

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031320\
 Data File : VD065507.D
 Acq On : 13 Mar 2020 16:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:05:29 PM

Quant Time: Mar 16 03:38:06 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	473915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	676126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	204106	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	7.92	113	220923	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
50) Toluene-d8	10.34	98	833573	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.64	95	273604	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	159900	39.259	ug/l	99
3) Chloromethane	2.21	50	195994	39.858	ug/l	98
4) Vinyl Chloride	2.35	62	203724	42.003	ug/l	97
5) Bromomethane	2.77	94	135575	49.873	ug/l	100
6) Chloroethane	2.92	64	130729	44.008	ug/l	99
7) Trichlorofluoromethane	3.27	101	316995	44.355	ug/l	98
8) Diethyl Ether	3.71	74	100048	47.075	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	210234	45.675	ug/l	98
10) Methyl Iodide	4.29	142	233126	48.752	ug/l	99
11) Tert butyl alcohol	5.25	59	56605	242.752	ug/l	100
12) 1,1-Dichloroethene	4.06	96	198311	44.994	ug/l	96
13) Acrolein	3.92	56	89620	222.853	ug/l	98
14) Allyl chloride	4.71	41	304664	44.998	ug/l	99
15) Acrylonitrile	5.43	53	217091	234.795	ug/l	99
16) Acetone	4.16	43	170452	207.323	ug/l	98
17) Carbon Disulfide	4.40	76	608518	41.459	ug/l	100
18) Methyl Acetate	4.72	43	95262	45.678	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	418807	49.412	ug/l	100
20) Methylene Chloride	4.97	84	228030	51.153	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	223967	45.680	ug/l	97
22) Diisopropyl ether	6.37	45	634664	50.425	ug/l	99
23) Vinyl Acetate	6.31	43	1769396	253.187	ug/l	99
24) 1,1-Dichloroethane	6.27	63	379178	46.969	ug/l	98
25) 2-Butanone	7.23	43	256551	228.664	ug/l	97
26) 2,2-Dichloropropane	7.21	77	324663	46.020	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	241747	48.238	ug/l	99
28) Bromochloromethane	7.55	49	168463	52.157	ug/l	100
29) Tetrahydrofuran	7.57	42	169970	237.225	ug/l	98
30) Chloroform	7.71	83	390830	48.435	ug/l	98
31) Cyclohexane	7.98	56	350184	43.380	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	346300	46.441	ug/l	99
36) 1,1-Dichloropropene	8.11	75	306530	47.296	ug/l	99
37) Ethyl Acetate	7.30	43	122853	49.042	ug/l	100
38) Carbon Tetrachloride	8.10	117	321307	47.808	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	371149	47.414	ug/l	96
40) Benzene	8.36	78	885325	48.857	ug/l	100
41) Methacrylonitrile	7.53	41	68713	51.867	ug/l	89
42) 1,2-Dichloroethane	8.43	62	233300	49.304	ug/l	100
43) Isopropyl Acetate	8.46	43	226057	48.873	ug/l	98
44) Trichloroethene	9.11	130	251580	49.161	ug/l	96
45) 1,2-Dichloropropane	9.39	63	219637	50.037	ug/l	99
46) Dibromomethane	9.48	93	113406	49.809	ug/l	97
47) Bromodichloromethane	9.67	83	299452	50.555	ug/l	97
48) Methyl methacrylate	9.46	41	105889	48.668	ug/l	98
49) 1,4-Dioxane	9.47	88	23892	917.379	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	600289	257.900	ug/l	100
52) Toluene	10.41	92	575168	50.385	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	283312	51.182	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	340839	50.870	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	160435	49.751	ug/l	99
56) Ethyl methacrylate	10.67	69	191653	52.718	ug/l	100
57) 1,3-Dichloropropane	10.95	76	278568	51.055	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	270219	237.927	ug/l	100
59) 2-Hexanone	10.99	43	404978	251.342	ug/l	98
60) Dibromochloromethane	11.14	129	211542	51.176	ug/l	99
61) 1,2-Dibromoethane	11.25	107	156027	50.725	ug/l	98
64) Tetrachloroethene	10.88	164	215502	47.733	ug/l	98
65) Chlorobenzene	11.67	112	602899	48.356	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	227736	50.152	ug/l	98
67) Ethyl Benzene	11.75	91	1070927	49.710	ug/l	99
68) m/p-Xylenes	11.86	106	830339	99.959	ug/l	99
69) o-Xylene	12.18	106	371382	50.826	ug/l	100
70) Styrene	12.20	104	664477	51.670	ug/l	100
71) Bromoform	12.37	173	125961	49.384	ug/l #	100
73) Isopropylbenzene	12.48	105	1024436	49.698	ug/l	100
74) N-amyl acetate	12.30	43	204625	48.489	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	170079	46.940	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	113129m	45.747	ug/l	
77) Bromobenzene	12.77	156	250882	48.987	ug/l	99
78) n-propylbenzene	12.83	91	1210579	49.497	ug/l	100
79) 2-Chlorotoluene	12.91	91	668977	48.533	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	839370	49.531	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	56745	48.424	ug/l	99
82) 4-Chlorotoluene	13.01	91	711747	49.138	ug/l	99
83) tert-Butylbenzene	13.23	119	717556	50.050	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	841891	50.400	ug/l	100
85) sec-Butylbenzene	13.41	105	1007840	49.248	ug/l	99
86) p-Isopropyltoluene	13.53	119	932548	49.939	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	474286	48.170	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	470639	48.052	ug/l	99
89) n-Butylbenzene	13.85	91	853485	49.438	ug/l	98
90) Hexachloroethane	14.12	117	182091	47.350	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	409852	48.914	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25847	46.840	ug/l	97

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ClientSampleId :
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	273166	48.101	ug/l	100
94) Hexachlorobutadiene	15.28	225	176964	47.424	ug/l	100
95) Naphthalene	15.41	128	453722	45.282	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	239483	48.800	ug/l	97

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

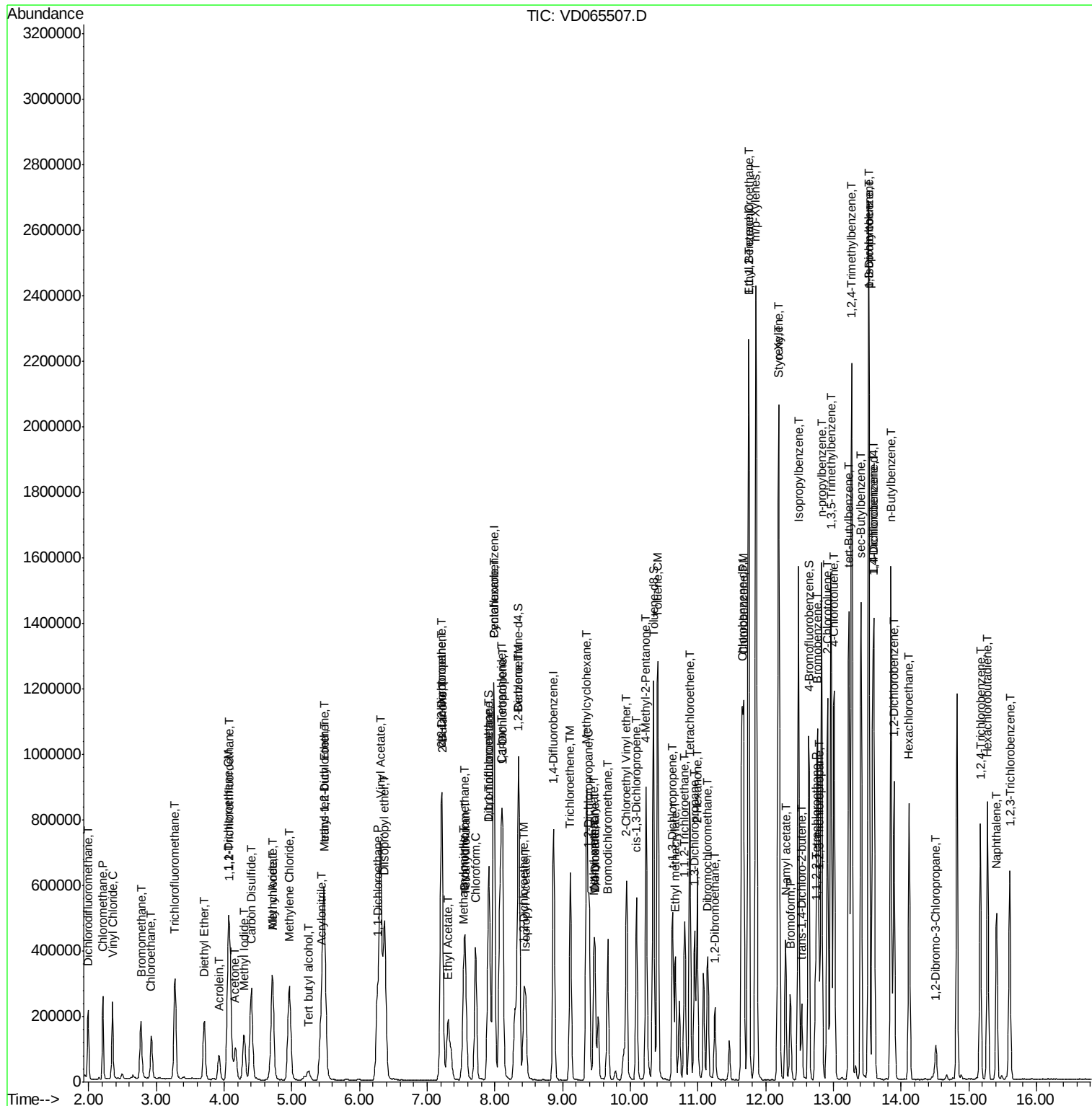
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Data File : VD065507.D
Acq On : 13 Mar 2020 16:46
Operator : VA/SY
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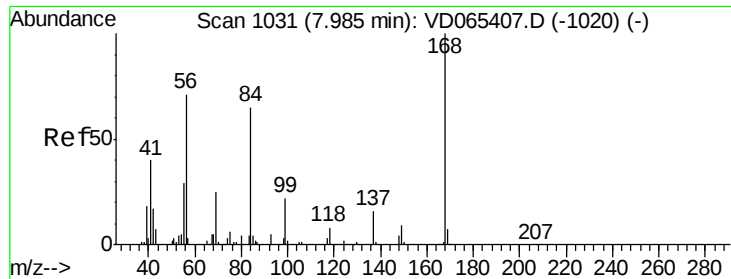
Instrument :
MSVOA_D
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 473915

Ion Ratio Lower Upper

168 100

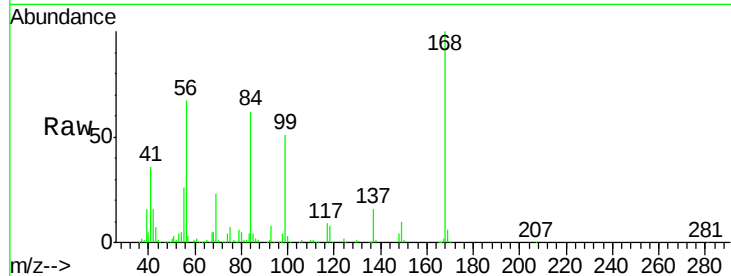
99 51.2 41.5 62.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

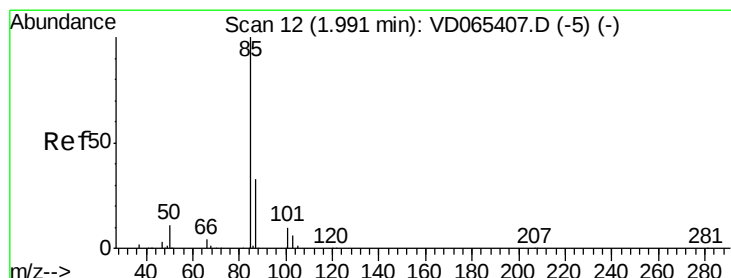
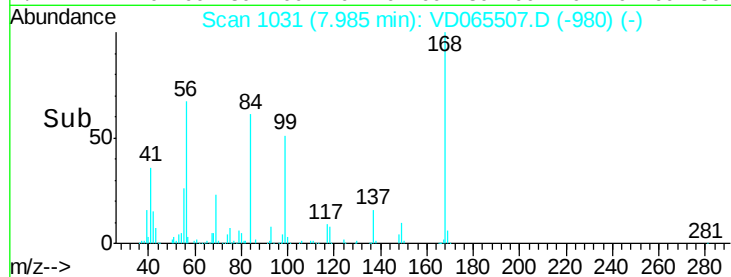
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 39.259 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065507.D

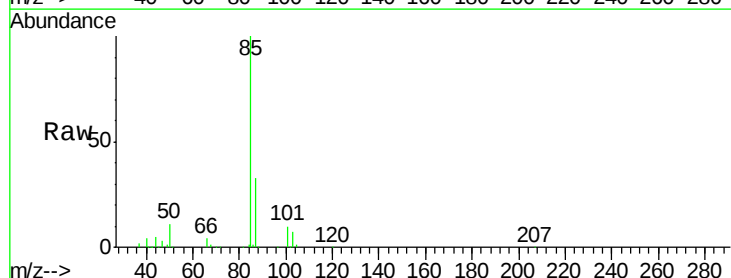
Acq: 13 Mar 2020 16:46

Tgt Ion: 85 Resp: 159900

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

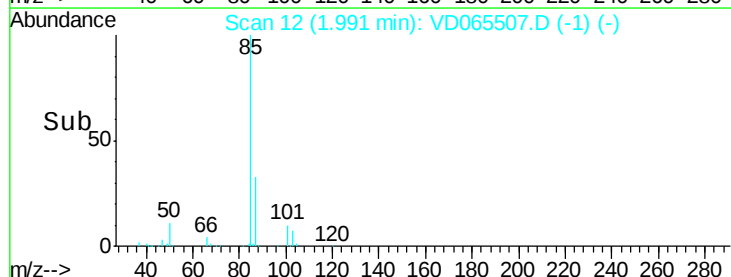
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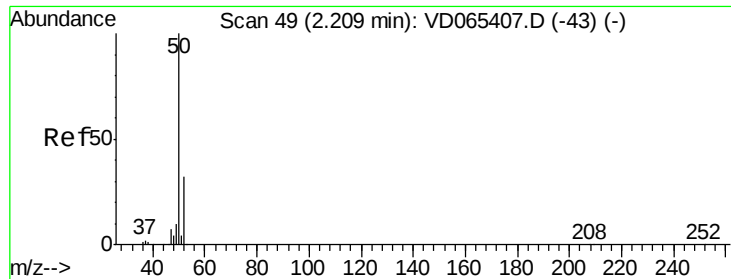
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 39.858 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 195994

Ion Ratio Lower Upper

50 100

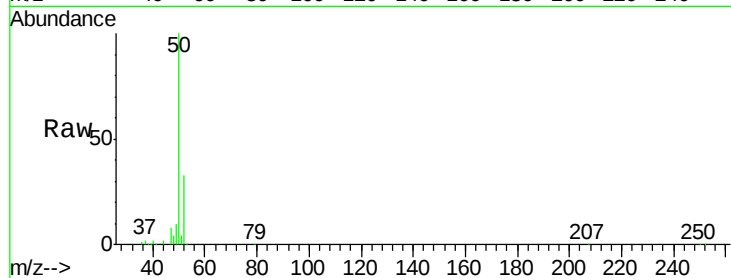
52 33.4 25.8 38.8

Manual Integrations

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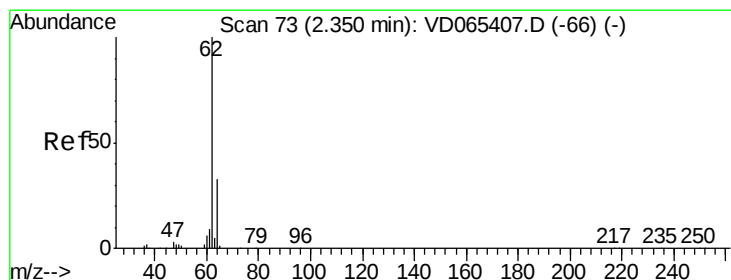
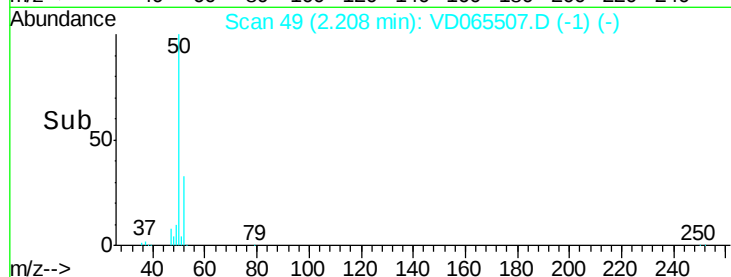
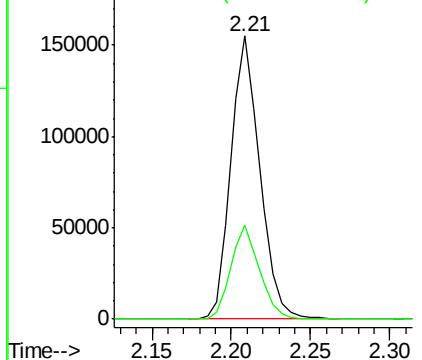
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.003 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065507.D

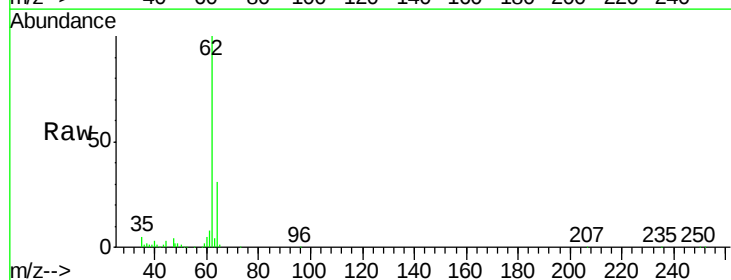
Acq: 13 Mar 2020 16:46

Tgt Ion: 62 Resp: 203724

Ion Ratio Lower Upper

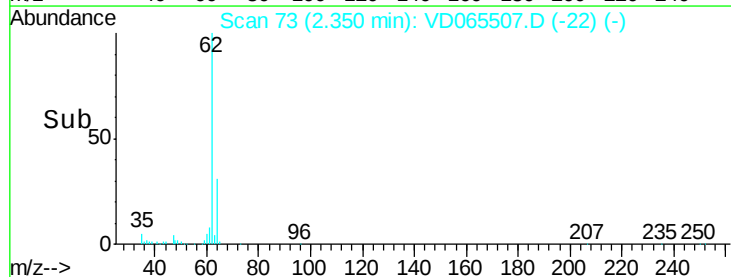
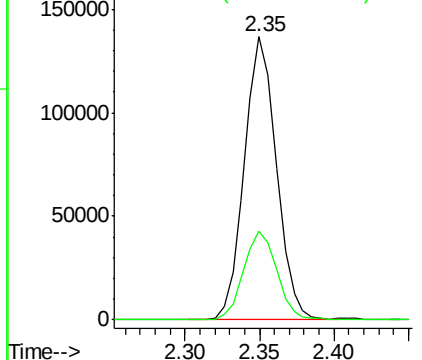
62 100

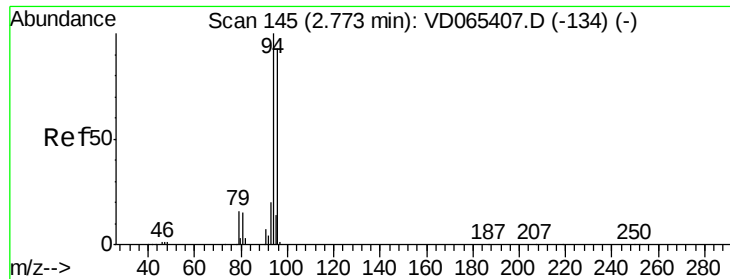
64 31.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.873 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 135575

Ion Ratio Lower Upper

94 100

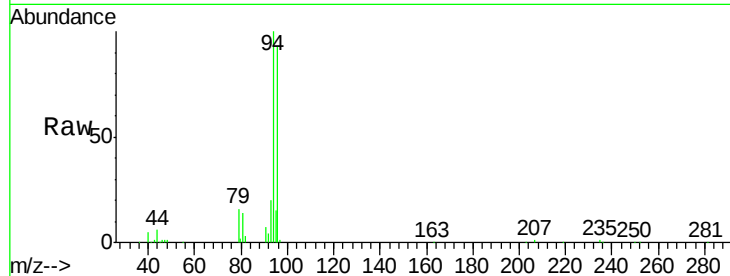
96 92.6 74.4 111.6

Manual Integrations

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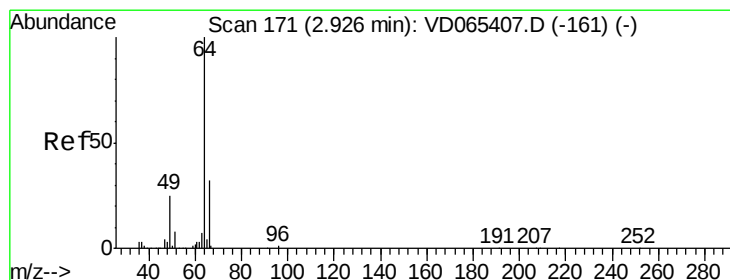
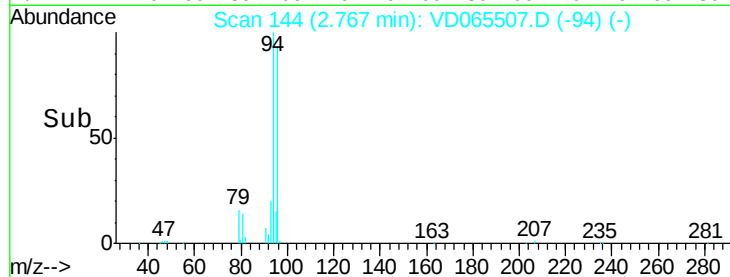
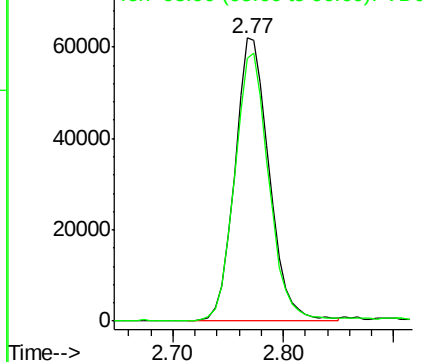
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.008 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065507.D

