

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031620\
 Data File : VD065509.D
 Acq On : 16 Mar 2020 12:49
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:09:52 PM

Quant Time: Mar 17 07:34:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	474785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	664670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	599863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	301567	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	187545	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
35) Dibromofluoromethane	7.92	113	207234	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.34	98	795334	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.64	95	259344	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	180307	44.188	ug/l	98
3) Chloromethane	2.21	50	224409	45.552	ug/l	99
4) Vinyl Chloride	2.36	62	235140	48.392	ug/l	98
5) Bromomethane	2.77	94	154001	57.256	ug/l	99
6) Chloroethane	2.93	64	148312	49.836	ug/l	97
7) Trichlorofluoromethane	3.27	101	353399	49.358	ug/l	99
8) Diethyl Ether	3.71	74	104143	48.912	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	231199	50.138	ug/l	99
10) Methyl Iodide	4.30	142	269111	56.174	ug/l	97
11) Tert butyl alcohol	5.24	59	59651	255.346	ug/l	99
12) 1,1-Dichloroethene	4.06	96	216458	49.022	ug/l	98
13) Acrolein	3.93	56	83227	206.577	ug/l	100
14) Allyl chloride	4.71	41	335190	49.416	ug/l	99
15) Acrylonitrile	5.43	53	226839	244.888	ug/l	99
16) Acetone	4.16	43	224409	272.452	ug/l	99
17) Carbon Disulfide	4.40	76	675905	45.965	ug/l	99
18) Methyl Acetate	4.72	43	99101	47.431	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	428881	50.508	ug/l	99
20) Methylene Chloride	4.96	84	240680	54.091	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	249751	50.846	ug/l	99
22) Diisopropyl ether	6.37	45	658601	52.231	ug/l	98
23) Vinyl Acetate	6.31	43	1841105	262.965	ug/l	99
24) 1,1-Dichloroethane	6.27	63	407497	50.384	ug/l	98
25) 2-Butanone	7.22	43	279299	248.483	ug/l	97
26) 2,2-Dichloropropane	7.21	77	364689	51.599	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	262716	52.327	ug/l	98
28) Bromochloromethane	7.55	49	167552	51.780	ug/l	99
29) Tetrahydrofuran	7.57	42	172927	240.910	ug/l	97
30) Chloroform	7.71	83	413709	51.177	ug/l	99
31) Cyclohexane	7.98	56	385266	47.639	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	382585	51.212	ug/l	99
36) 1,1-Dichloropropene	8.11	75	341443	53.591	ug/l	98
37) Ethyl Acetate	7.30	43	119287	48.440	ug/l	100
38) Carbon Tetrachloride	8.10	117	354187	53.609	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	409645	53.234	ug/l	96
40) Benzene	8.36	78	960314	53.908	ug/l	99
41) Methacrylonitrile	7.53	41	64769	49.732	ug/l	92
42) 1,2-Dichloroethane	8.43	62	248588	53.441	ug/l	100
43) Isopropyl Acetate	8.46	43	226175	49.741	ug/l	98
44) Trichloroethene	9.11	130	270178	53.706	ug/l	99
45) 1,2-Dichloropropane	9.39	63	232394	53.856	ug/l	96
46) Dibromomethane	9.48	93	118729	53.045	ug/l	99
47) Bromodichloromethane	9.67	83	311134	53.432	ug/l	97
48) Methyl methacrylate	9.46	41	109030	50.975	ug/l	97
49) 1,4-Dioxane	9.47	88	27102	1058.570	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	613068	267.930	ug/l	99
52) Toluene	10.41	92	616129	54.903	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	295790	54.357	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	365452	55.483	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	166000	52.364	ug/l	98
56) Ethyl methacrylate	10.67	69	194973	54.556	ug/l	98
57) 1,3-Dichloropropane	10.95	76	287705	53.638	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	264994	237.353	ug/l	98
59) 2-Hexanone	10.99	43	428671	270.632	ug/l	100
60) Dibromochloromethane	11.14	129	222370	54.722	ug/l	99
61) 1,2-Dibromoethane	11.25	107	160656	53.130	ug/l	99
64) Tetrachloroethene	10.88	164	237751	55.312	ug/l	98
65) Chlorobenzene	11.67	112	641772	54.064	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	236278	54.652	ug/l	99
67) Ethyl Benzene	11.75	91	1152409	56.185	ug/l	99
68) m/p-Xylenes	11.86	106	891653	112.742	ug/l	99
69) o-Xylene	12.18	106	398098	57.224	ug/l	100
70) Styrene	12.20	104	702901	57.409	ug/l	100
71) Bromoform	12.37	173	131095	53.984	ug/l	# 100
73) Isopropylbenzene	12.48	105	1106893	55.804	ug/l	100
74) N-amyl acetate	12.30	43	204741	50.419	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	174977	50.185	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	119662m	50.286	ug/l	
77) Bromobenzene	12.77	156	266285	54.034	ug/l	97
78) n-propylbenzene	12.83	91	1312276	55.759	ug/l	99
79) 2-Chlorotoluene	12.91	91	715064	53.910	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	907617	55.658	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	57387	50.892	ug/l	98
82) 4-Chlorotoluene	13.01	91	751070	53.886	ug/l	98
83) tert-Butylbenzene	13.23	119	767885	55.660	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	895083	55.685	ug/l	100
85) sec-Butylbenzene	13.41	105	1099453	55.831	ug/l	100
86) p-Isopropyltoluene	13.53	119	1009321	56.169	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	510286	53.858	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	492718	52.279	ug/l	99
89) n-Butylbenzene	13.86	91	930864	56.034	ug/l	99
90) Hexachloroethane	14.12	117	194397	52.532	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	431990	53.578	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26432	49.778	ug/l	100

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Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	295663	54.104	ug/l	100
94) Hexachlorobutadiene	15.28	225	194826	54.258	ug/l	99
95) Naphthalene	15.41	128	475973	48.968	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	255353	54.074	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

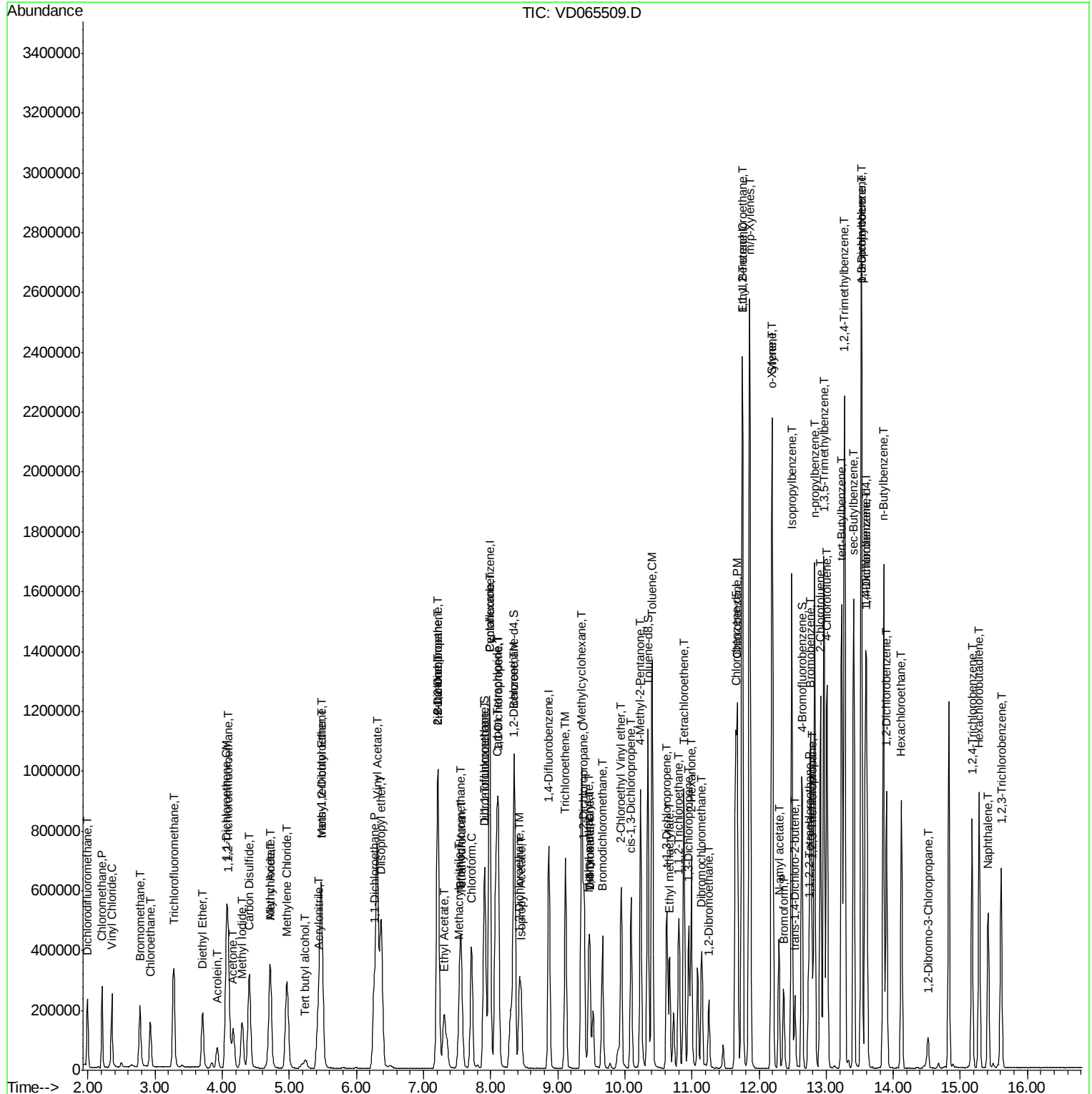
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 Acq On : 16 Mar 2020 12:49
 Operator : VA/SY
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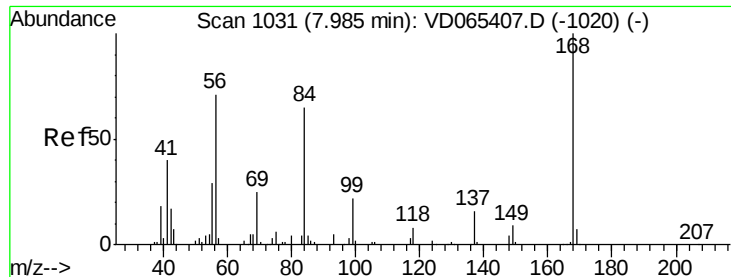
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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MMDadoda
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Quant Time: Mar 17 07:34:52 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 474785

Ion Ratio Lower Upper

168 100

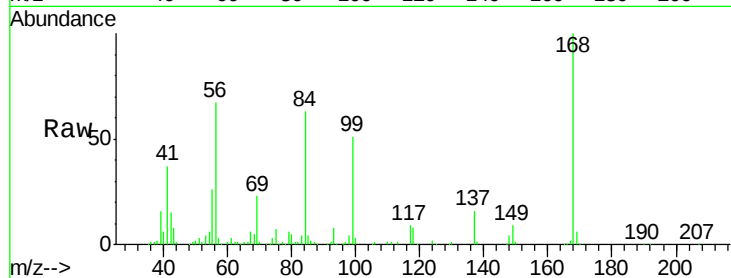
99 51.0 41.5 62.3

Manual Integrations

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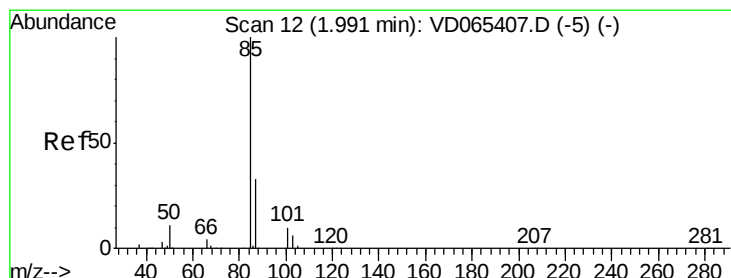
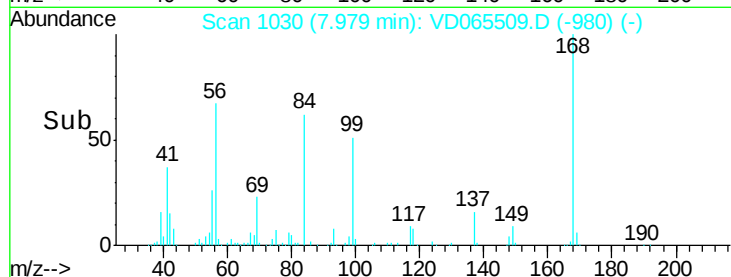
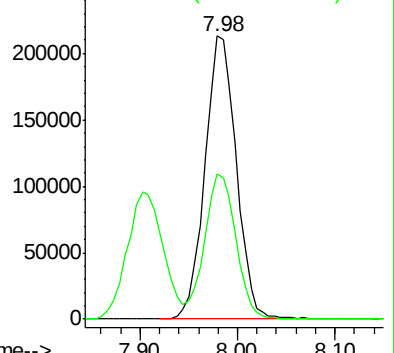
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3/17/2020 12:09:52 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.188 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065509.D

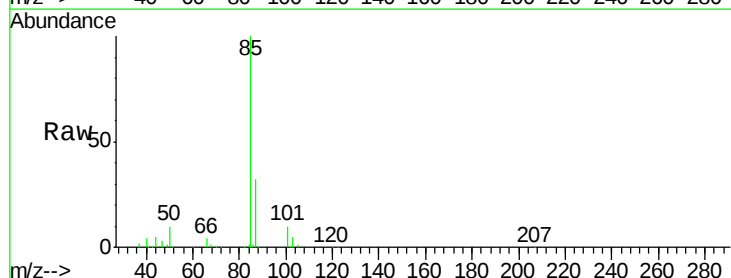
Acq: 16 Mar 2020 12:49

Tgt Ion: 85 Resp: 180307

Ion Ratio Lower Upper

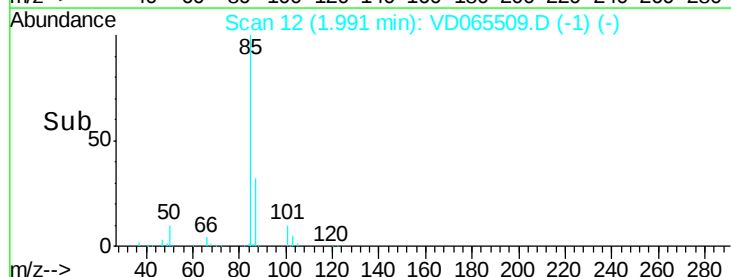
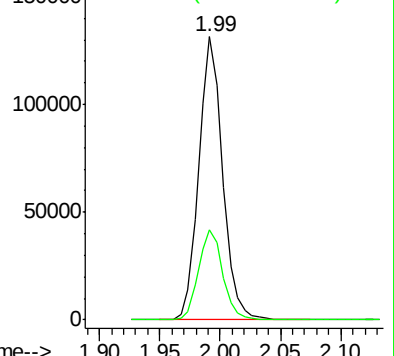
85 100

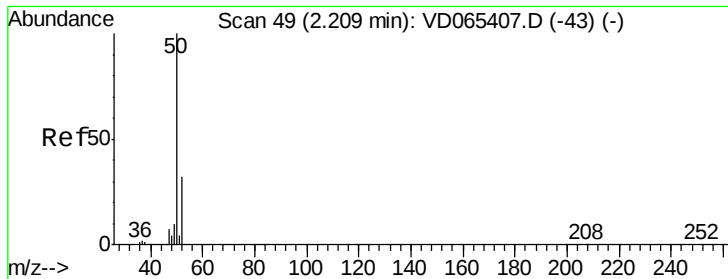
87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.552 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 224409

Ion Ratio Lower Upper

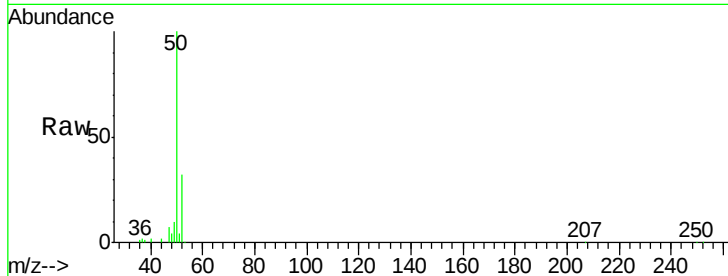
50 100

52 32.0 25.8 38.8

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

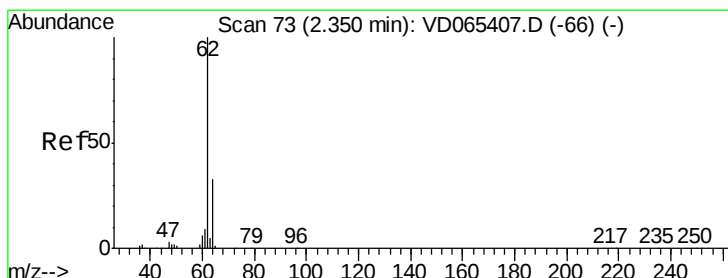
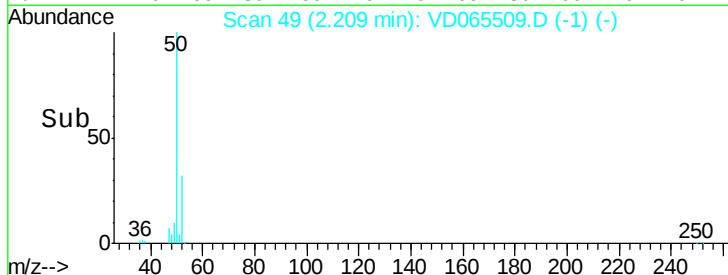
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.392 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065509.D

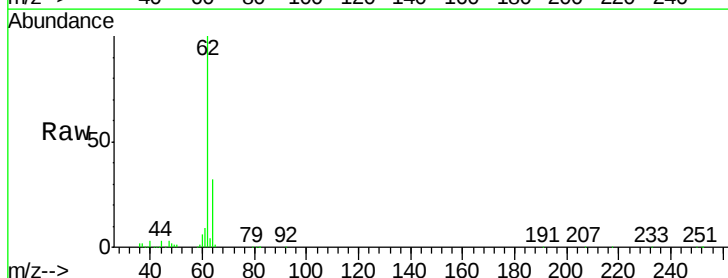
Acq: 16 Mar 2020 12:49

Tgt Ion: 62 Resp: 235140

Ion Ratio Lower Upper

62 100

64 31.9 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

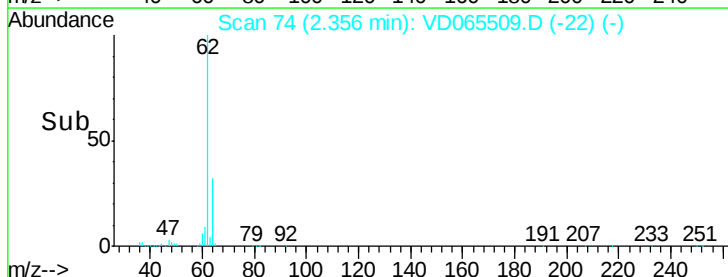
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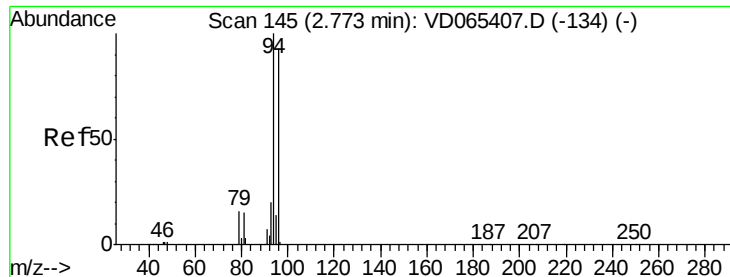
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50000

0

Time-->





#5

Bromomethane

Concen: 57.256 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 154001

Ion Ratio Lower Upper

94 100

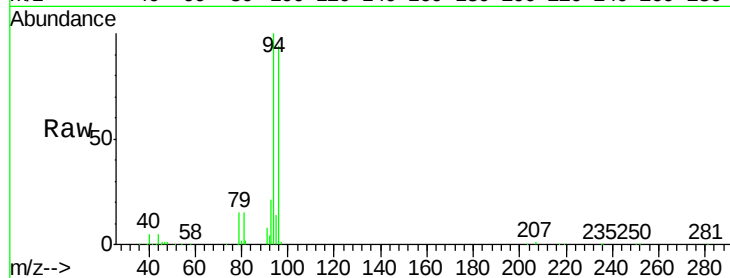
96 94.0 74.4 111.6

Manual Integrations

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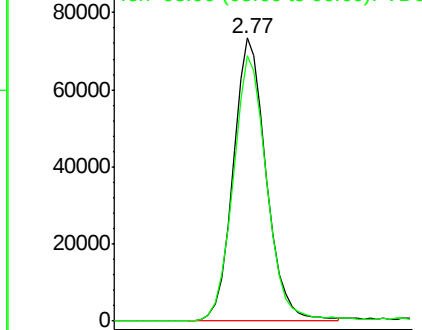
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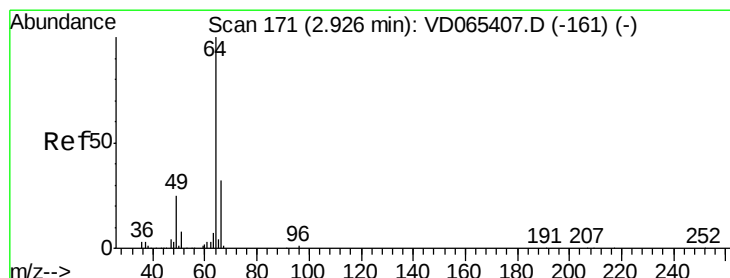
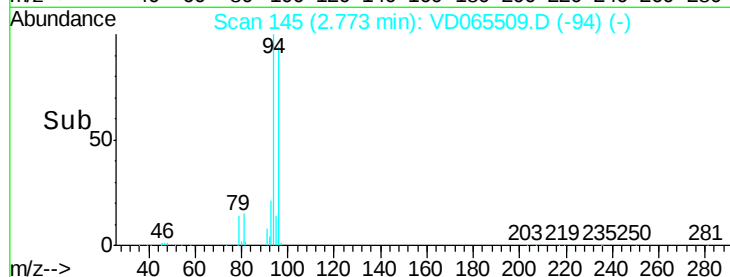


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 49.836 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065509.D

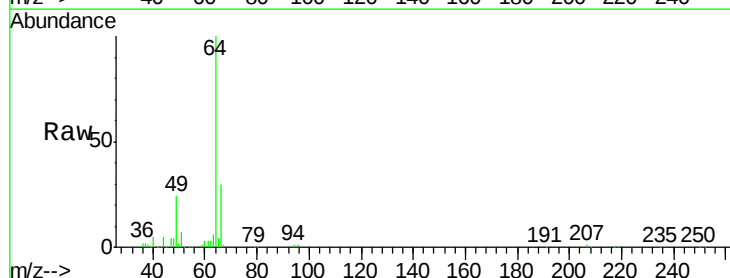
Acq: 16 Mar 2020 12:49

Tgt Ion: 64 Resp: 148312

Ion Ratio Lower Upper

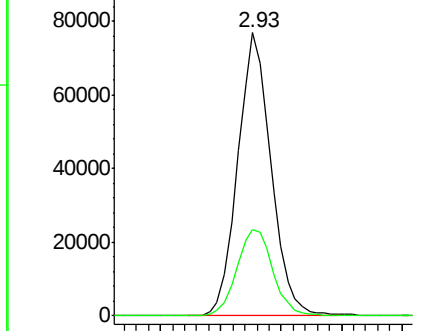
64 100

66 30.3 25.6 38.4

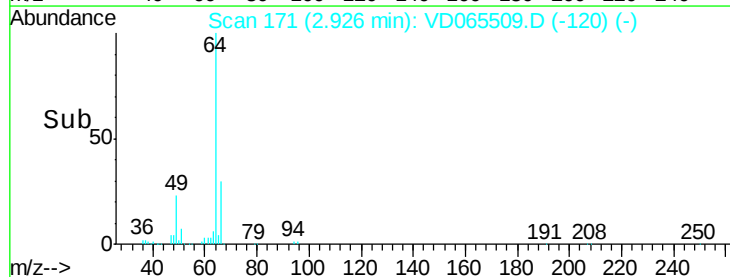


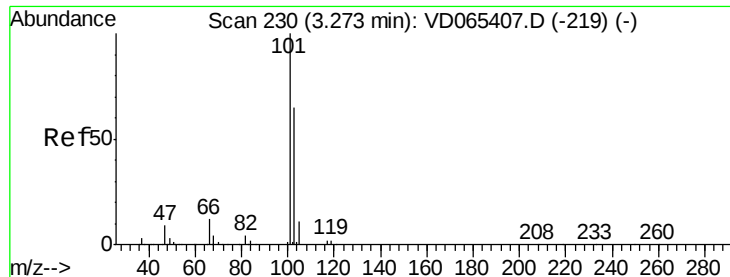
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

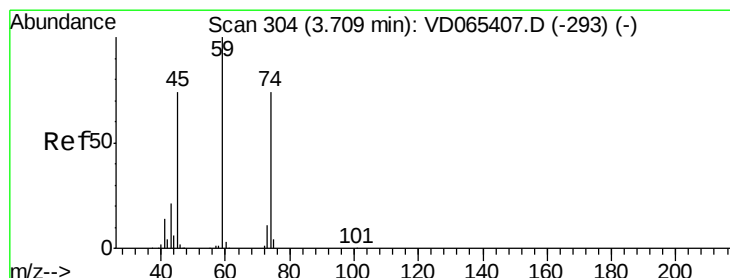
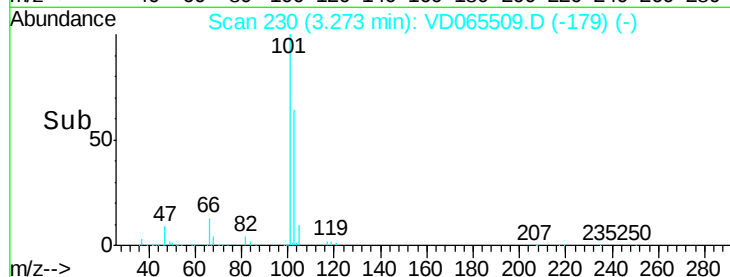
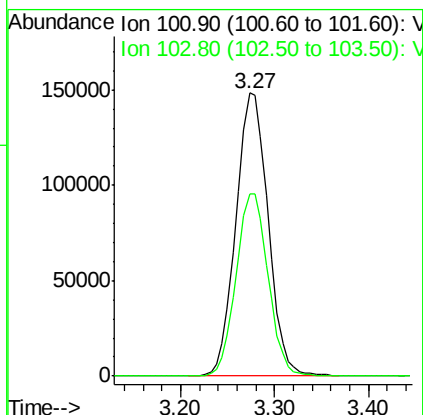
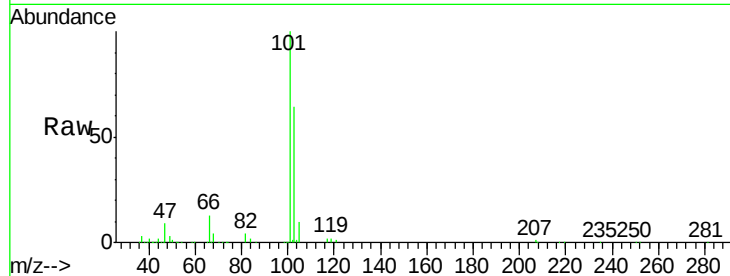
Trichlorofluoromethane
Concen: 49.358 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.1	78.1

Manual Integrations
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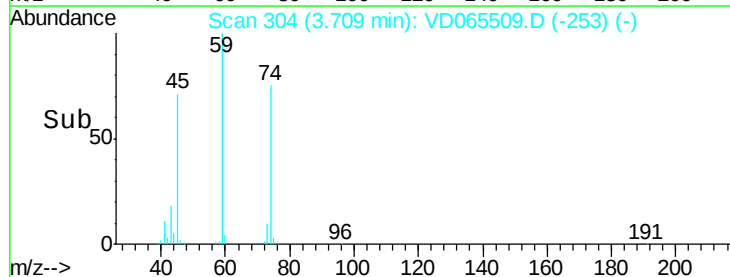
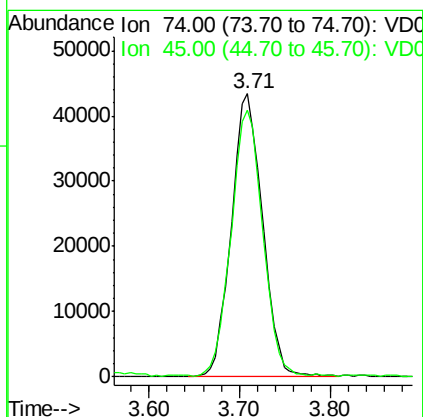
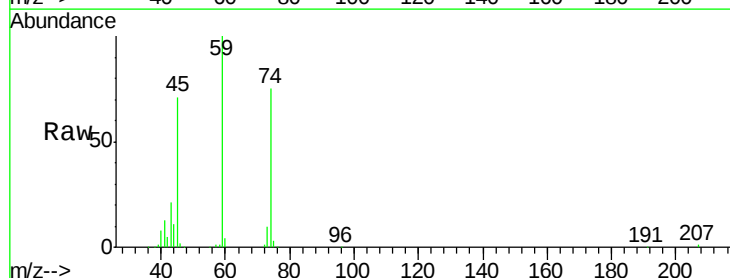
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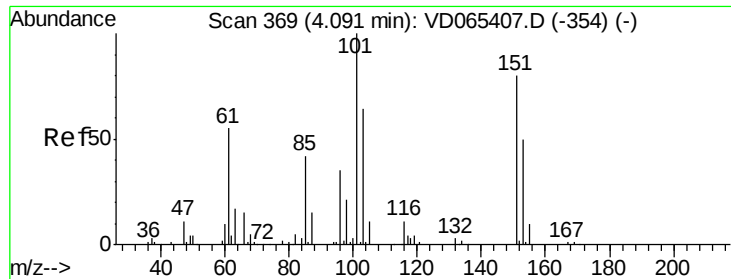


#8

Diethyl Ether
Concen: 48.912 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.138 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

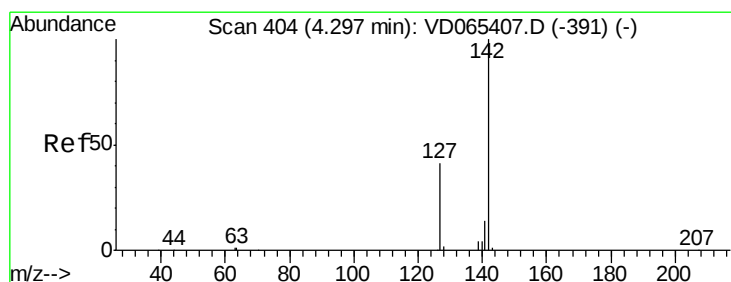
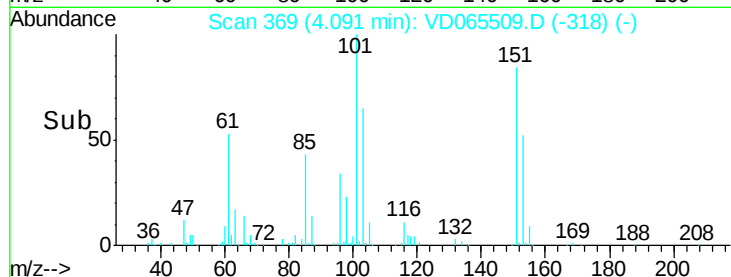
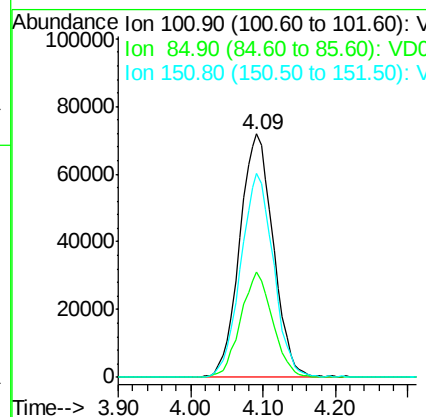
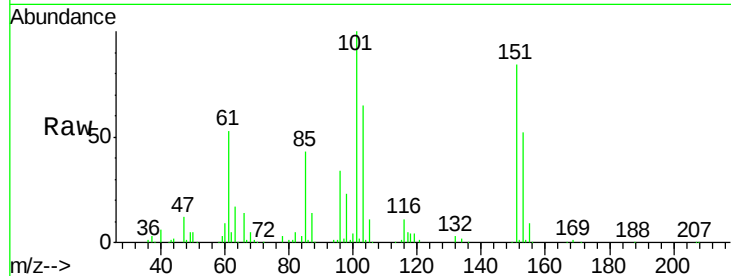
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	231199
Ion Ratio	Lower	Upper	
101	100		
85	41.0	34.2	51.2
151	81.7	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 56.174 ug/l