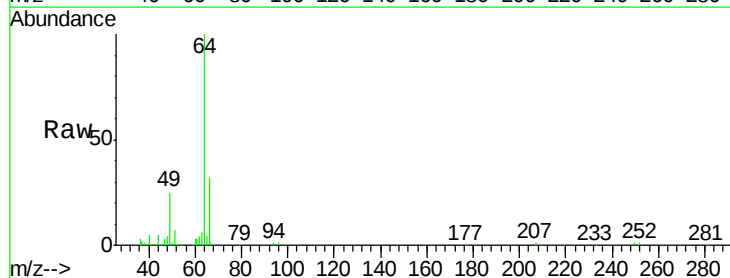
Acq: 13 Mar 2020 16:46

Tgt Ion: 64 Resp: 130729

Ion Ratio Lower Upper

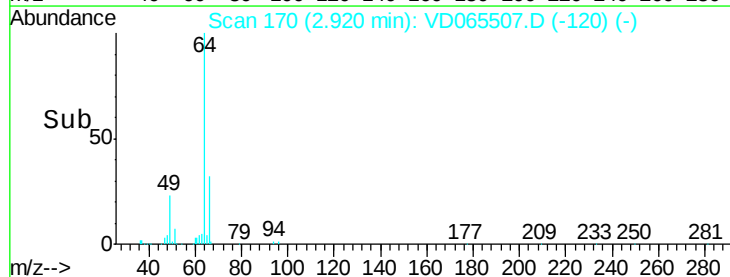
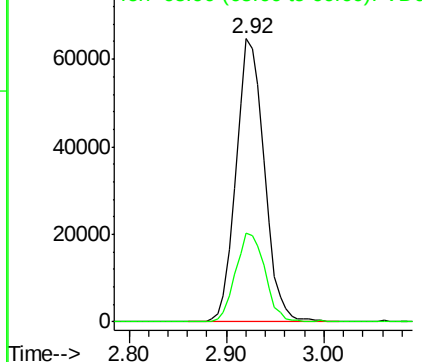
64 100

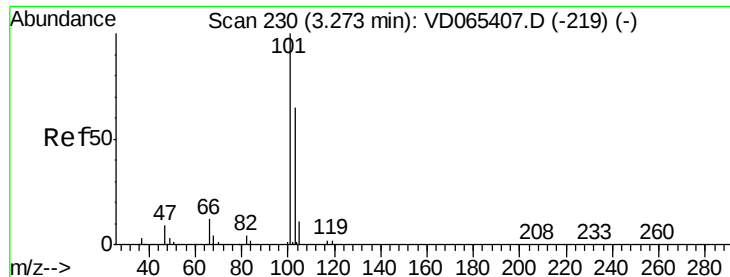
66 31.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

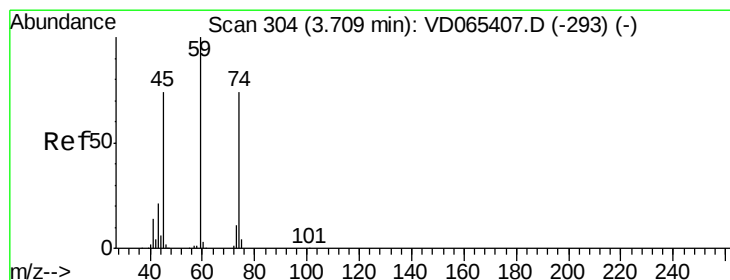
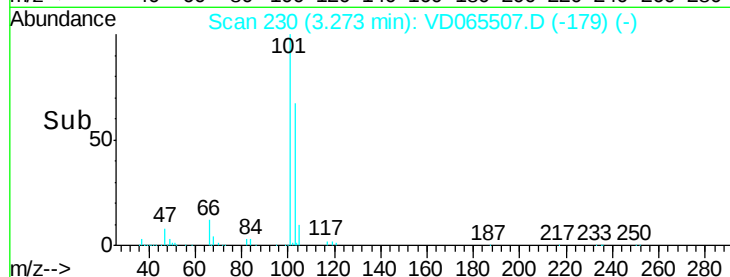
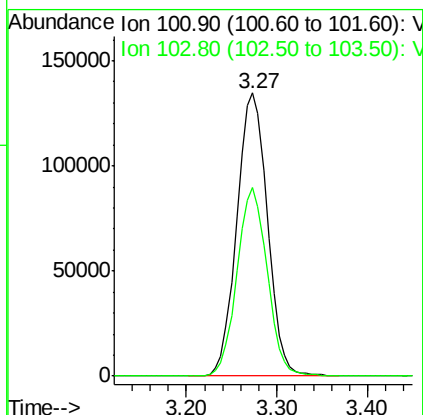
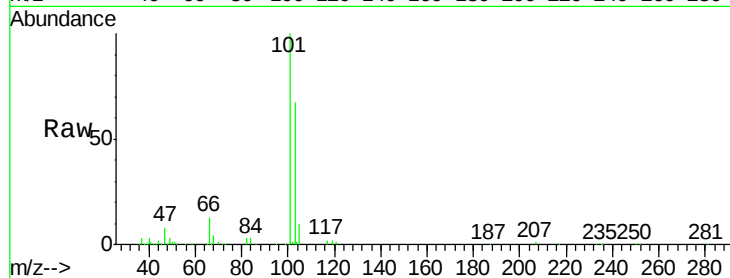
Trichlorofluoromethane
Concen: 44.355 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.1	78.1

Manual Integrations
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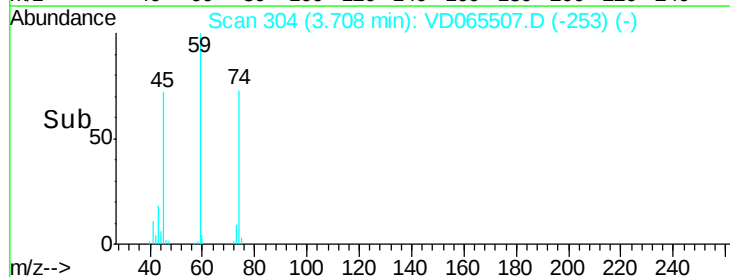
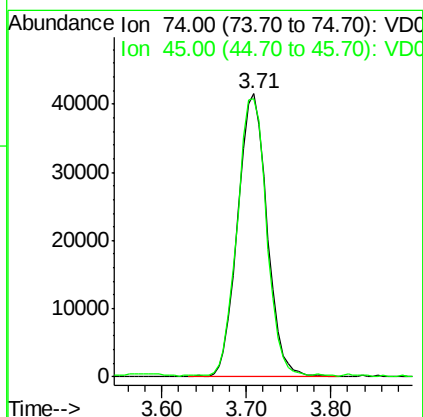
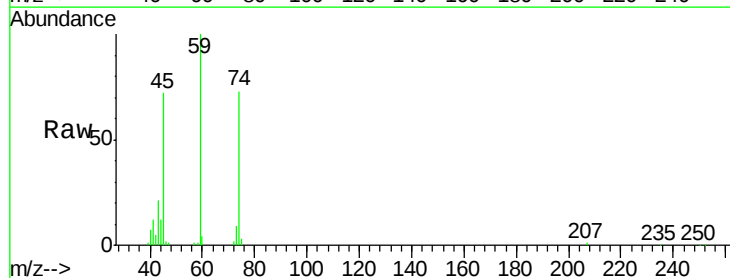
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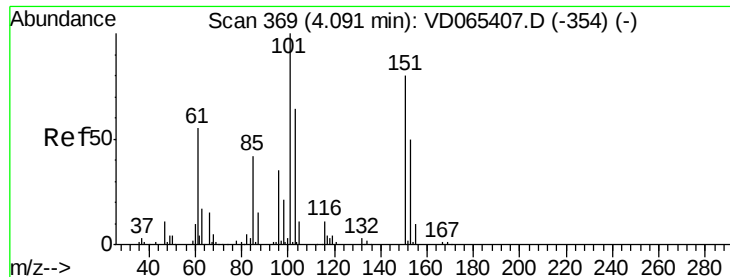


#8

Diethyl Ether
Concen: 47.075 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.675 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

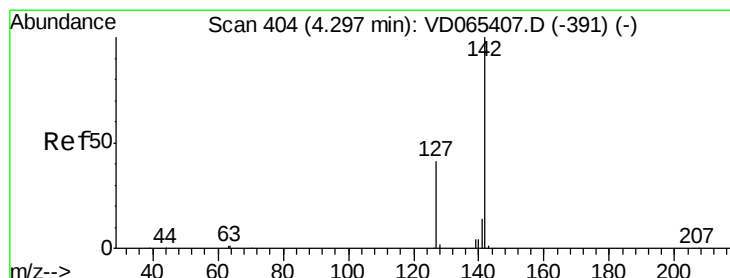
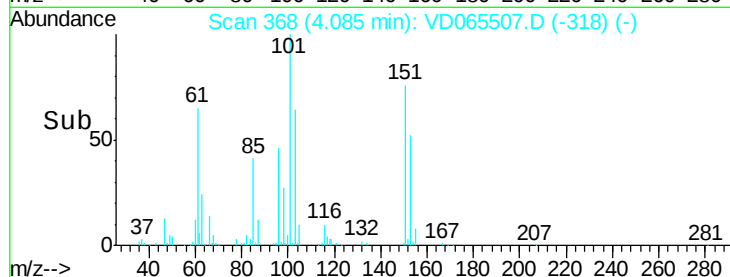
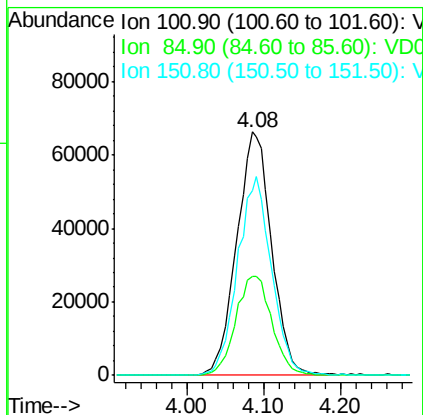
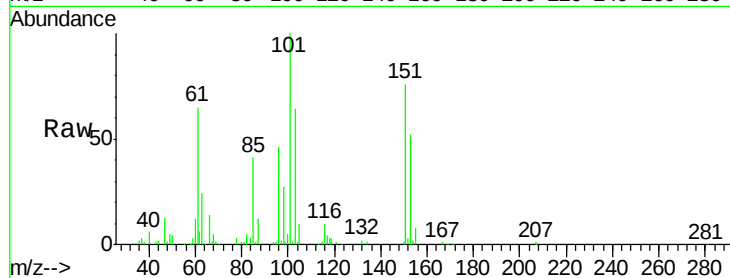
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	210234
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.2
151	79.1	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 48.752 ug/l

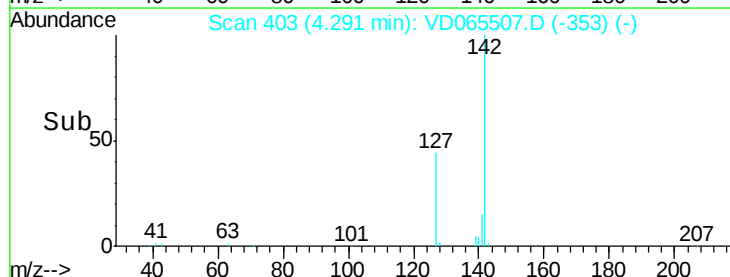
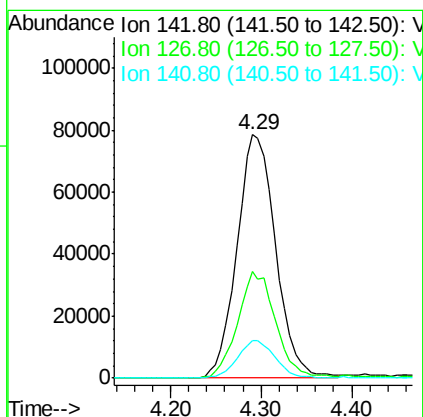
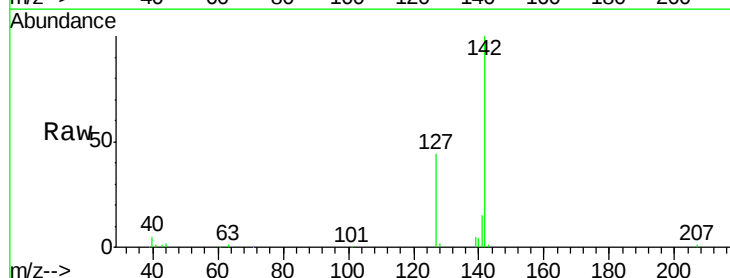
RT: 4.29 min Scan# 403

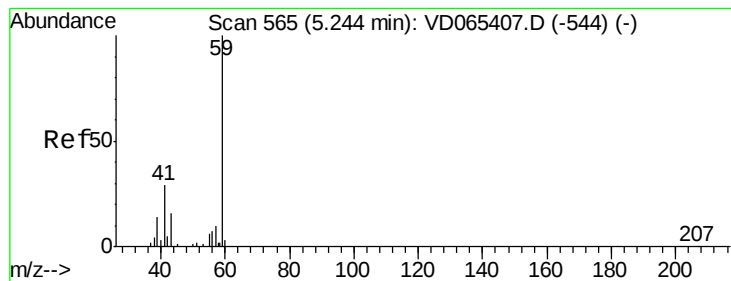
Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Tgt Ion:	142	Resp:	233126
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.0	52.6
141	15.0	12.4	18.6





#11

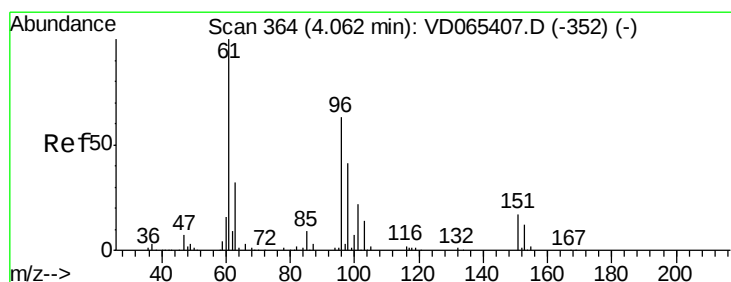
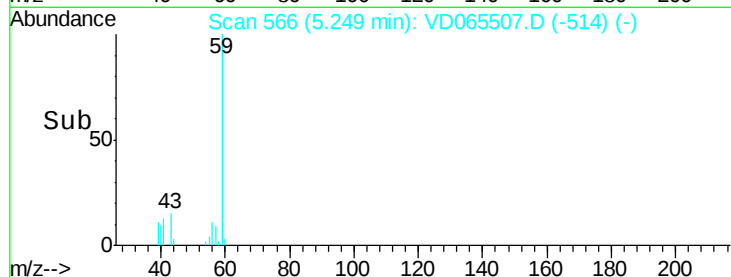
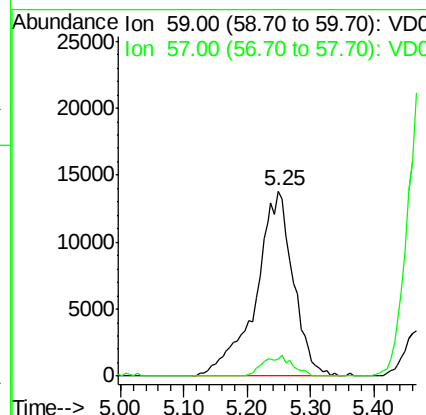
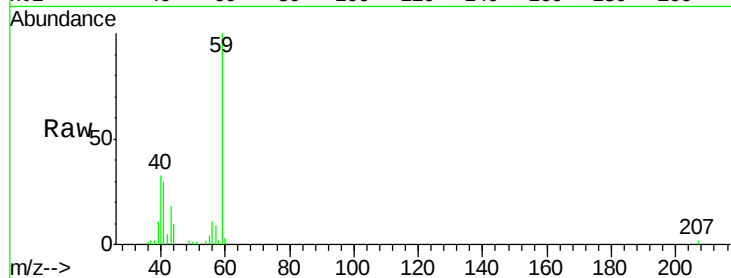
Tert butyl alcohol
Concen: 242.752 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	56605		
57	8.5		6.9	10.3

Manual Integrations
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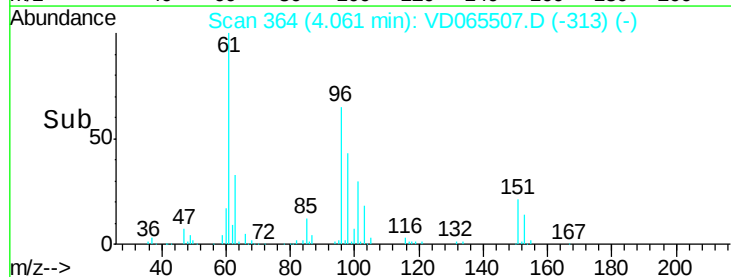
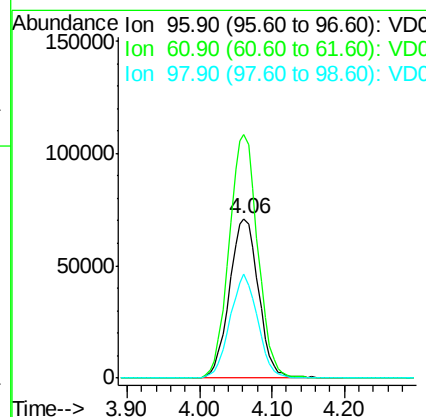
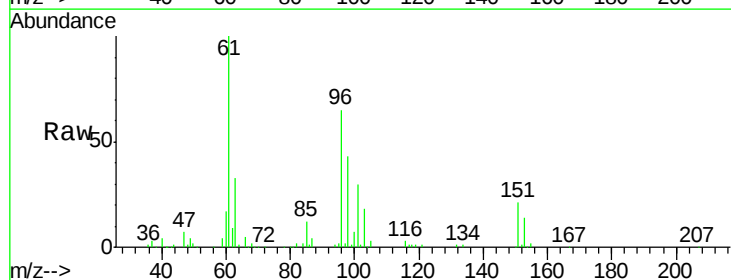
MMDadoda
3/16/2020 2:05:29 PM

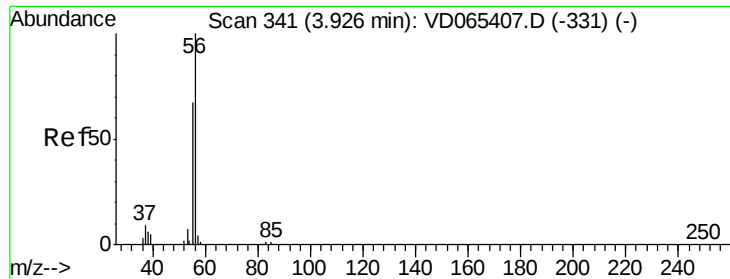


#12

1,1-Dichloroethene
Concen: 44.994 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	198311		
61	152.8		128.0	192.0
98	65.1		51.9	77.9





#13

Acrolein

Concen: 222.853 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 89620

Ion Ratio Lower Upper

56 100

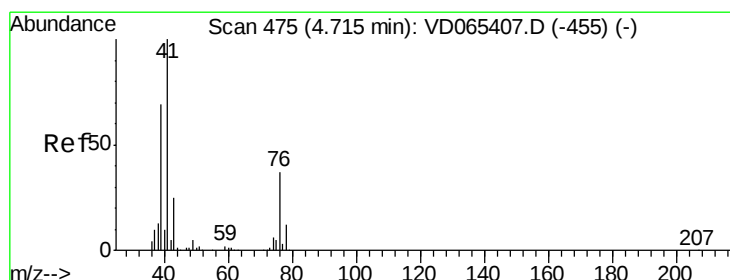
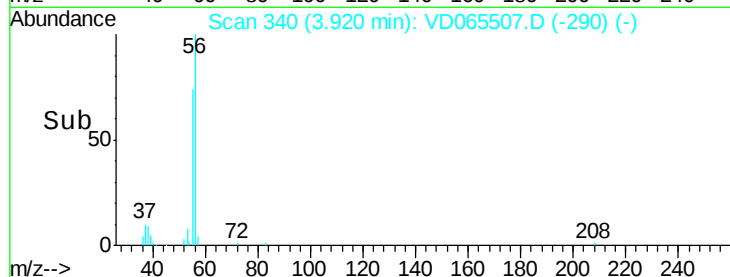
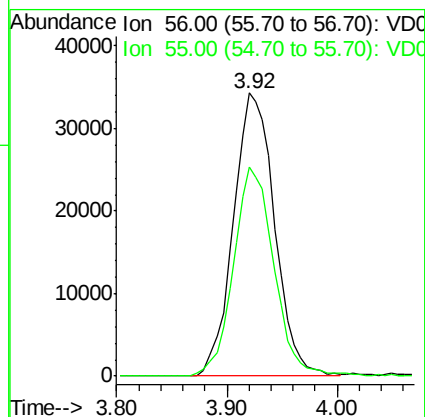
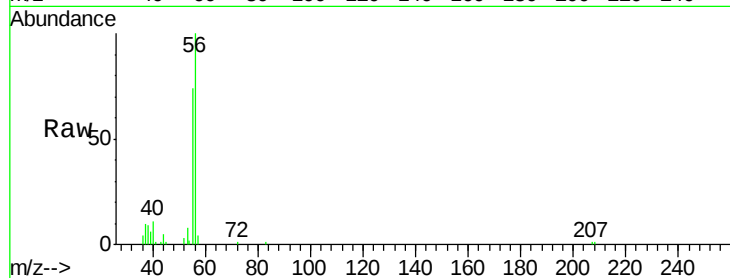
55 72.4 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 44.998 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