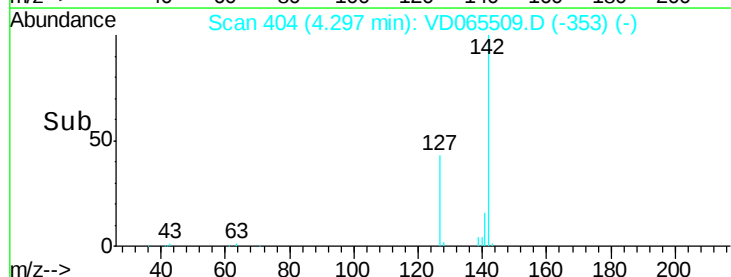
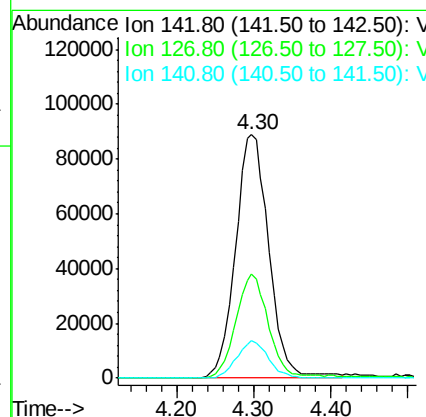
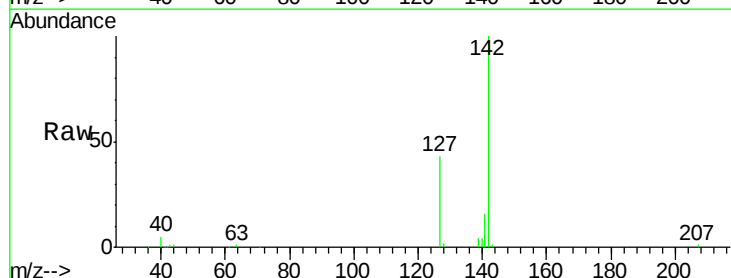
RT: 4.30 min Scan# 404

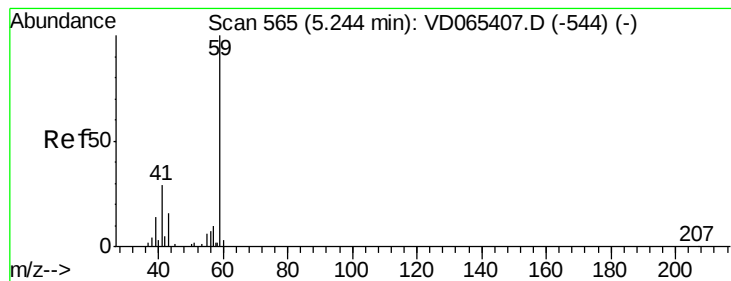
Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Tgt Ion:	142	Resp:	269111
Ion Ratio	Lower	Upper	
142	100		
127	41.6	35.0	52.6
141	14.6	12.4	18.6





#11

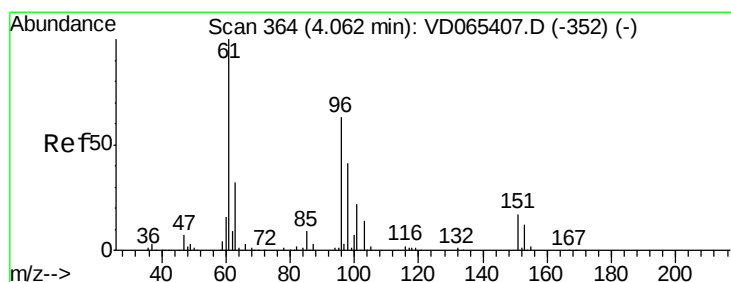
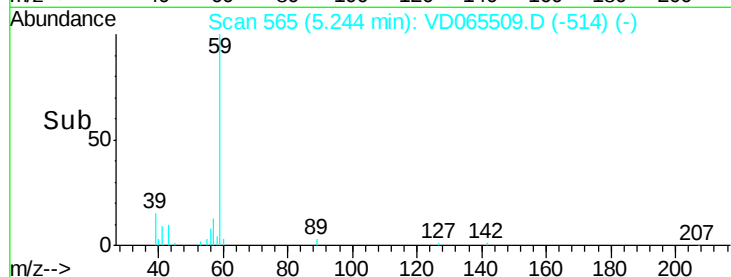
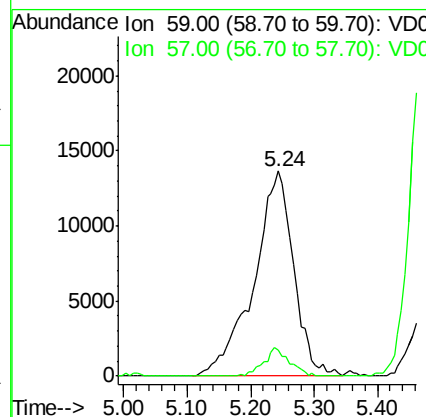
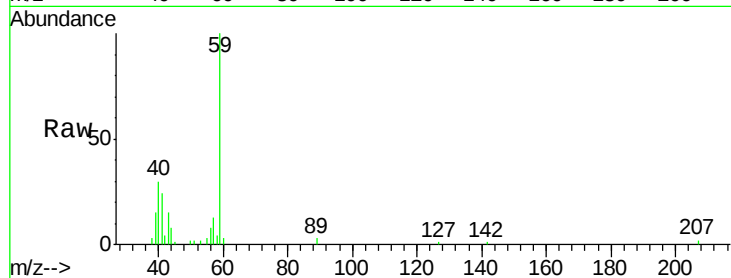
Tert butyl alcohol
Concen: 255.346 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	6.9	10.3

Manual Integrations
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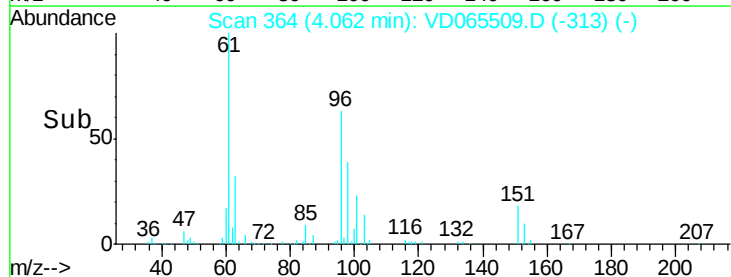
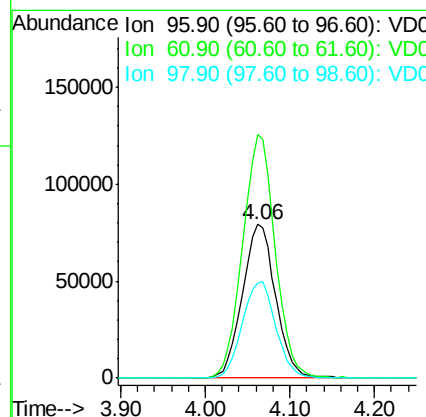
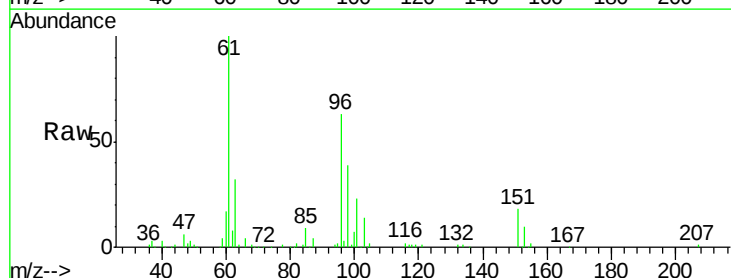
MMDadoda
3/17/2020 12:09:52 PM

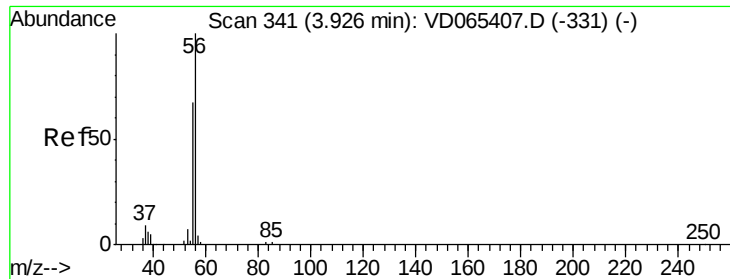


#12

1,1-Dichloroethene
Concen: 49.022 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	128.0	192.0
98	62.2	51.9	77.9





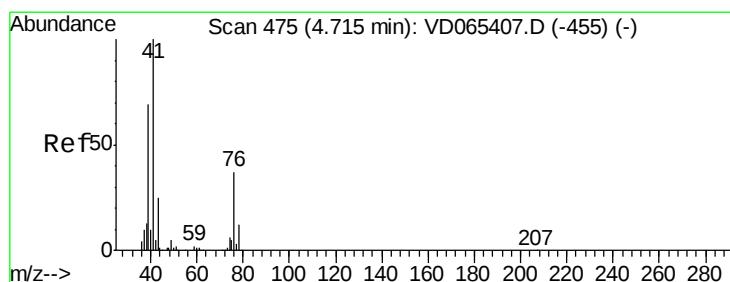
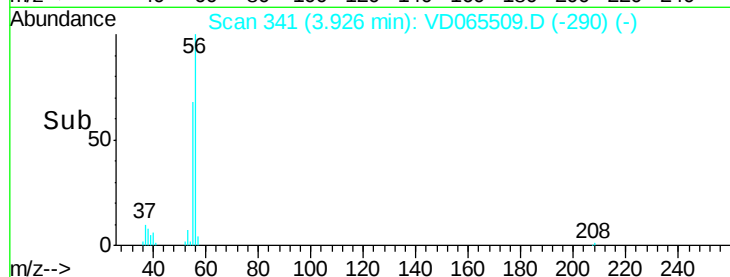
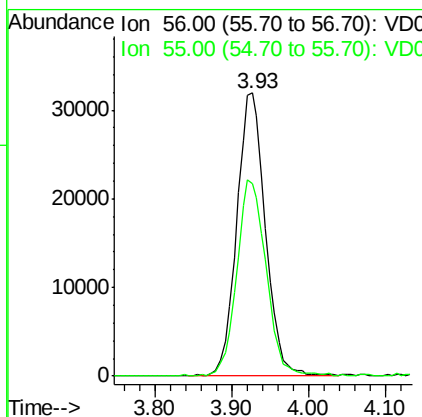
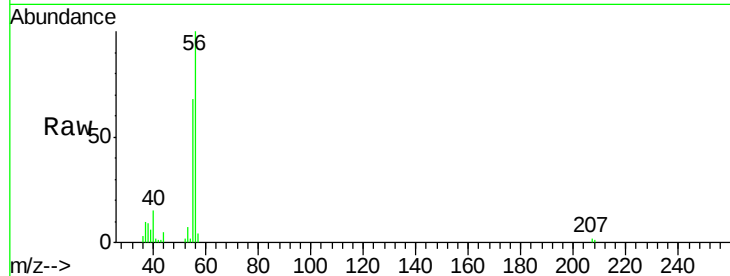
#13
Acrolein
Concen: 206.577 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.6	85.0

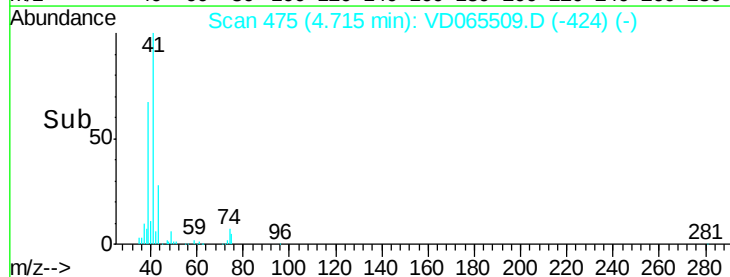
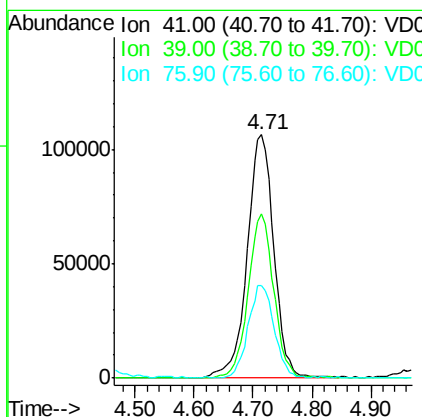
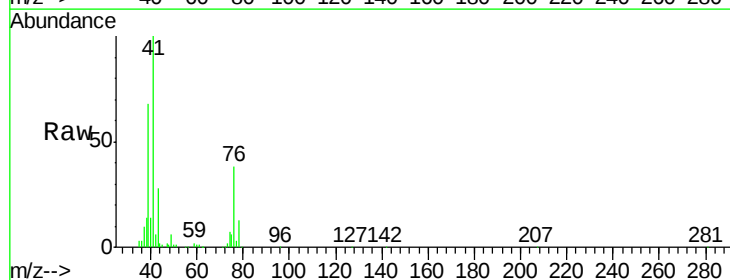
Manual Integrations
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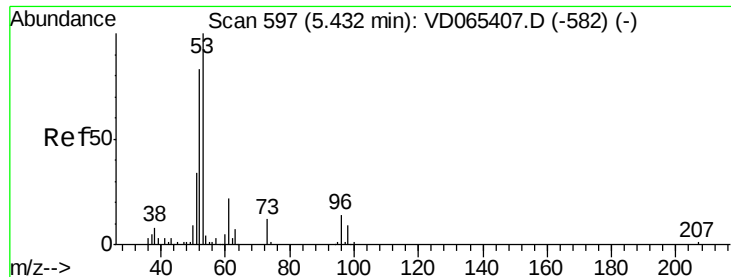
MMDadoda
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#14
Allyl chloride
Concen: 49.416 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.6	52.6	79.0
76	36.7	29.2	43.8





#15

Acrylonitrile

Concen: 244.888 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

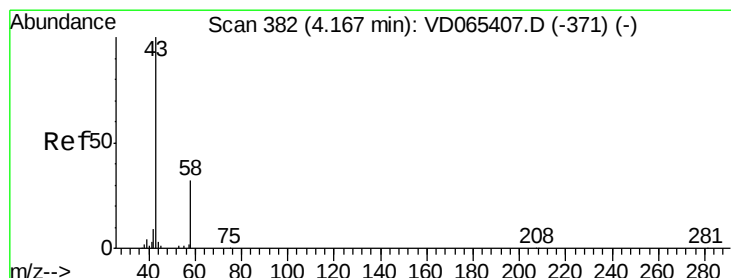
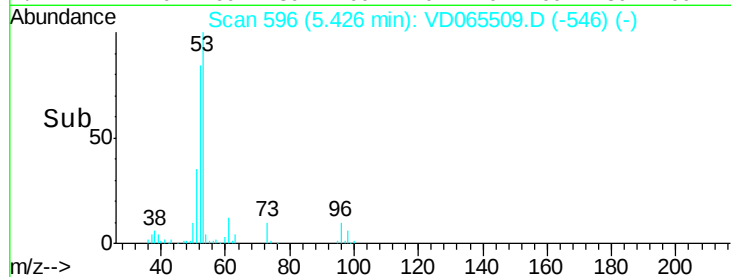
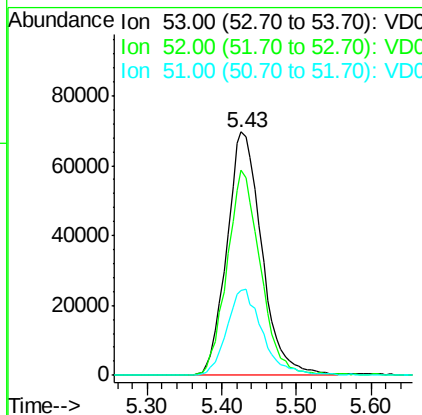
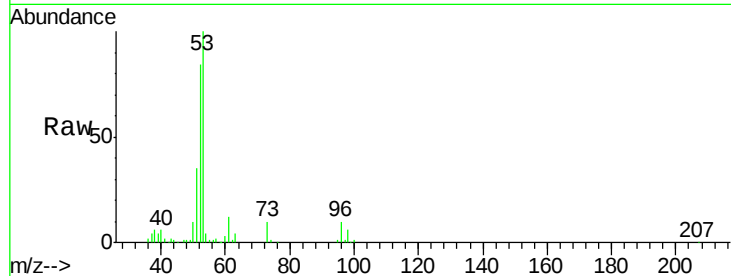
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	226839
Ion Ratio	Lower	Upper	
53	100		
52	80.3	65.1	97.7
51	36.3	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 272.452 ug/l

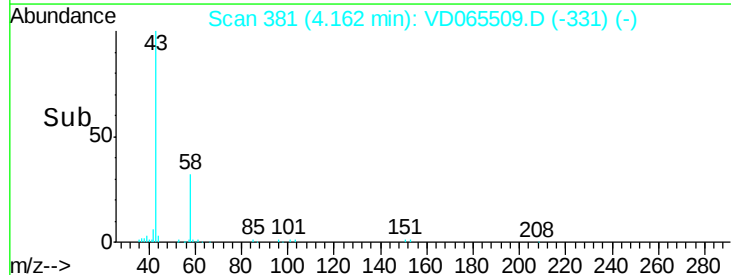
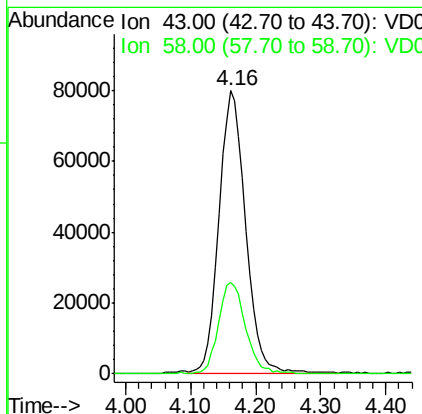
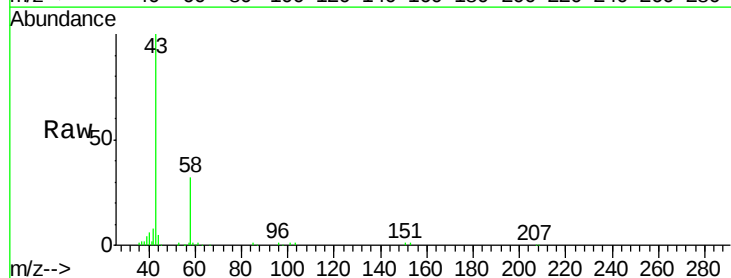
RT: 4.16 min Scan# 381

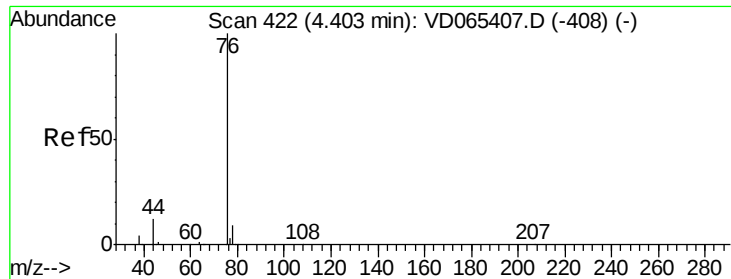
Delta R.T. -0.01 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Tgt Ion:	43	Resp:	224409
Ion Ratio	Lower	Upper	
43	100		
58	32.0	25.1	37.7





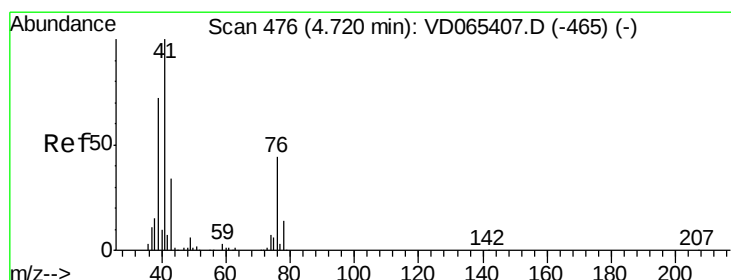
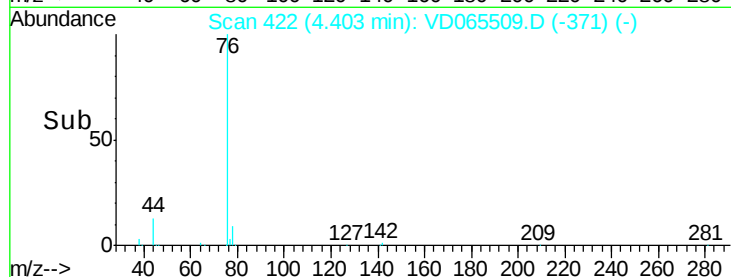
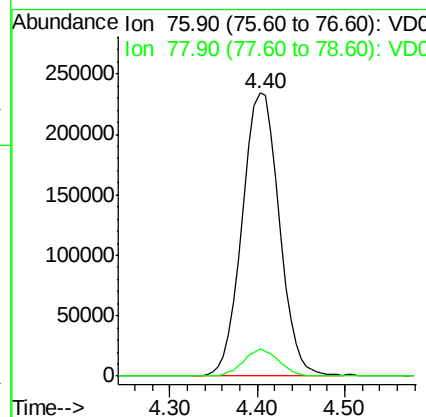
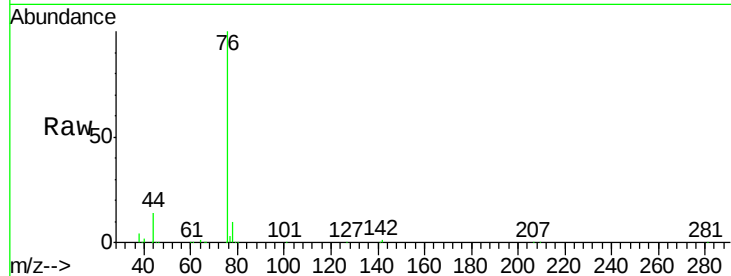
#17
Carbon Disulfide
Concen: 45.965 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 675905
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0

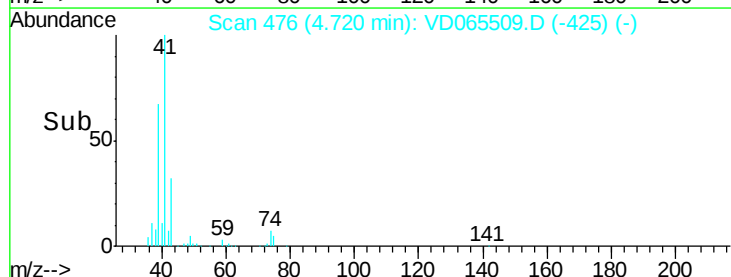
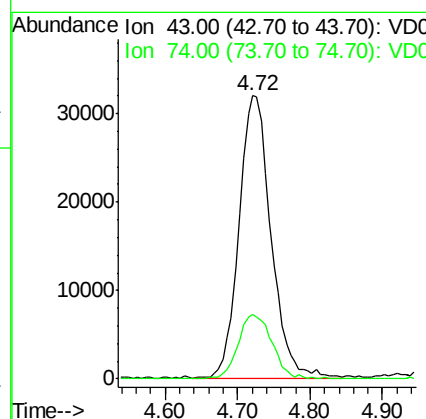
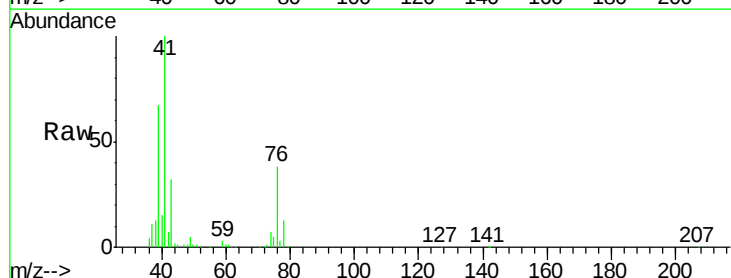
Manual Integrations
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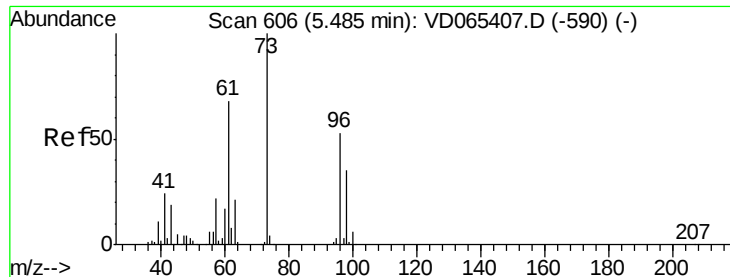
MMDadoda
3/17/2020 12:09:52 PM



#18
Methyl Acetate
Concen: 47.431 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion: 43 Resp: 99101
Ion Ratio Lower Upper
43 100
74 23.7 19.6 29.4





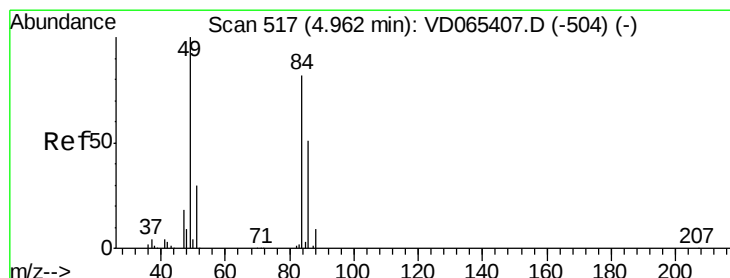
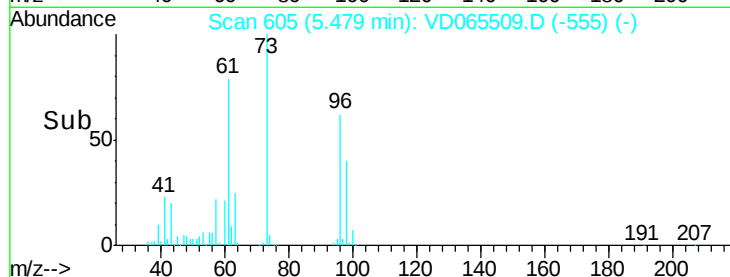
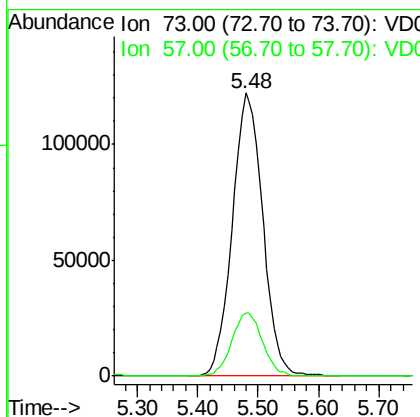
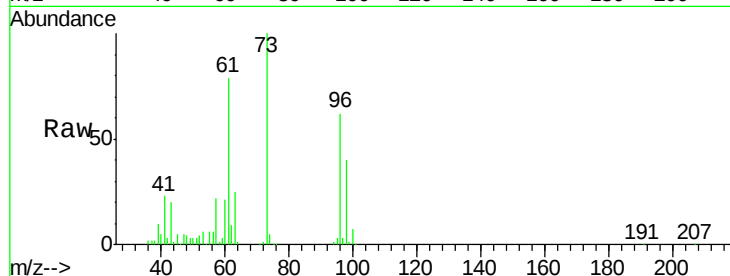
#19
Methvl tert-butvl Ether
Concen: 50.508 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 428881
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9

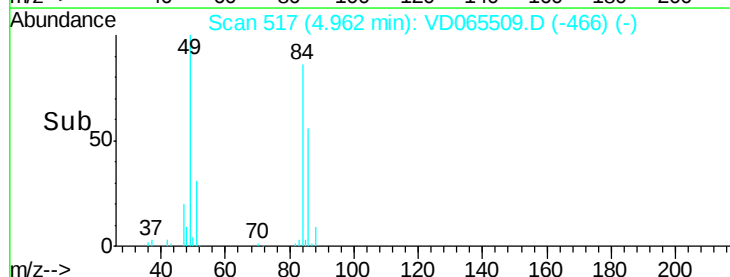
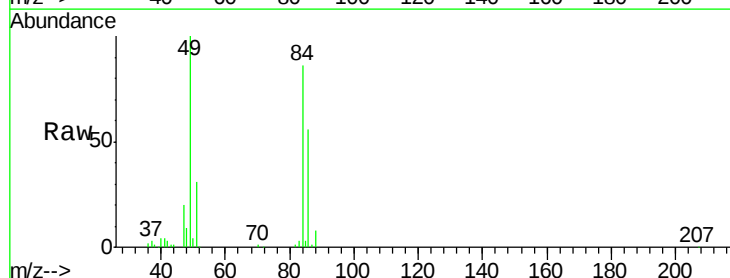
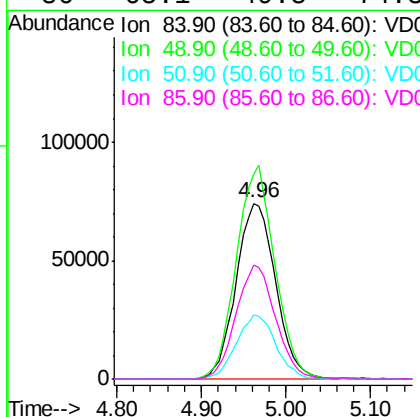
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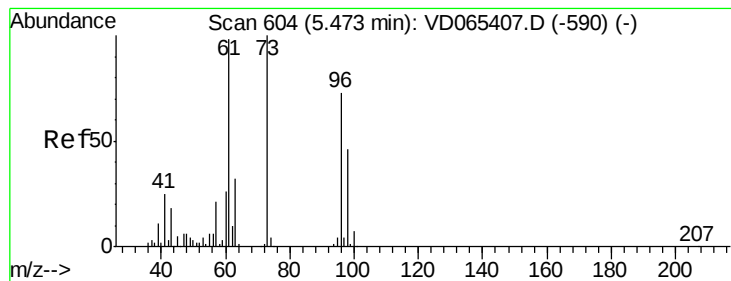
MMDadoda
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#20
Methylene Chloride
Concen: 54.091 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion: 84 Resp: 240680
Ion Ratio Lower Upper
84 100
49 116.7 97.7 146.5
51 36.3 28.8 43.2
86 65.1 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 50.846 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

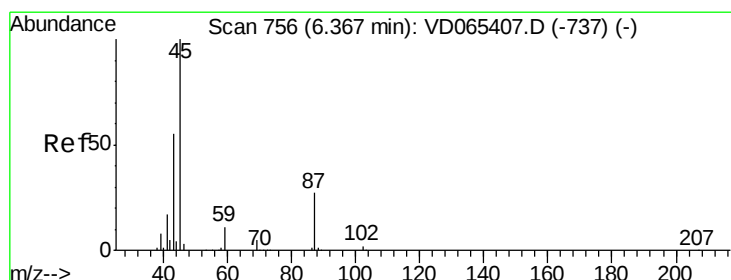
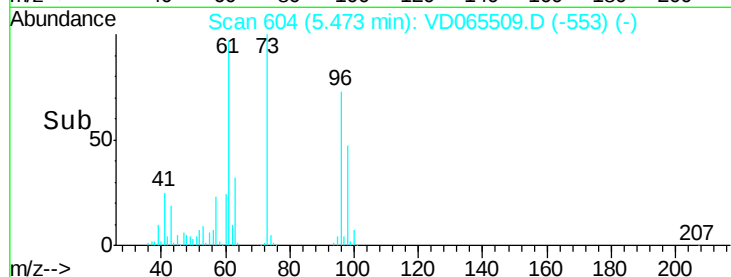
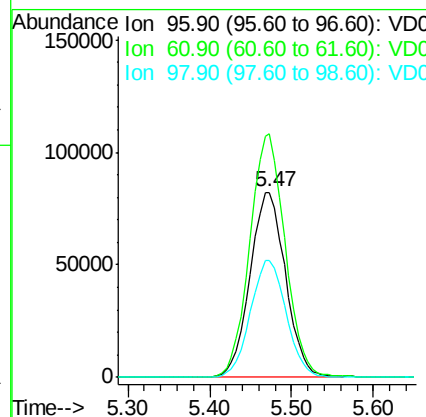
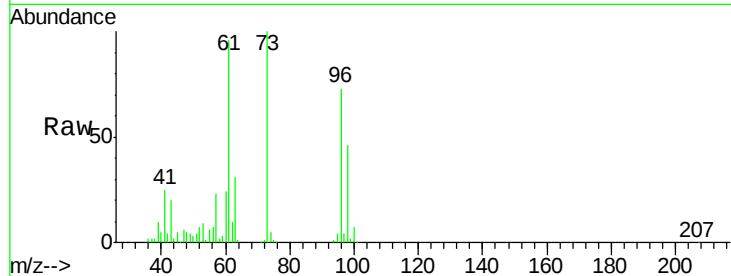
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	249751
Ion	Ratio	Lower	Upper
96	100		
61	131.7	106.3	159.5
98	63.4	50.2	75.4