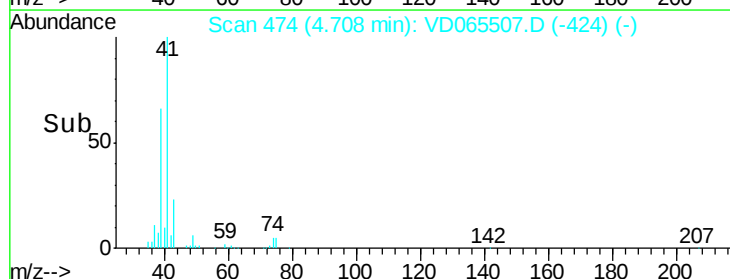
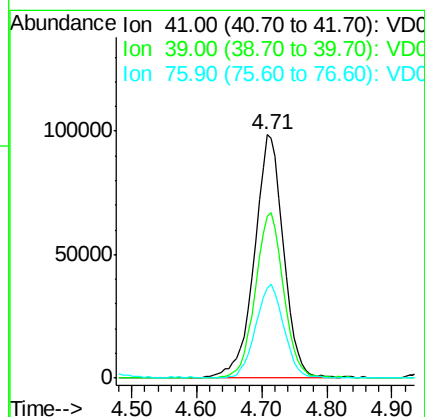
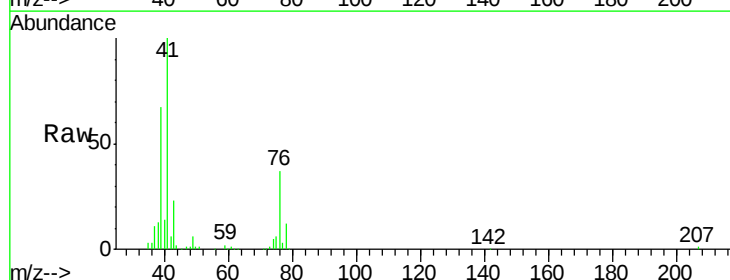
Tgt Ion: 41 Resp: 304664

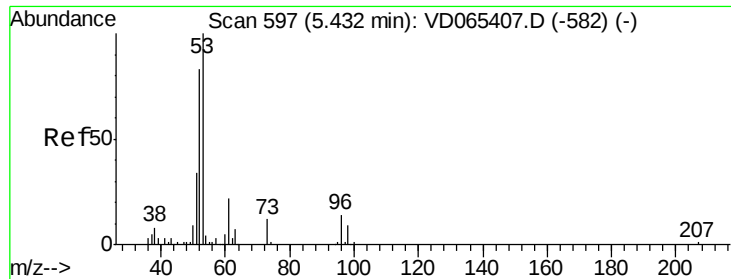
Ion Ratio Lower Upper

41 100

39 66.3 52.6 79.0

76 37.5 29.2 43.8





#15

Acrylonitrile

Concen: 234.795 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

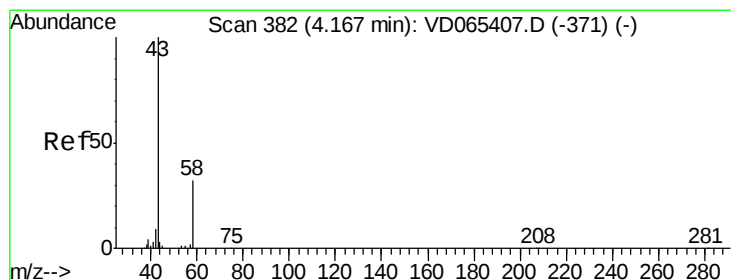
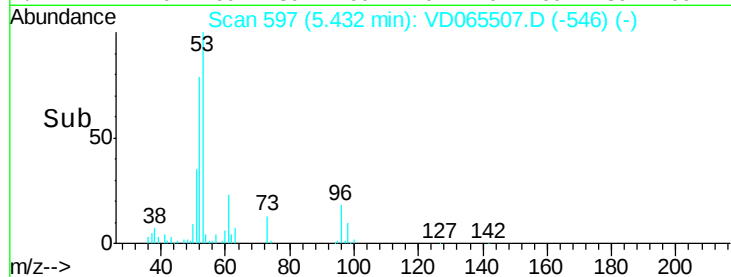
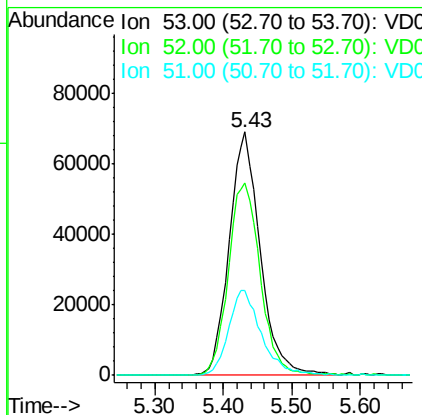
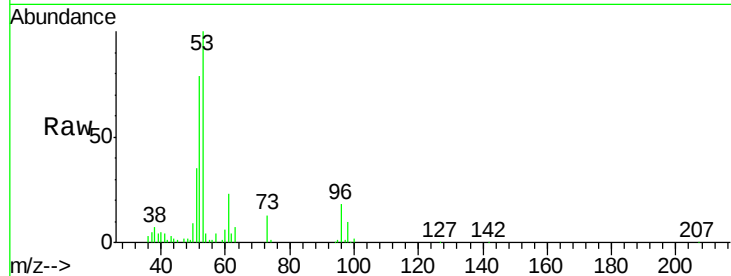
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	217091
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.1	97.7
51	37.1	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 207.323 ug/l

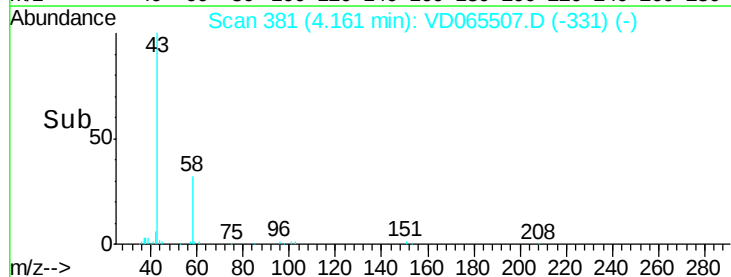
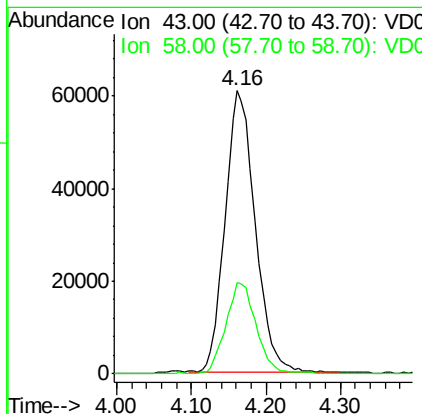
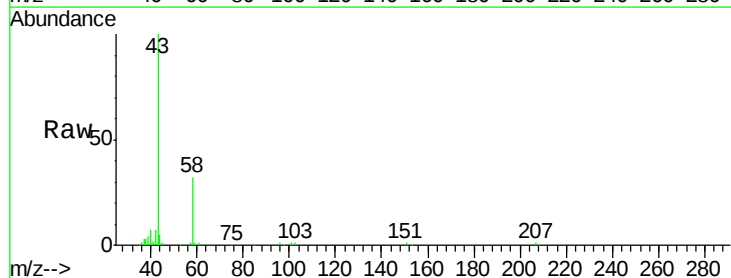
RT: 4.16 min Scan# 381

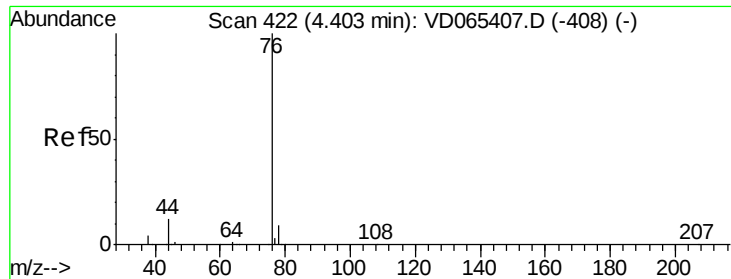
Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Tgt Ion:	43	Resp:	170452
Ion Ratio	Lower	Upper	
43	100		
58	32.4	25.1	37.7





#17

Carbon Disulfide

Concen: 41.459 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 608518

Ion Ratio Lower Upper

76 100

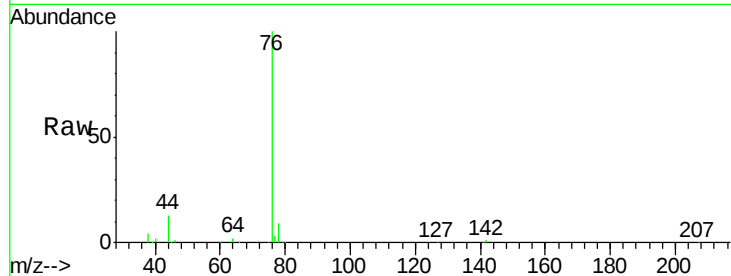
78 9.3 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

250000

200000

150000

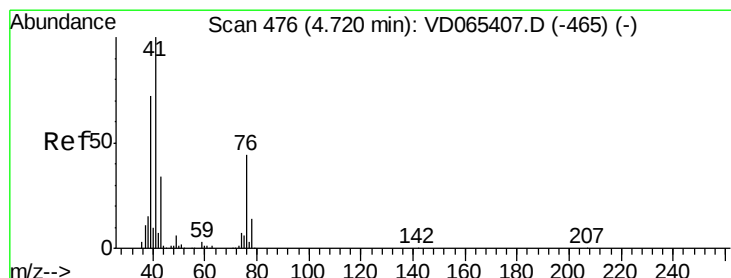
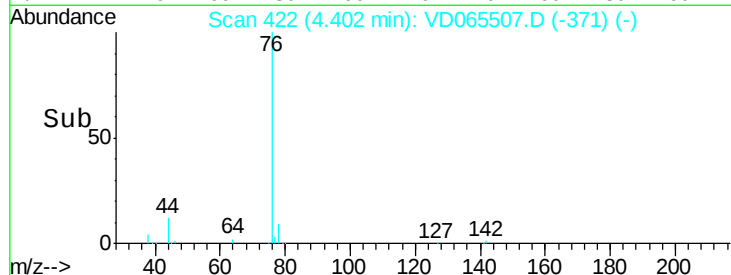
100000

50000

0

4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 45.678 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065507.D

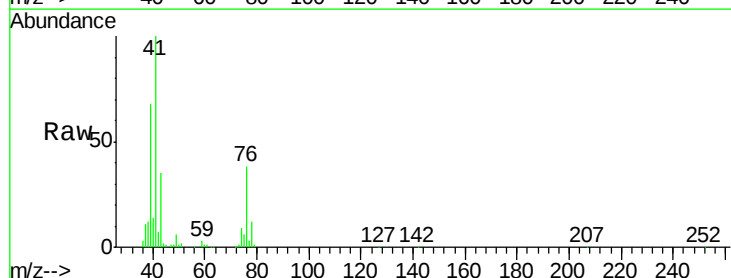
Acq: 13 Mar 2020 16:46

Tgt Ion: 43 Resp: 95262

Ion Ratio Lower Upper

43 100

74 24.0 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

30000

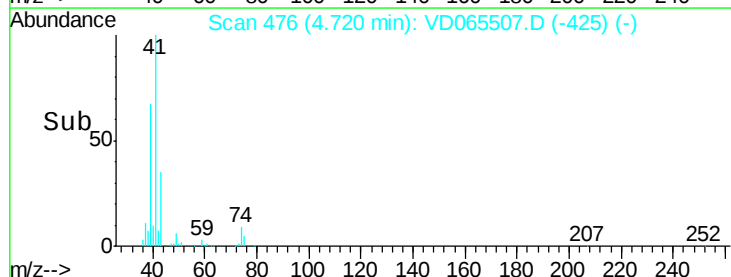
20000

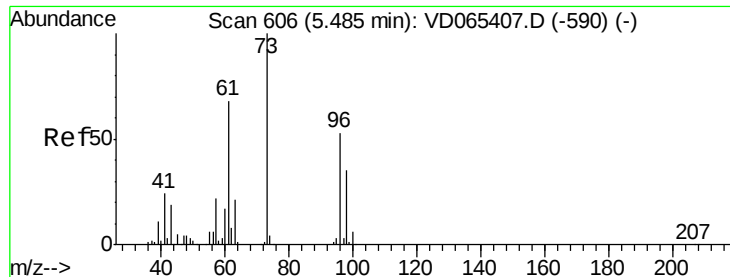
10000

0

4.60 4.70 4.80 4.90

Time-->





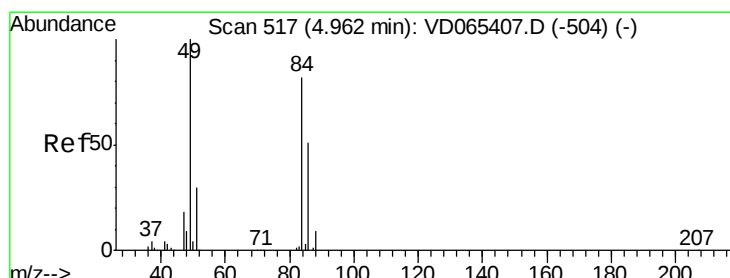
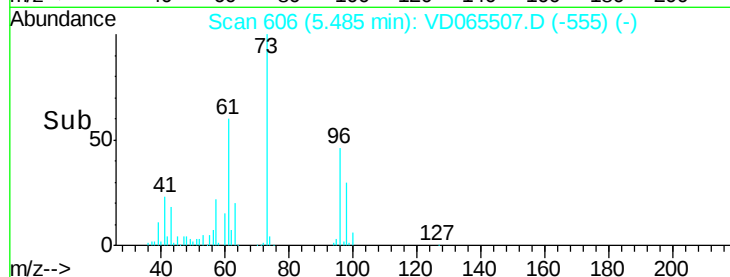
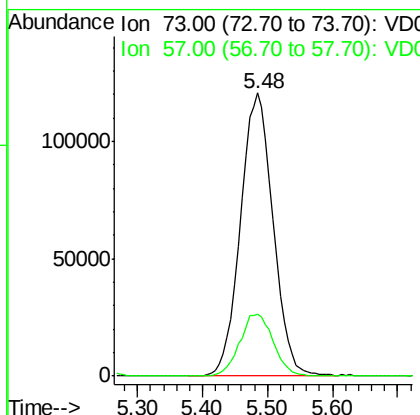
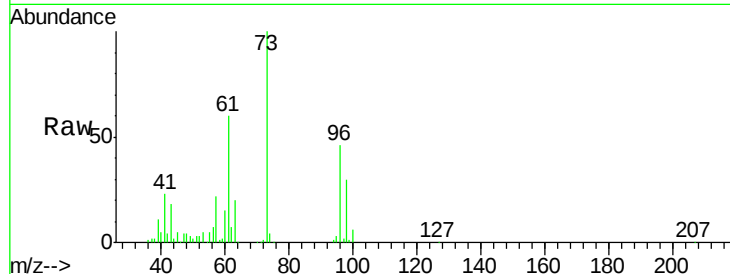
#19
Methvl tert-butvl Ether
Concen: 49.412 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 418807
Ion Ratio Lower Upper
73 100
57 21.8 17.3 25.9

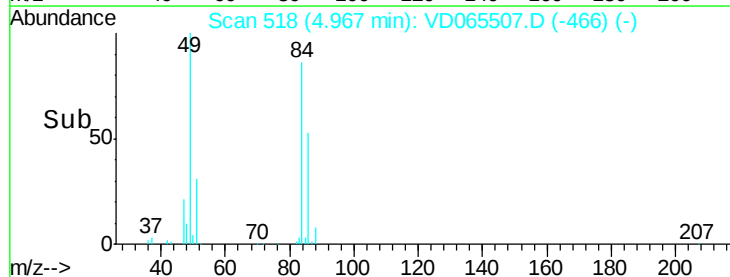
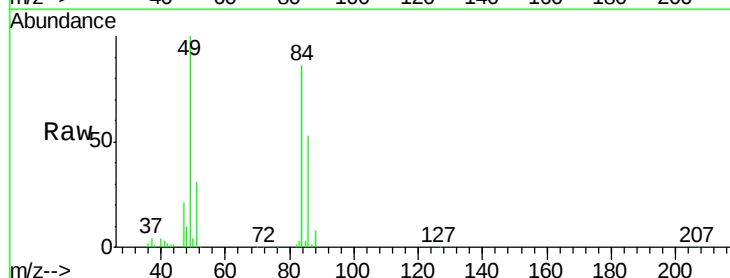
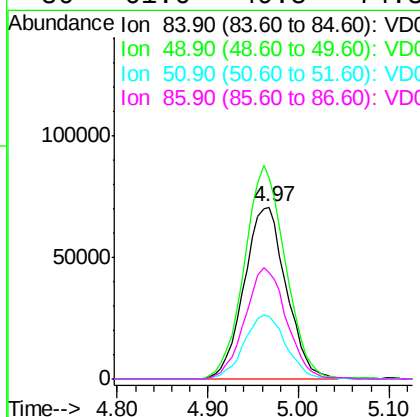
Manual Integrations
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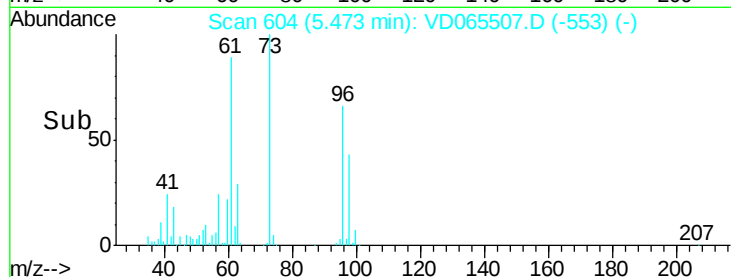
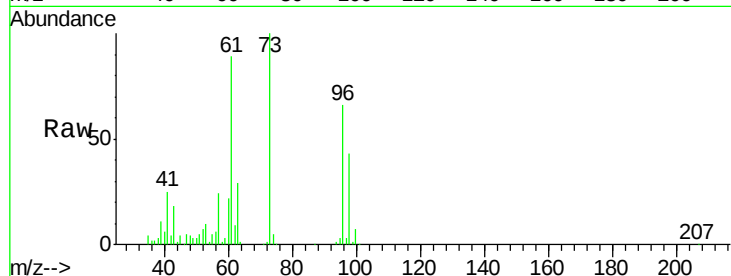
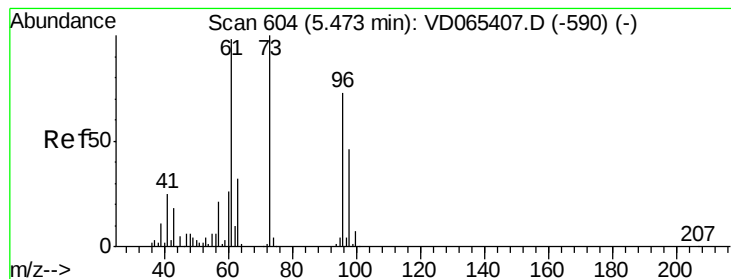
MMDadoda
3/16/2020 2:05:29 PM



#20
Methylene Chloride
Concen: 51.153 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion: 84 Resp: 228030
Ion Ratio Lower Upper
84 100
49 116.7 97.7 146.5
51 36.6 28.8 43.2
86 61.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 45.680 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065507.D

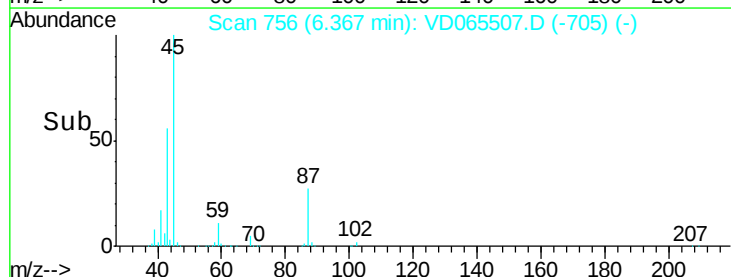
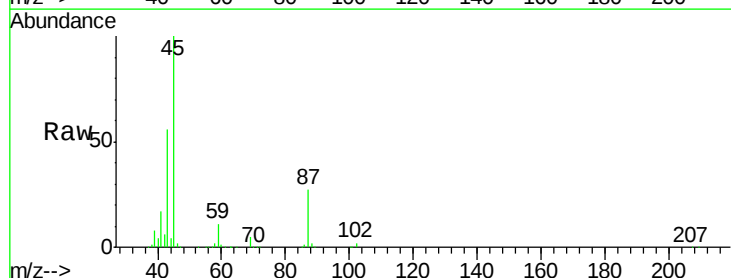
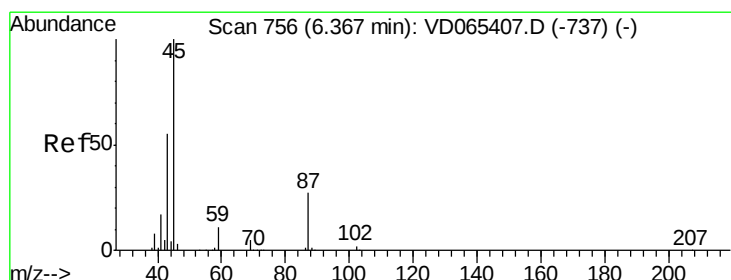
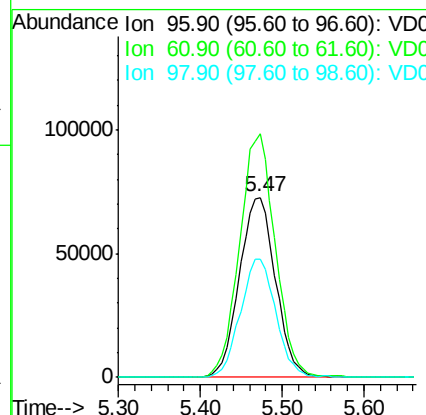
Acq: 13 Mar 2020 16:46