Manual Integrations
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3/17/2020 12:09:52 PM



#22

Diisopropyl ether

Concen: 52.231 ug/l

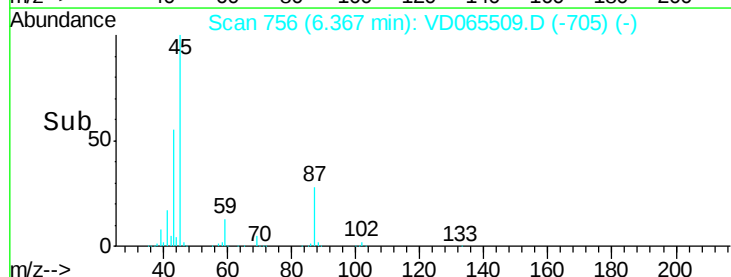
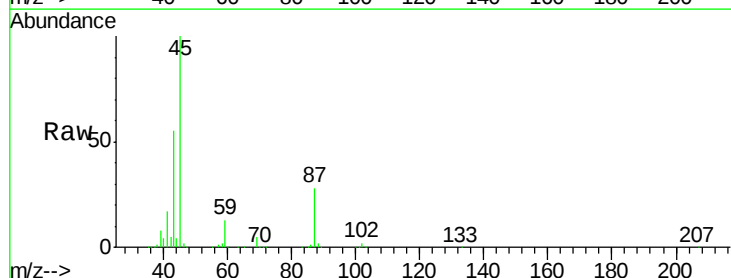
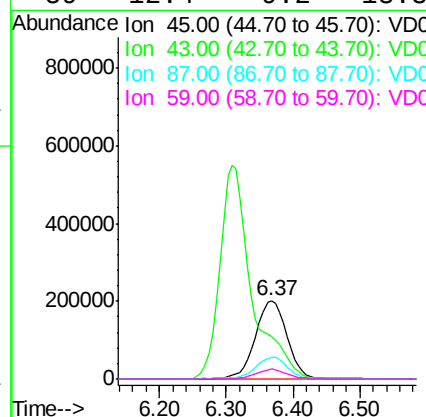
RT: 6.37 min Scan# 756

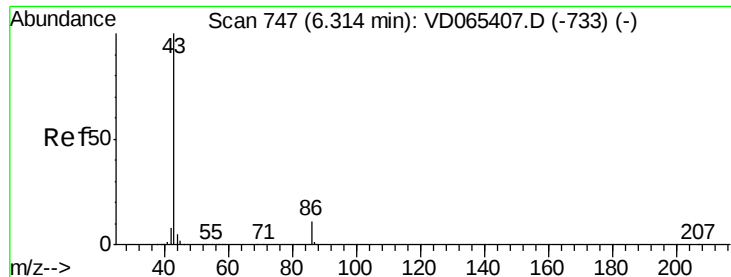
Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Tgt Ion:	45	Resp:	658601
Ion	Ratio	Lower	Upper
45	100		
43	53.7	44.4	66.6
87	27.8	21.9	32.9
59	12.4	9.2	13.8





#23

Vinyl Acetate

Concen: 262.965 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1841105

Ion Ratio Lower Upper

43 100

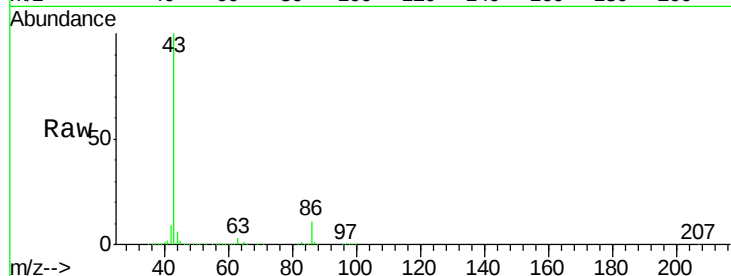
86 11.4 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

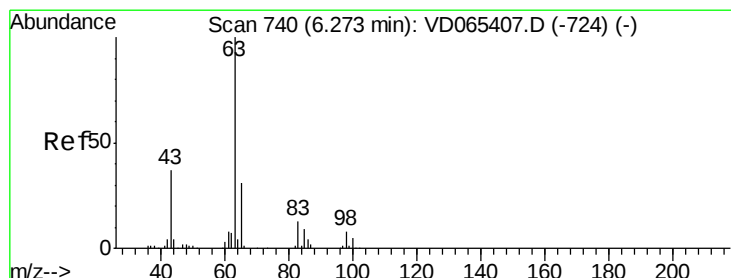
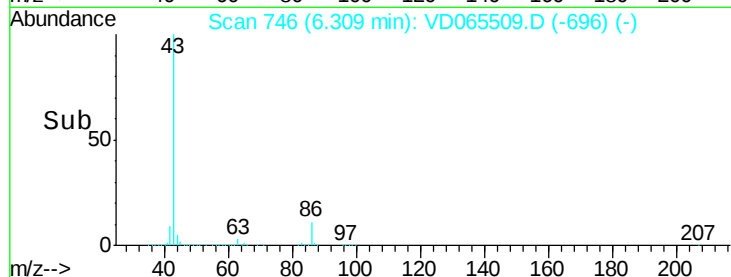
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.384 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

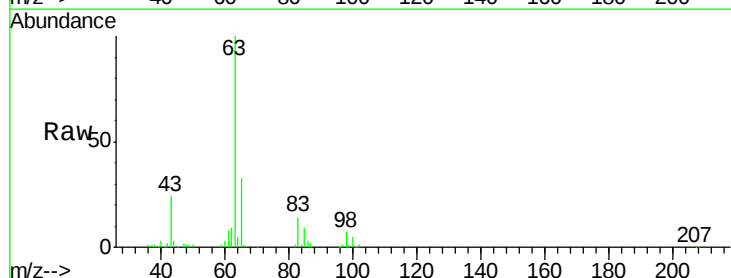
Tgt Ion: 63 Resp: 407497

Ion Ratio Lower Upper

63 100

98 7.3 4.2 12.6

100 5.3 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

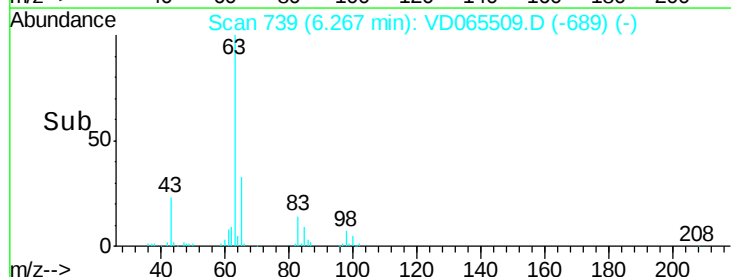
150000

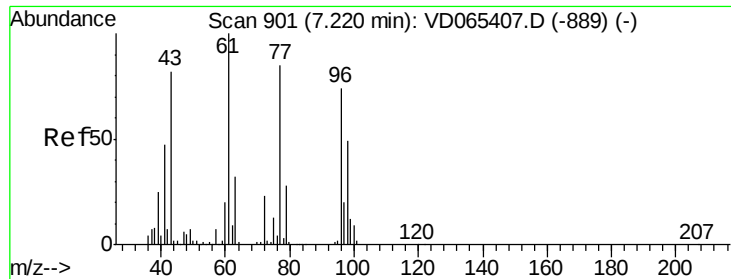
100000

50000

0

Time-->





#25

2-Butanone

Concen: 248.483 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 279299

Ion Ratio Lower Upper

43 100

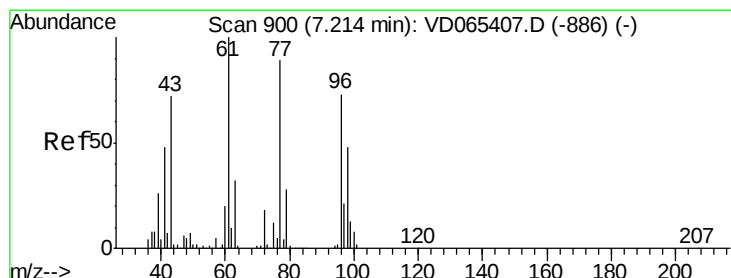
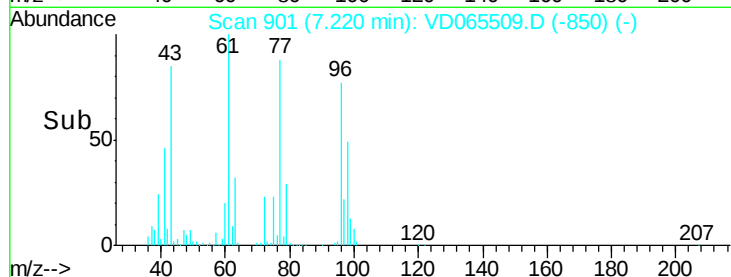
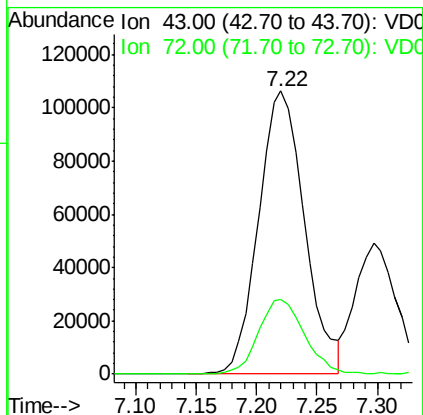
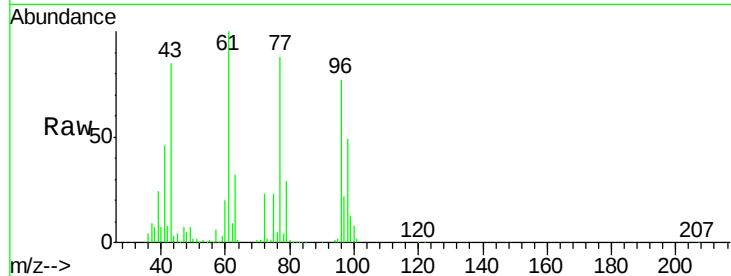
72 26.4 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.599 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065509.D

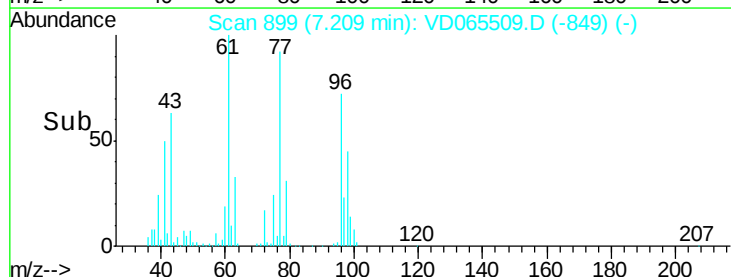
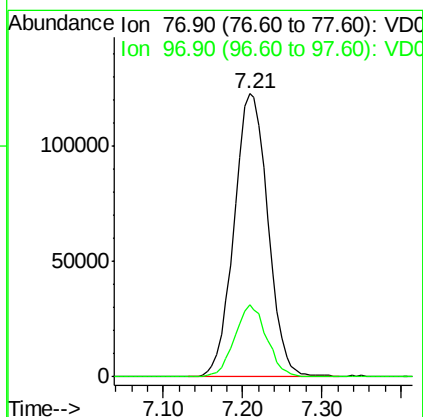
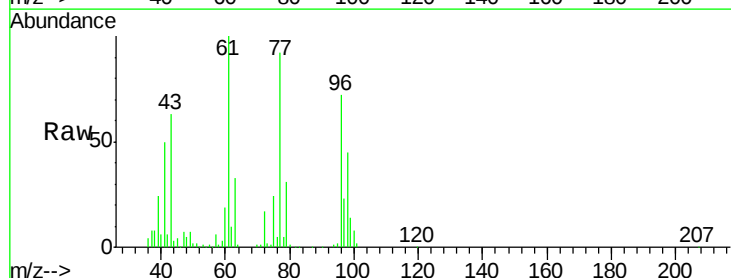
Acq: 16 Mar 2020 12:49

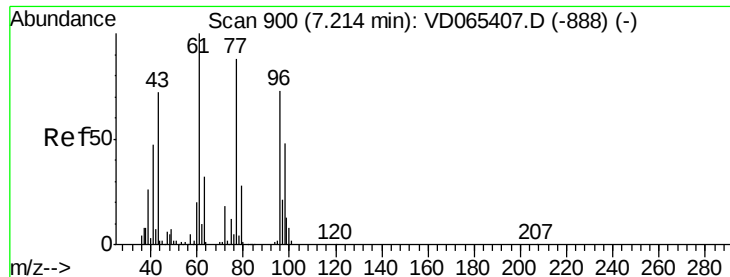
Tgt Ion: 77 Resp: 364689

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.4





#27

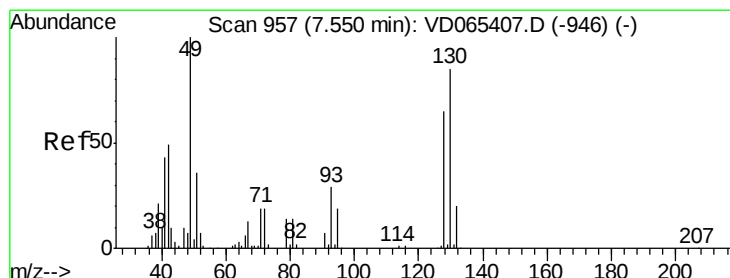
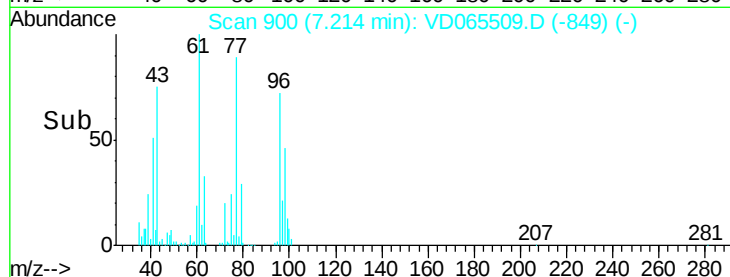
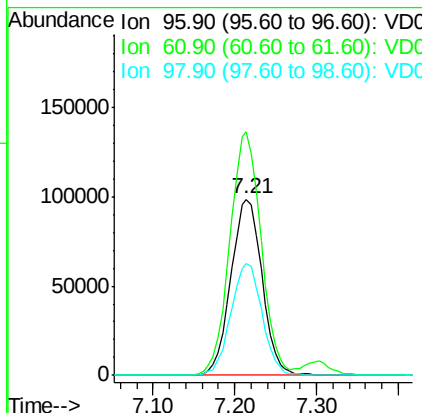
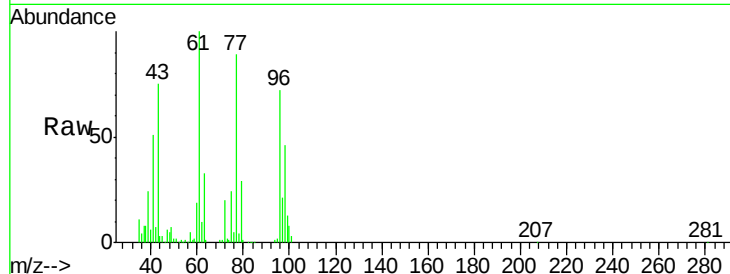
cis-1,2-Dichloroethene
Concen: 52.327 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	262716		
61	138.1	0.0	280.4	
98	63.6	0.0	132.6	

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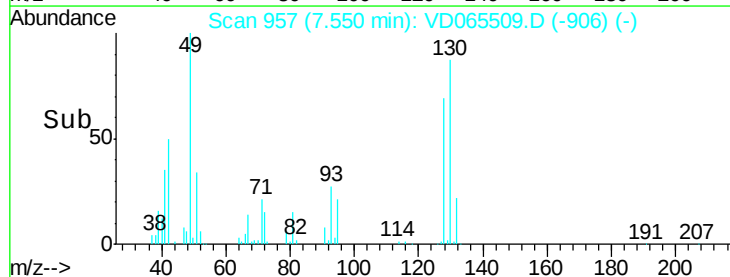
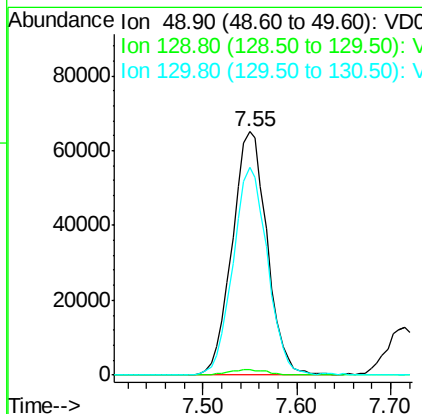
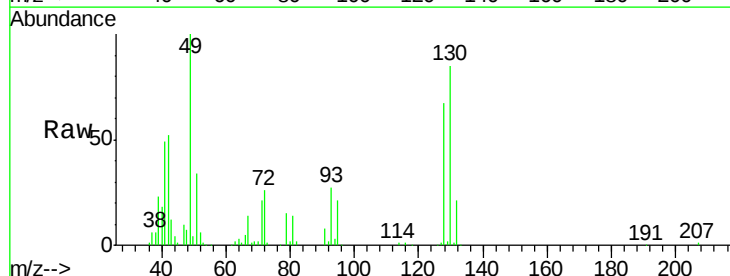
MMDadoda
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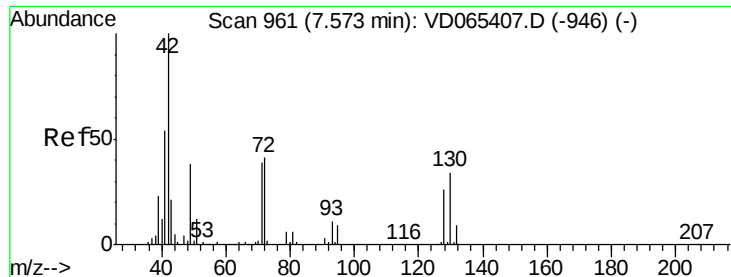


#28

Bromochloromethane
Concen: 51.780 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167552		
129	2.4	0.0	4.6	
130	84.4	66.6	100.0	





#29

Tetrahydrofuran

Concen: 240.910 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

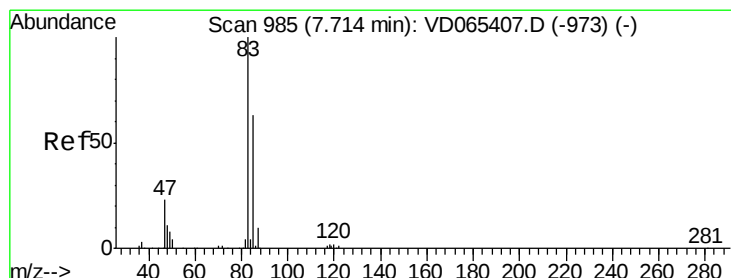
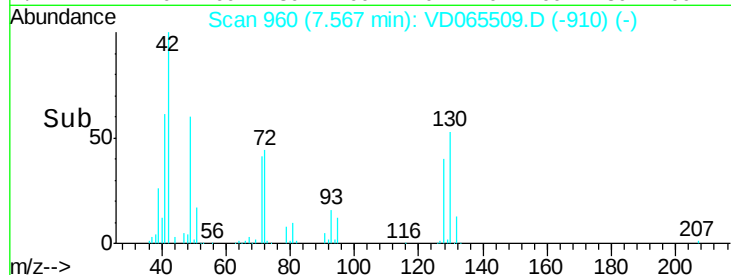
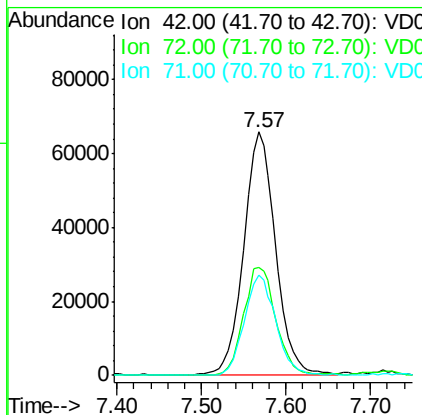
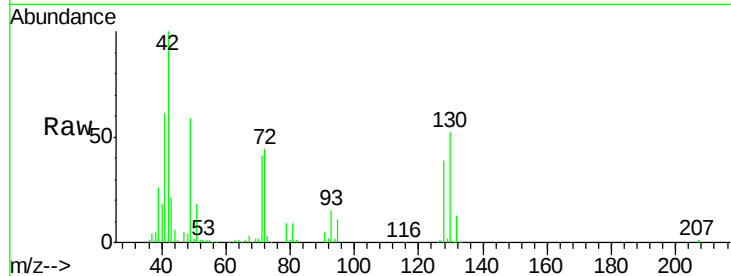
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	172927
Ion Ratio		Lower	Upper
42	100		
72	45.1	33.0	49.6
71	40.4	32.0	48.0

Manual Integrations
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#30

Chloroform

Concen: 51.177 ug/l

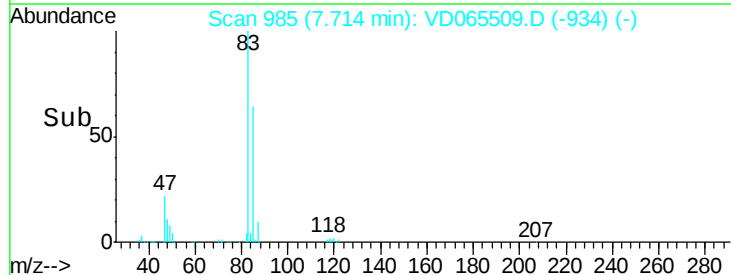
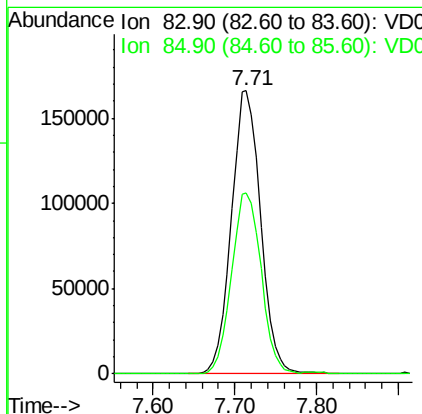
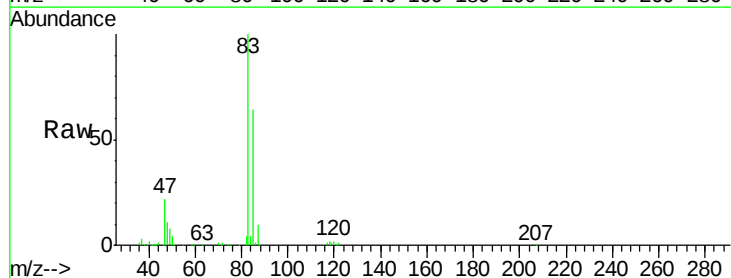
RT: 7.71 min Scan# 985

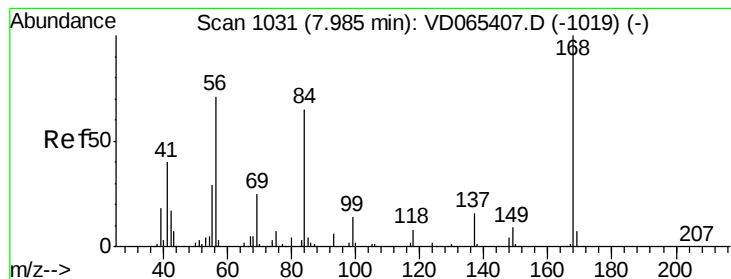
Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Tgt Ion:	83	Resp:	413709
Ion Ratio		Lower	Upper
83	100		
85	63.8	50.3	75.5





#31

Cyclohexane

Concen: 47.639 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

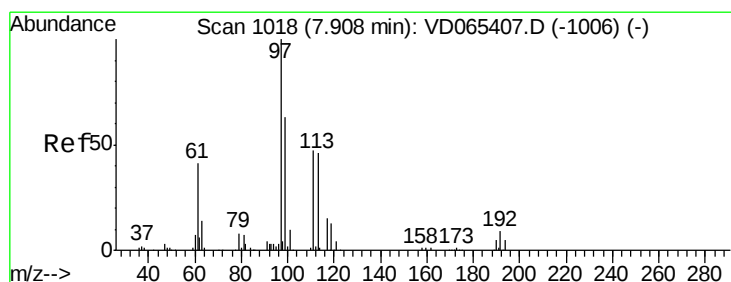
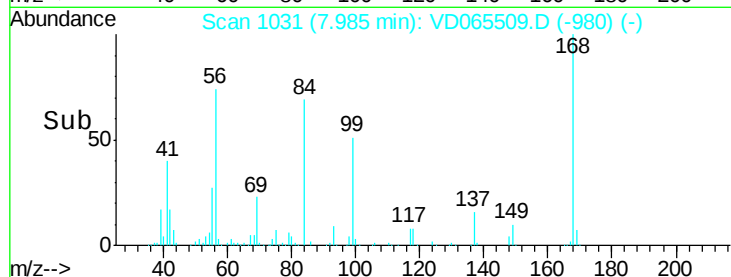
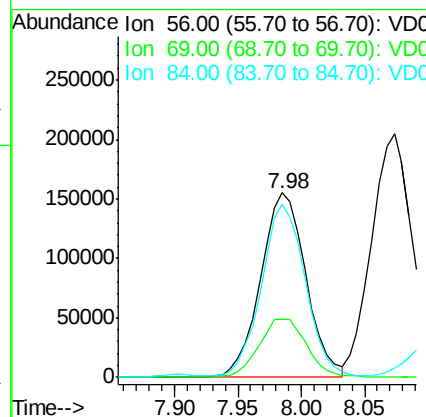
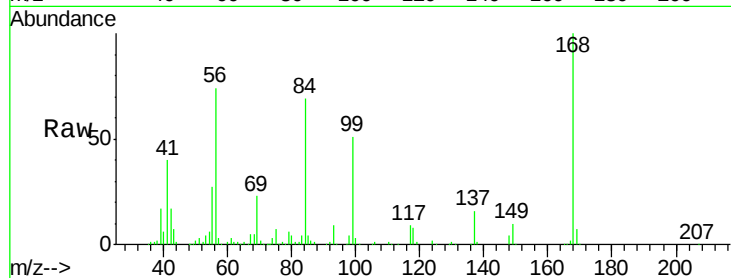
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	385266
Ion Ratio	Lower	Upper	
56	100		
69	31.6	28.3	42.5
84	92.9	73.1	109.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.212 ug/l

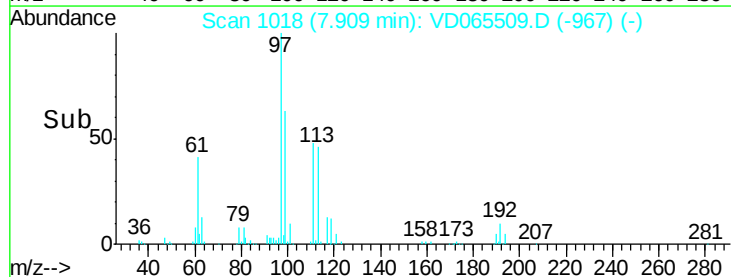
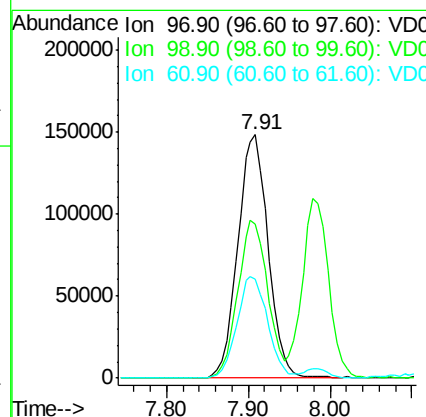
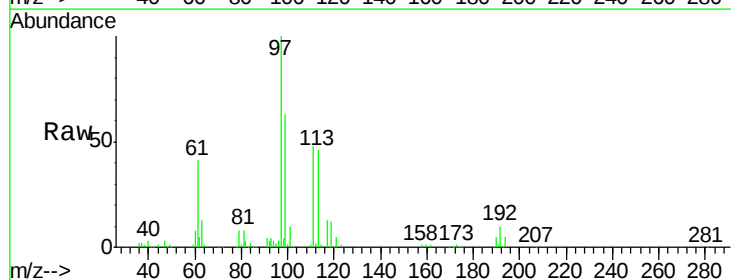
RT: 7.91 min Scan# 1018

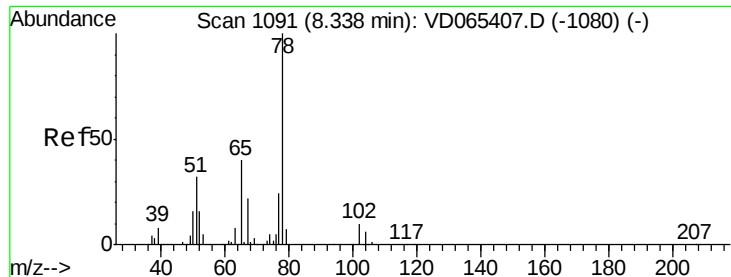
Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Tgt Ion:	97	Resp:	382585
Ion Ratio	Lower	Upper	
97	100		
99	63.8	50.9	76.3
61	42.2	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 46.049 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 187545

Ion Ratio Lower Upper

65 100

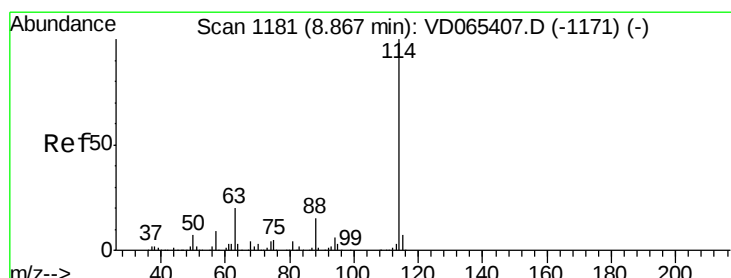
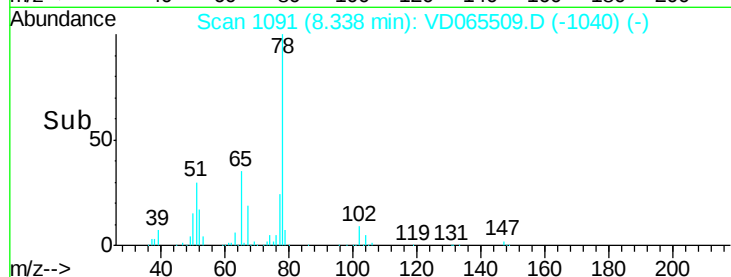
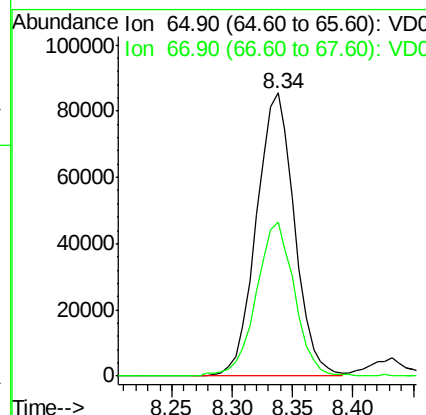
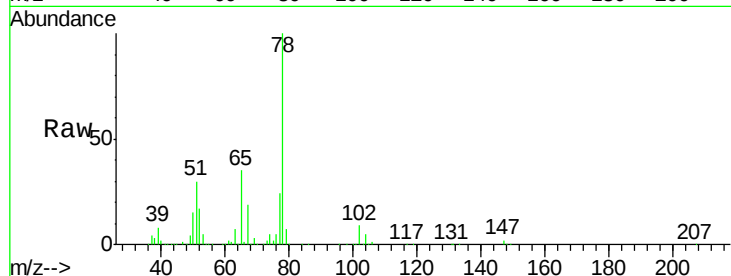
67 55.1 0.0 108.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