Tot Ion:	96	Resp:	223967
Ion	Ratio	Lower	Upper
96	100		
61	135.6	106.3	159.5
98	65.7	50.2	75.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.425 ug/l

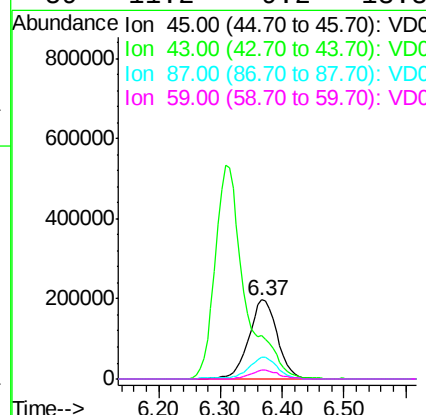
RT: 6.37 min Scan# 756

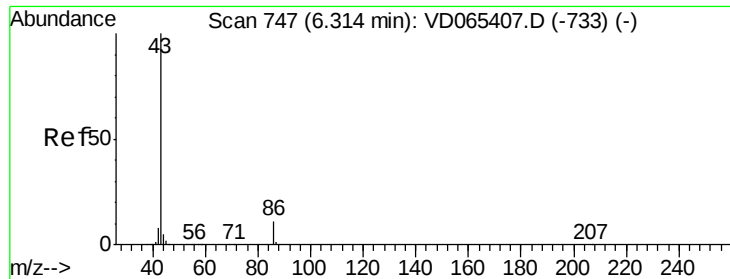
Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Tgt Ion:	45	Resp:	634664
Ion	Ratio	Lower	Upper
45	100		
43	54.6	44.4	66.6
87	27.4	21.9	32.9
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 253.187 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1769396

Ion Ratio Lower Upper

43 100

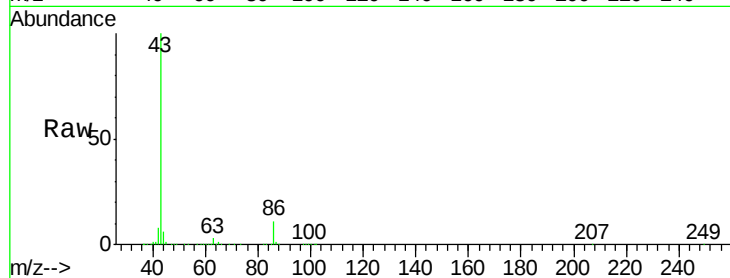
86 11.4 8.9 13.3

Manual Integrations

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MMDadoda

3/16/2020 2:05:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

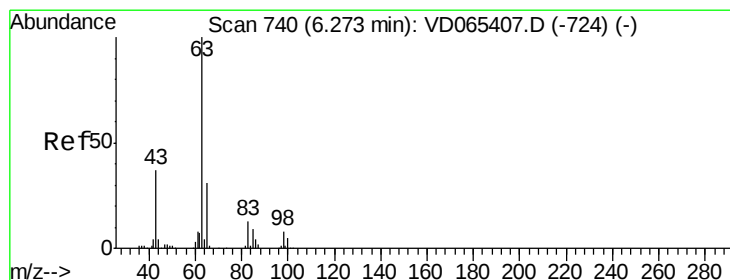
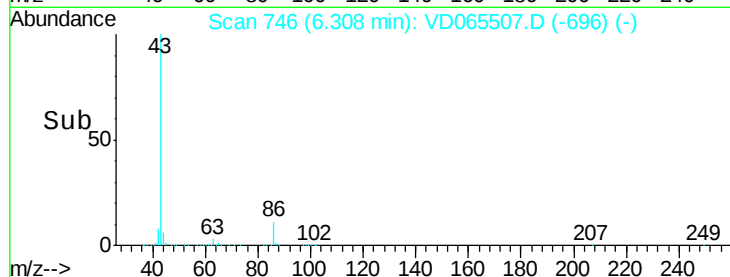
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.969 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

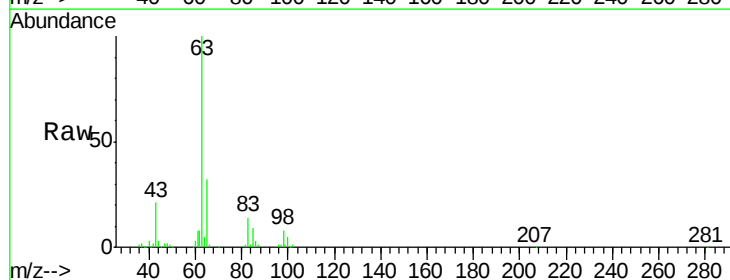
Tgt Ion: 63 Resp: 379178

Ion Ratio Lower Upper

63 100

98 7.7 4.2 12.6

100 5.4 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

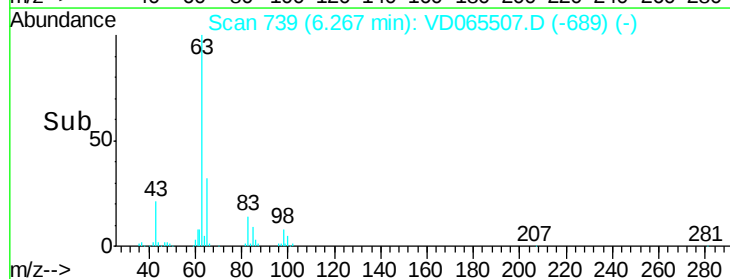
150000

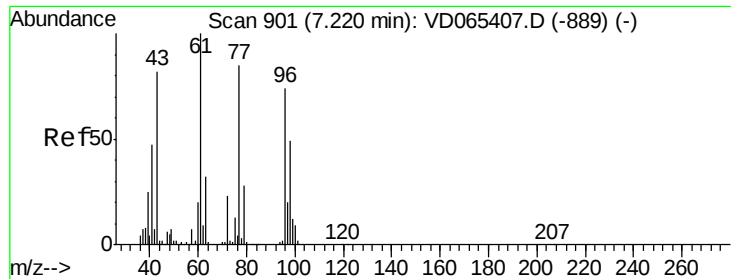
100000

50000

0

Time-->





#25

2-Butanone

Concen: 228.664 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 256551

Ion Ratio Lower Upper

43 100

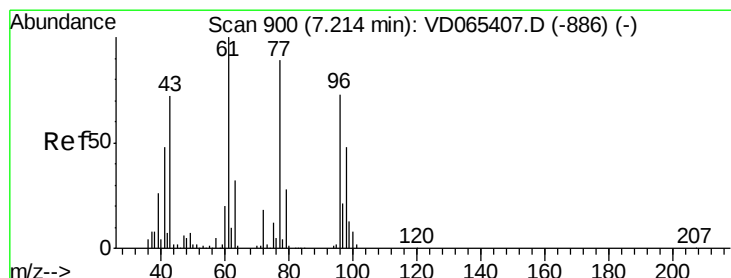
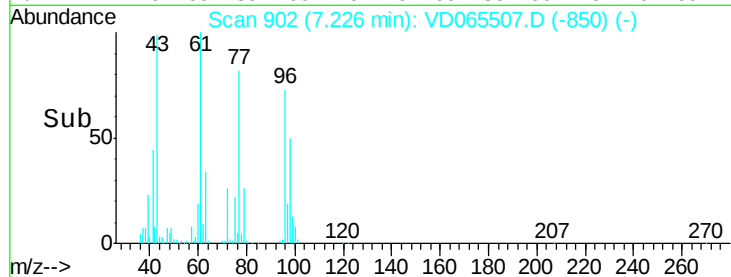
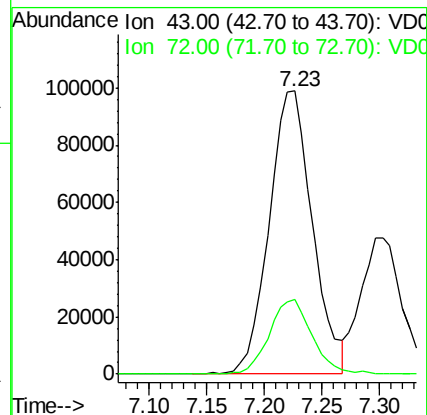
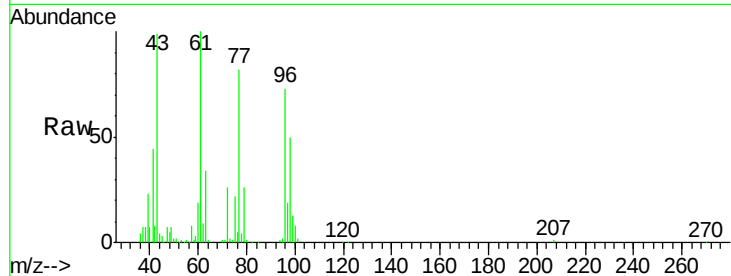
72 26.6 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.020 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065507.D

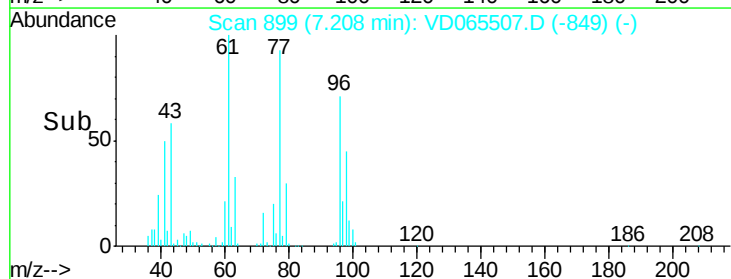
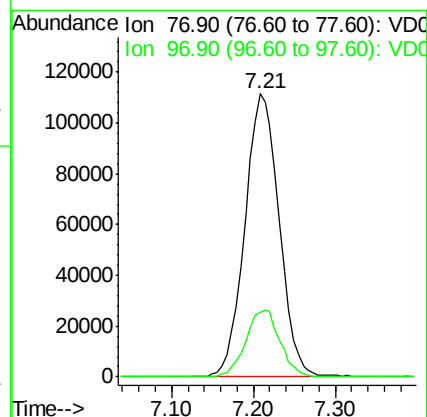
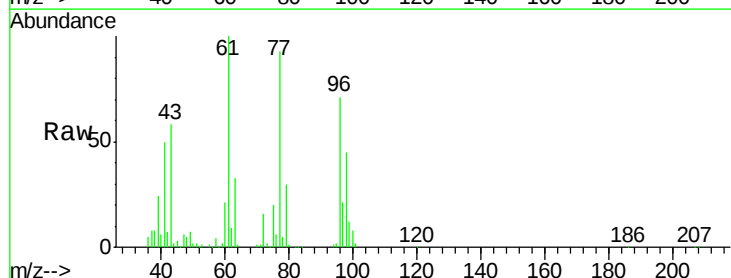
Acq: 13 Mar 2020 16:46

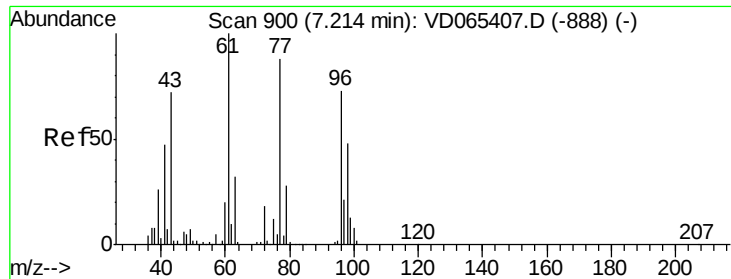
Tgt Ion: 77 Resp: 324663

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.4





#27

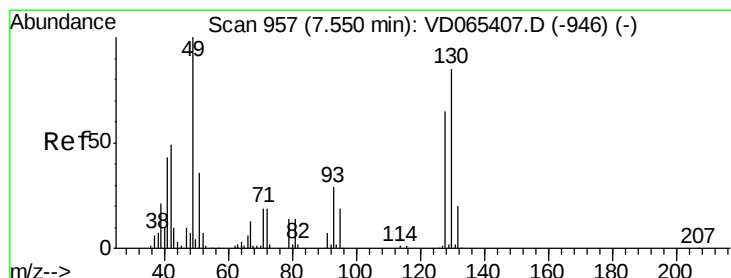
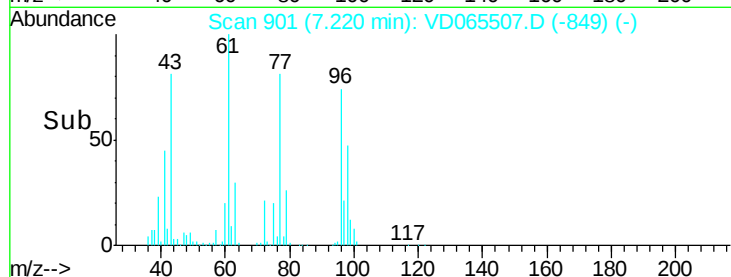
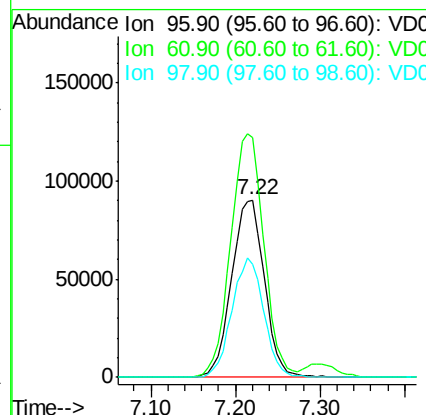
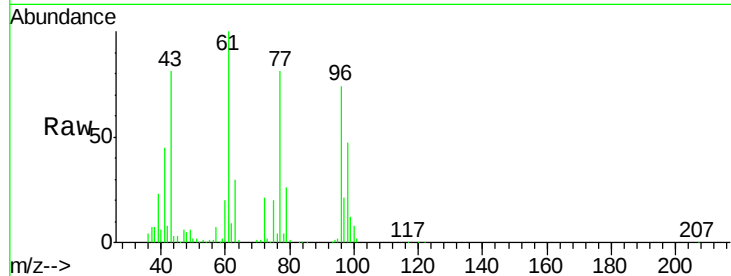
cis-1,2-Dichloroethene
 Concen: 48.238 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	241747		
61	139.3	0.0	280.4	
98	65.4	0.0	132.6	

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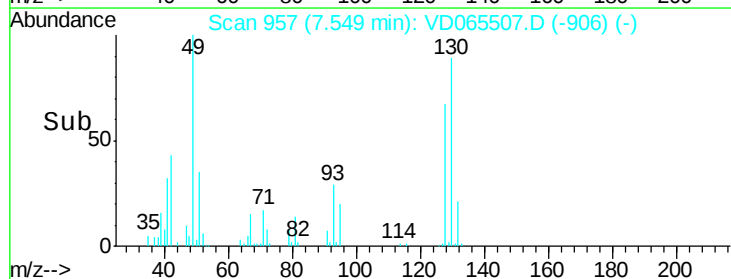
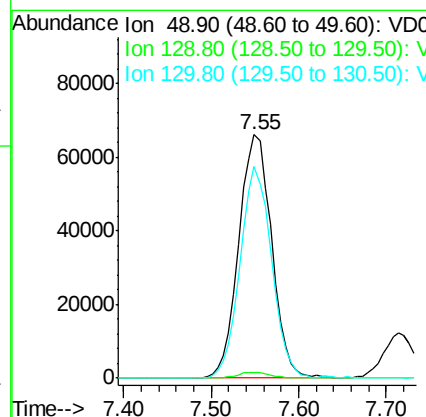
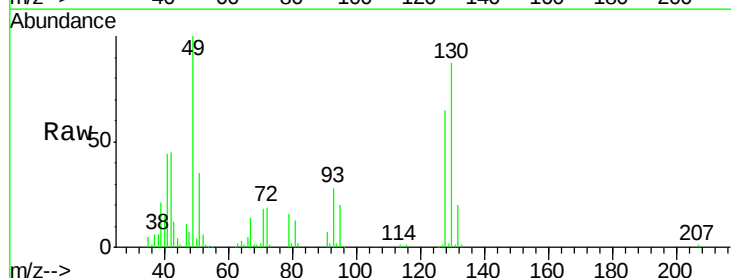
MMDadoda
 3/16/2020 2:05:29 PM

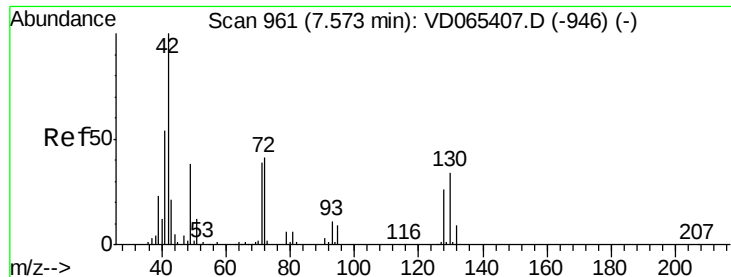


#28

Bromochloromethane
 Concen: 52.157 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	168463		
129	2.4	0.0	4.6	
130	83.3	66.6	100.0	





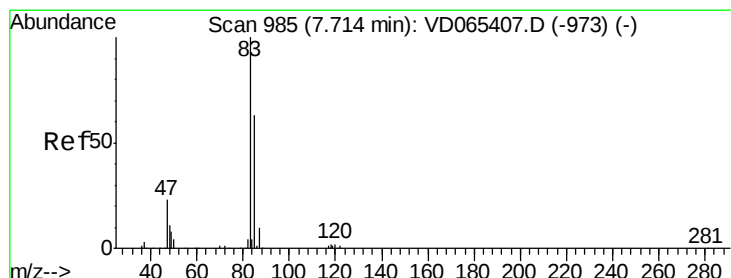
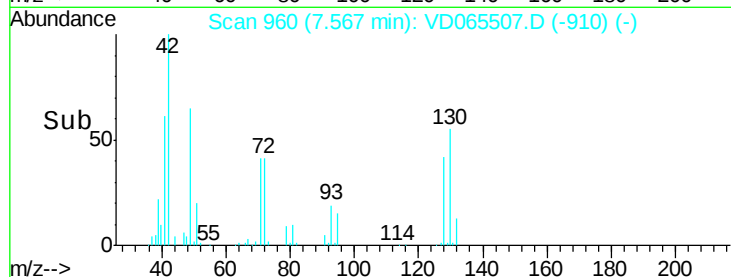
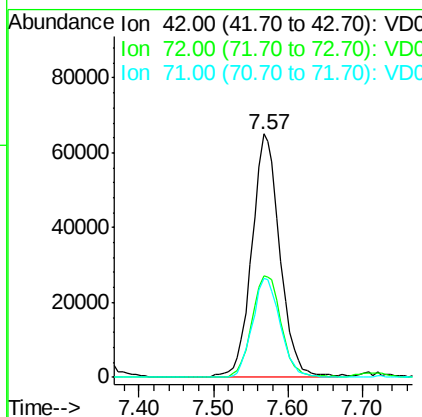
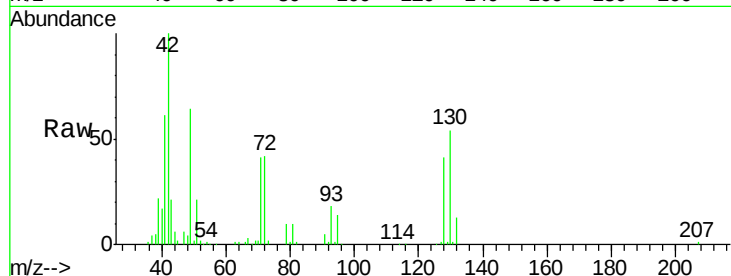
#29
Tetrahydrofuran
Concen: 237.225 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.0	49.6
71	40.5	32.0	48.0

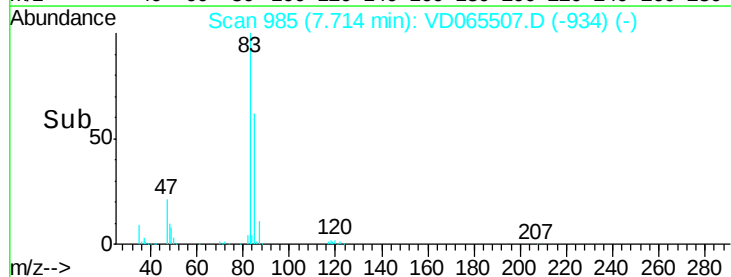
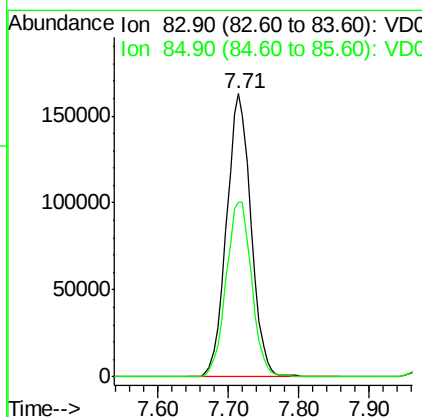
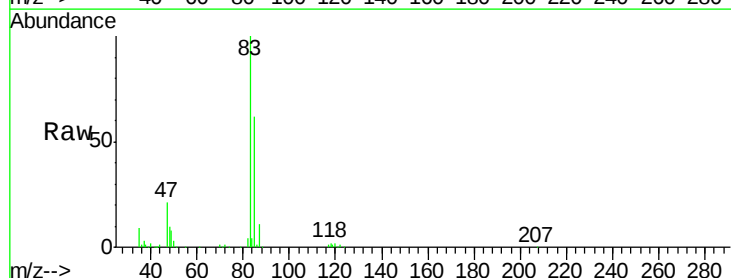
Manual Integrations
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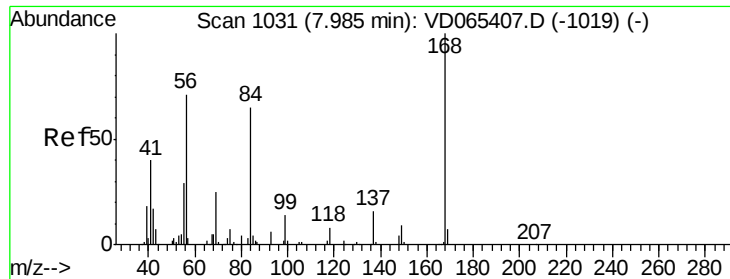
MMDadoda
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#30
Chloroform
Concen: 48.435 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.3	75.5