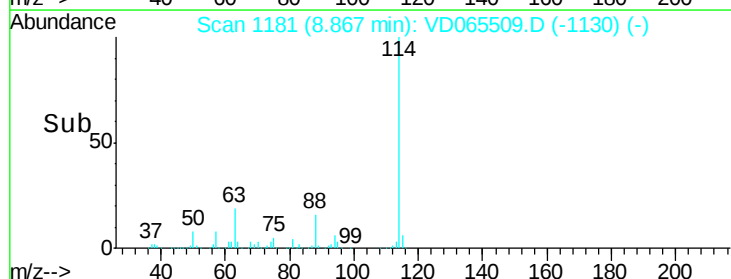
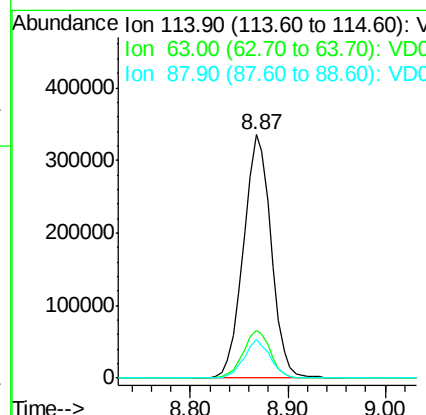
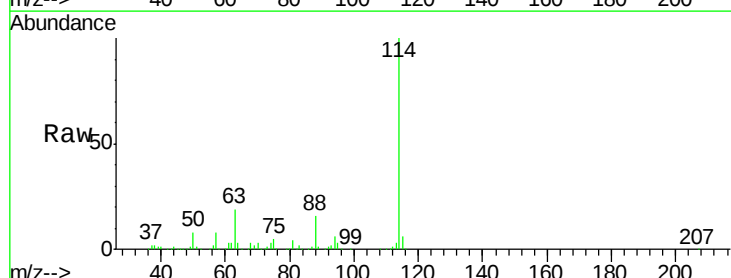
Tgt Ion: 114 Resp: 664670

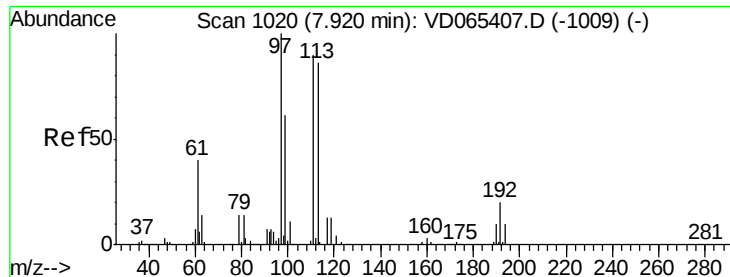
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.7 0.0 30.4





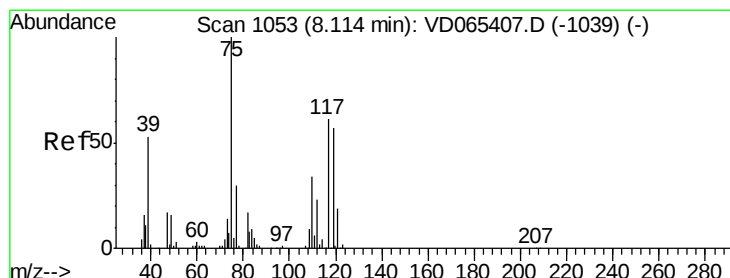
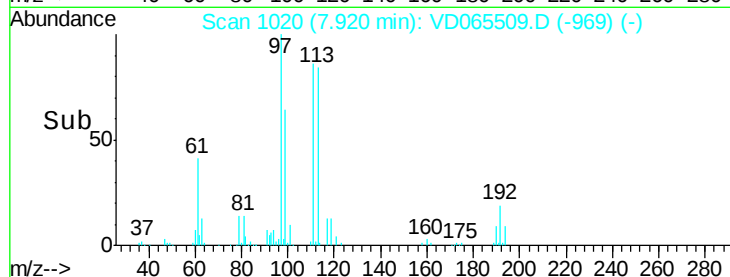
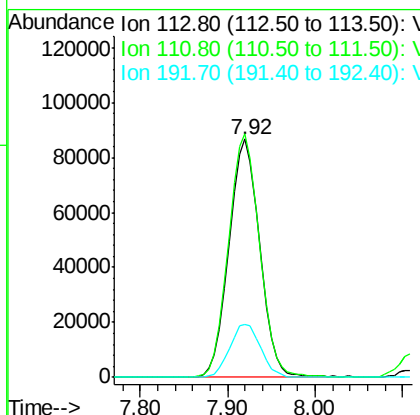
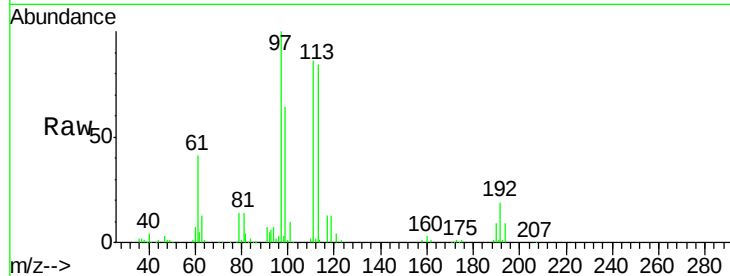
#35
 Dibromofluoromethane
 Concen: 50.417 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065509.D
 Acq: 16 Mar 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.1	123.1
192	22.3	17.2	25.8

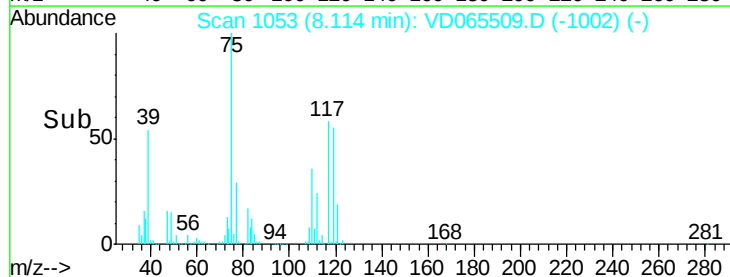
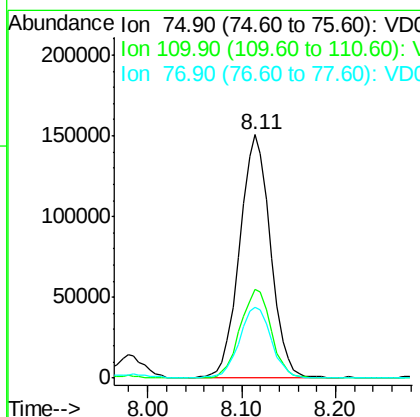
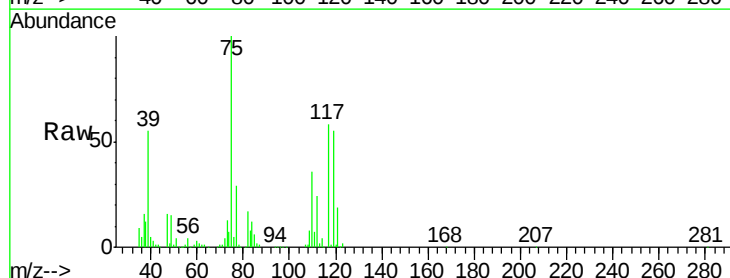
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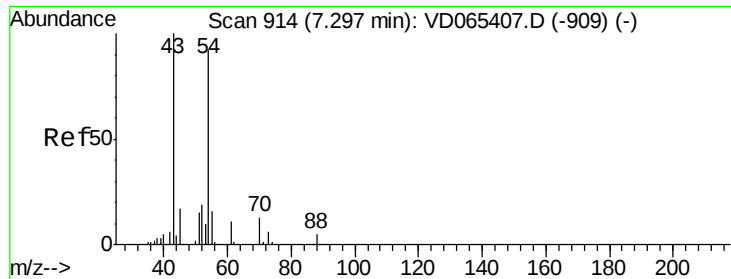
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#36
 1,1-Dichloropropene
 Concen: 53.591 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065509.D
 Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.1	54.1
77	30.4	25.2	37.8





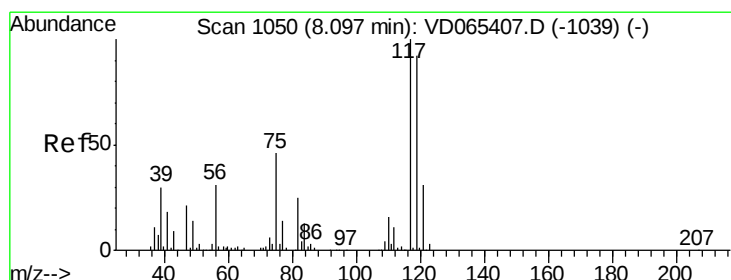
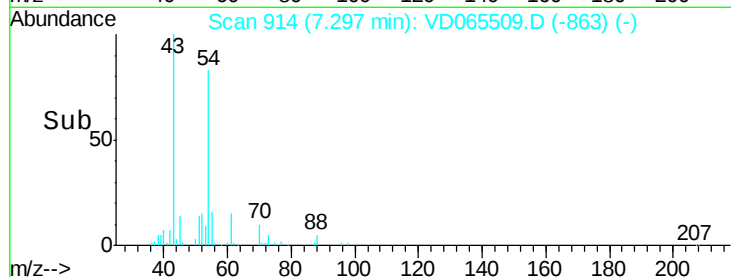
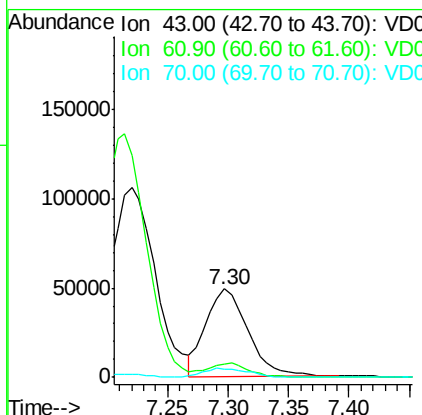
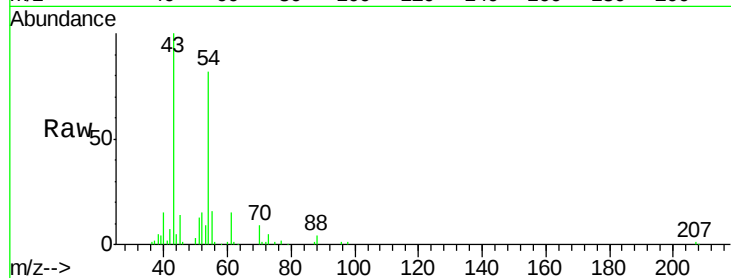
#37
Ethyl Acetate
Concen: 48.440 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.4	17.0
70	11.0	9.0	13.4

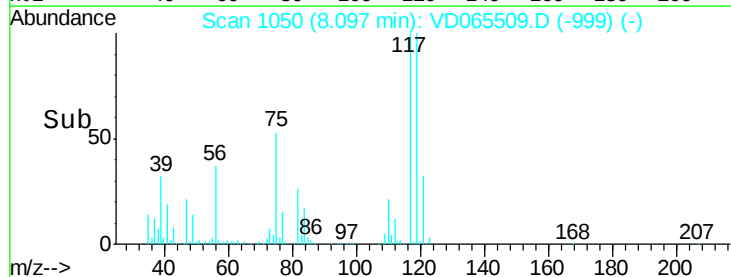
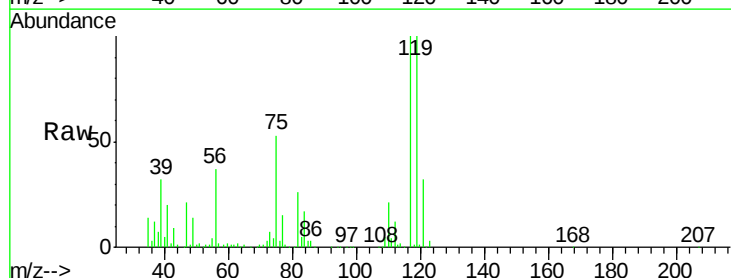
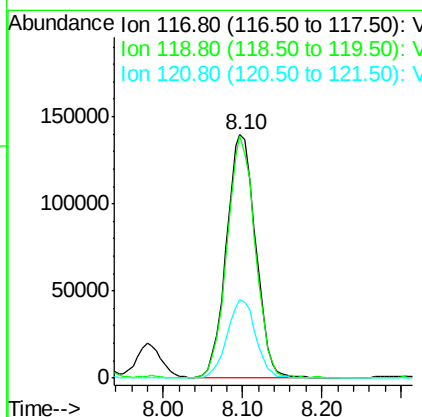
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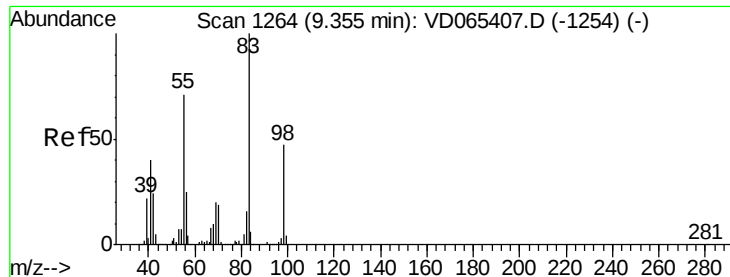
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.609 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	73.3	109.9
121	32.4	25.0	37.4





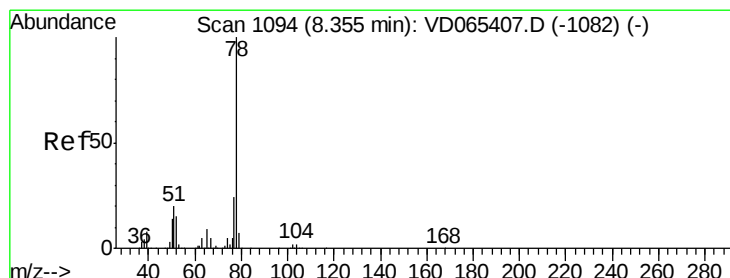
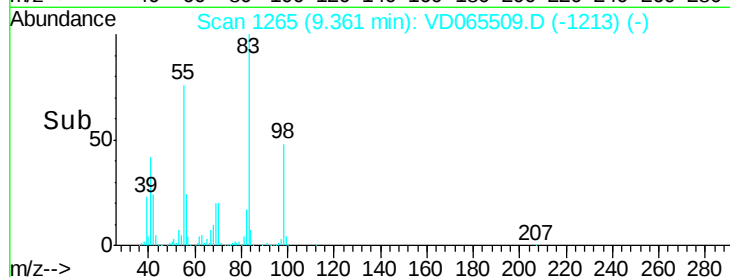
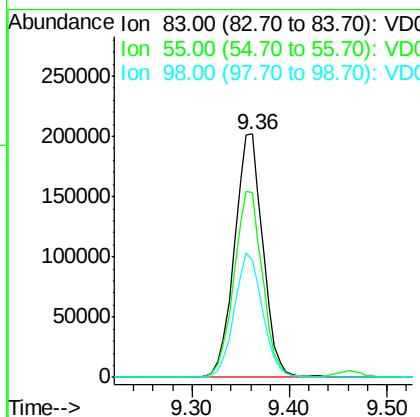
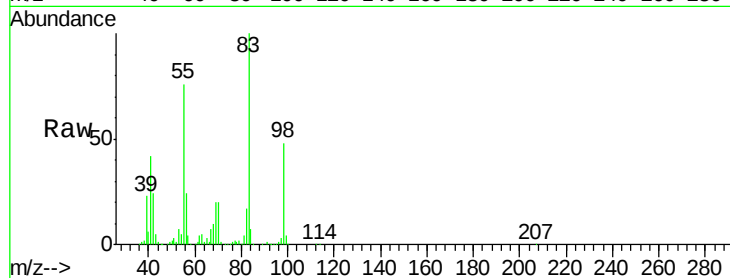
#39
Methvlcvclohexane
Concen: 53.234 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	57.1	85.7
98	48.2	37.8	56.8

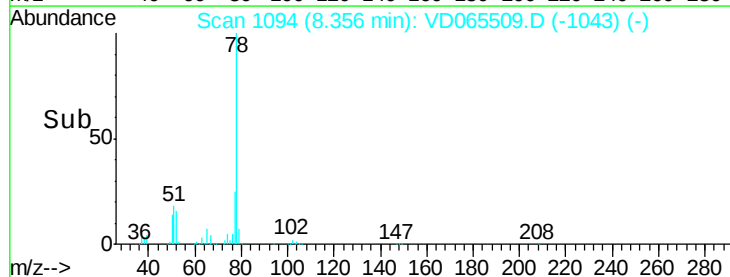
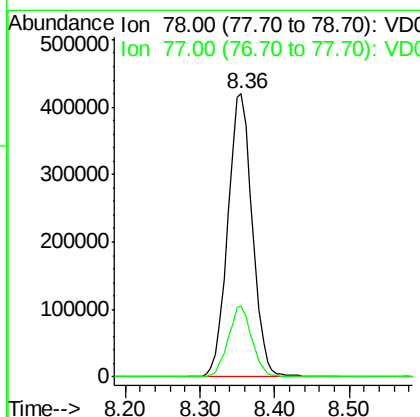
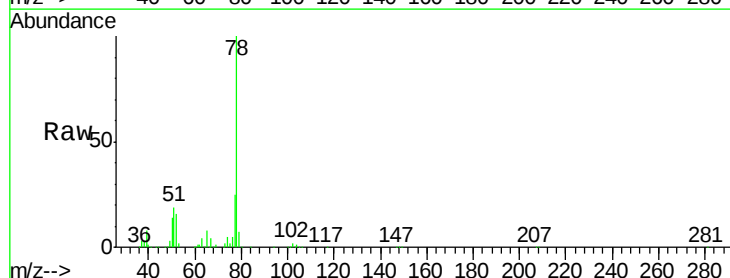
Manual Integrations
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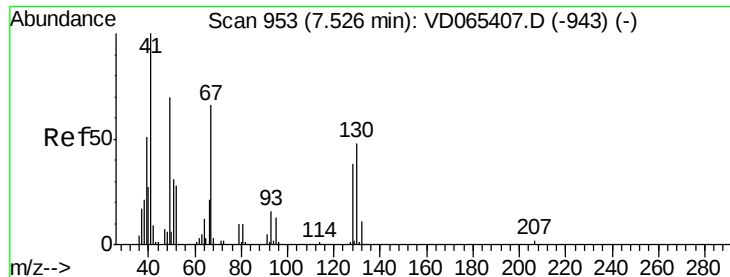
MMDadoda
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#40
Benzene
Concen: 53.908 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.4	29.0





#41

Methacrylonitrile

Concen: 49.732 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 64769

Ion Ratio Lower Upper

41 100

39 59.9 55.0 82.6

67 82.5 70.3 105.5

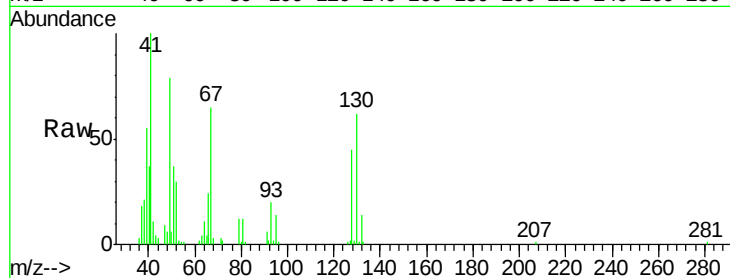
52 34.0 30.7 46.1

Manual Integrations

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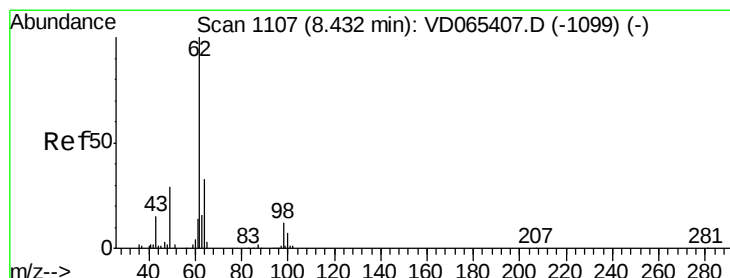
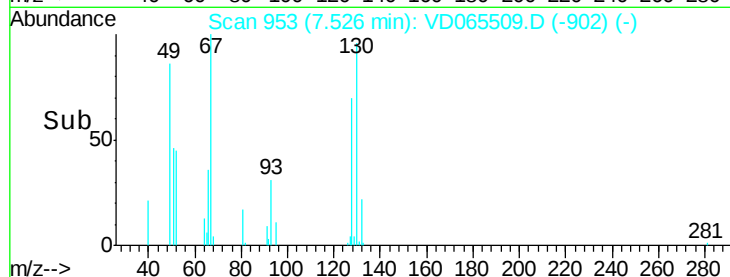
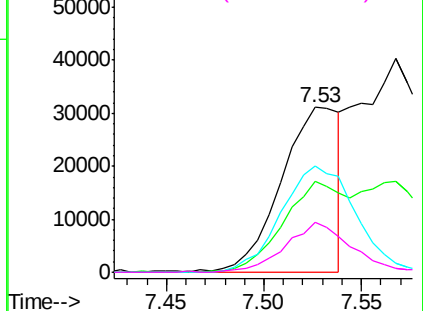


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.441 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065509.D

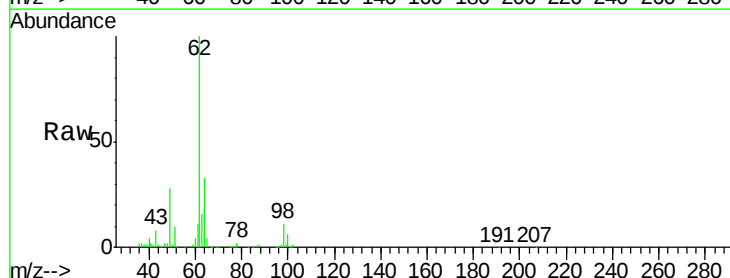
Acq: 16 Mar 2020 12:49

Tgt Ion: 62 Resp: 248588

Ion Ratio Lower Upper

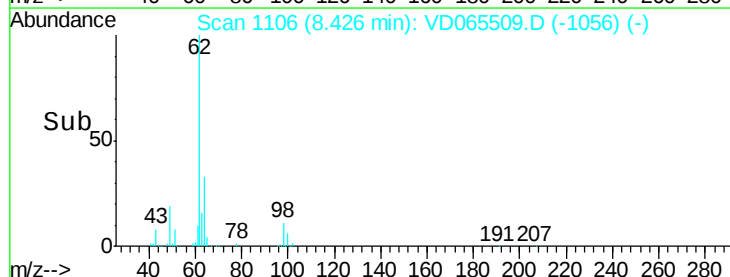
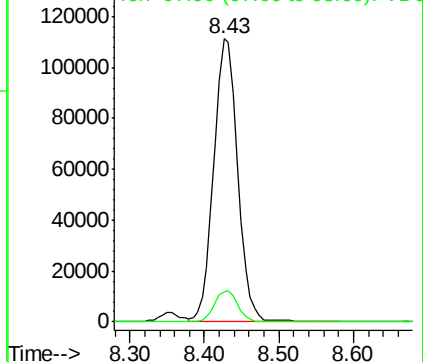
62 100

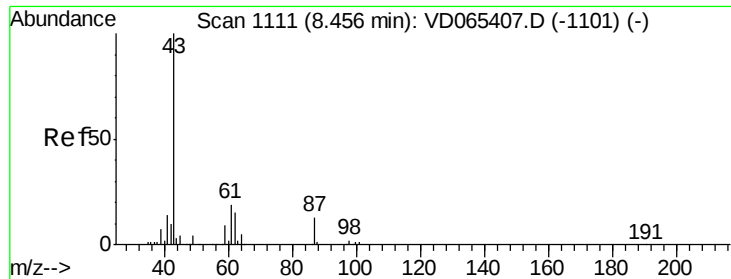
98 10.7 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





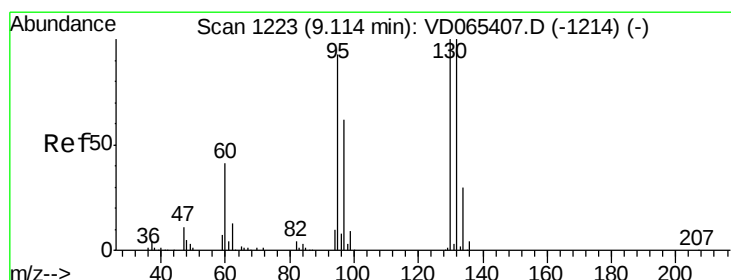
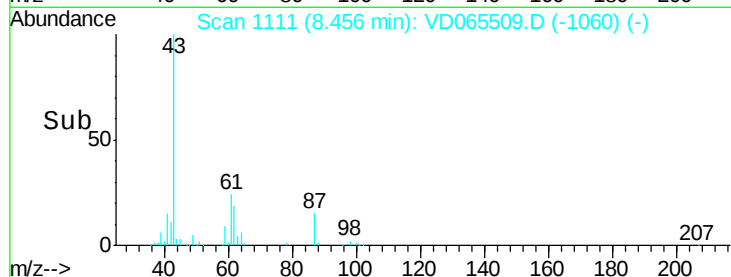
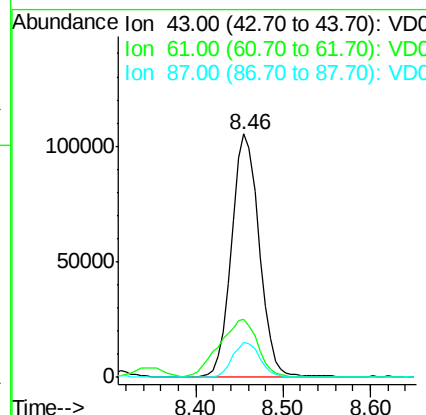
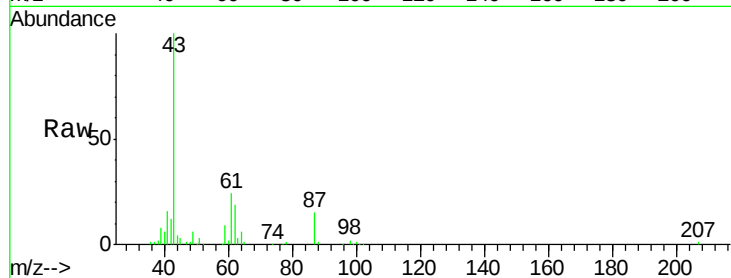
#43
Isopropyl Acetate
Concen: 49.741 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.6	25.0	37.6
87	14.2	11.0	16.4

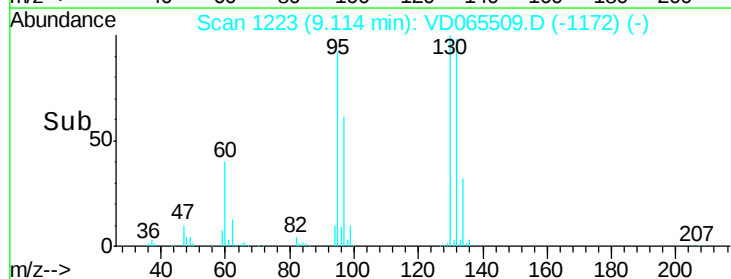
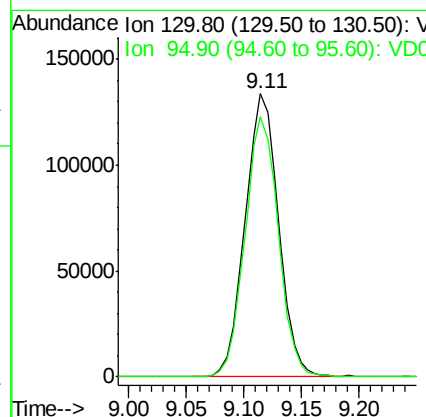
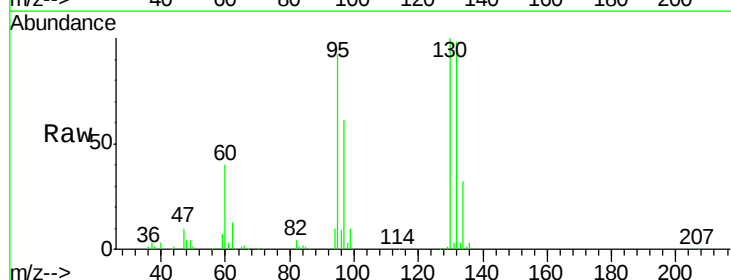
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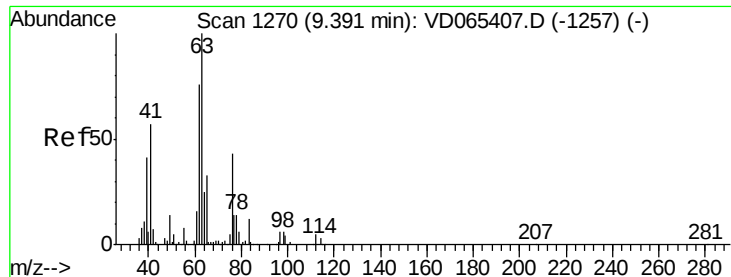
MMDadoda
3/17/2020 12:09:52 PM



#44
Trichloroethene
Concen: 53.706 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	186.0





#45

1,2-Dichloropropane

Concen: 53.856 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 232394

Ion Ratio Lower Upper

63 100

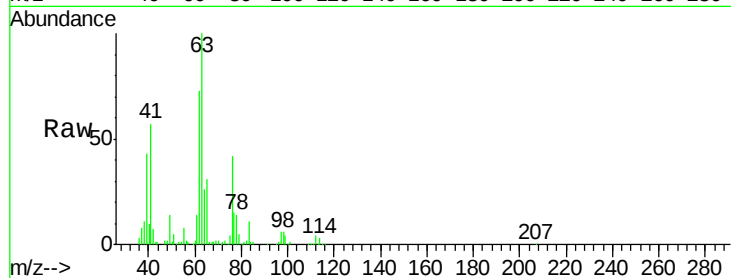
65 30.5 26.4 39.6

Manual Integrations

APPROVED

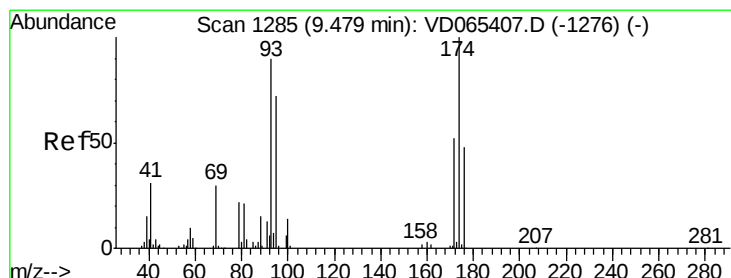
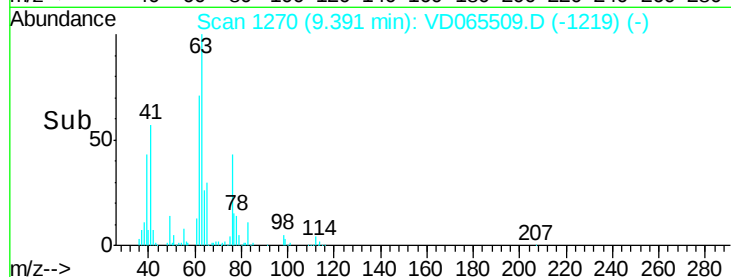
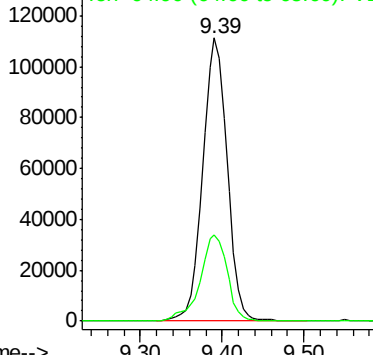
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 53.045 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

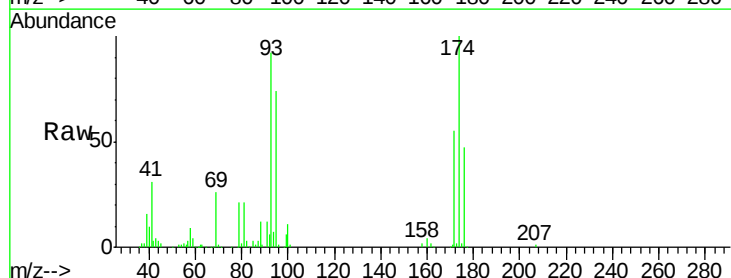
Tgt Ion: 93 Resp: 118729

Ion Ratio Lower Upper

93 100

95 81.6 65.0 97.6

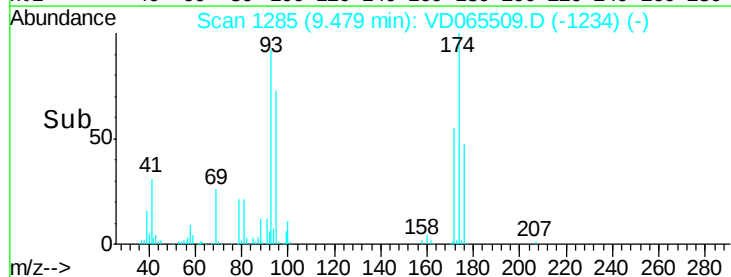
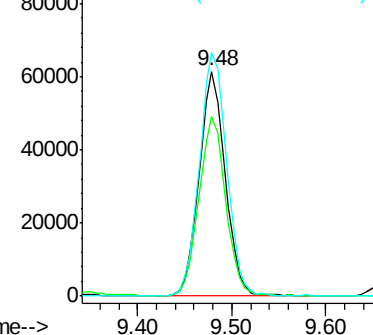
174 112.9 88.3 132.5

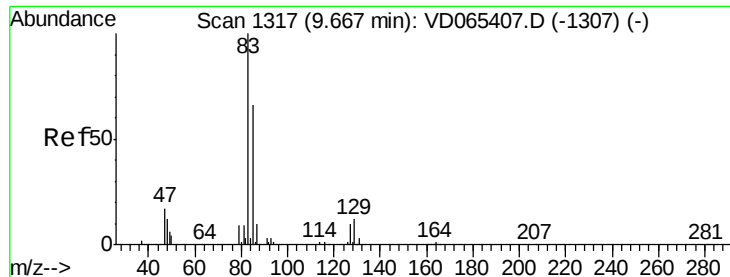


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 53.432 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

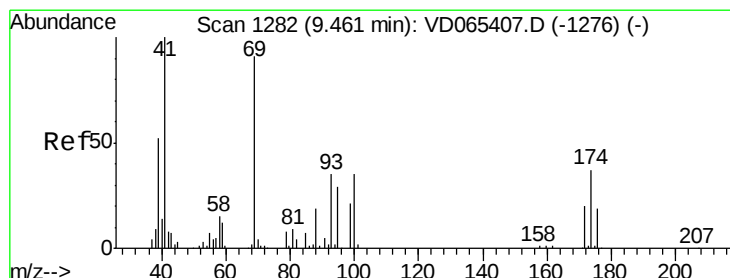
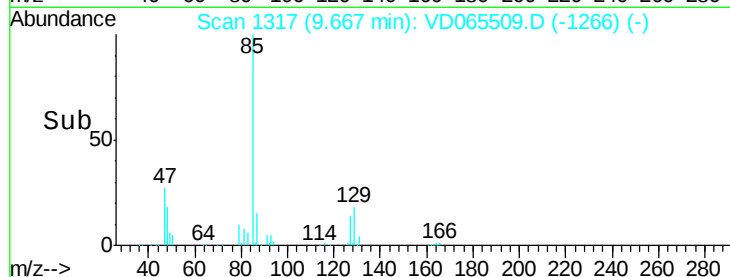
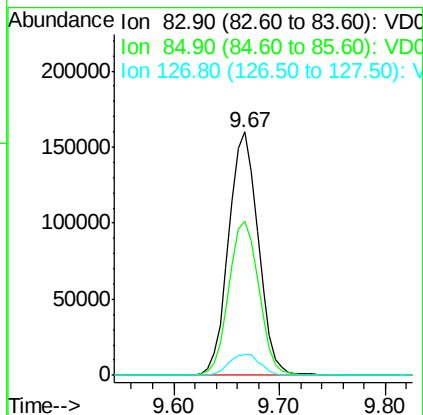
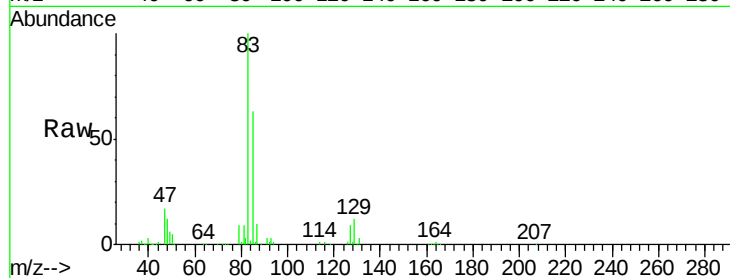
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	311134
Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.8	79.2
127	8.7	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.975 ug/l

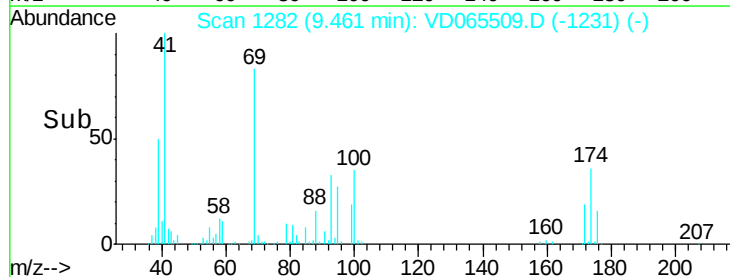
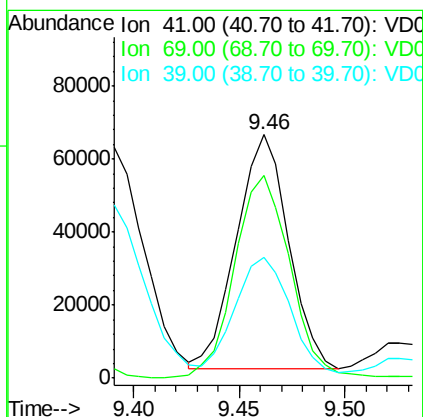
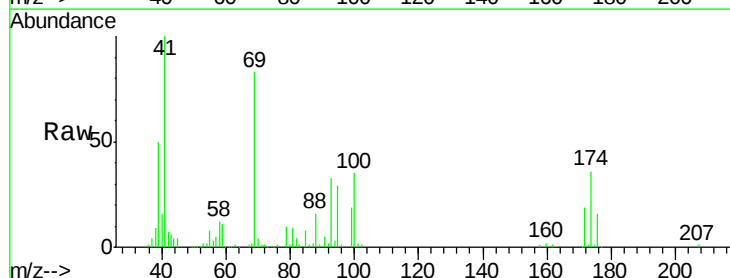
RT: 9.46 min Scan# 1282

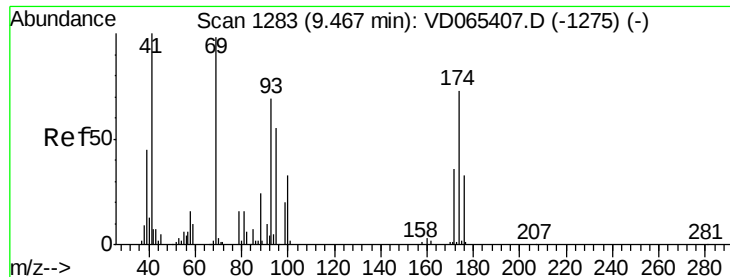
Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Tgt Ion:	41	Resp:	109030
Ion	Ratio	Lower	Upper
41	100		
69	93.8	72.5	108.7
39	50.8	41.6	62.4





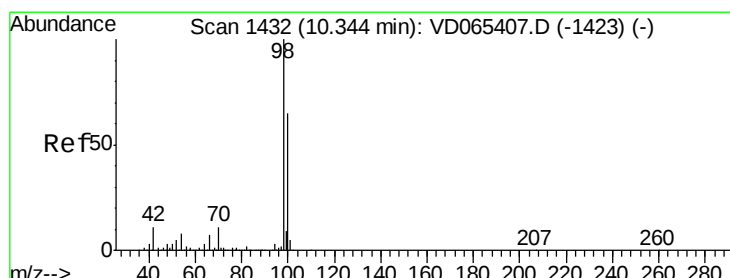
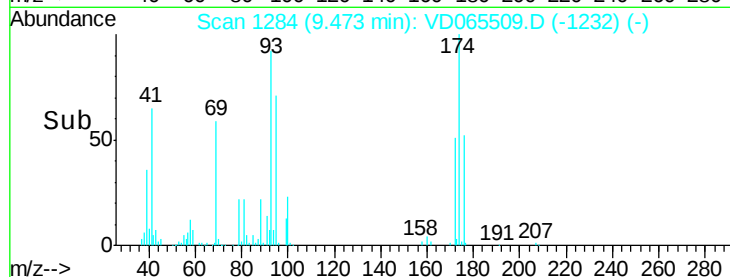
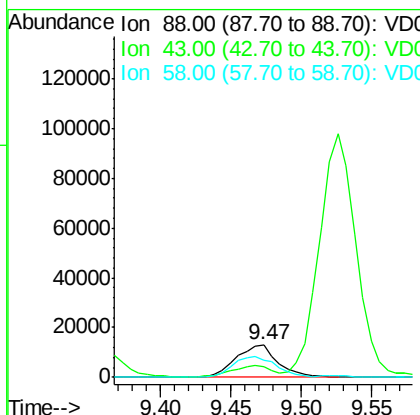
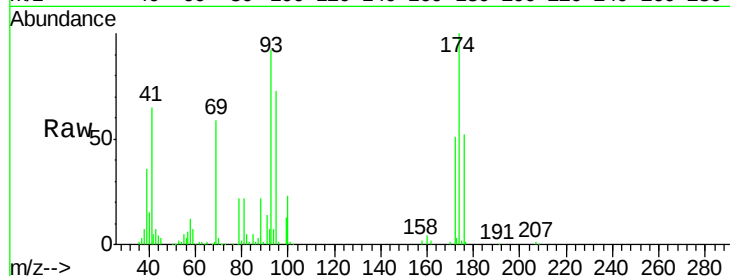
#49
1,4-Dioxane
Concen: 1058.570 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	27102
Ion Ratio	Lower	Upper	
88	100		
43	31.2	24.5	36.7
58	67.4	54.5	81.7

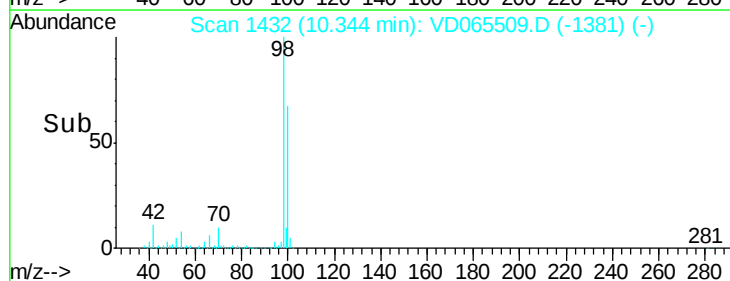
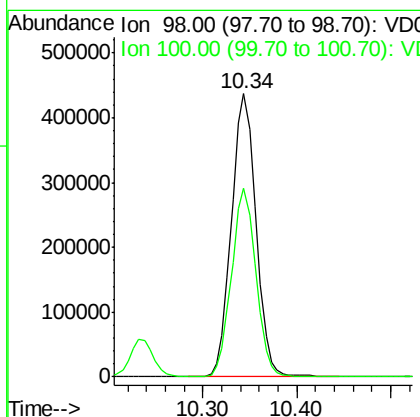
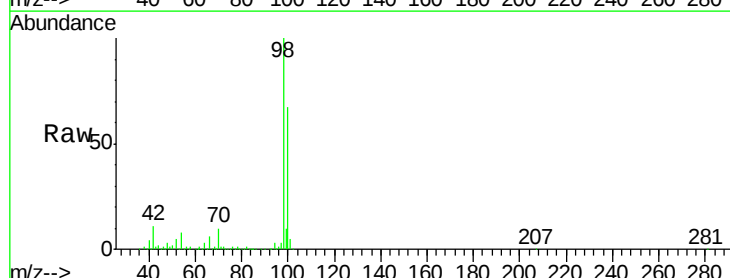
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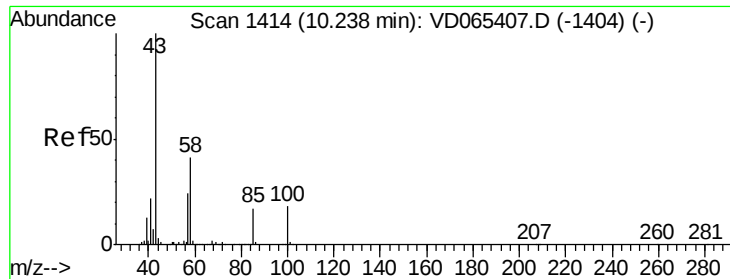
MMDadoda
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#50
Toluene-d8
Concen: 50.437 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion	98	Resp	795334
Ion Ratio	Lower	Upper	
98	100		
100	66.7	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 267.930 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 613068

Ion Ratio Lower Upper

43 100

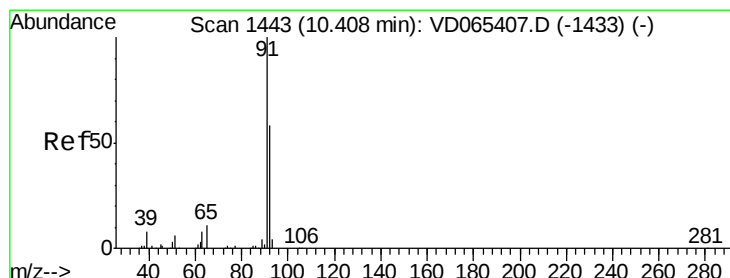
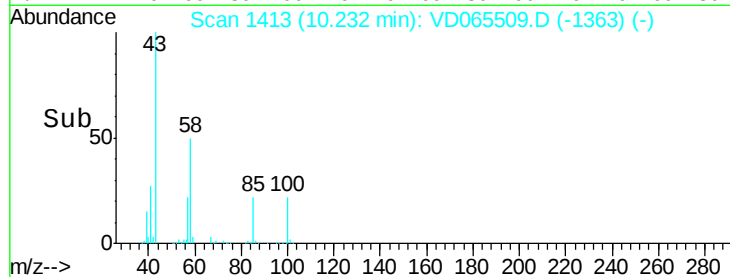
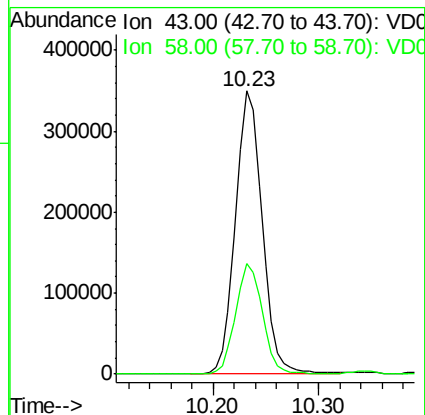
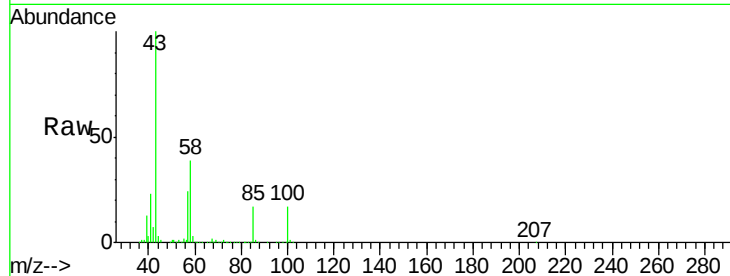
58 39.2 31.8 47.6

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#52

Toluene

Concen: 54.903 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065509.D

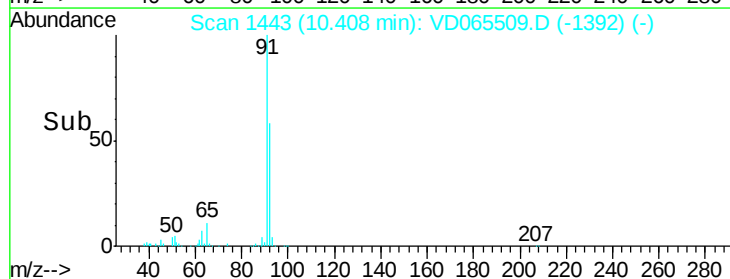
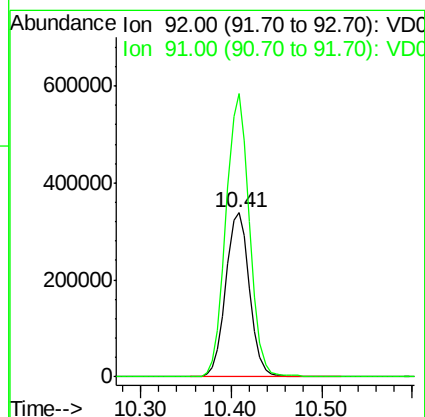
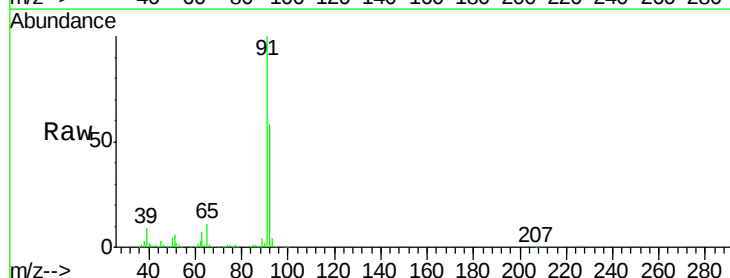
Acq: 16 Mar 2020 12:49

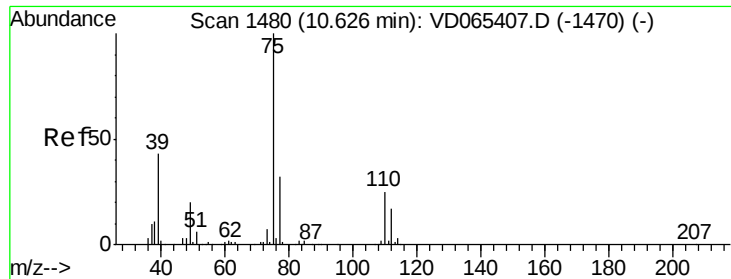
Tgt Ion: 92 Resp: 616129

Ion Ratio Lower Upper

92 100

91 170.7 137.8 206.8





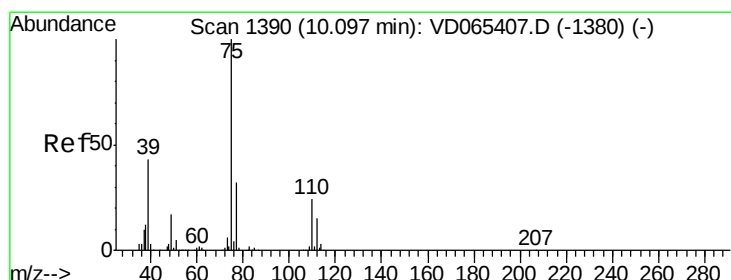
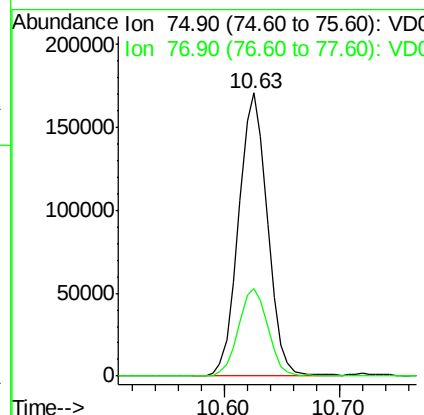
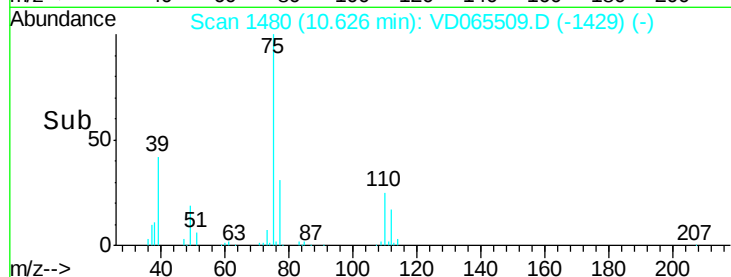
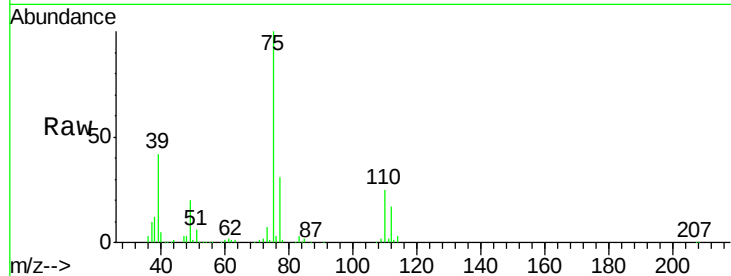
#53
 t-1,3-Dichloropropene
 Concen: 54.357 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065509.D
 Acq: 16 Mar 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 295790
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.2

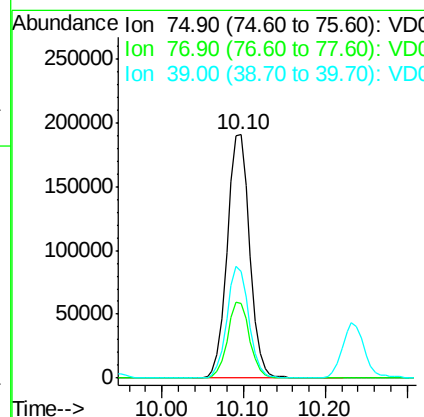
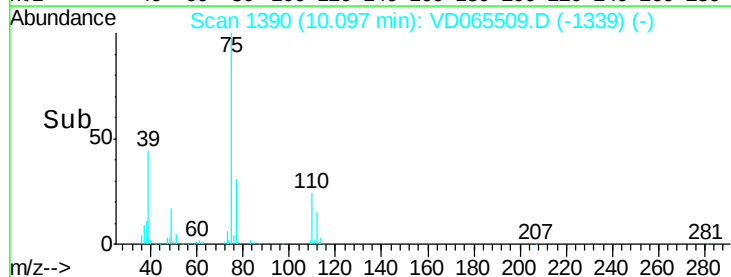
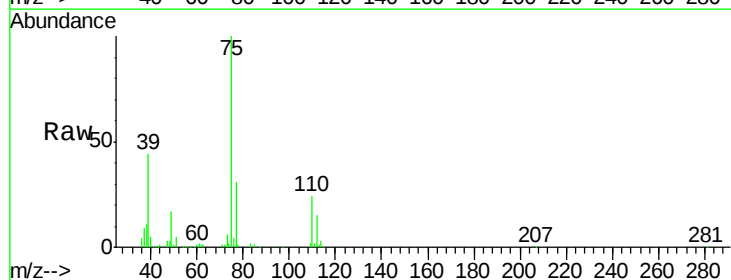
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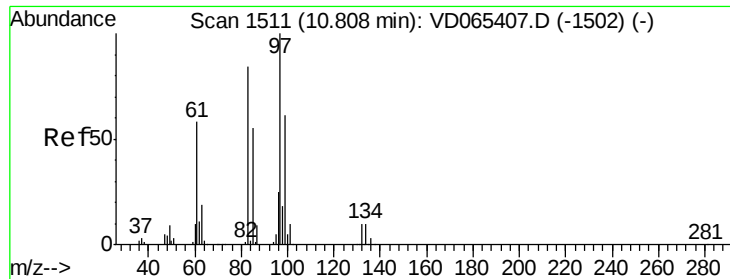
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 55.483 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD065509.D
 Acq: 16 Mar 2020 12:49

Tgt Ion: 75 Resp: 365452
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.3 37.9
 39 43.9 34.6 52.0





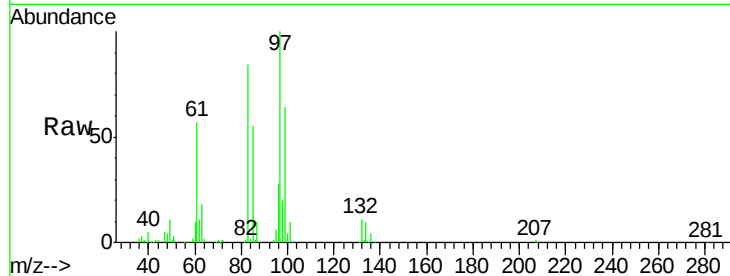
#55
 1,1,2-Trichloroethane
 Concen: 52.364 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065509.D
 Acq: 16 Mar 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

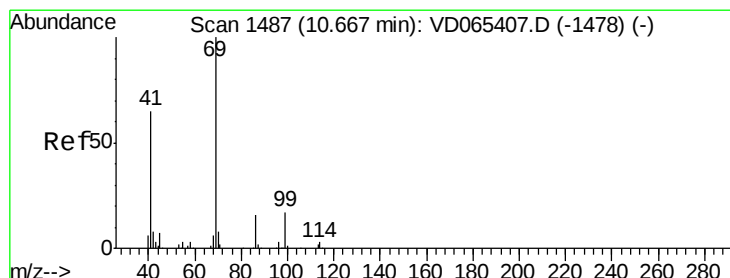
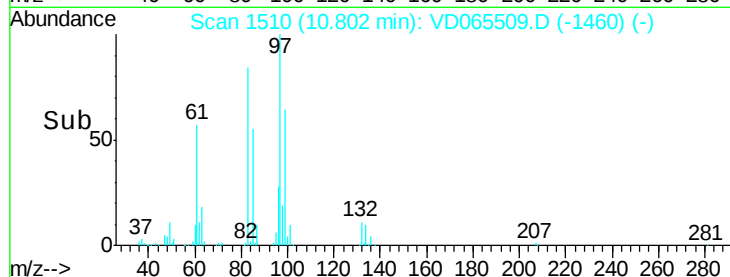
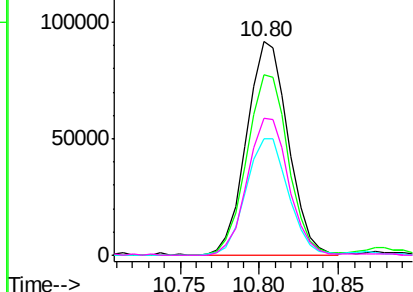
Tot Ion:	97	Resp:	166000
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.4	101.0
85	55.0	43.8	65.8
99	64.5	48.8	73.2

Manual Integrations
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 3/17/2020 12:09:52 PM

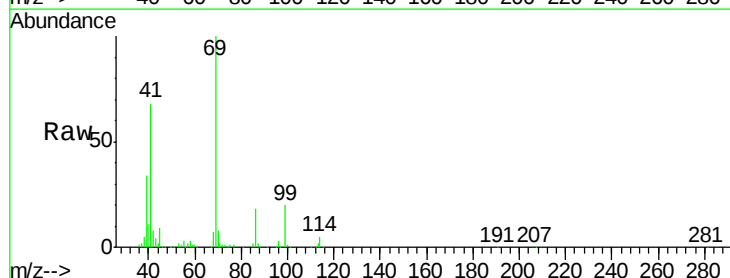


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

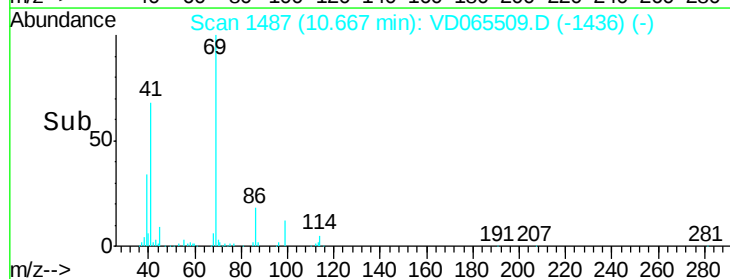
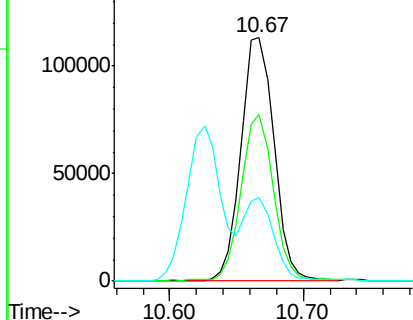


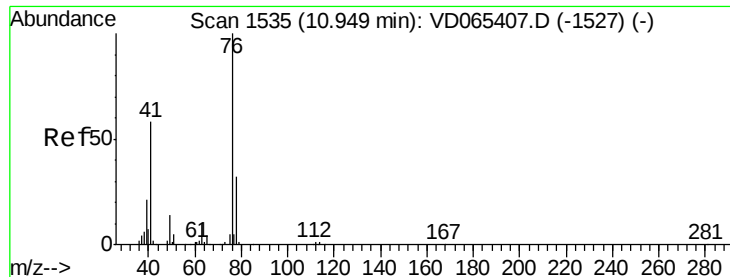
#56
 Ethyl methacrylate
 Concen: 54.556 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065509.D
 Acq: 16 Mar 2020 12:49

Tgt Ion:	69	Resp:	194973
Ion	Ratio	Lower	Upper
69	100		
41	65.6	53.0	79.6
39	30.3	26.0	39.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 53.638 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 287705

Ion Ratio Lower Upper

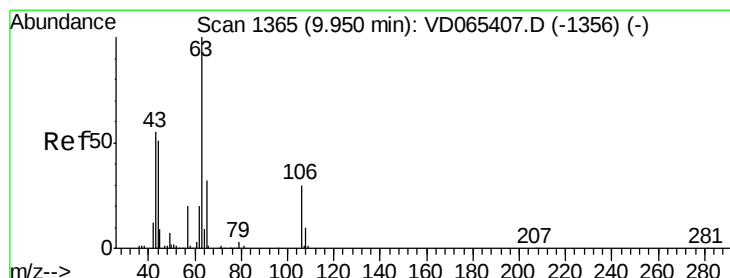
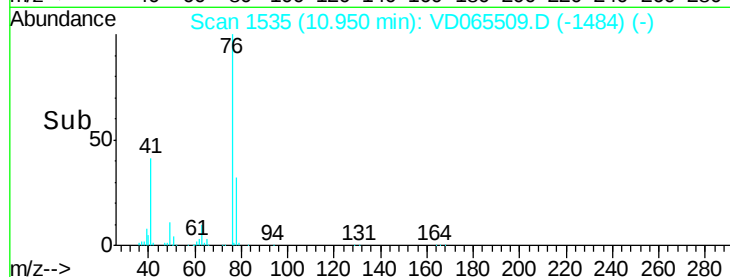
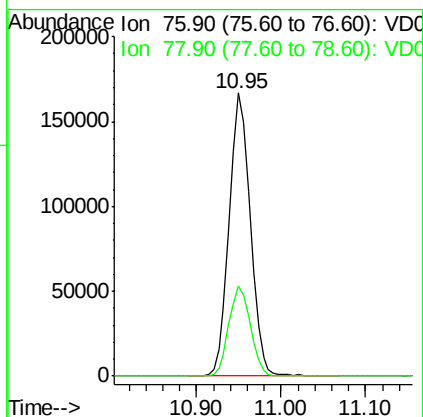
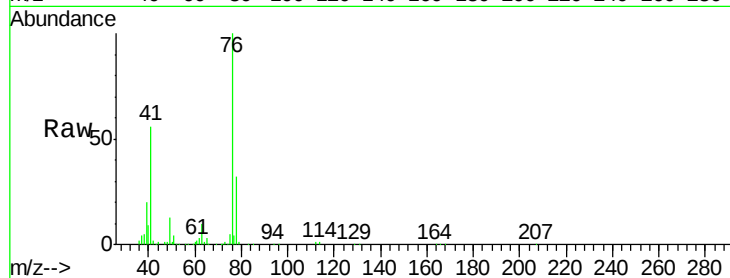
76 100

78 32.3 26.0 39.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 237.353 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065509.D

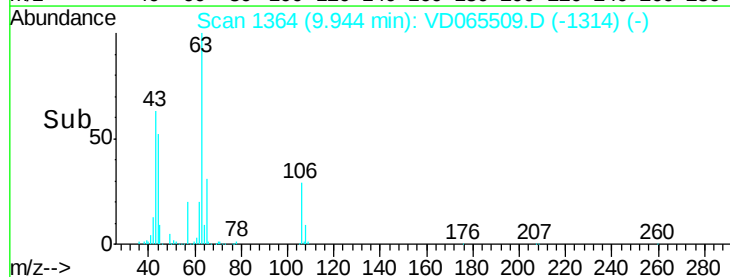
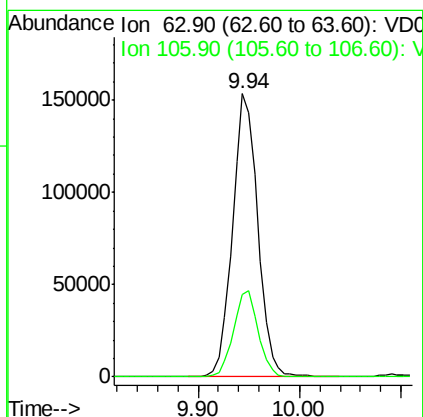
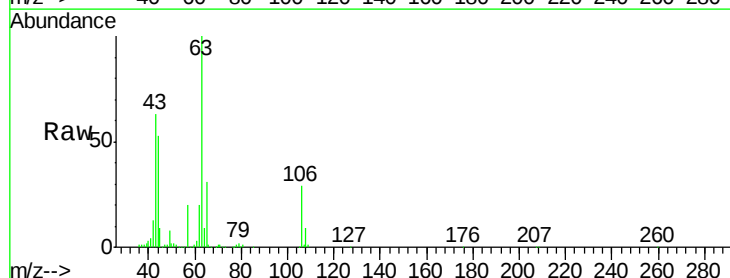
Acq: 16 Mar 2020 12:49