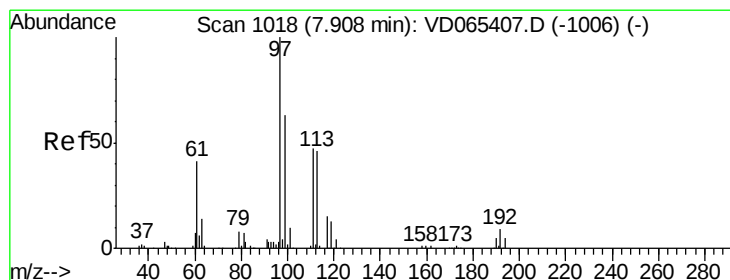
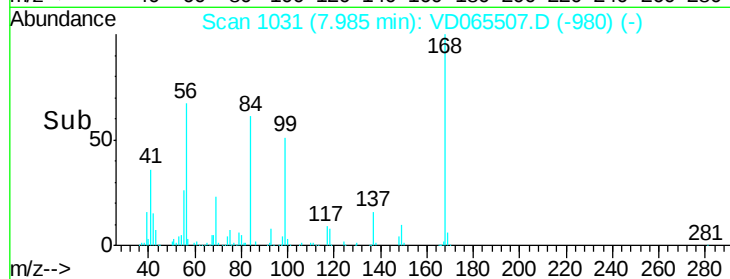
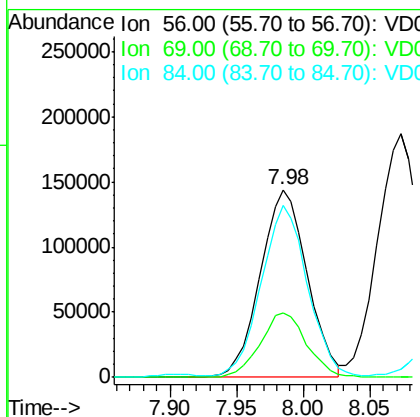
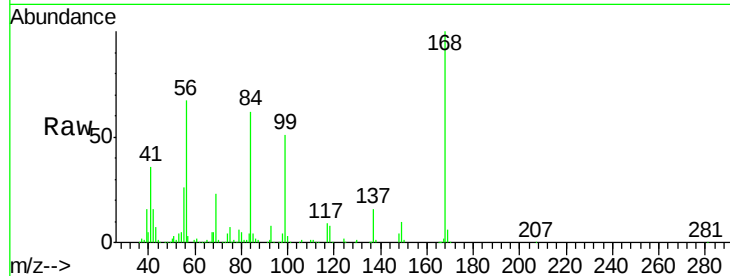
#31
Cyclohexane
Concen: 43.380 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	28.3	42.5
84	90.3	73.1	109.7

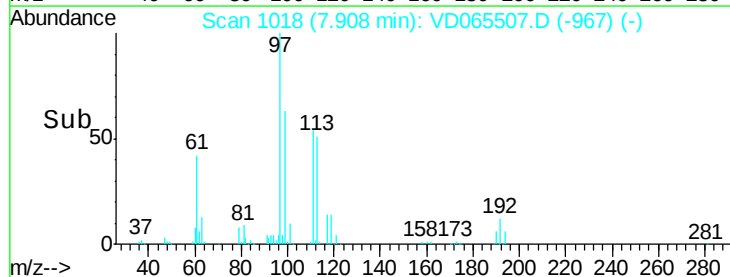
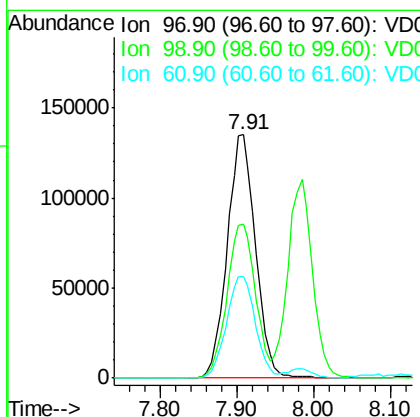
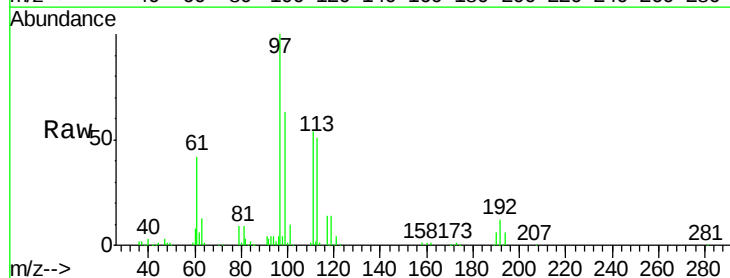
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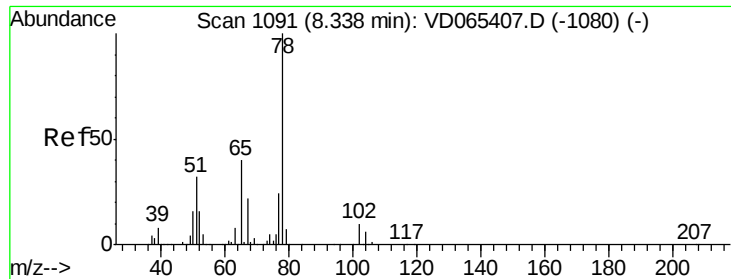
MMDadoda
3/16/2020 2:05:29 PM



#32
1,1,1-Trichloroethane
Concen: 46.441 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.9	76.3
61	42.6	33.2	49.8





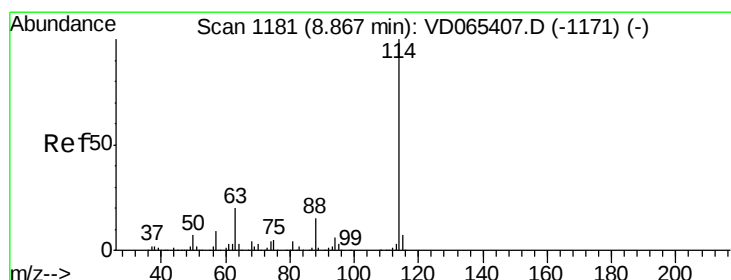
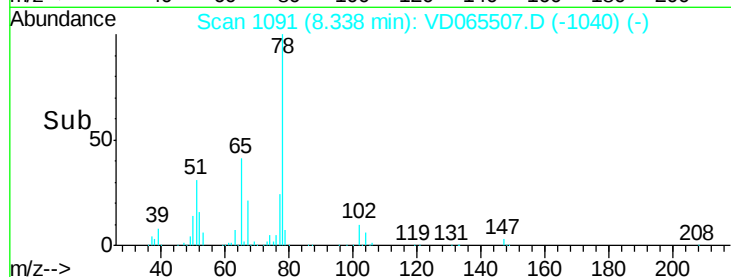
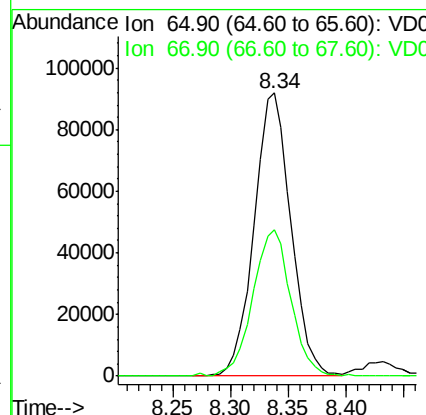
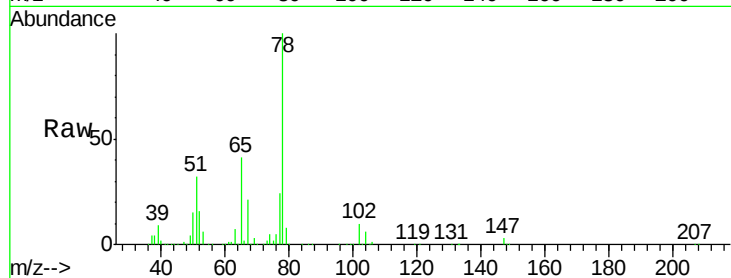
#33
 1,2-Dichloroethane-d4
 Concen: 50.208 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	204106		
67	53.3	0.0	108.0	

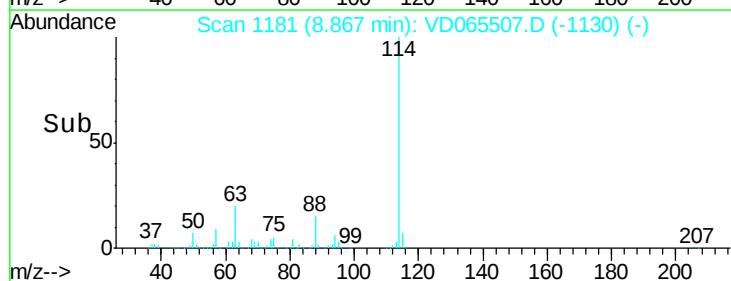
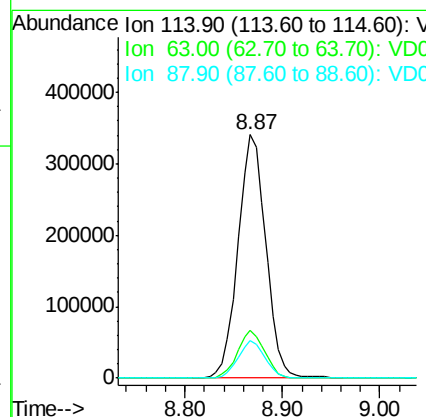
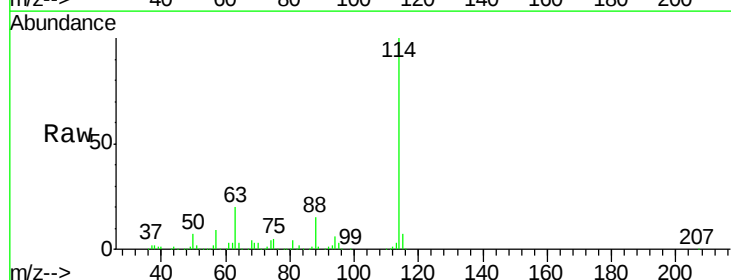
Manual Integrations
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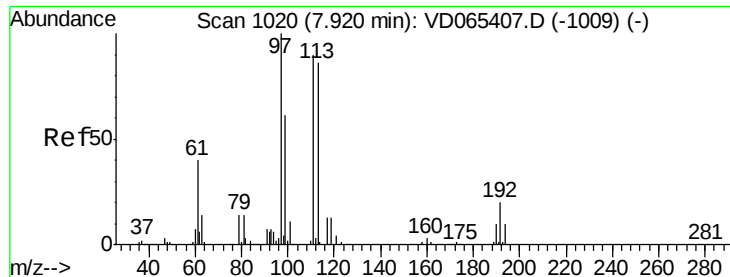
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	676126		
63	19.7	0.0	39.6	
88	15.5	0.0	30.4	





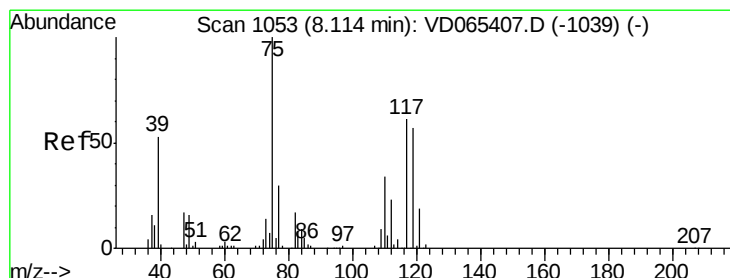
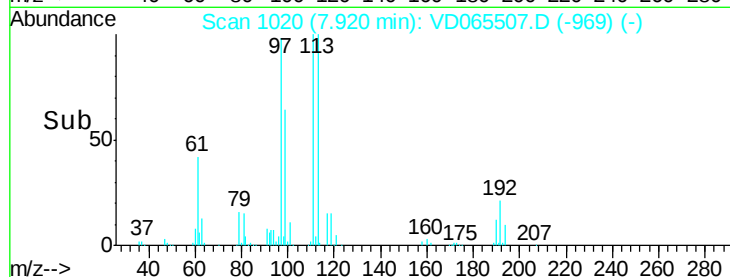
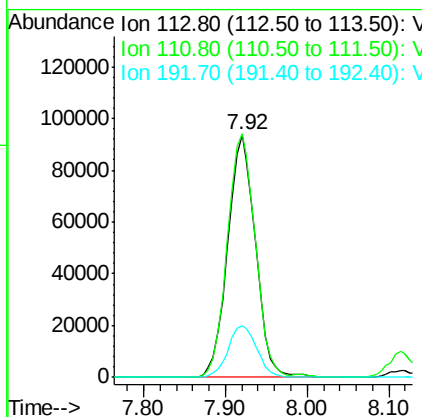
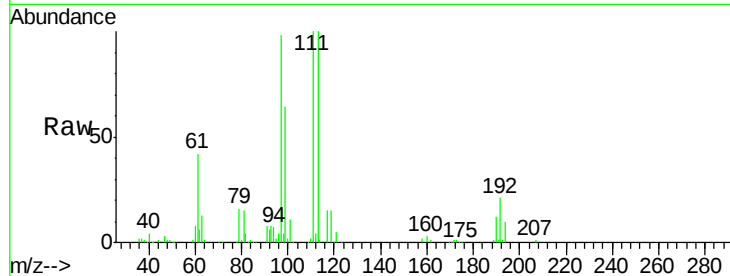
#35
Dibromofluoromethane
Concen: 52.837 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.1	123.1
192	22.0	17.2	25.8

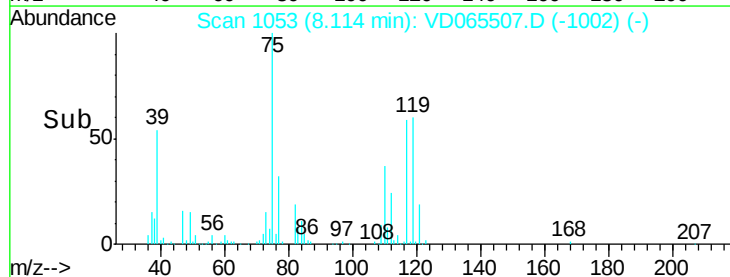
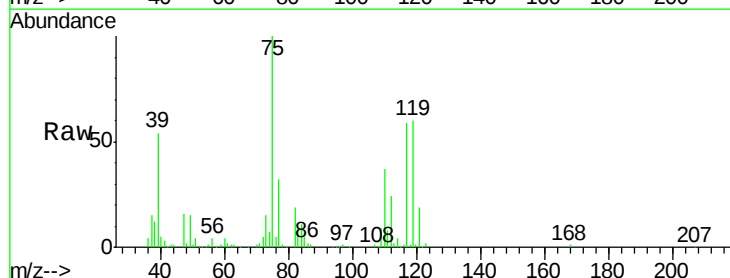
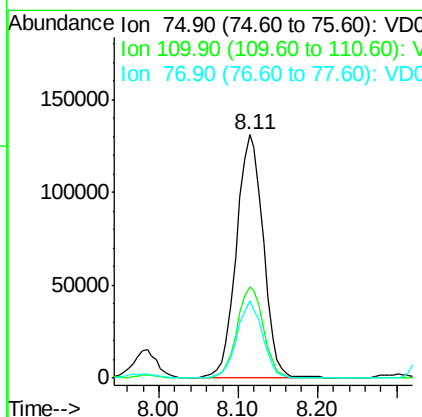
Manual Integrations
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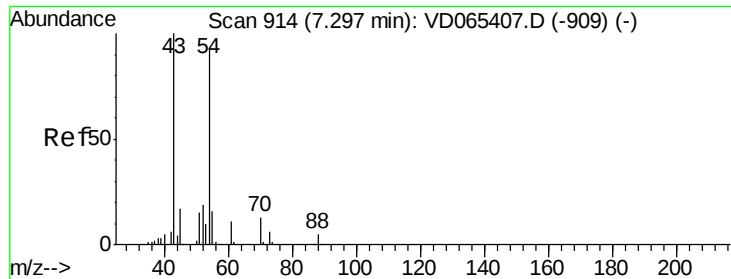
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#36
1,1-Dichloropropene
Concen: 47.296 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.1	54.1
77	30.7	25.2	37.8





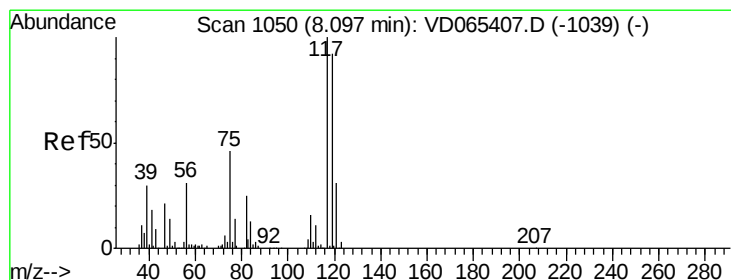
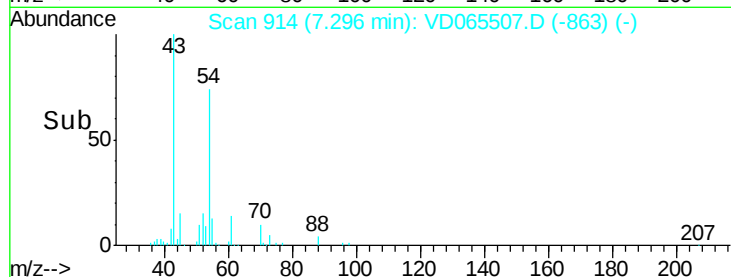
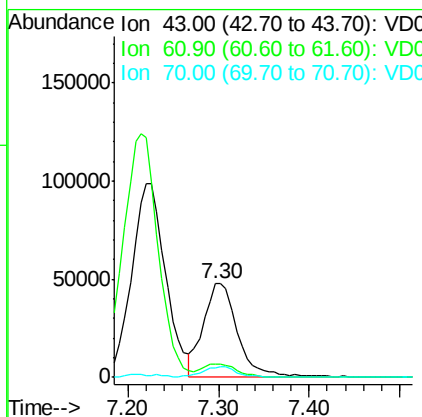
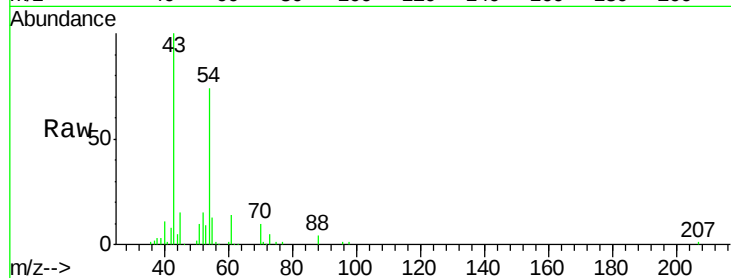
#37
Ethyl Acetate
Concen: 49.042 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	10.8	9.0	13.4

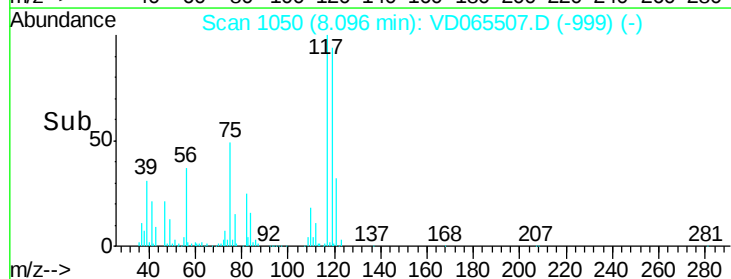
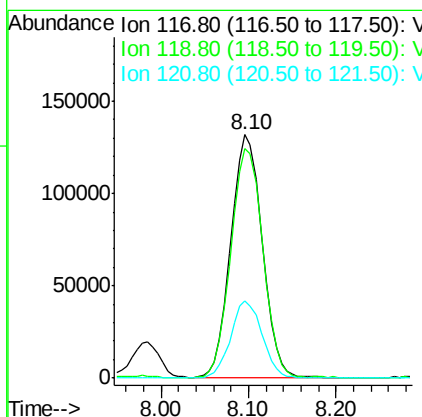
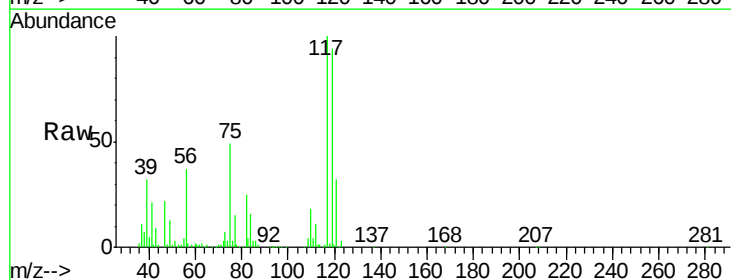
Manual Integrations
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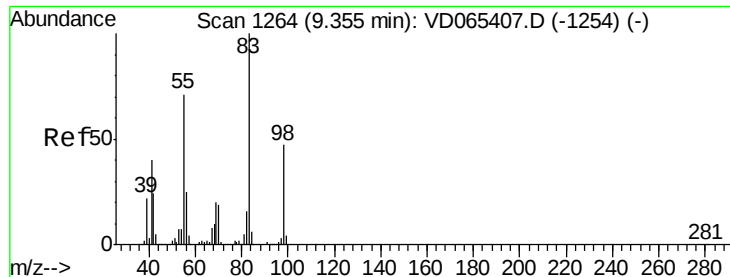
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.808 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.3	109.9
121	31.6	25.0	37.4





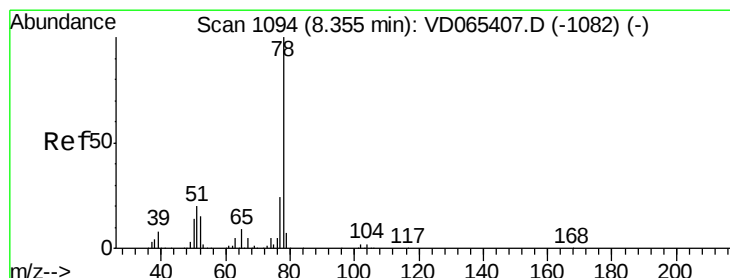
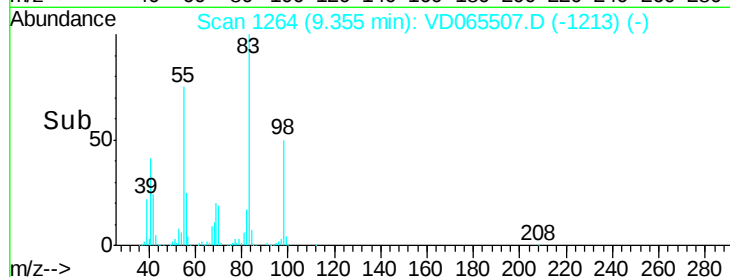
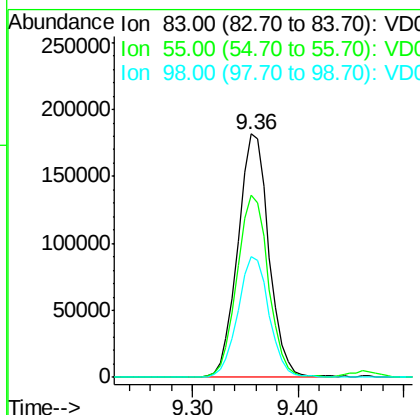
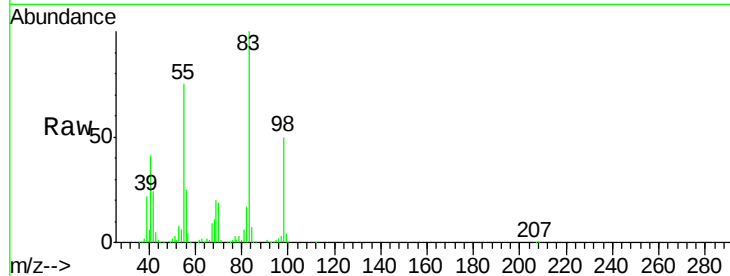
#39
Methvlcvclohexane
Concen: 47.414 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	57.1	85.7
98	49.8	37.8	56.8

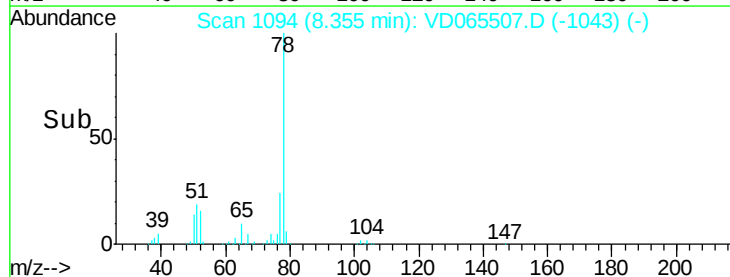
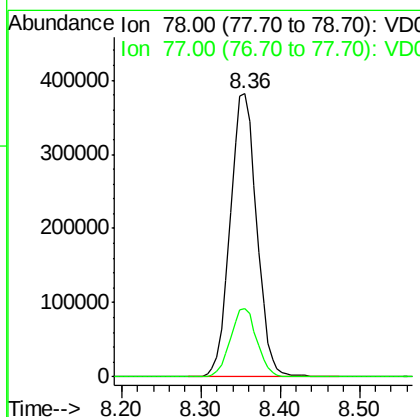
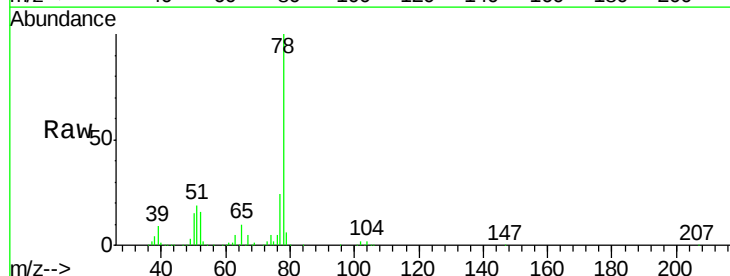
Manual Integrations
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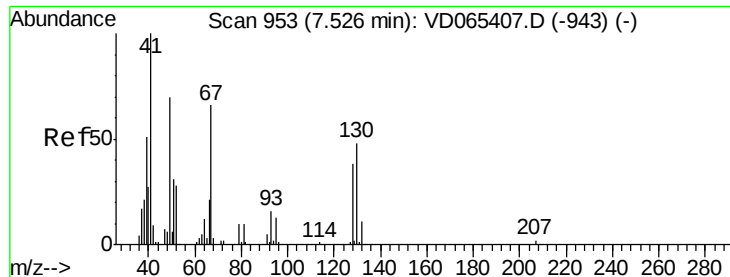
MMDadoda
3/16/2020 2:05:29 PM



#40
Benzene
Concen: 48.857 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





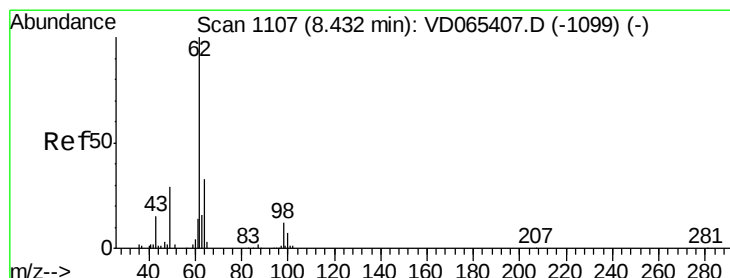
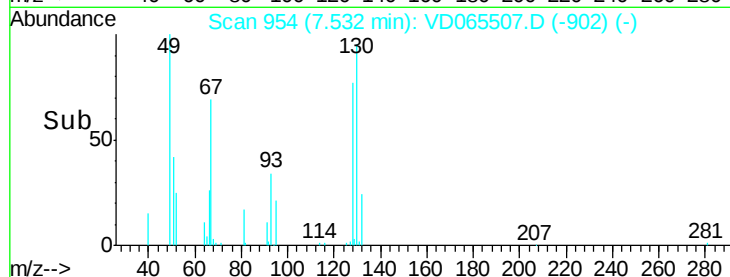
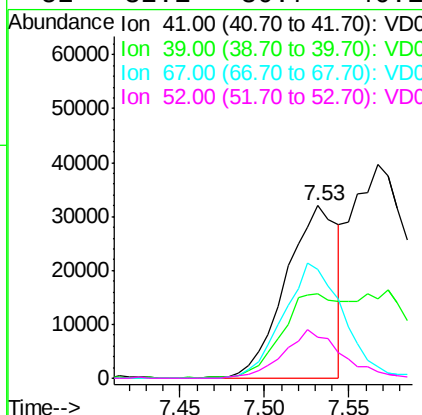
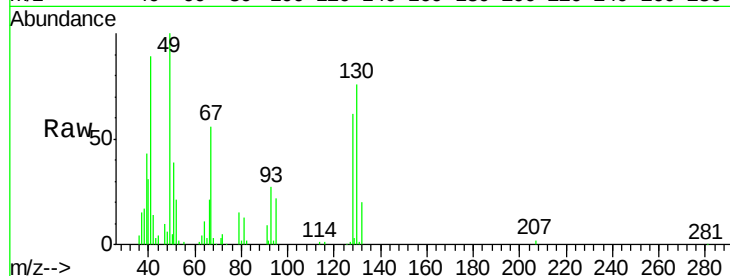
#41
Methacrylonitrile
Concen: 51.867 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	68713
Ion	Ratio	Lower	Upper
41	100		
39	59.8	55.0	82.6
67	77.3	70.3	105.5
52	32.1	30.7	46.1

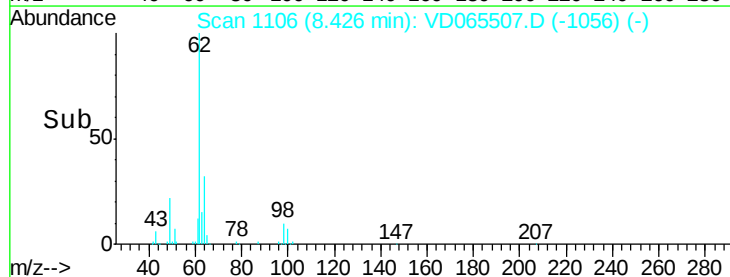
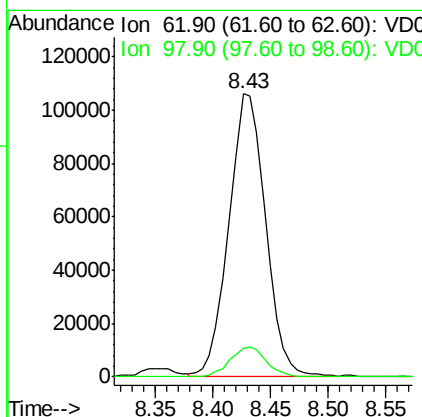
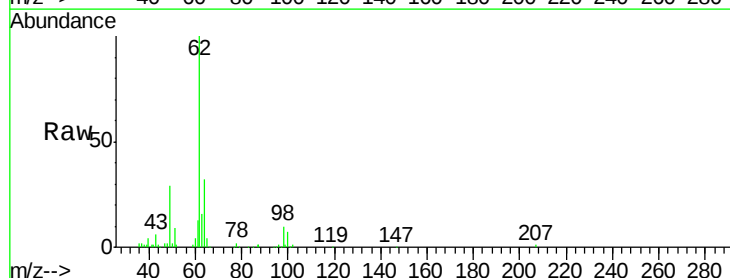
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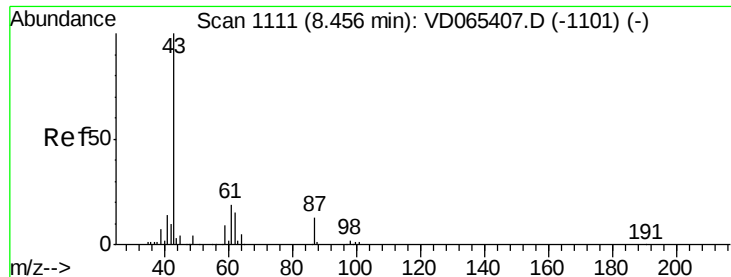
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.304 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion:	62	Resp:	233300
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.4





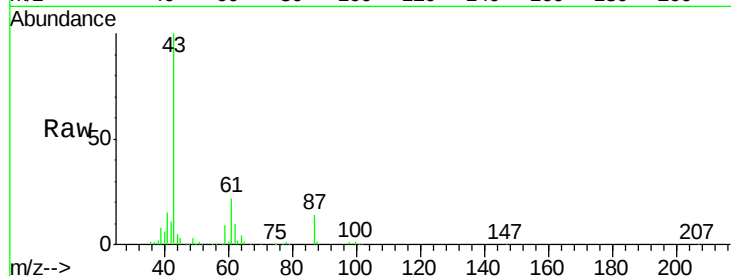
#43
Isopropyl Acetate
Concen: 48.873 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

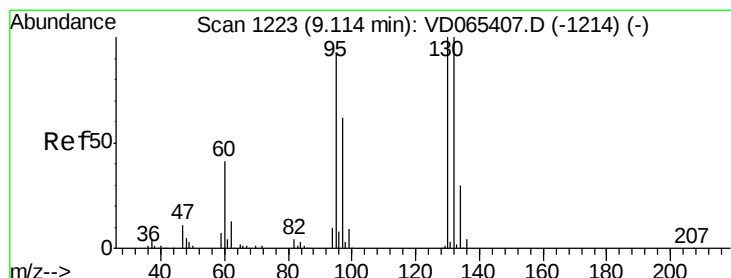
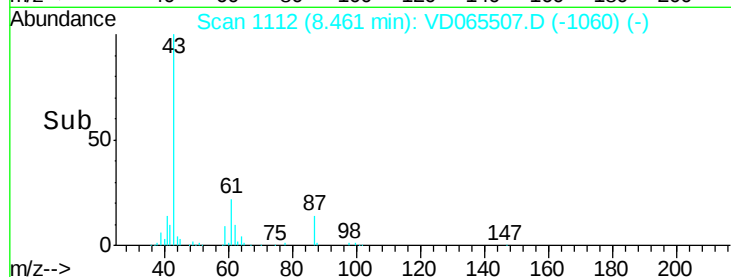
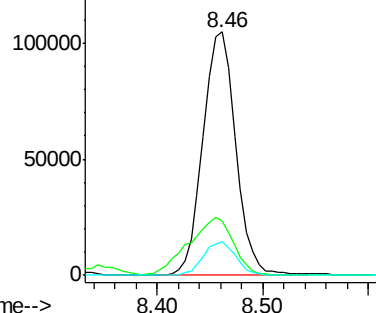
Tot Ion	Ratio	Lower	Upper
43	100		
61	32.6	25.0	37.6
87	13.6	11.0	16.4

Manual Integrations
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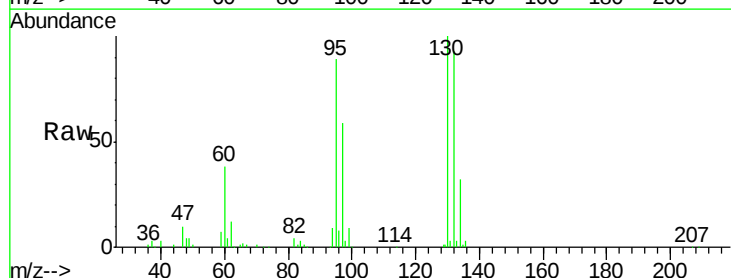


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

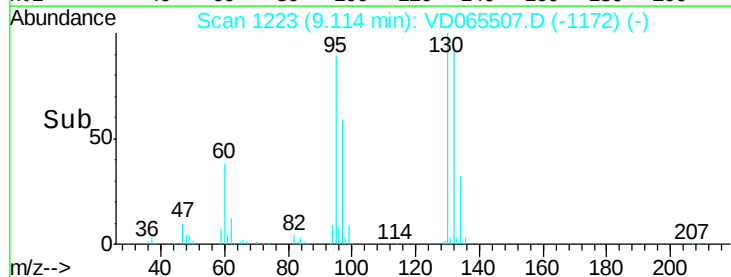
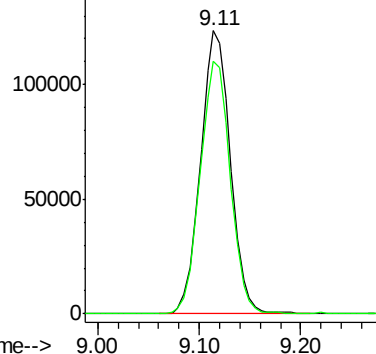


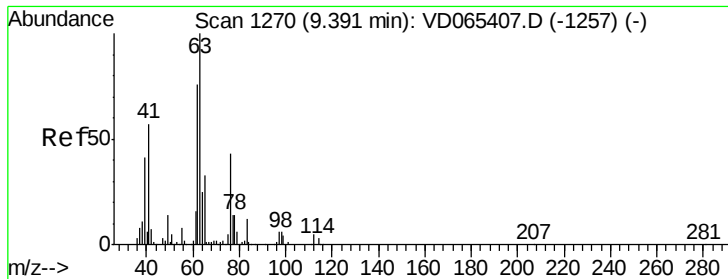
#44
Trichloroethene
Concen: 49.161 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.037 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 219637

Ion Ratio Lower Upper

63 100

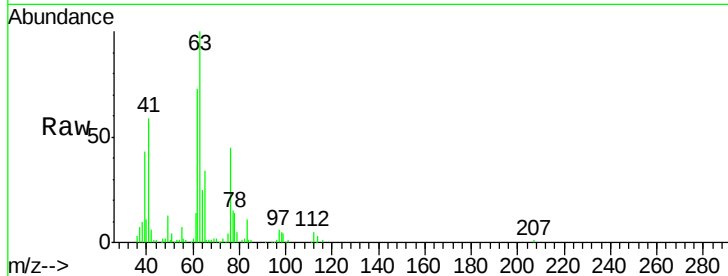
65 33.6 26.4 39.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

120000

100000

80000

60000

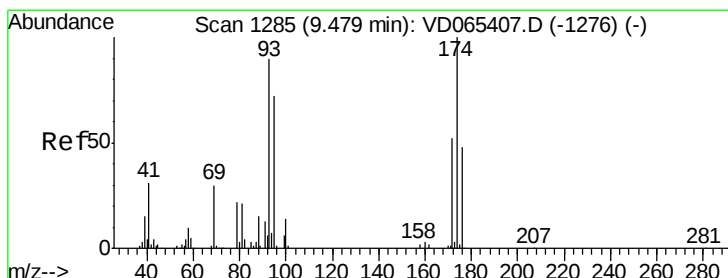
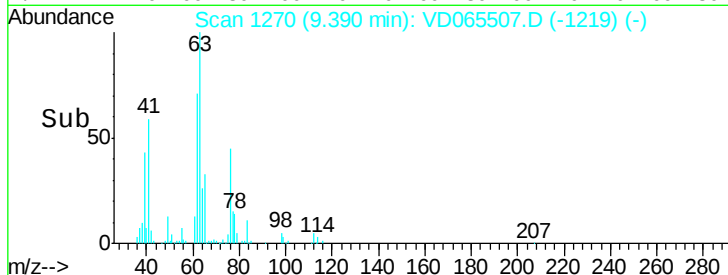
40000

20000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 49.809 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

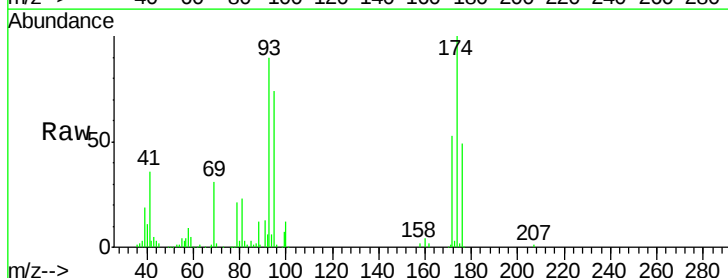
Tgt Ion: 93 Resp: 113406

Ion Ratio Lower Upper

93 100

95 83.4 65.0 97.6

174 113.9 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): V

80000

60000

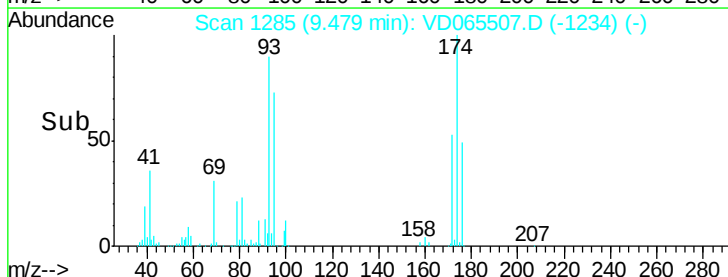
40000

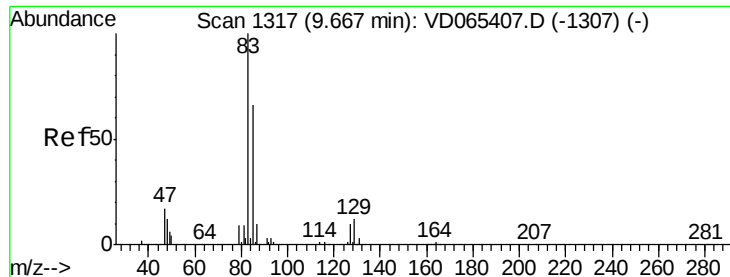
20000

0

9.40 9.50 9.60

Time-->





#47

Bromodichloromethane

Concen: 50.555 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

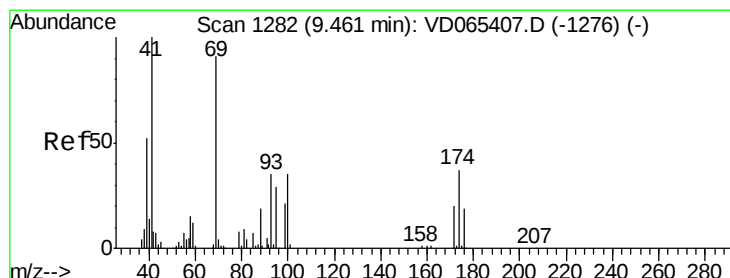
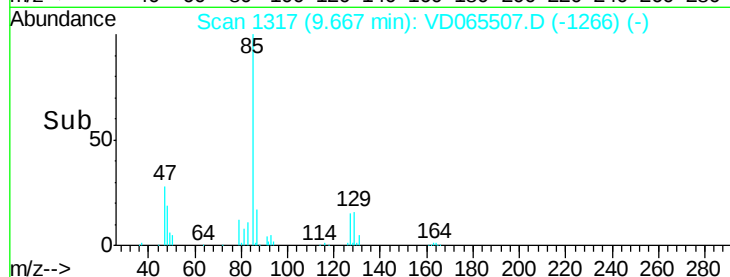
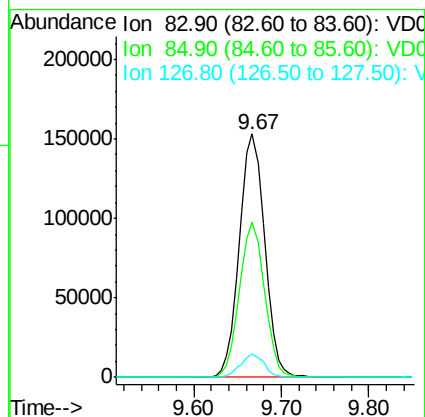
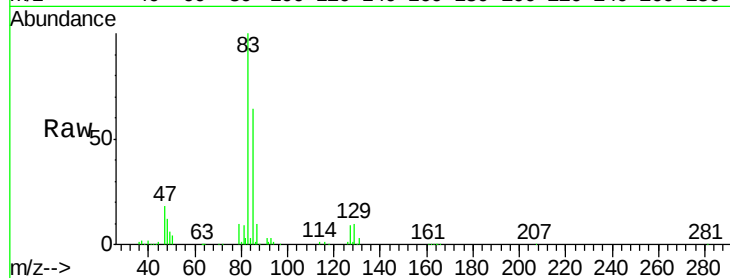
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	299452
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.8	79.2
127	9.5	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.668 ug/l