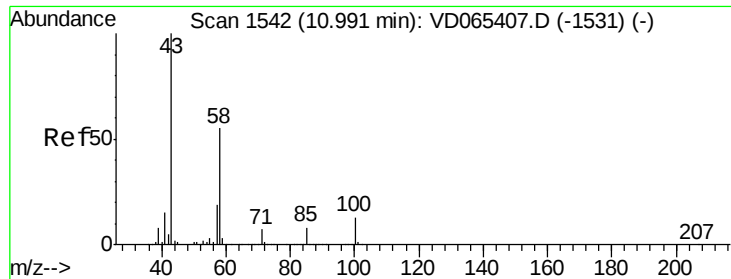
Tgt Ion: 63 Resp: 264994

Ion Ratio Lower Upper

63 100

106 29.9 23.3 34.9





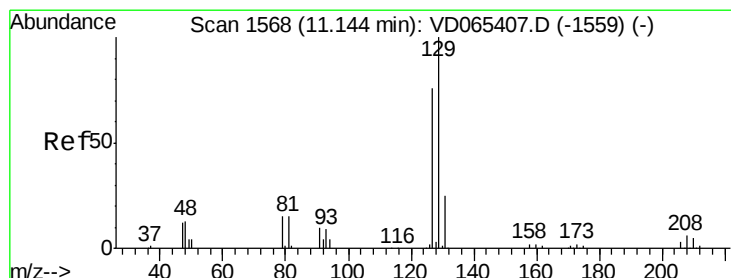
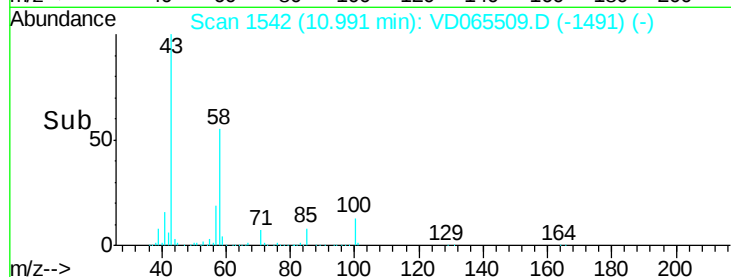
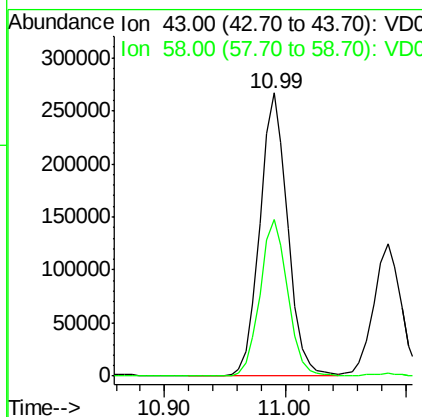
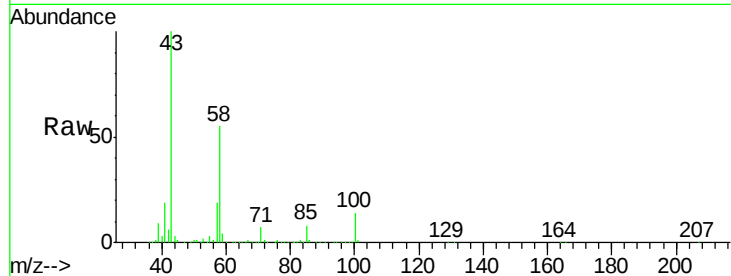
#59
2-Hexanone
Concen: 270.632 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 428671
Ion Ratio Lower Upper
43 100
58 54.9 27.4 82.2

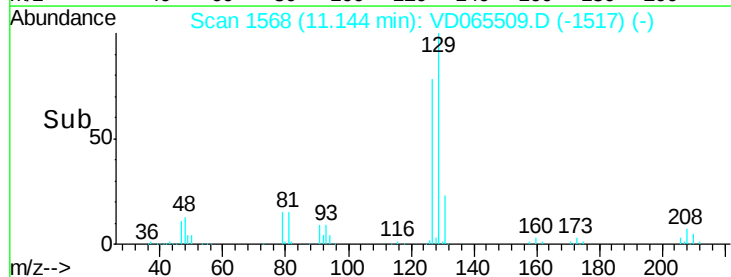
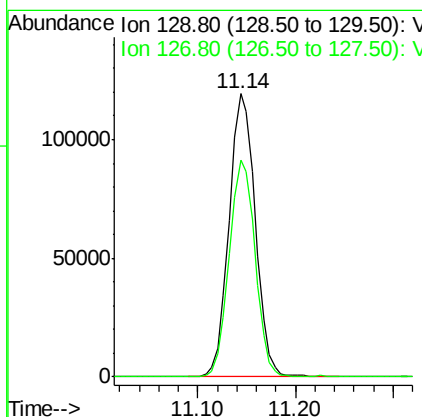
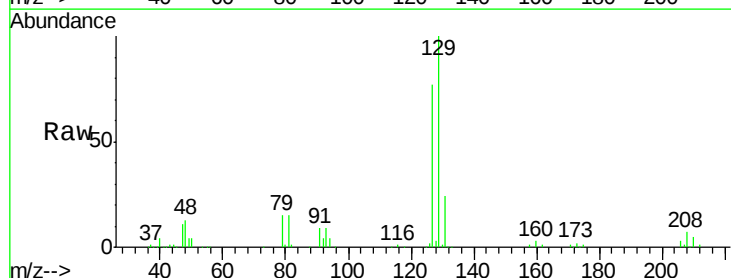
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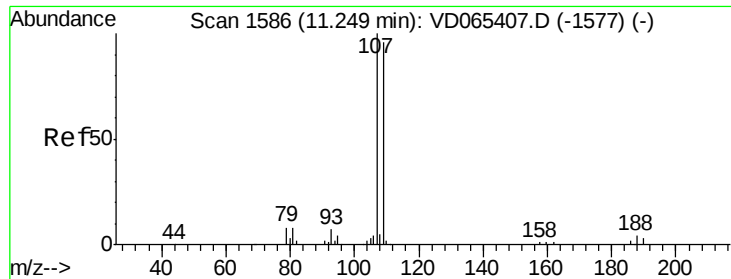
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#60
Dibromochloromethane
Concen: 54.722 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion: 129 Resp: 222370
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.130 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 160656

Ion Ratio Lower Upper

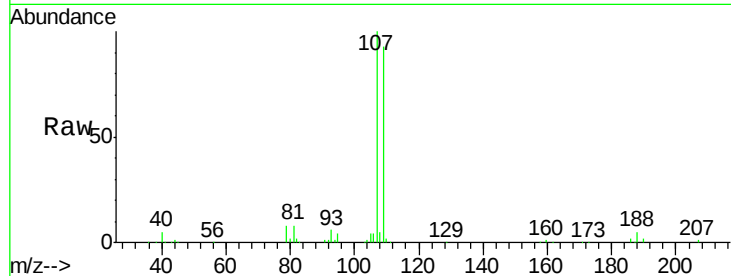
107 100

109 95.3 76.8 115.2

Manual Integrations
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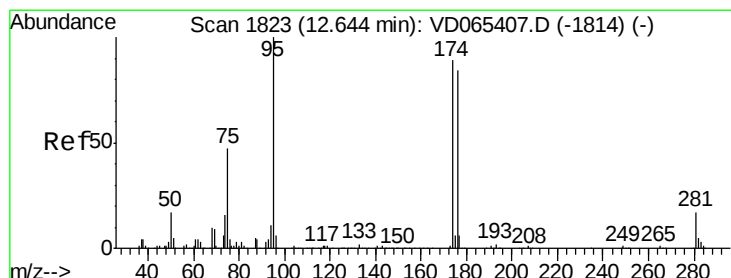
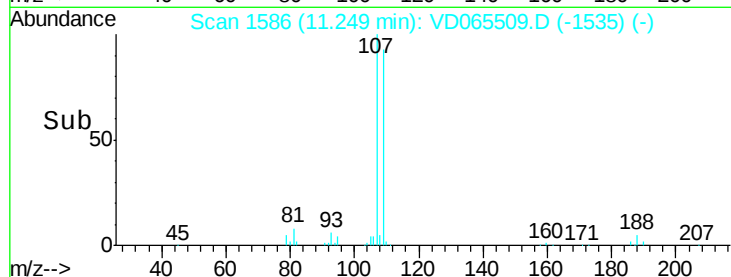
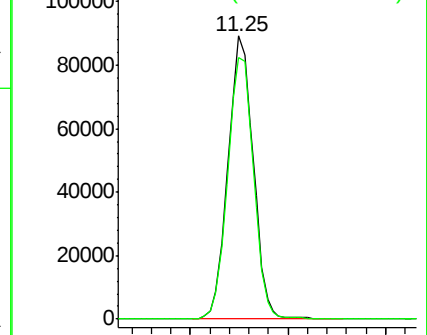
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.275 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

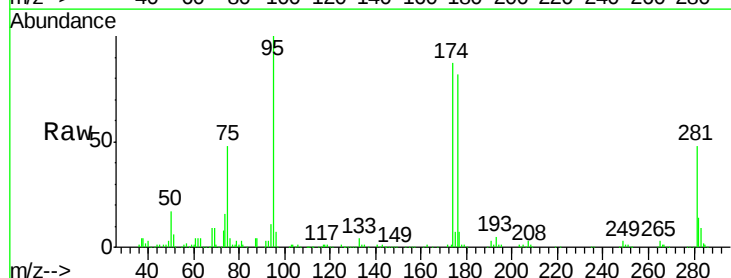
Tgt Ion: 95 Resp: 259344

Ion Ratio Lower Upper

95 100

174 90.0 0.0 176.8

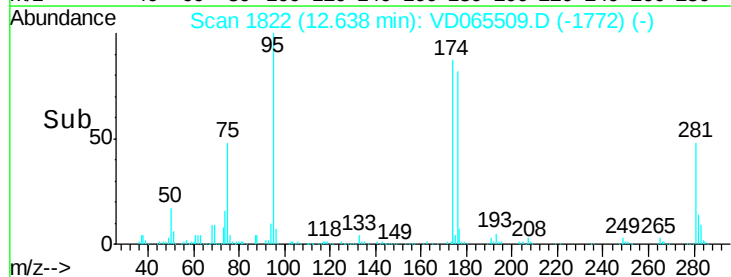
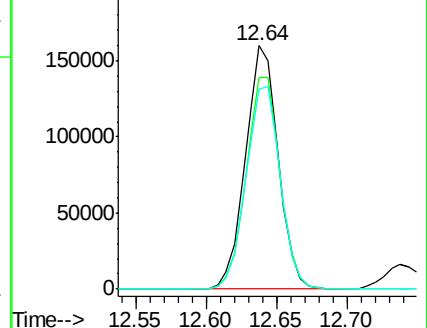
176 87.3 0.0 171.4

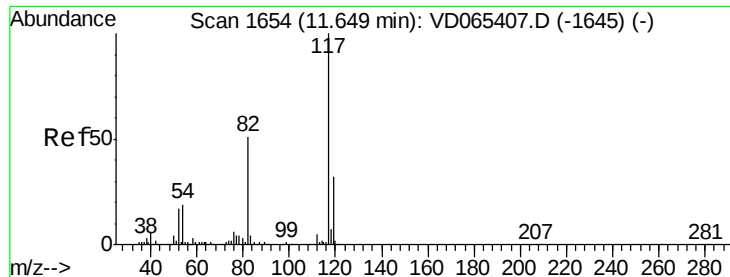


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





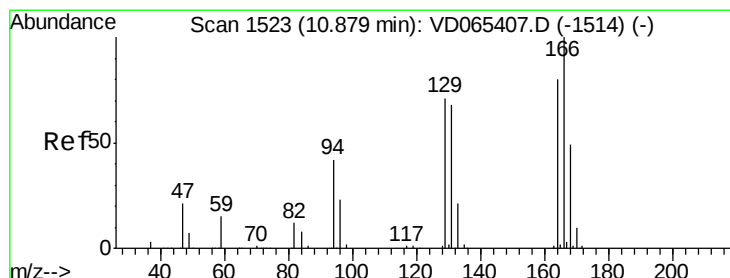
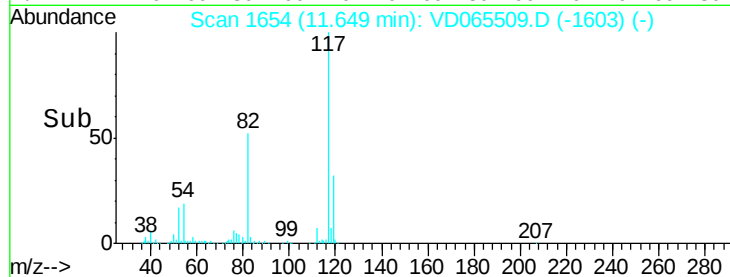
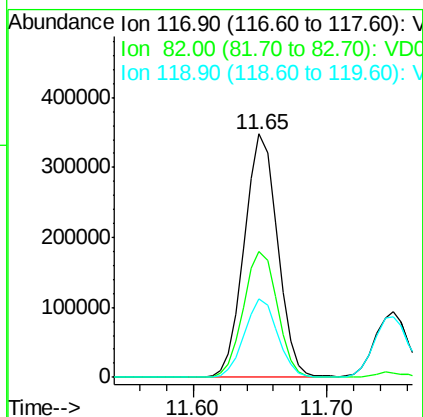
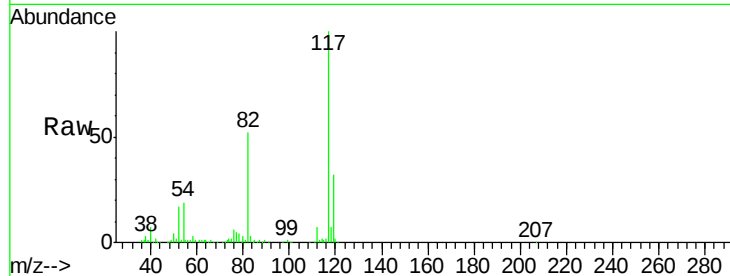
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	599863		
82	51.7		40.6	60.8
119	32.2		25.4	38.2

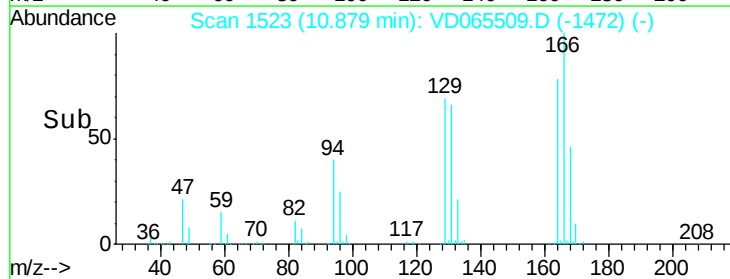
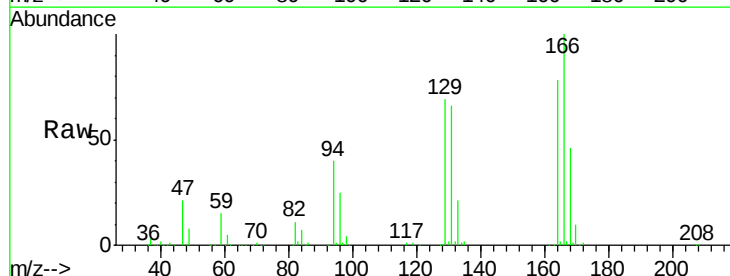
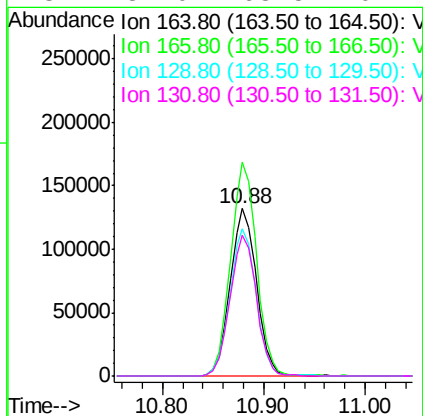
Manual Integrations
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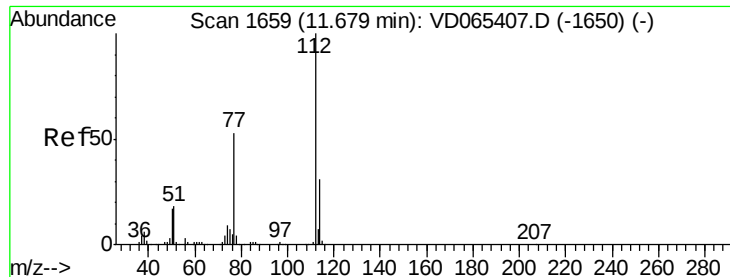
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#64
Tetrachloroethene
Concen: 55.312 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	237751		
166	127.5		100.5	150.7
129	88.2		71.5	107.3
131	84.0		68.5	102.7





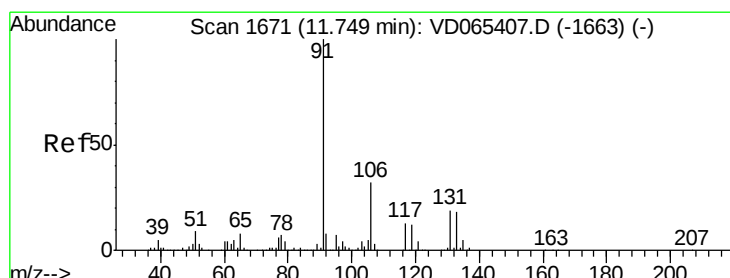
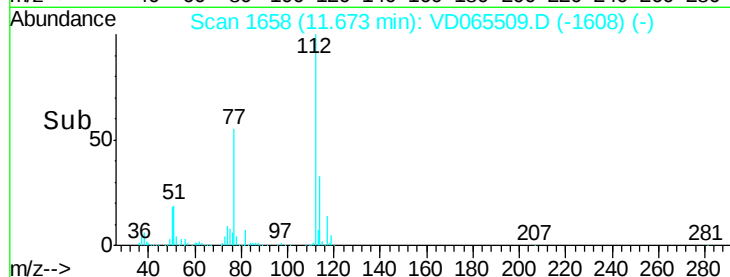
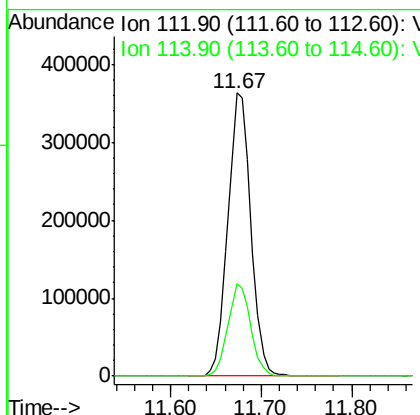
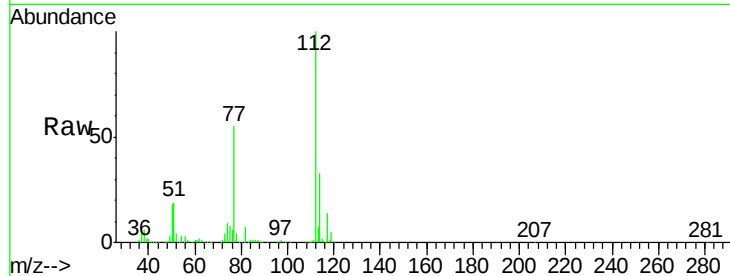
#65
Chlorobenzene
Concen: 54.064 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 641772
Ion Ratio Lower Upper
112 100
114 32.7 24.4 36.6

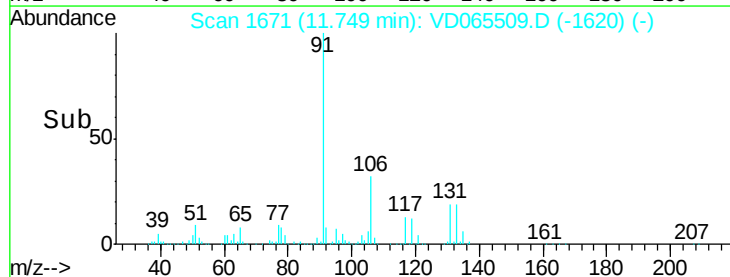
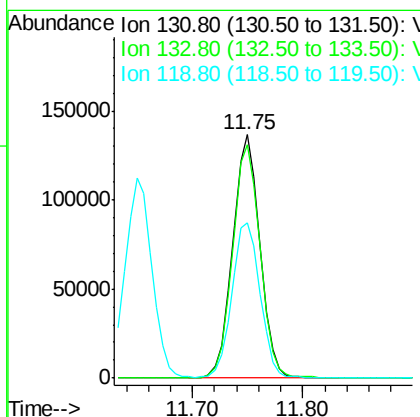
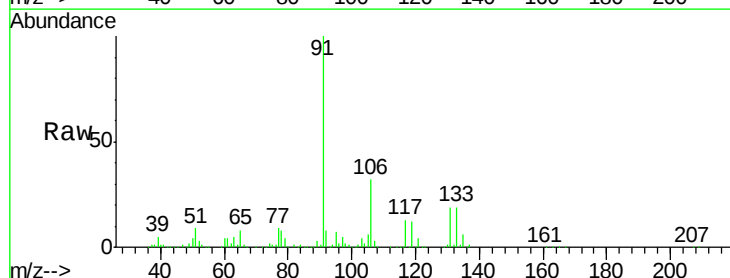
Manual Integrations
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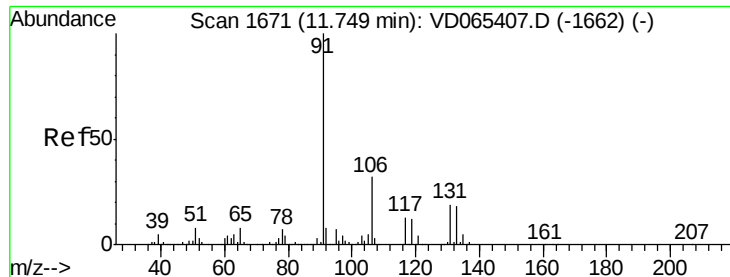
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.652 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion:131 Resp: 236278
Ion Ratio Lower Upper
131 100
133 97.2 49.2 147.6
119 66.3 33.3 99.8





#67

Ethyl Benzene

Concen: 56.185 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1152409

Ion Ratio Lower Upper

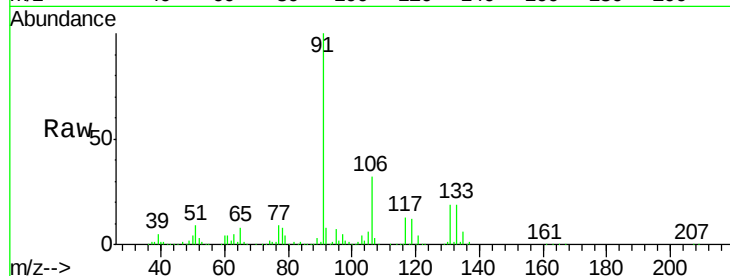
91 100

106 31.9 25.2 37.8

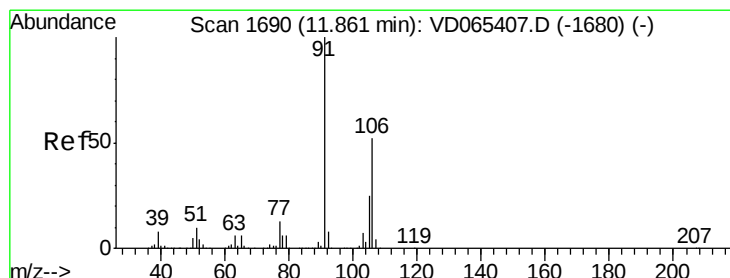
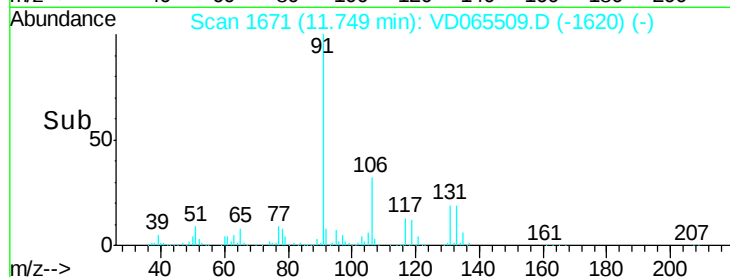
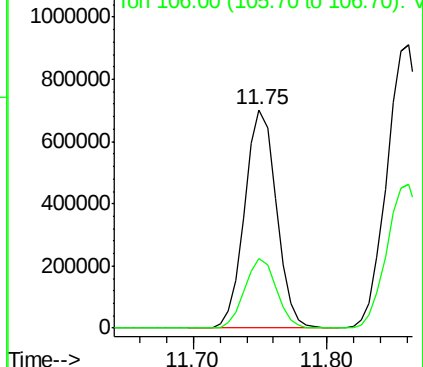
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Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1662) (-)



#68

m/p-Xylenes

Concen: 112.742 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065509.D

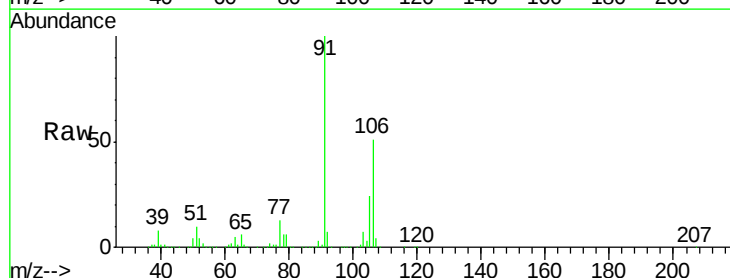
Acq: 16 Mar 2020 12:49

Tgt Ion: 106 Resp: 891653

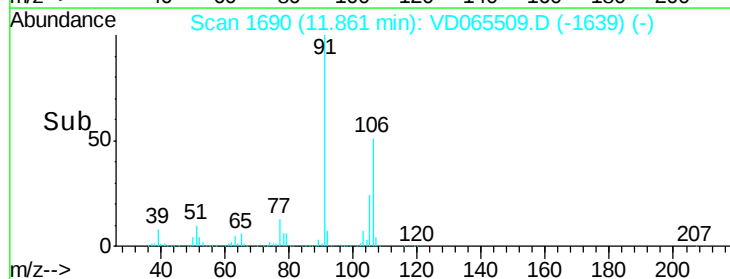
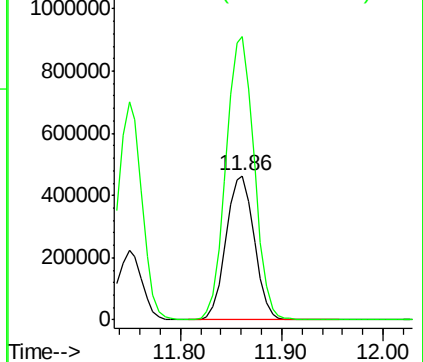
Ion Ratio Lower Upper

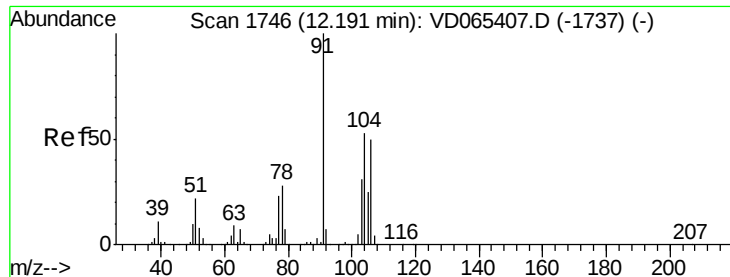
106 100

91 197.0 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VD065407.D (-1680) (-)





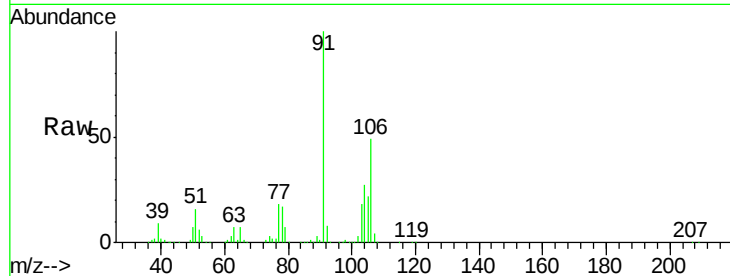
#69
o-Xylene
Concen: 57.224 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

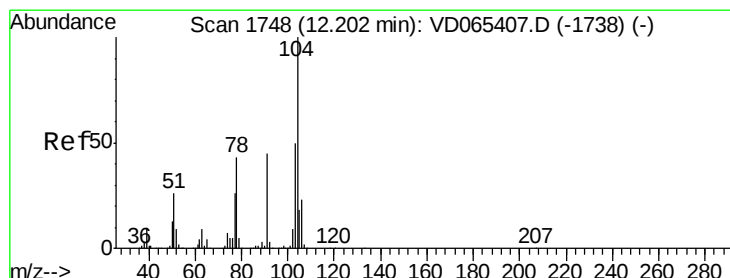
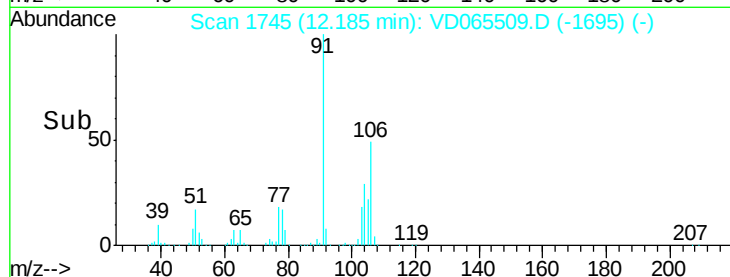
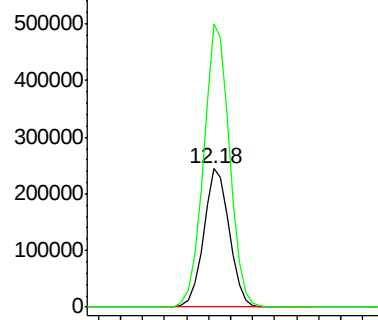
Tot Ion:106 Resp: 398098
Ion Ratio Lower Upper
106 100
91 206.4 103.5 310.3

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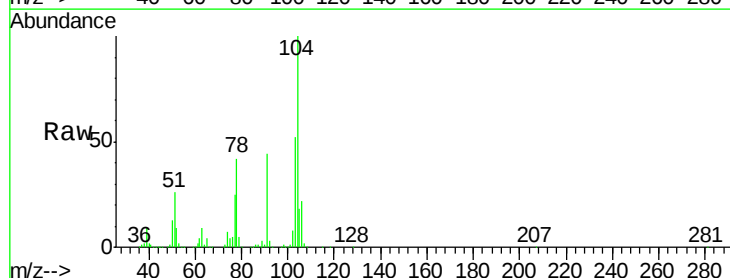


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

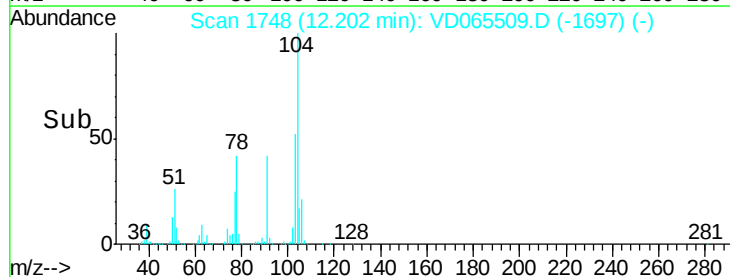
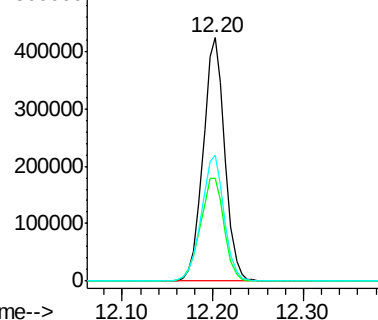


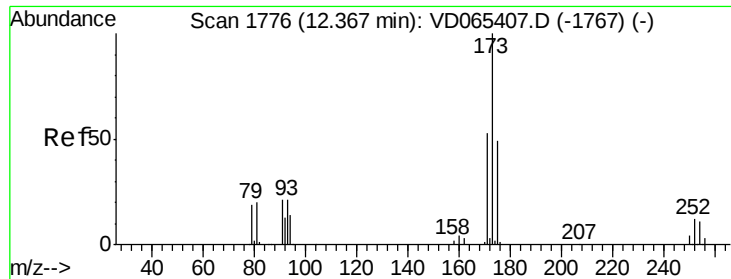
#70
Styrene
Concen: 57.409 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion:104 Resp: 702901
Ion Ratio Lower Upper
104 100
78 46.5 37.7 56.5
103 54.5 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





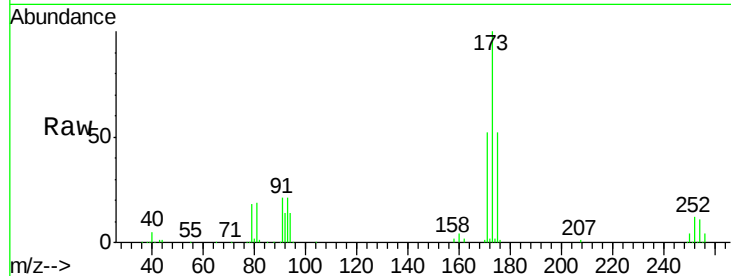
#71
Bromoform
Concen: 53.984 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