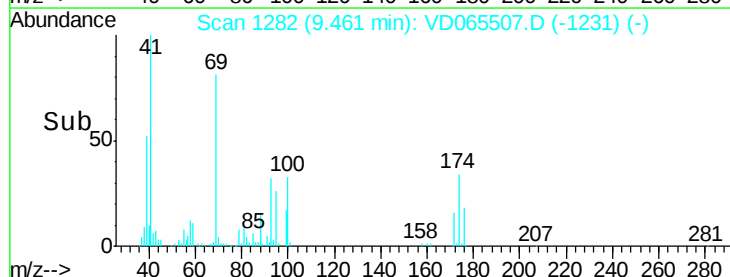
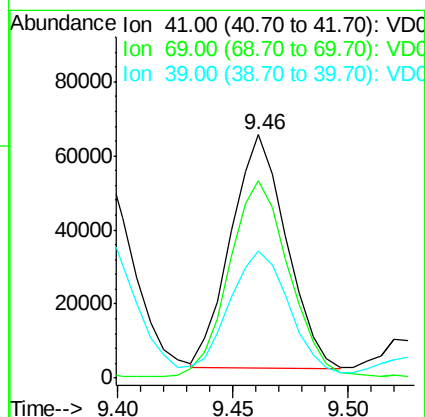
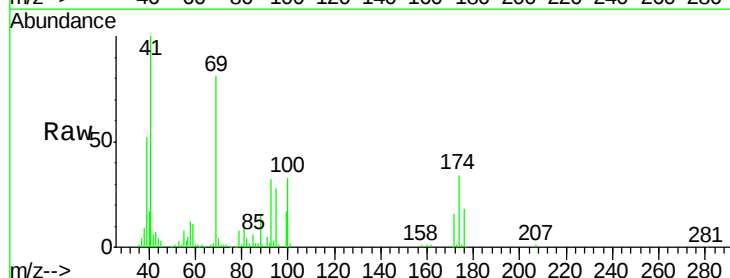
RT: 9.46 min Scan# 1282

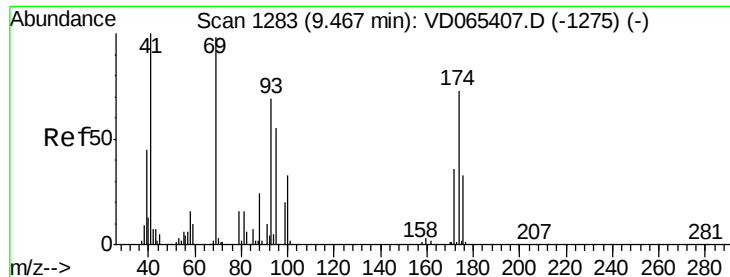
Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Tgt Ion:	41	Resp:	105889
Ion Ratio	Lower	Upper	
41	100		
69	90.2	72.5	108.7
39	55.3	41.6	62.4





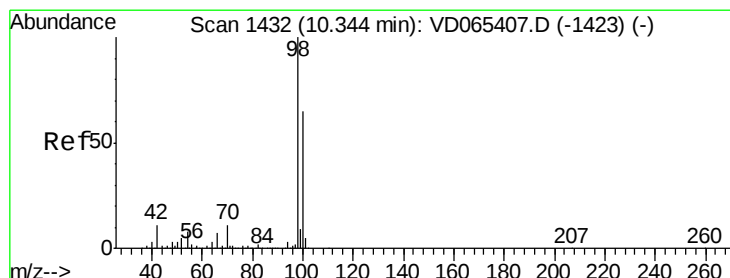
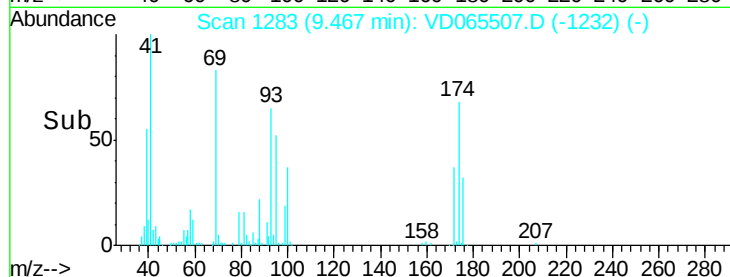
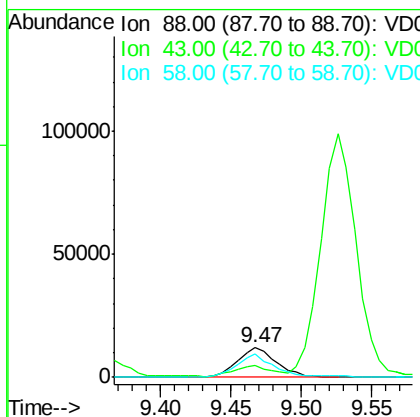
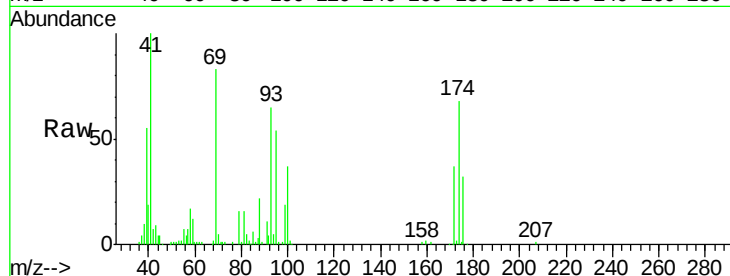
#49
1,4-Dioxane
Concen: 917.379 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	23892
Ion Ratio	Lower	Upper	
88	100		
43	37.5	24.5	36.7#
58	73.4	54.5	81.7

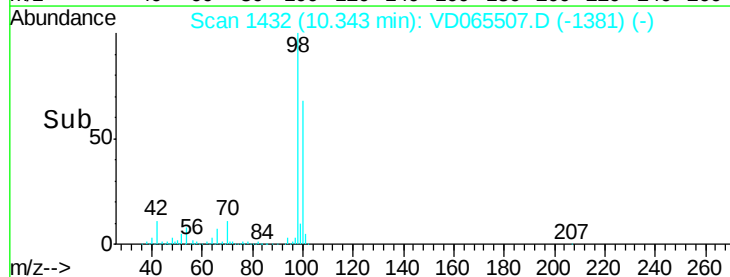
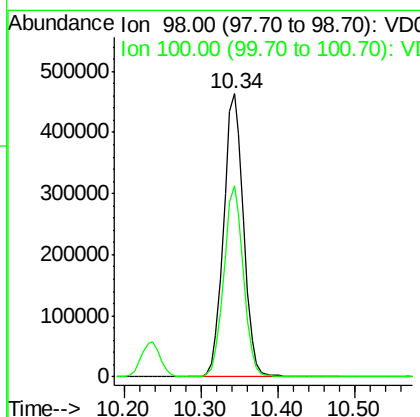
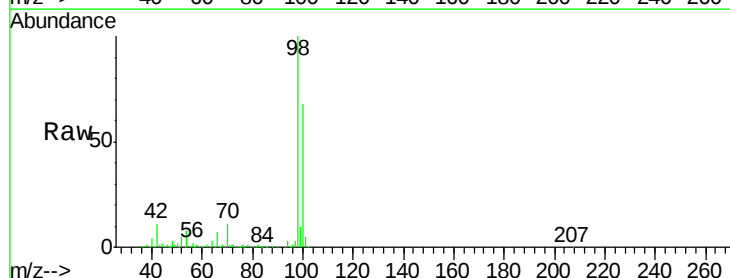
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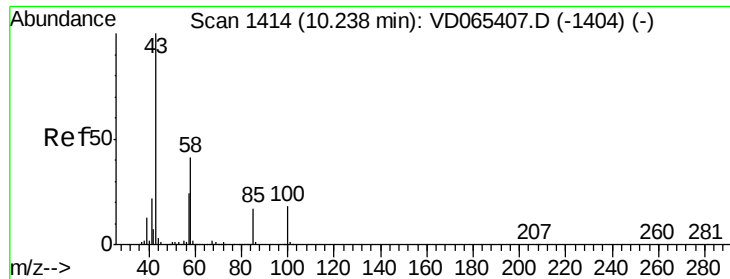
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#50
Toluene-d8
Concen: 51.966 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	98	Resp	833573
Ion Ratio	Lower	Upper	
98	100		
100	66.3	52.8	79.2





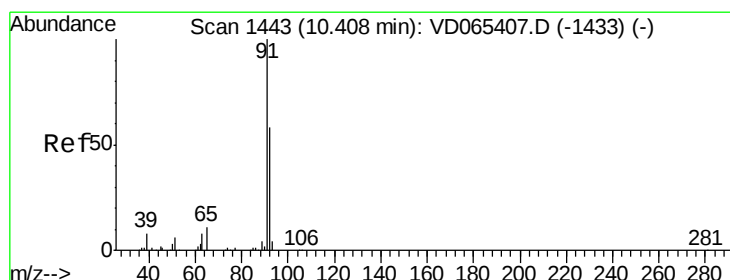
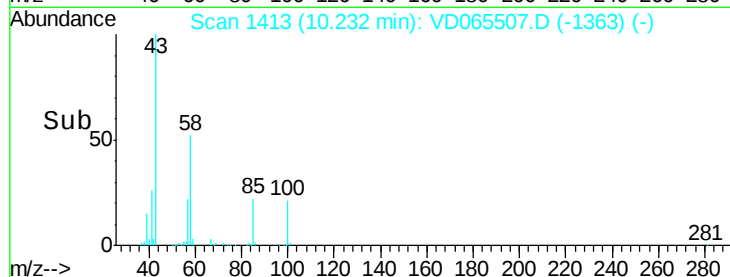
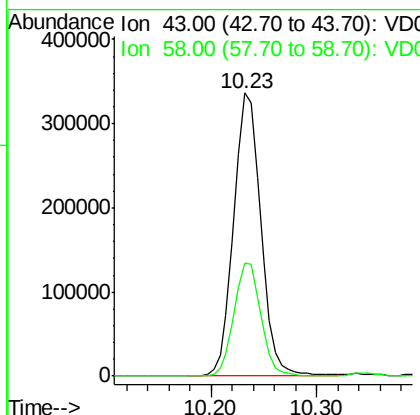
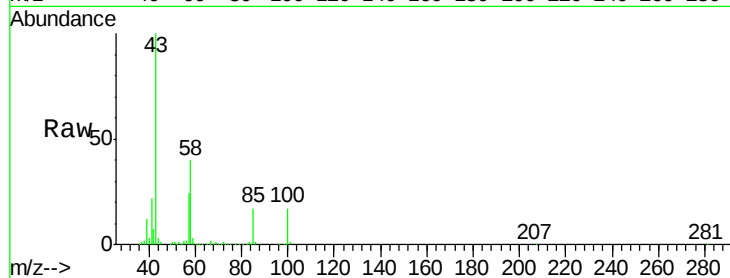
#51
4-Methyl-2-Pentanone
Concen: 257.900 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 600289
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.6

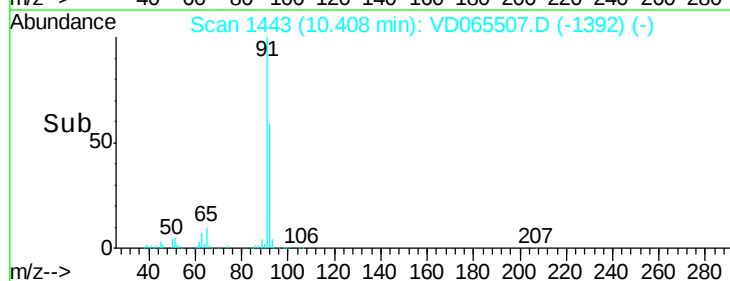
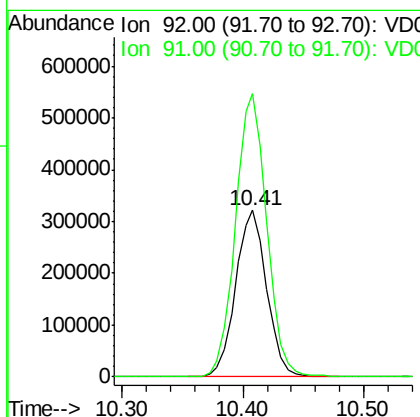
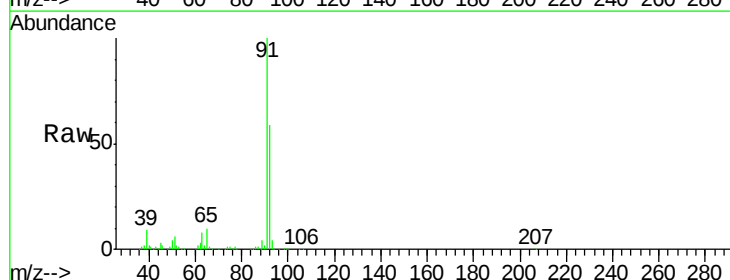
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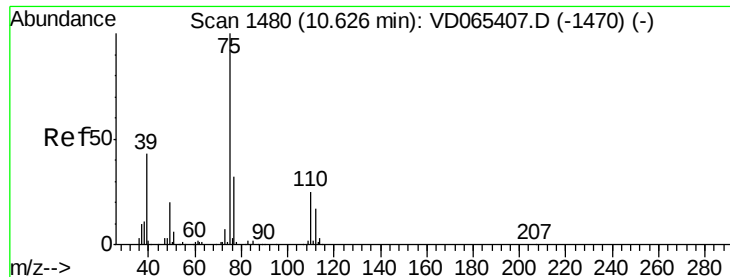
MMDadoda
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#52
Toluene
Concen: 50.385 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion: 92 Resp: 575168
Ion Ratio Lower Upper
92 100
91 171.2 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 51.182 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 283312

Ion Ratio Lower Upper

75 100

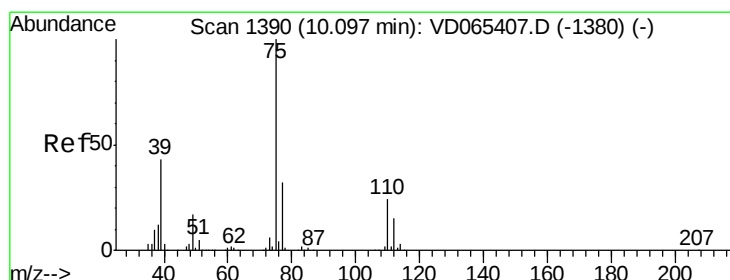
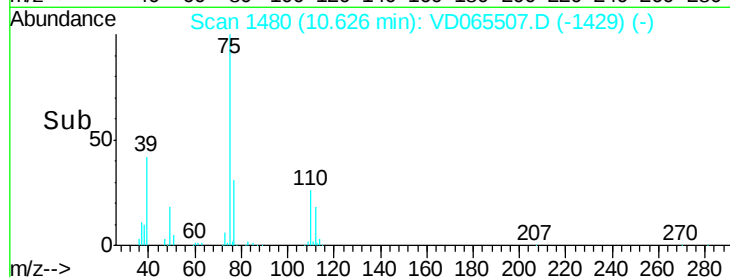
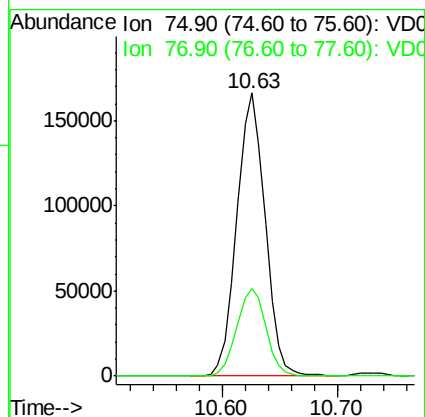
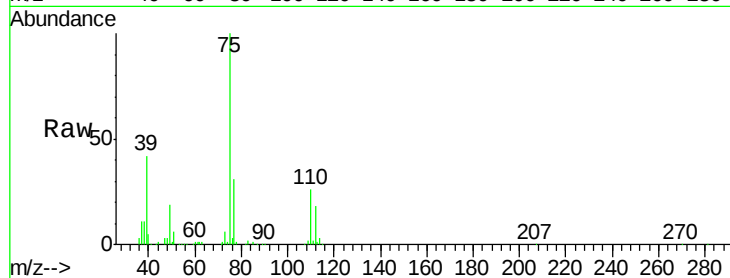
77 30.8 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 50.870 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

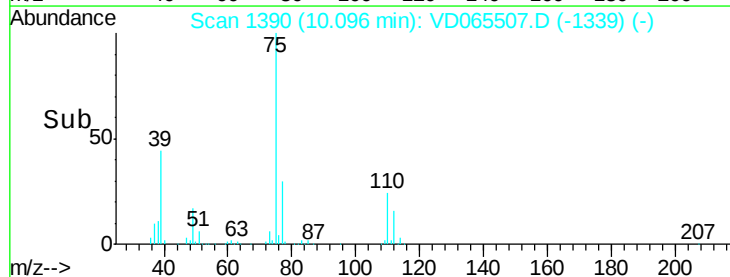
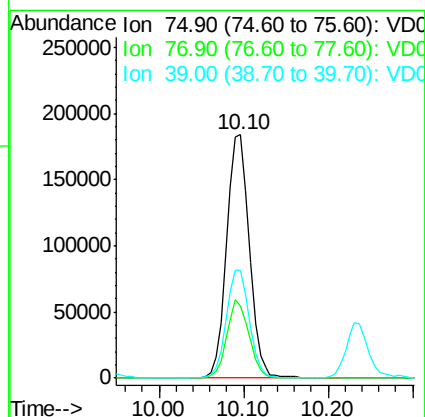
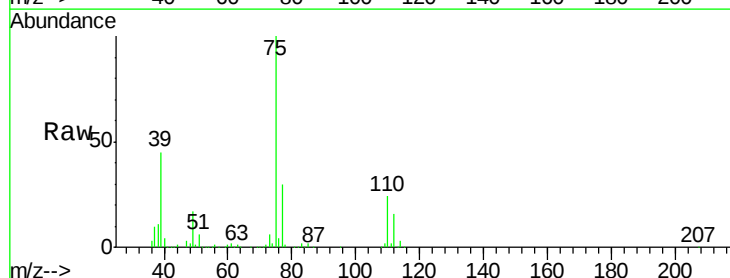
Tgt Ion: 75 Resp: 340839

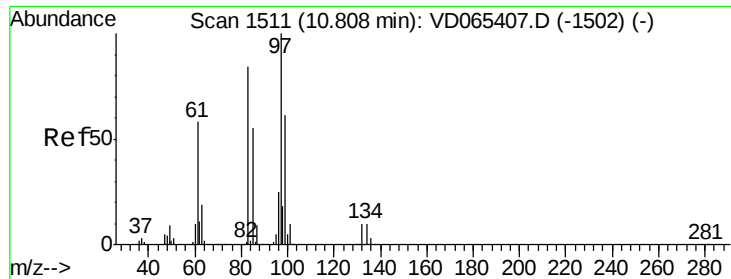
Ion Ratio Lower Upper

75 100

77 29.7 25.3 37.9

39 44.4 34.6 52.0





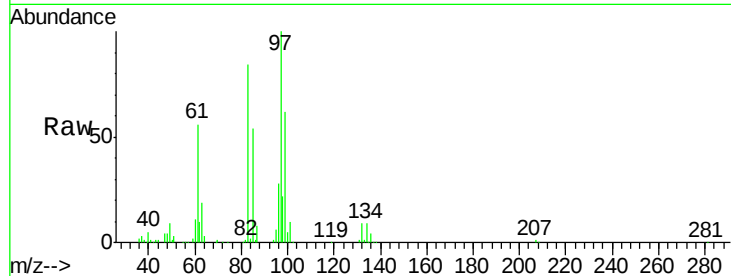
#55
 1,1,2-Trichloroethane
 Concen: 49.751 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