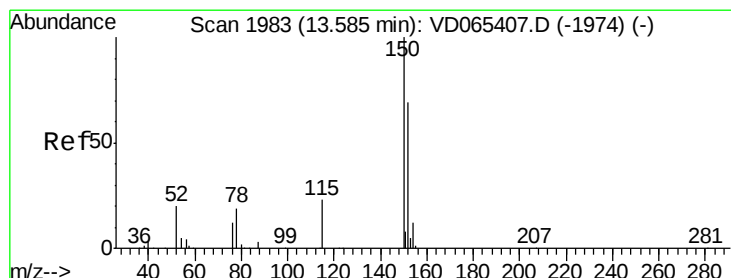
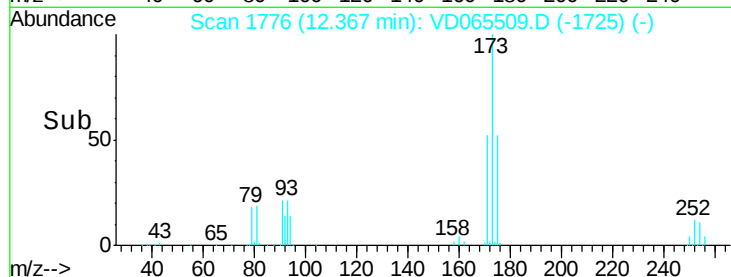
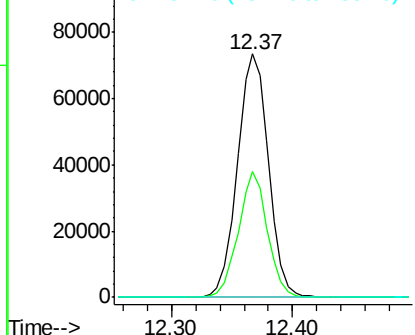
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	0.1	0.1	0.1

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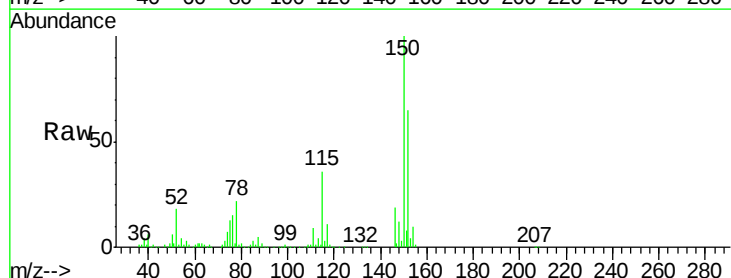


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

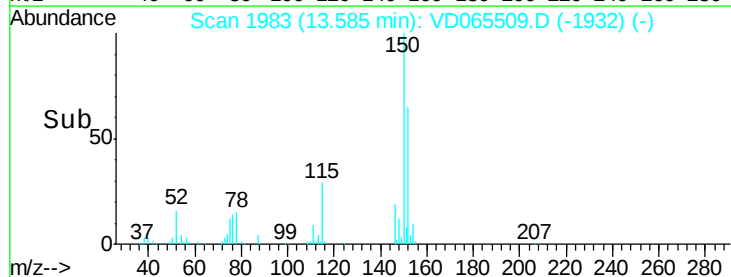
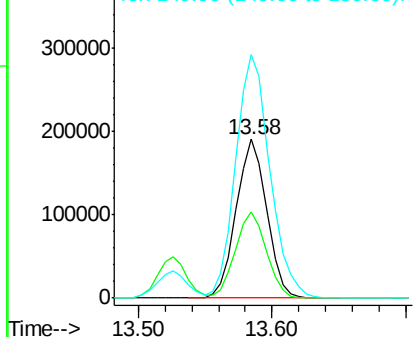


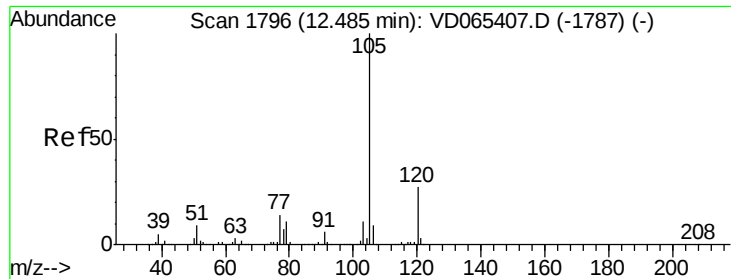
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.6	82.8
150	172.1	0.0	345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.804 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1106893

Ion Ratio Lower Upper

105 100

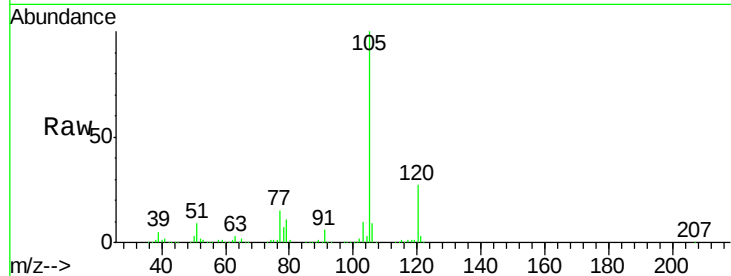
120 26.9 13.5 40.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

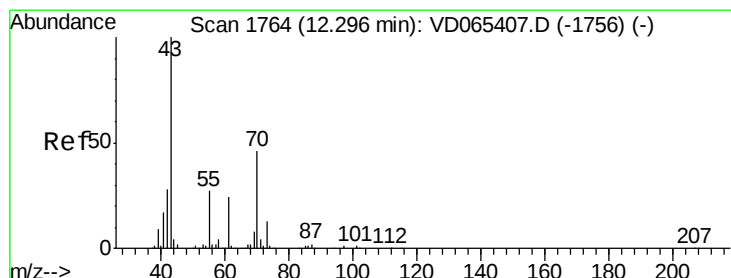
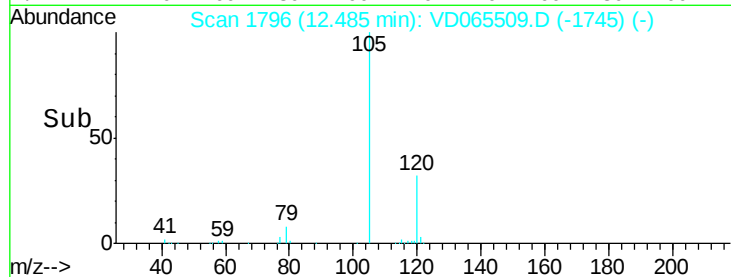
200000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 50.419 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Tgt Ion: 43 Resp: 204741

Ion Ratio Lower Upper

43 100

70 46.0 36.1 54.1

55 28.3 21.6 32.4

61 24.5 19.6 29.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

200000

150000

100000

50000

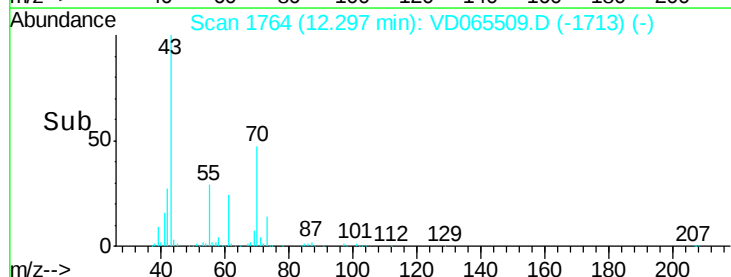
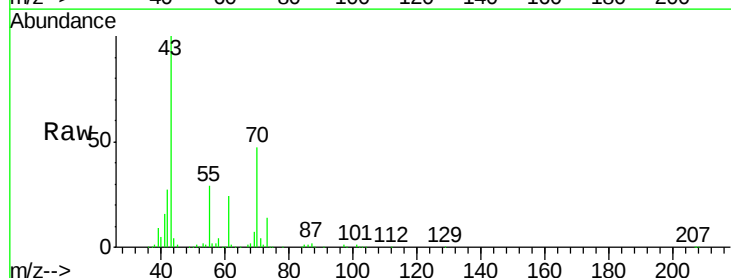
0

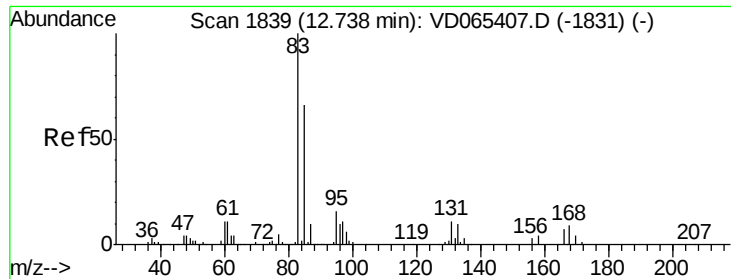
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.185 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

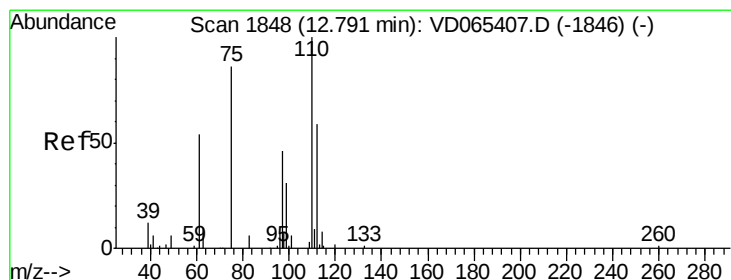
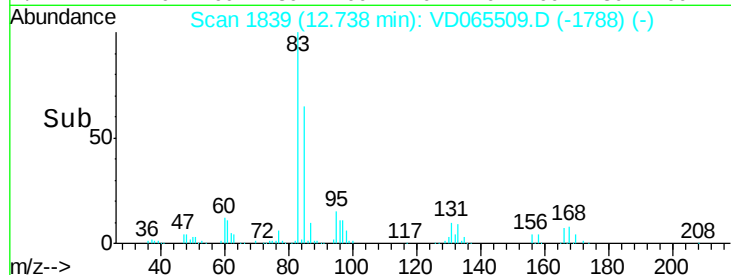
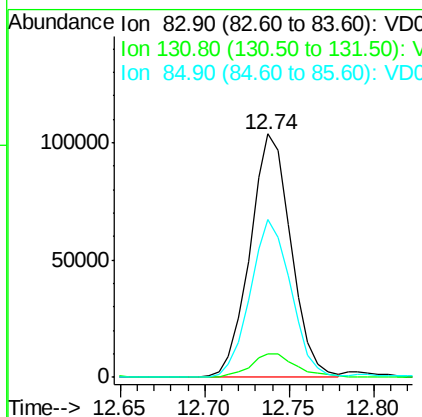
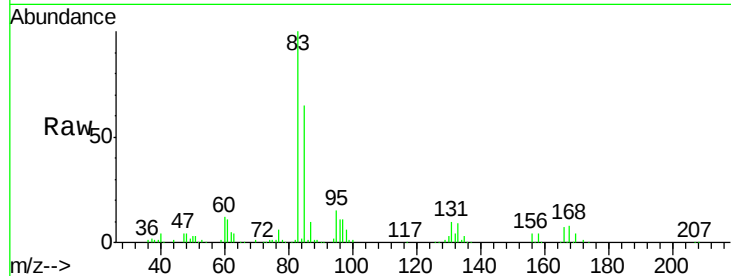
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	174977
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	64.4	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.286 ug/l m

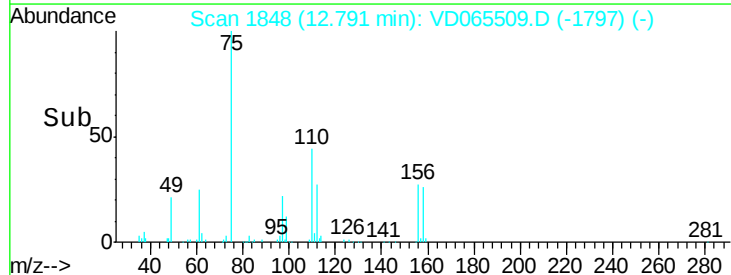
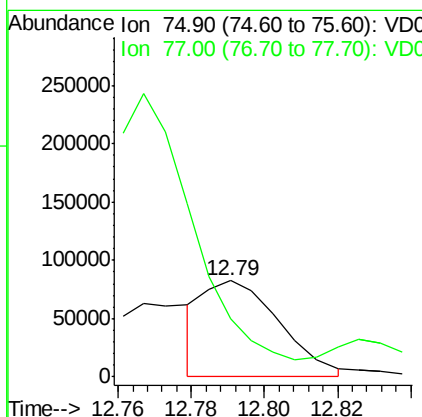
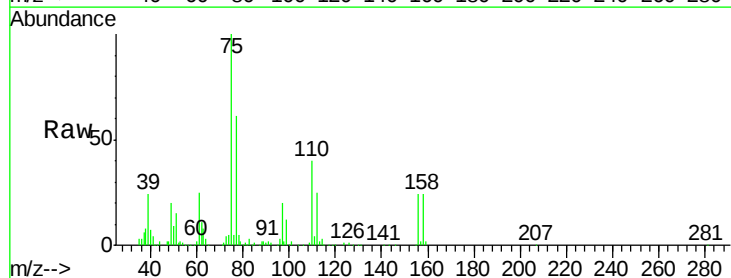
RT: 12.79 min Scan# 1848

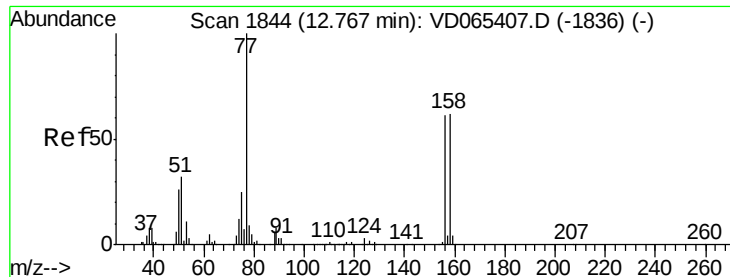
Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Tgt Ion:	75	Resp:	119662
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.034 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

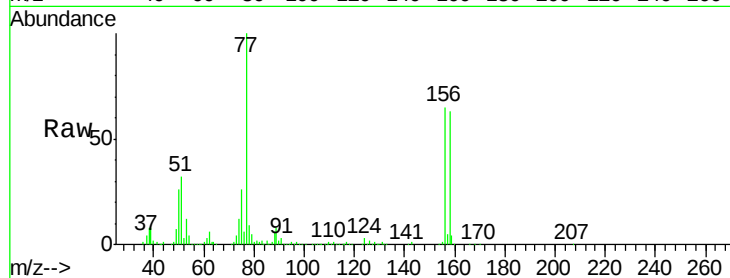
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	266285
Ion Ratio	Lower	Upper	
156	100		
77	165.6	84.9	254.6
158	96.4	49.0	147.2

Manual Integrations
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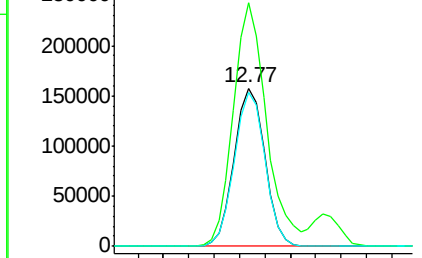
MMDadoda
3/17/2020 12:09:52 PM



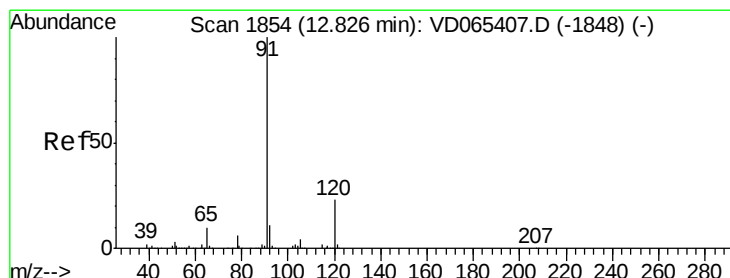
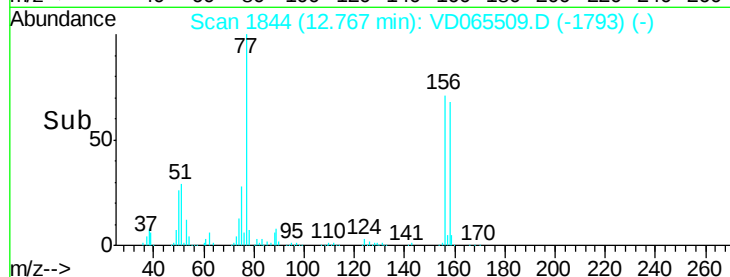
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 55.759 ug/l

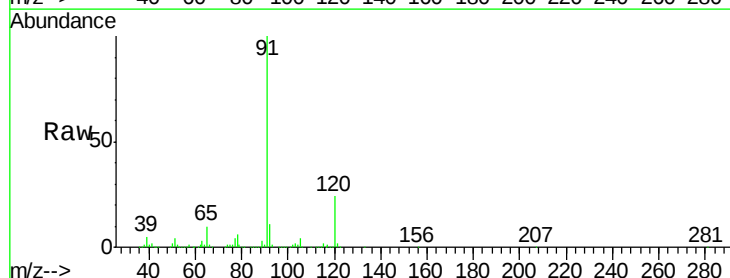
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065509.D

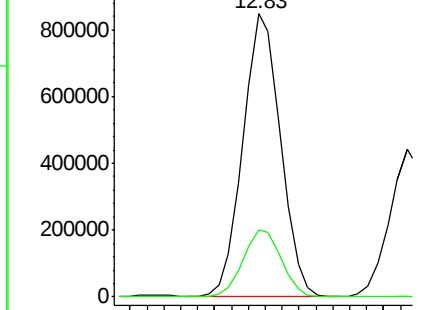
Acq: 16 Mar 2020 12:49

Tgt Ion:	91	Resp:	1312276
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.9	35.5

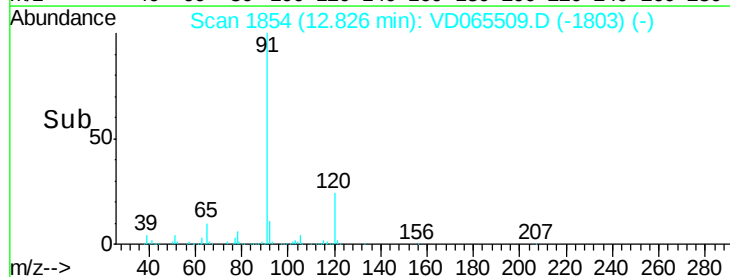


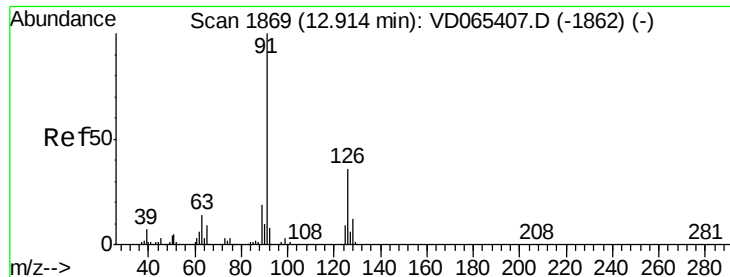
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





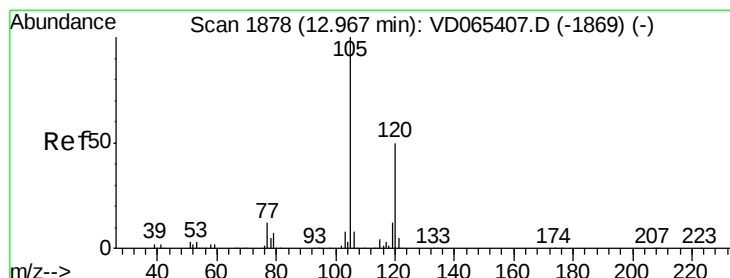
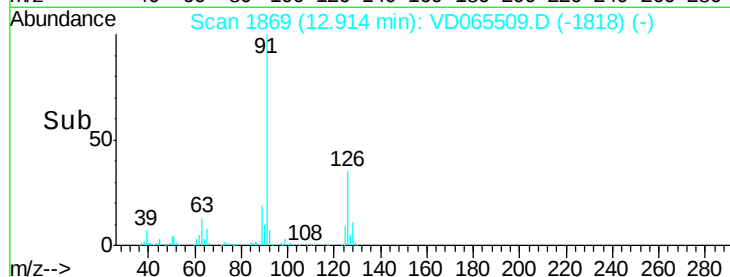
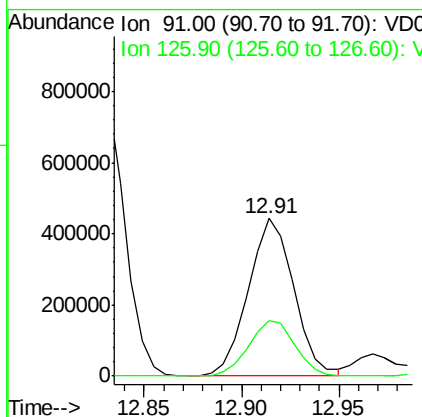
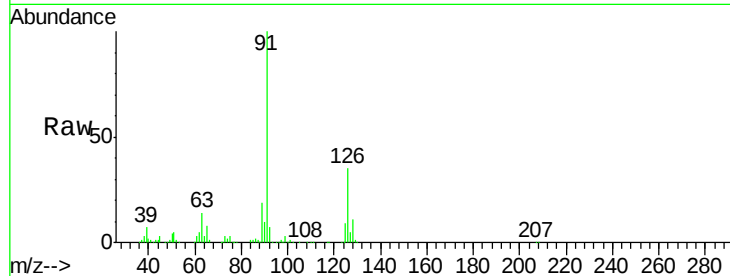
#79
2-Chlorotoluene
Concen: 53.910 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 715064
Ion Ratio Lower Upper
91 100
126 35.9 17.9 53.8

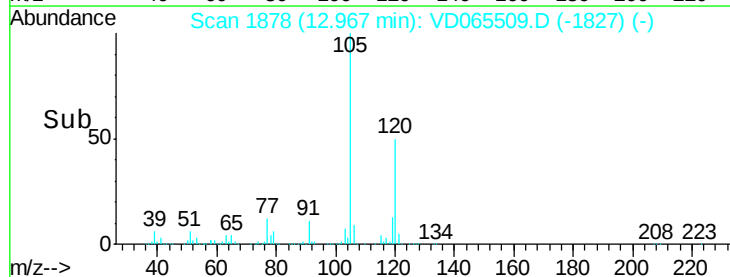
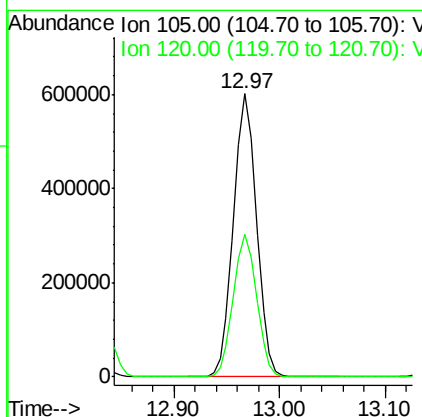
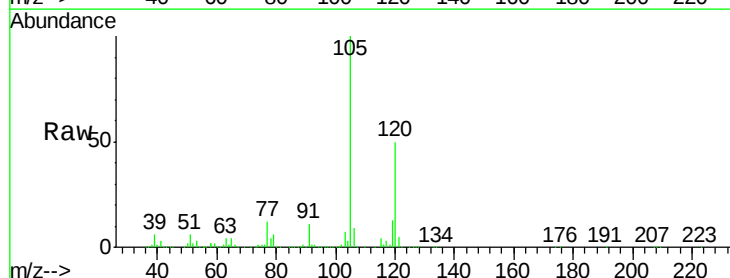
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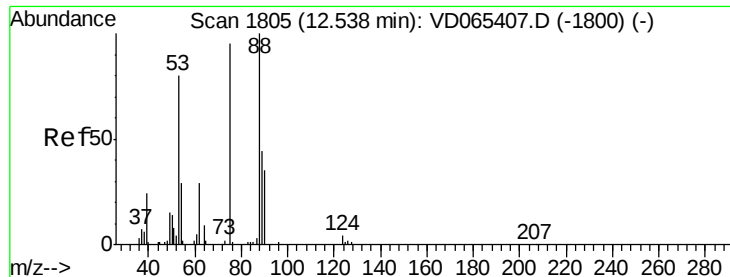
MMDadoda
3/17/2020 12:09:52 PM



#80
1,3,5-Trimethylbenzene
Concen: 55.658 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion: 105 Resp: 907617
Ion Ratio Lower Upper
105 100
120 51.1 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.892 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

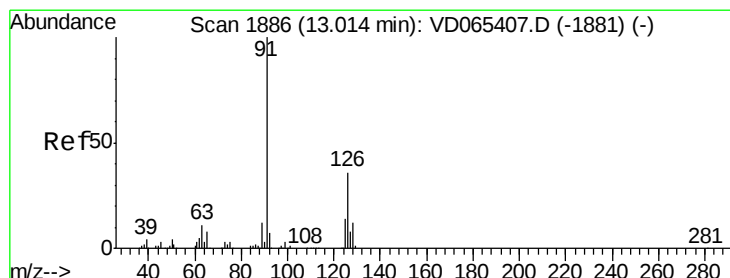
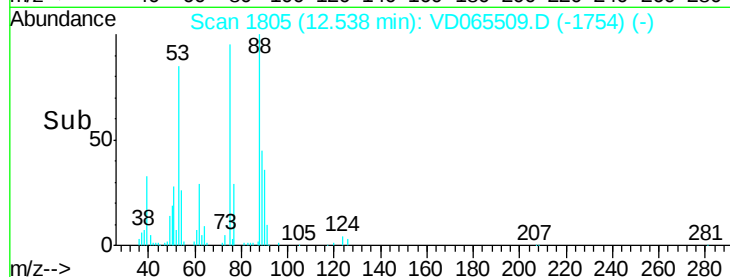
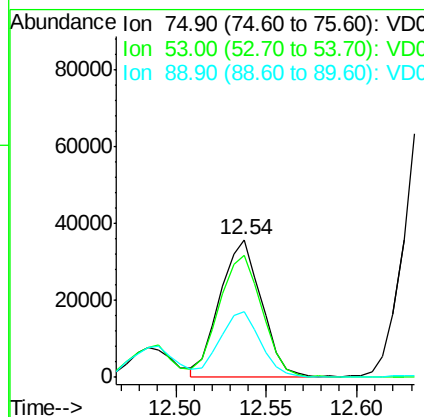
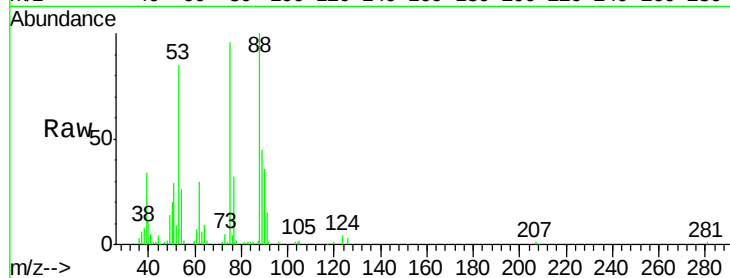
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	57387
Ion	Ratio	Lower	Upper
75	100		
53	91.3	71.3	106.9
89	47.0	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.886 ug/l

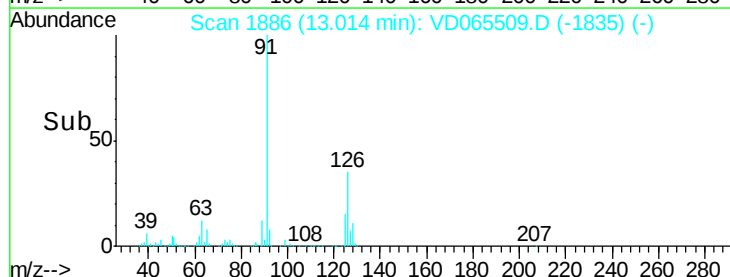
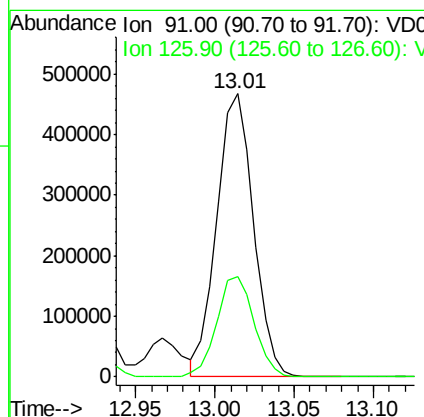
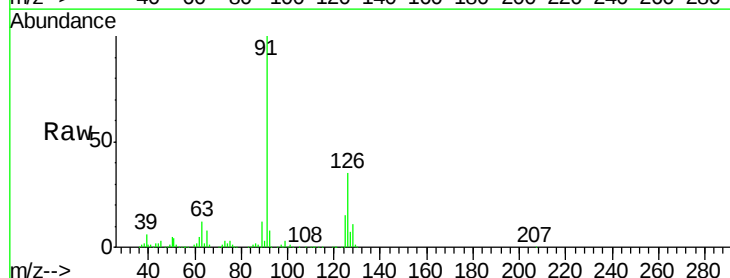
RT: 13.01 min Scan# 1886

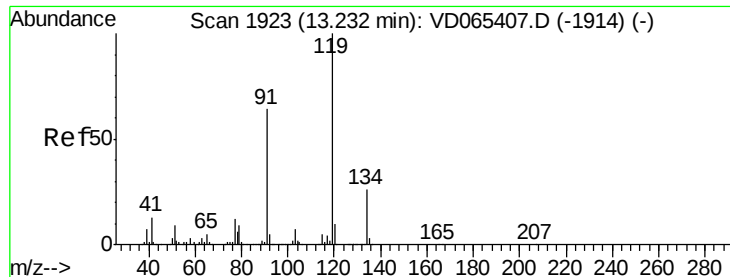
Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Tgt Ion:	91	Resp:	751070
Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.6	52.8





#83

tert-Butylbenzene

Concen: 55.660 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

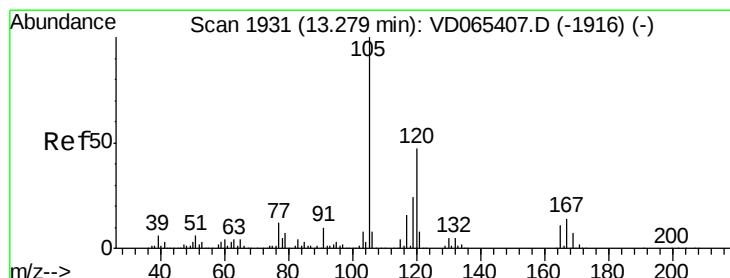
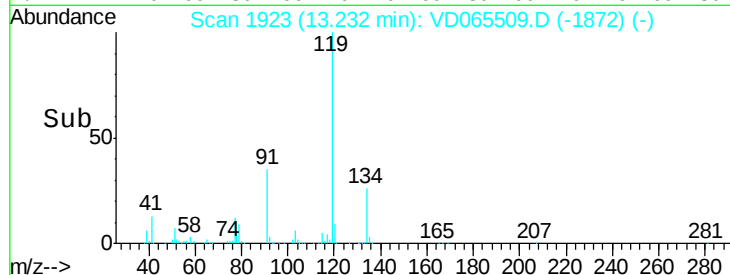
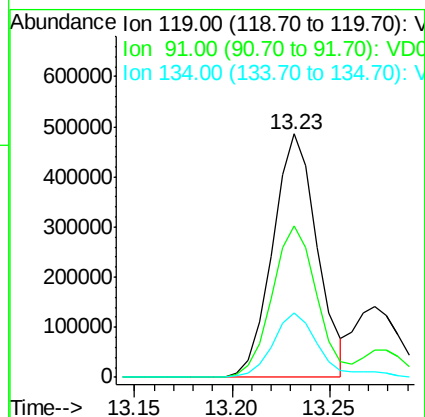
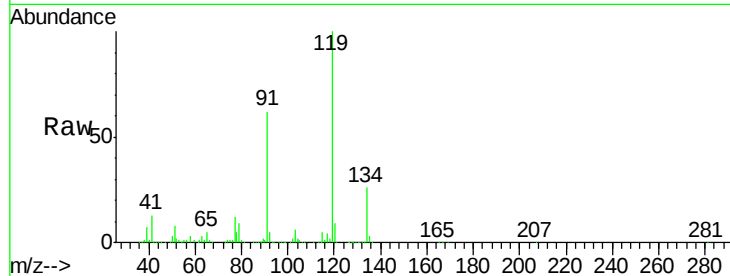
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	767885
Ion Ratio	Lower	Upper	
119	100		
91	62.7	31.6	95.0
134	28.0	14.2	42.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 55.685 ug/l

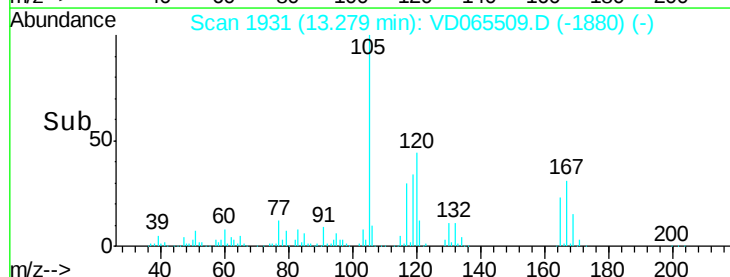
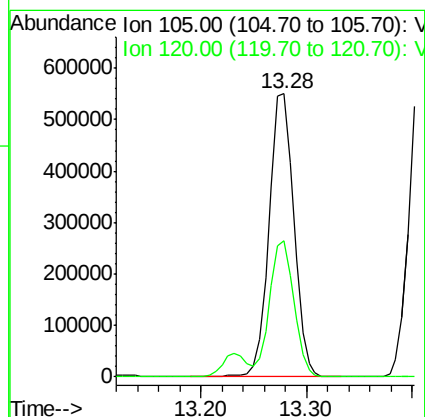
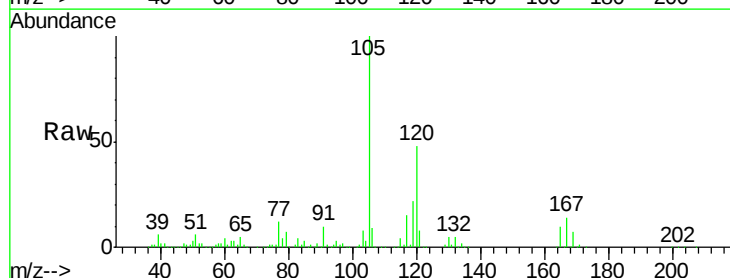
RT: 13.28 min Scan# 1931

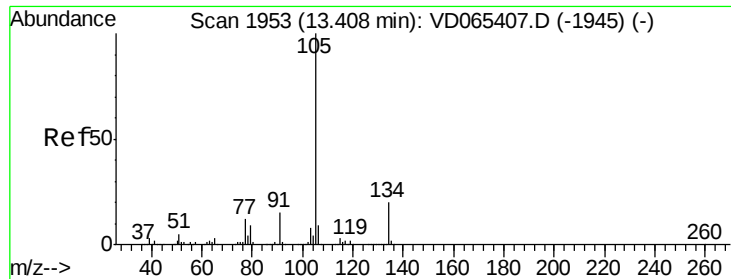
Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Tgt Ion:	105	Resp:	895083
Ion Ratio	Lower	Upper	
105	100		
120	47.0	23.4	70.3





#85

sec-Butylbenzene

Concen: 55.831 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1099453

Ion Ratio Lower Upper

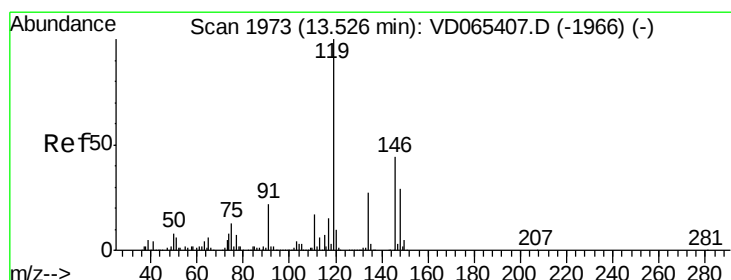
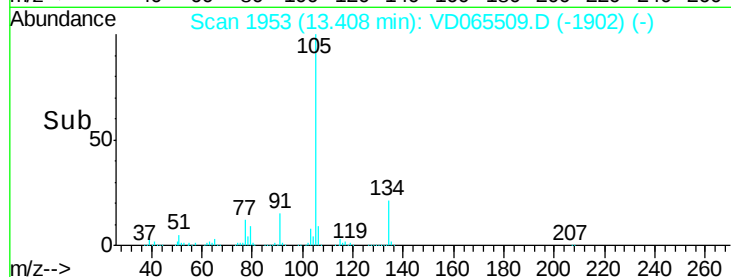
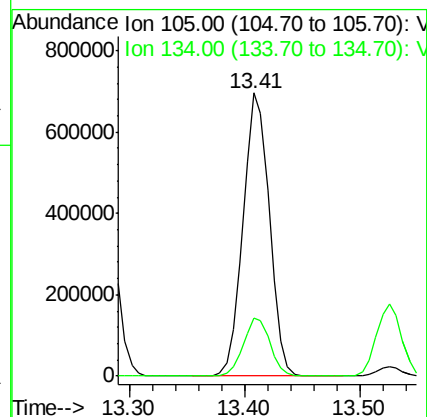
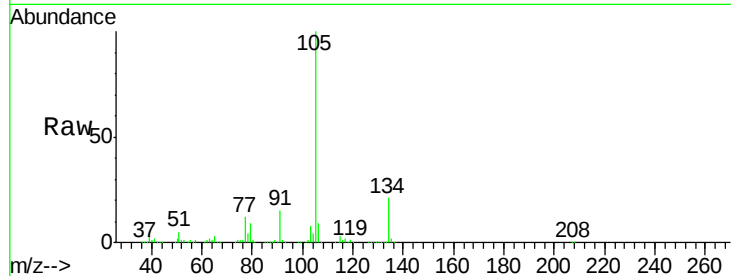
105 100

134 20.7 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 56.169 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065509.D

Acq: 16 Mar 2020 12:49

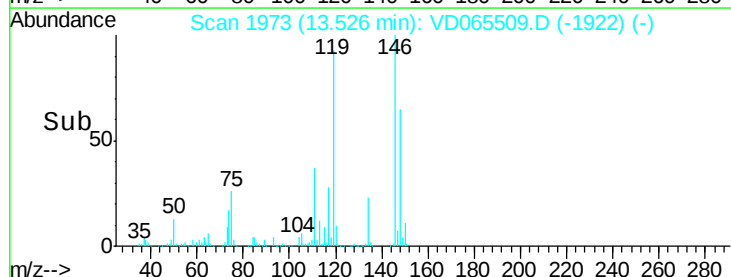
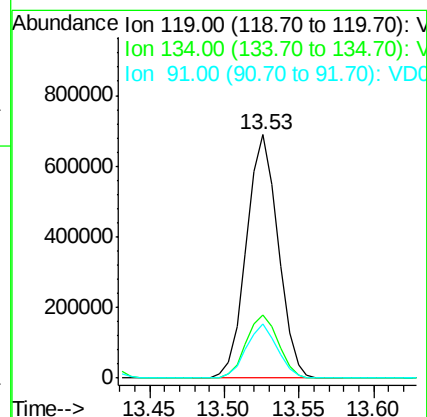
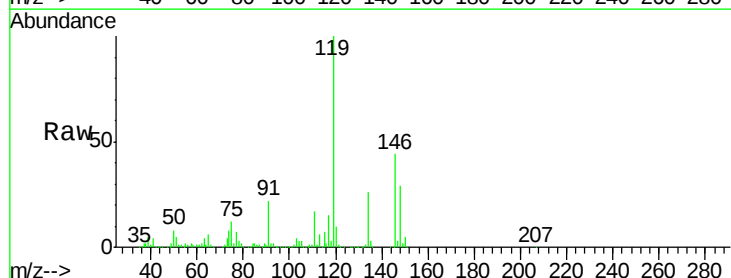
Tgt Ion:119 Resp: 1009321

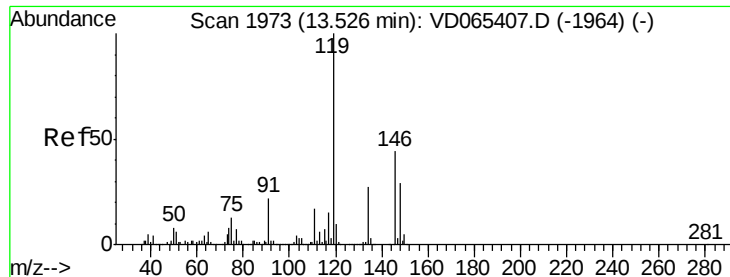
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 21.7 10.9 32.6





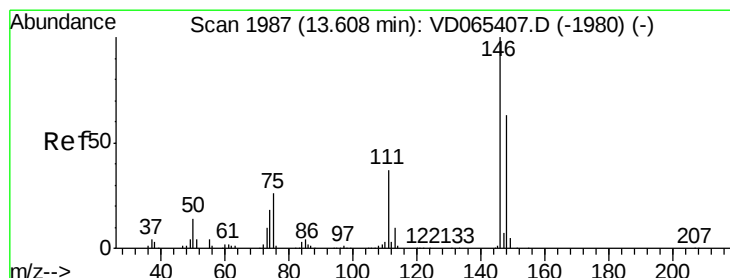
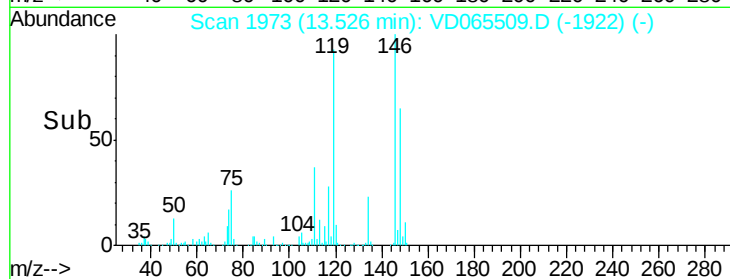
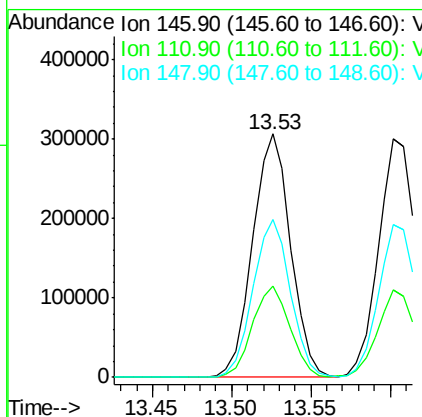
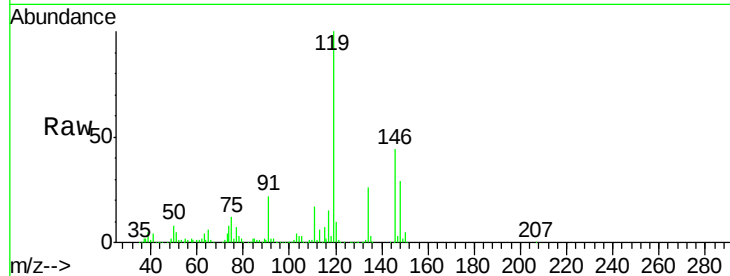
#87
 1,3-Dichlorobenzene
 Concen: 53.858 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065509.D
 Acq: 16 Mar 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.0	19.1	57.1	
148	64.0	32.3	96.8	

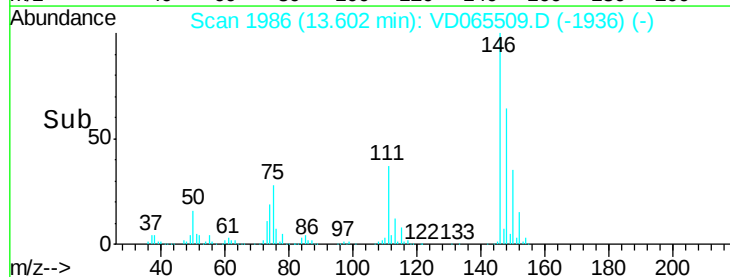
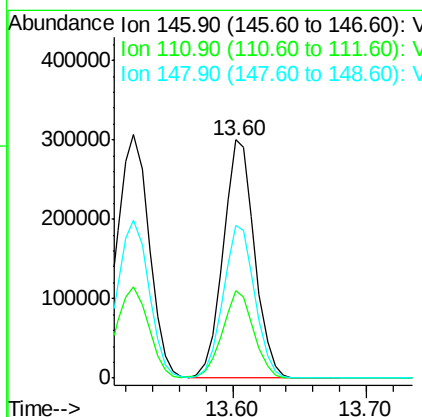
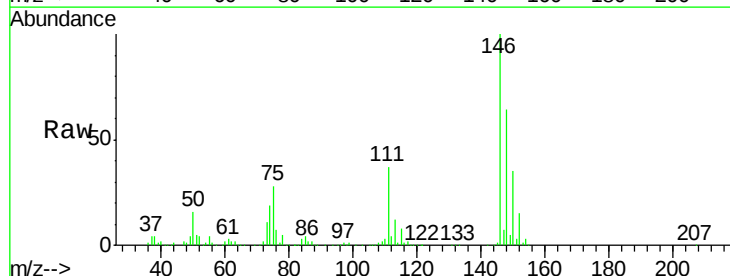
Manual Integrations
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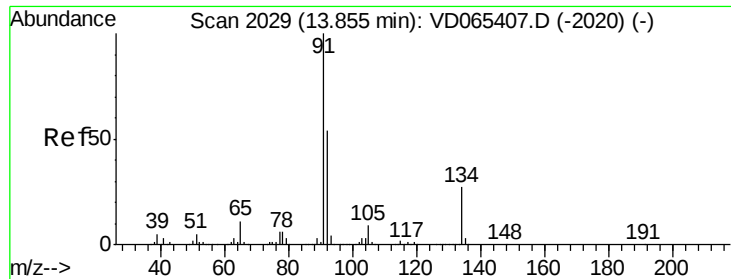
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 3/17/2020 12:09:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.279 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065509.D
 Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	36.8	18.5	55.5	
148	64.6	32.0	96.0	





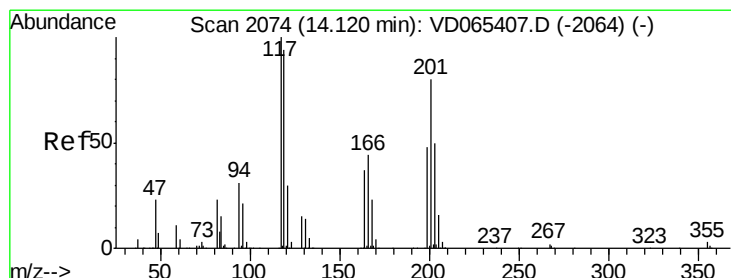
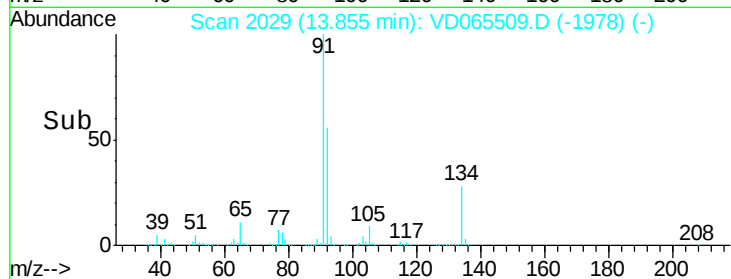
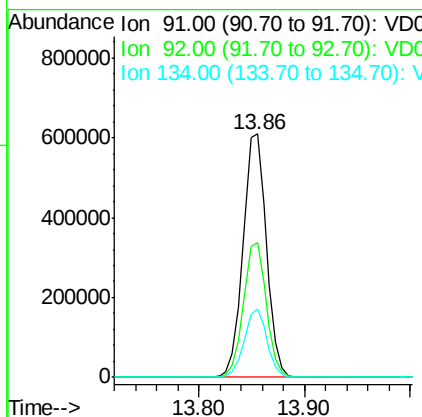
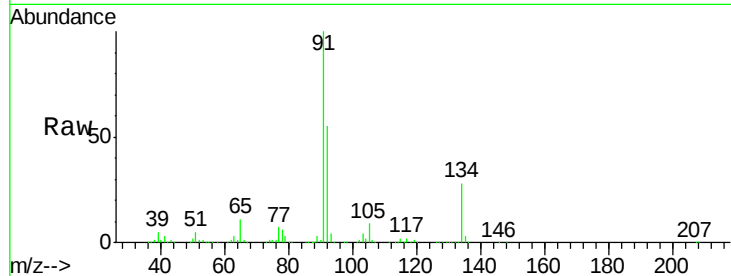
#89
n-Butylbenzene
Concen: 56.034 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		930864		
92	54.3	26.8	80.4		
134	27.2	13.4	40.2		

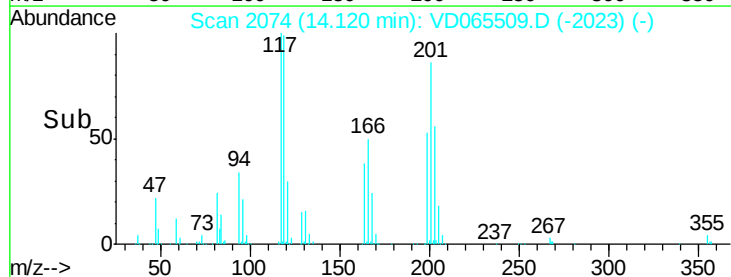
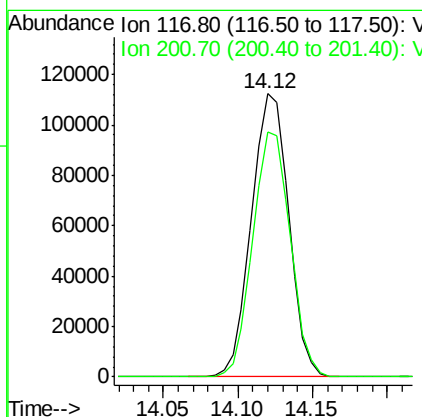
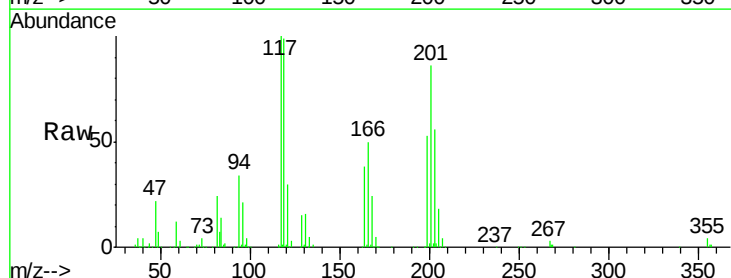
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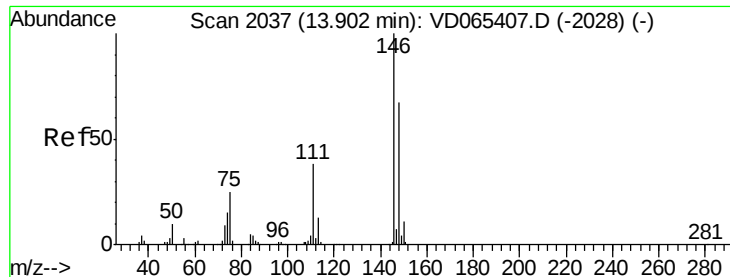
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#90
Hexachloroethane
Concen: 52.532 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		194397		
201	86.7	41.9	125.6		





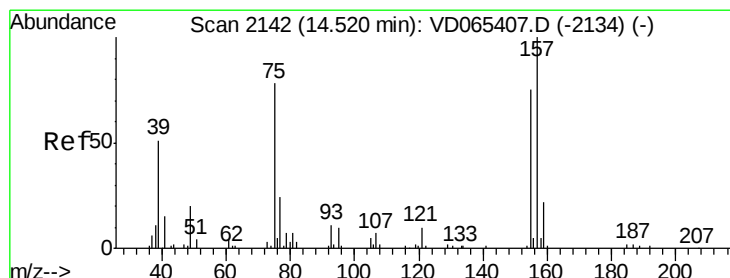
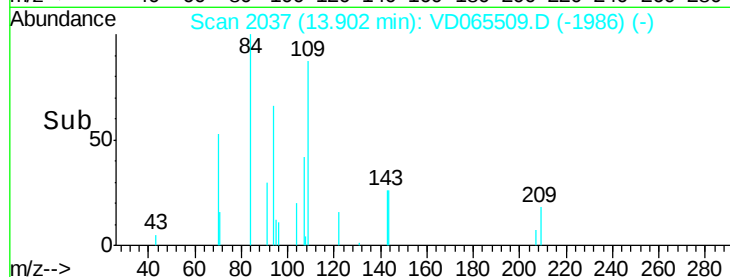
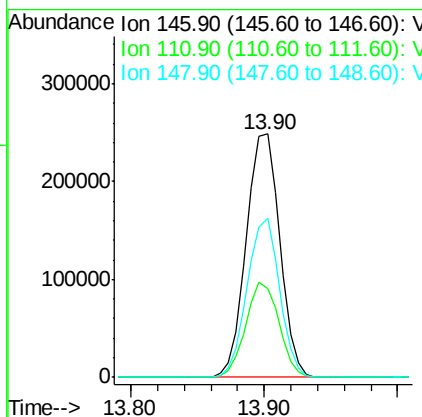
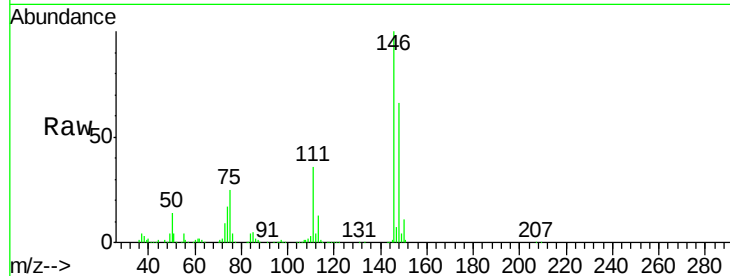
#91
 1,2-Dichlorobenzene
 Concen: 53.578 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065509.D
 Acq: 16 Mar 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	431990		
111	38.6	19.8	59.3	
148	63.5	32.6	97.8	

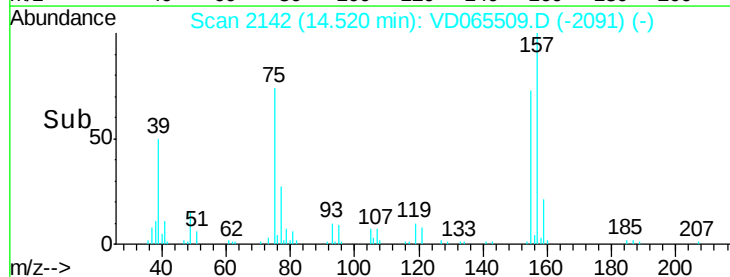
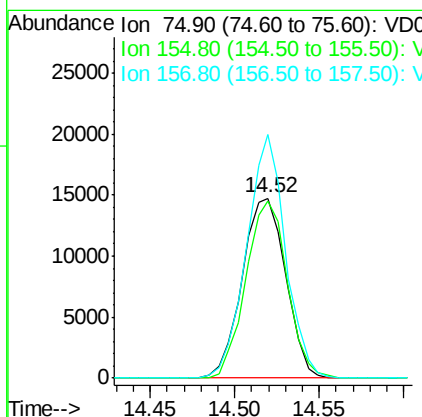
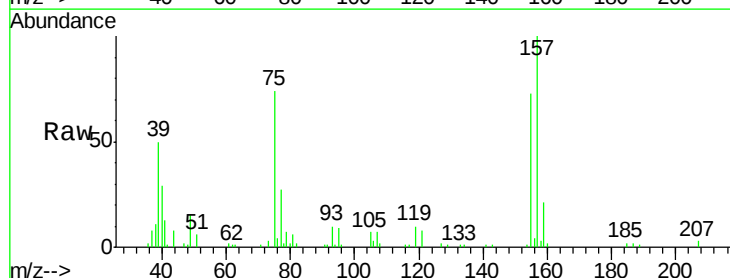
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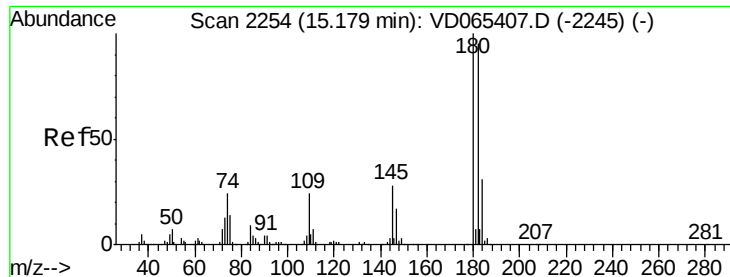
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.778 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065509.D
 Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26432		
155	93.3	46.4	139.1	
157	120.4	60.2	180.4	





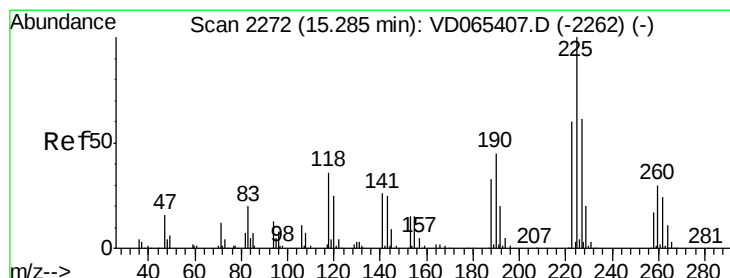
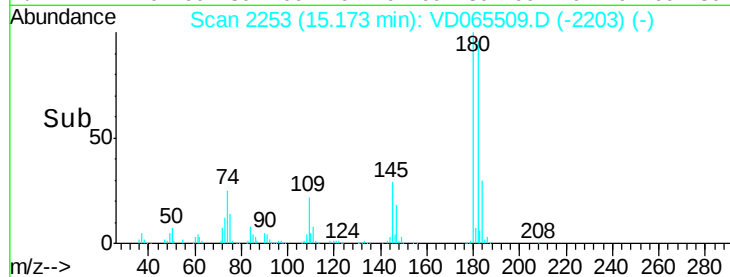
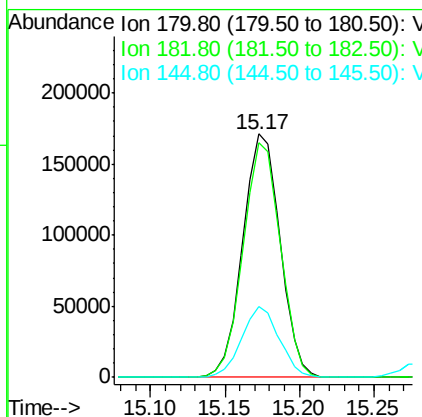
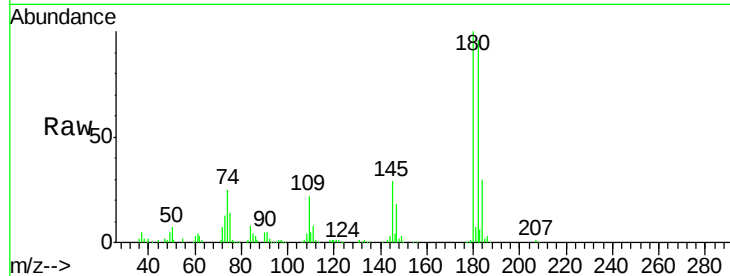
#93
 1,2,4-Trichlorobenzene
 Concen: 54.104 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065509.D
 Acq: 16 Mar 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	295663		
182	96.3	48.3	144.9	
145	29.1	14.4	43.4	

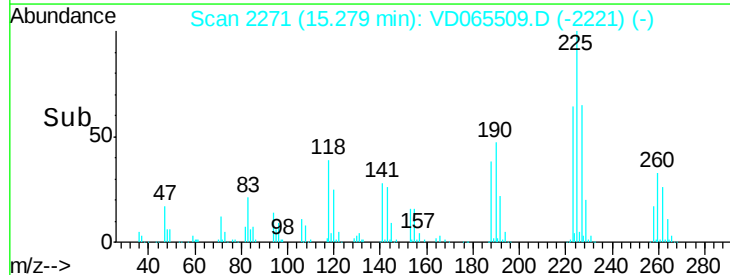
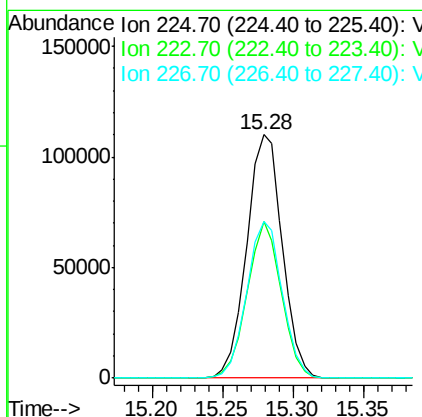
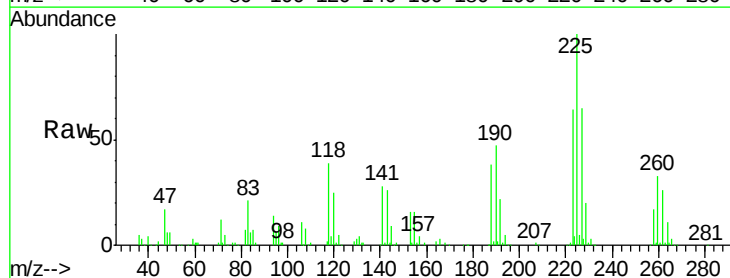
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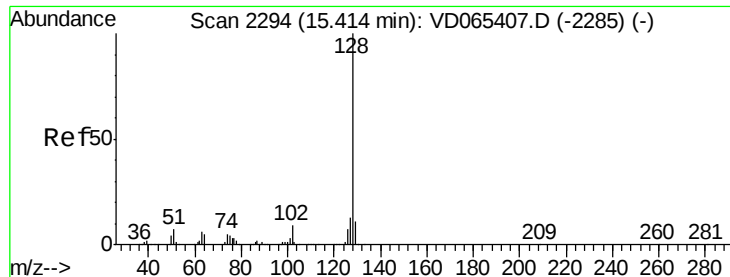
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#94
 Hexachlorobutadiene
 Concen: 54.258 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065509.D
 Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	194826		
223	61.2	30.9	92.5	
227	64.0	31.6	94.7	





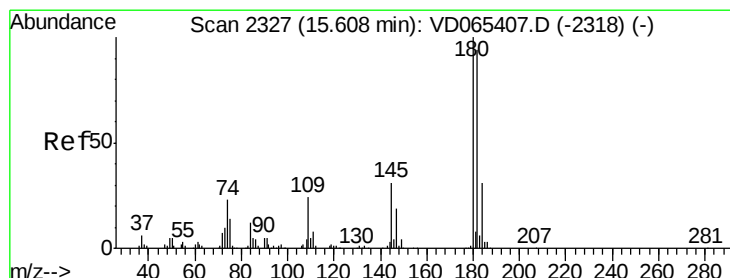
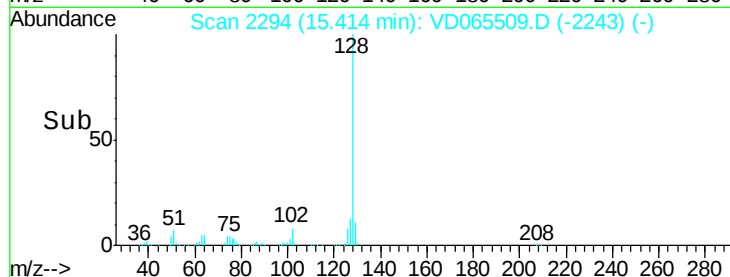
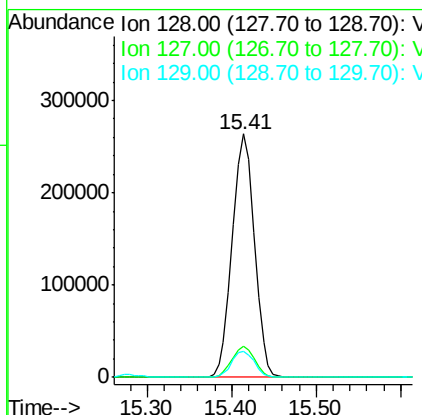
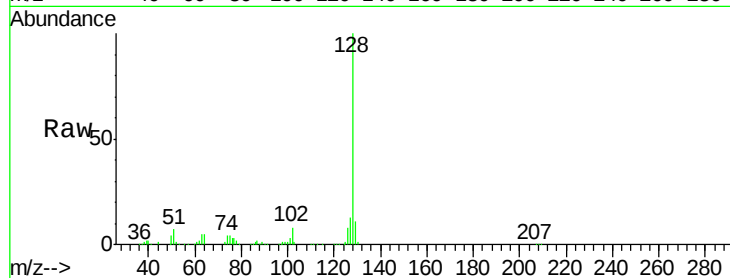
#95
Naphthalene
Concen: 48.968 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 54.074 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065509.D
Acq: 16 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.6
145	29.9	15.0	45.1