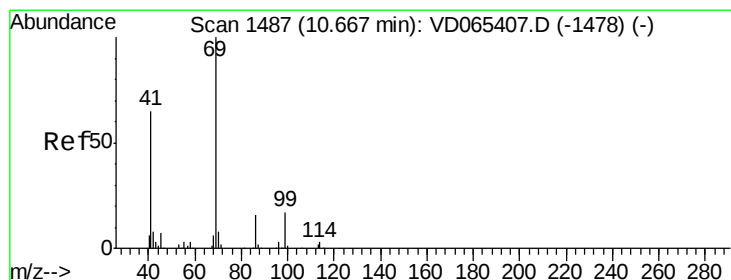
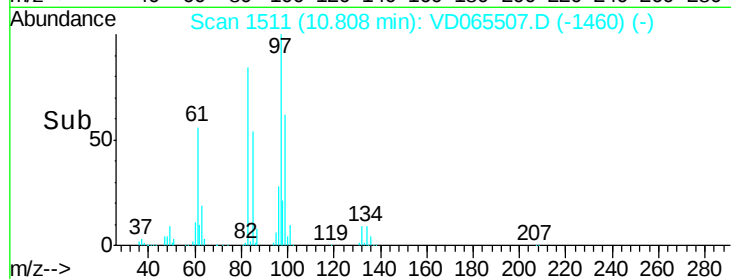
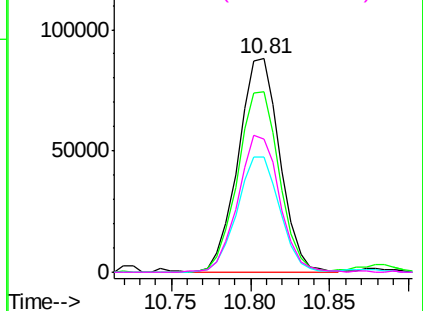
Tot Ion:	97	Resp:	160435
Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.0
85	54.1	43.8	65.8
99	62.1	48.8	73.2

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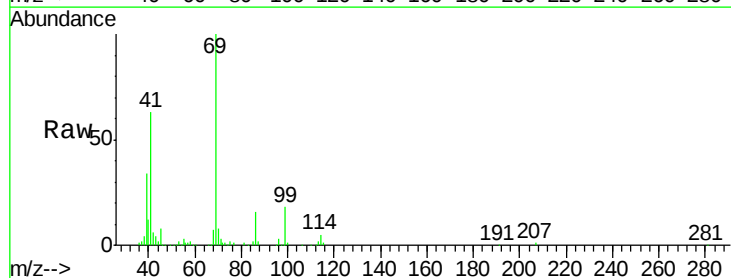


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

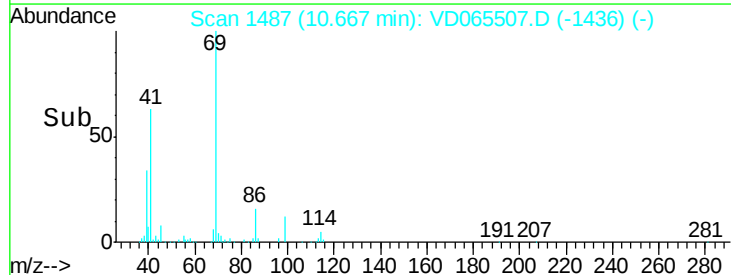
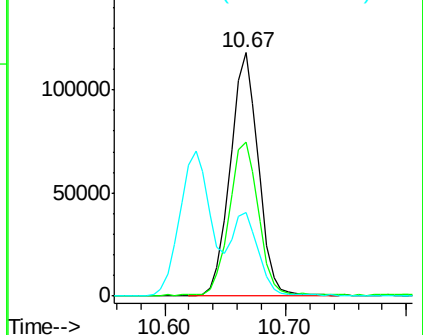


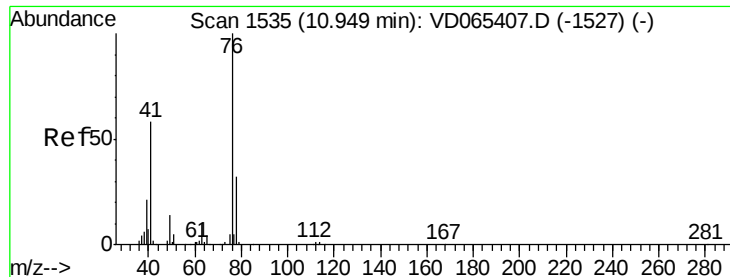
#56
 Ethyl methacrylate
 Concen: 52.718 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion:	69	Resp:	191653
Ion	Ratio	Lower	Upper
69	100		
41	66.5	53.0	79.6
39	32.1	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





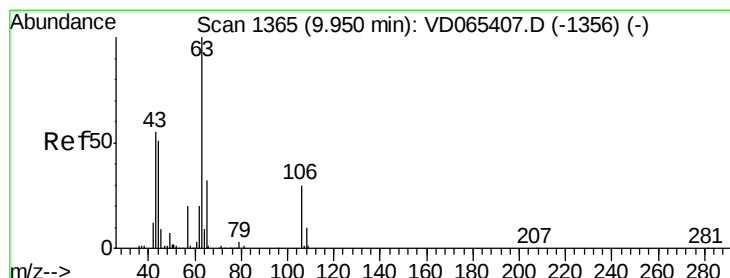
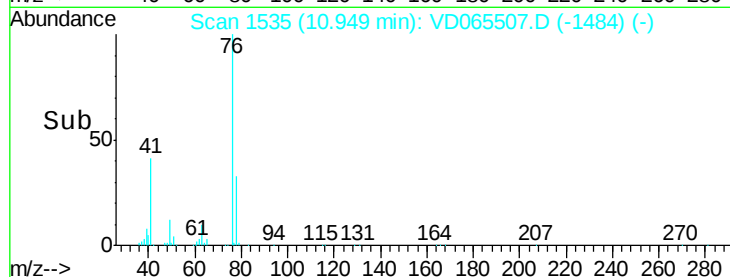
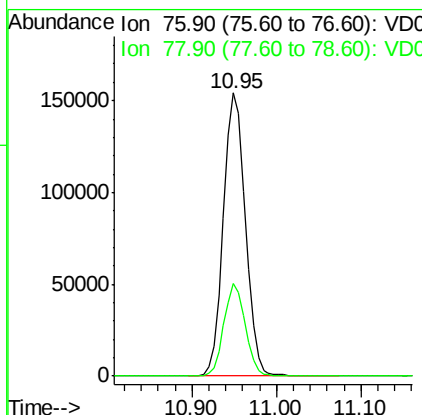
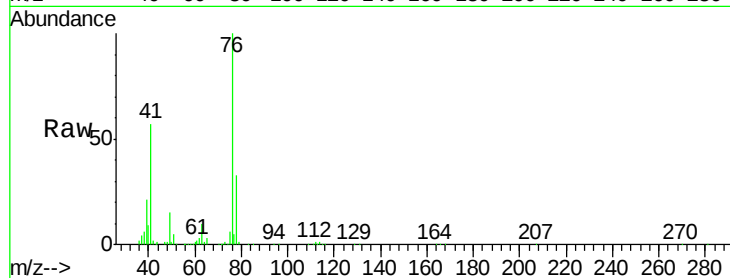
#57
 1,3-Dichloropropane
 Concen: 51.055 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.0	39.0

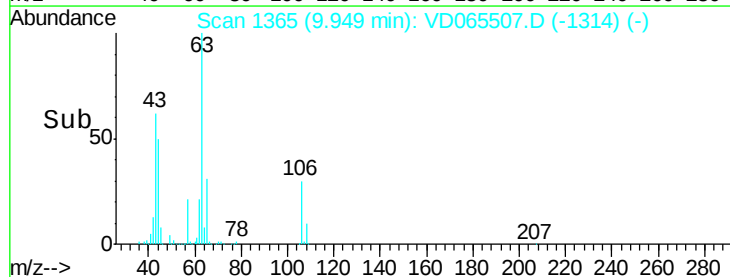
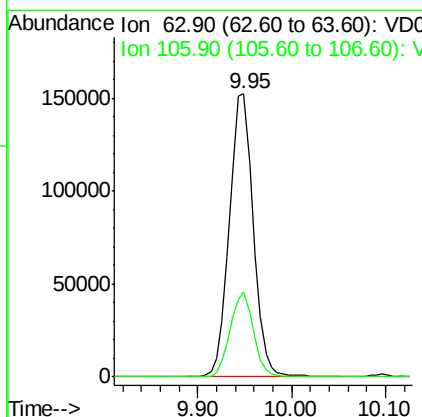
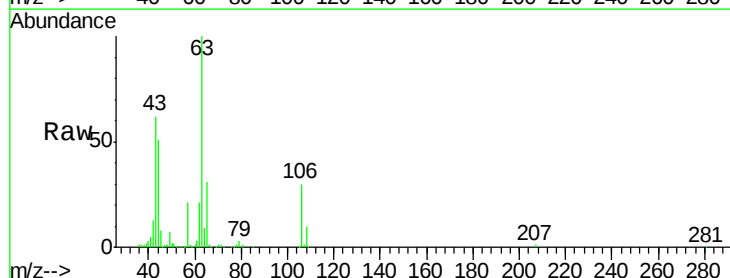
Manual Integrations
 APPROVED

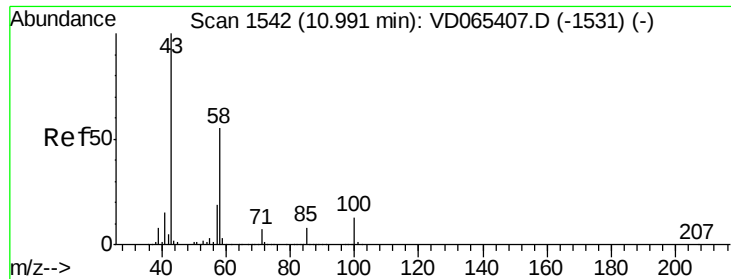
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 237.927 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.3	34.9





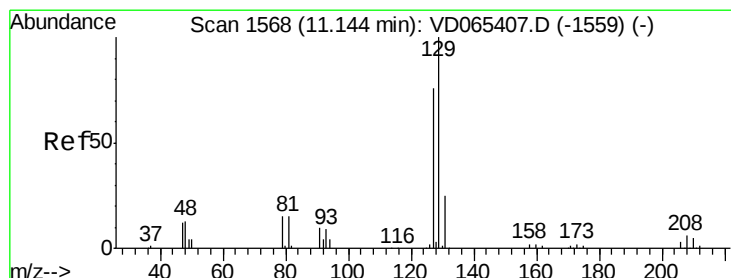
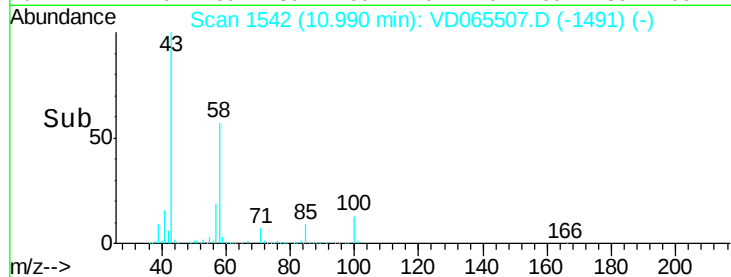
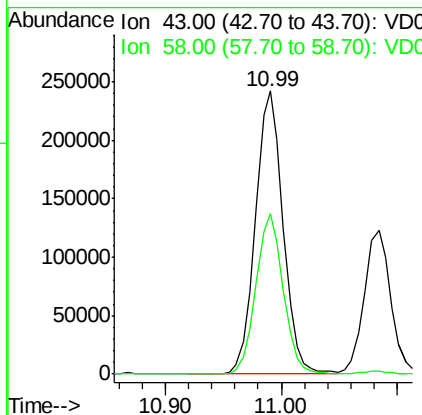
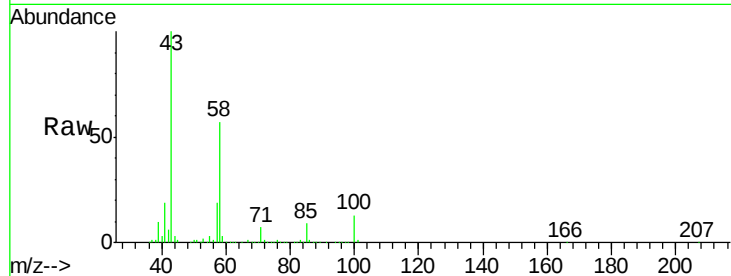
#59
2-Hexanone
Concen: 251.342 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 404978
Ion Ratio Lower Upper
43 100
58 55.9 27.4 82.2

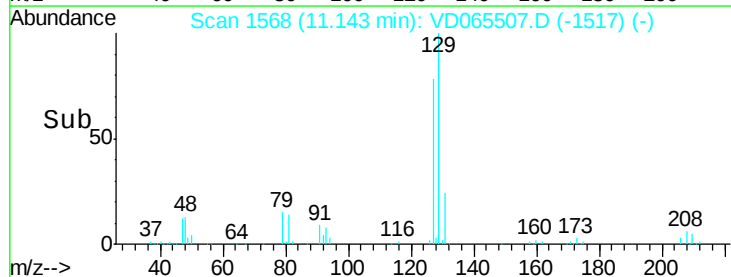
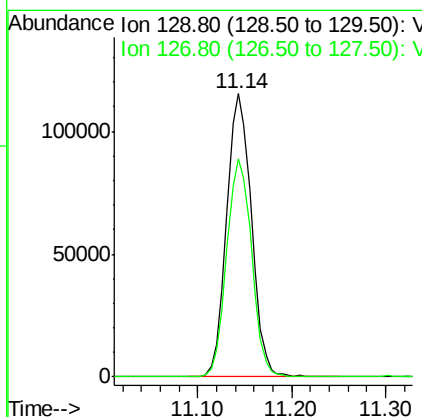
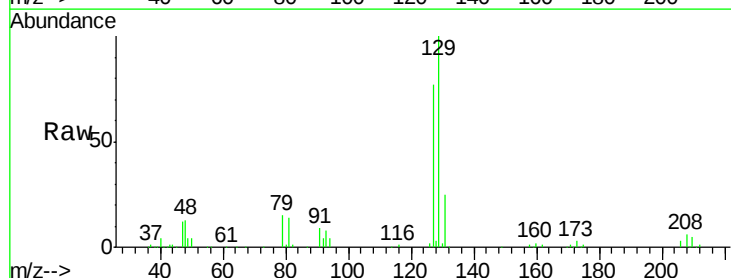
Manual Integrations
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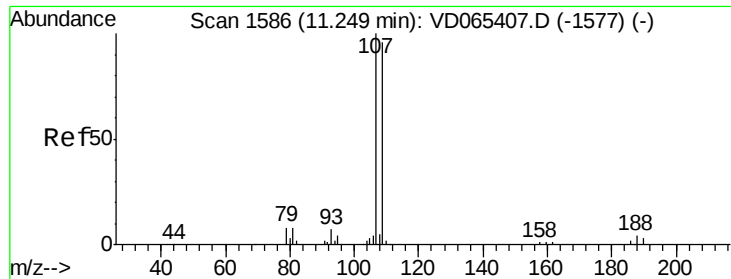
MMDadoda
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#60
Dibromochloromethane
Concen: 51.176 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion: 129 Resp: 211542
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





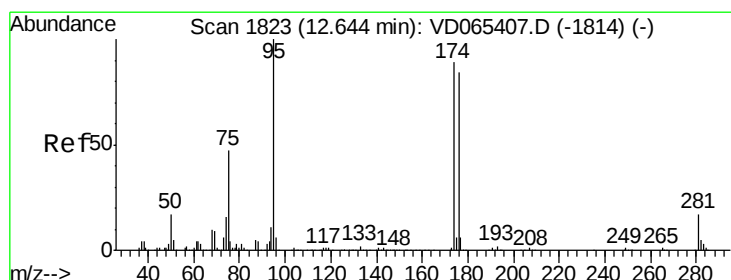
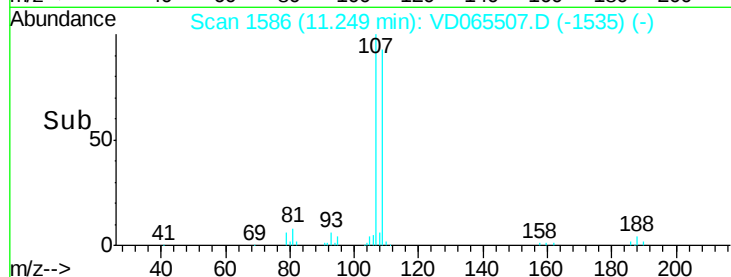
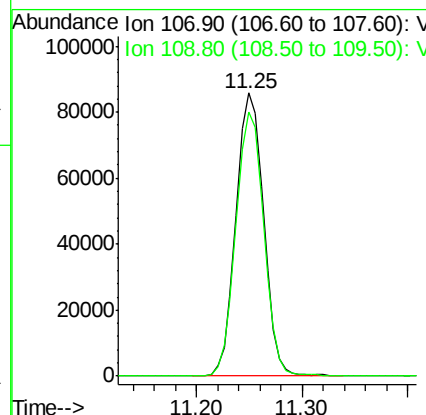
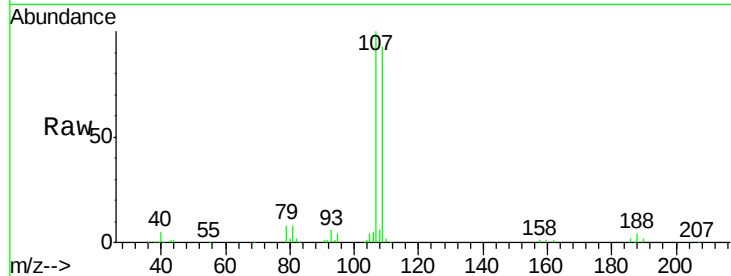
#61
 1,2-Dibromoethane
 Concen: 50.725 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.8	115.2

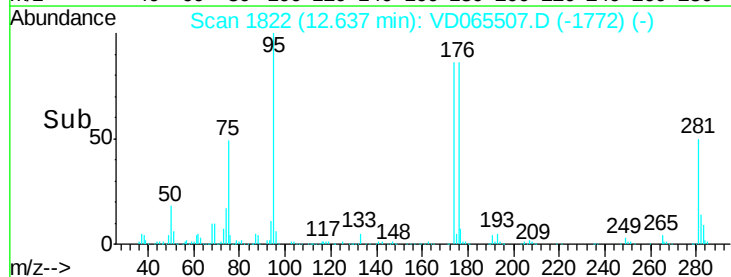
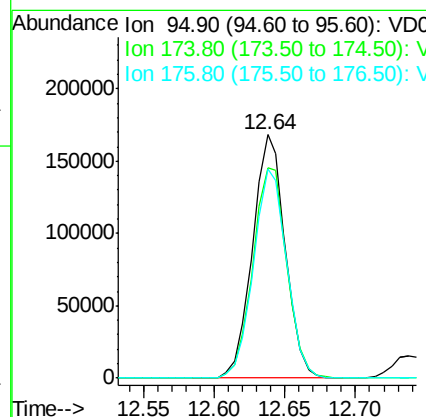
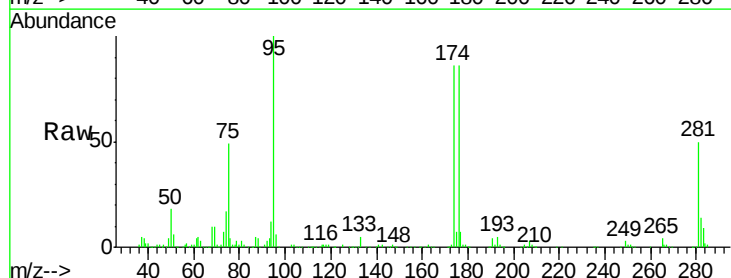
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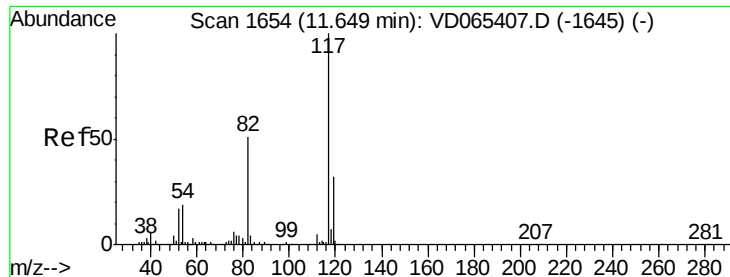
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#62
 4-Bromofluorobenzene
 Concen: 55.253 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	176.8
176	87.5	0.0	171.4





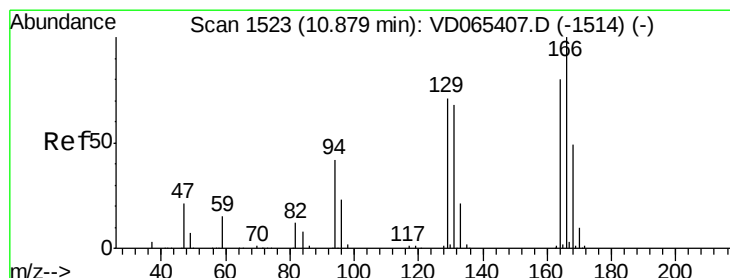
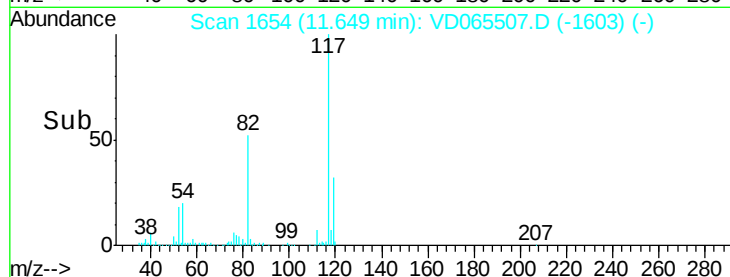
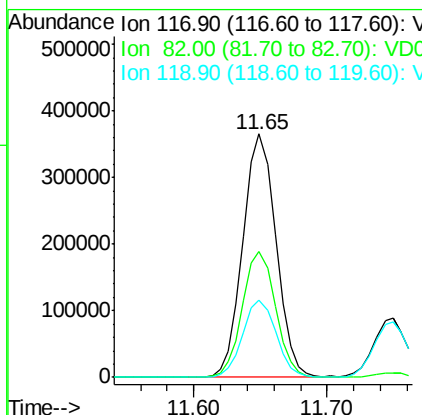
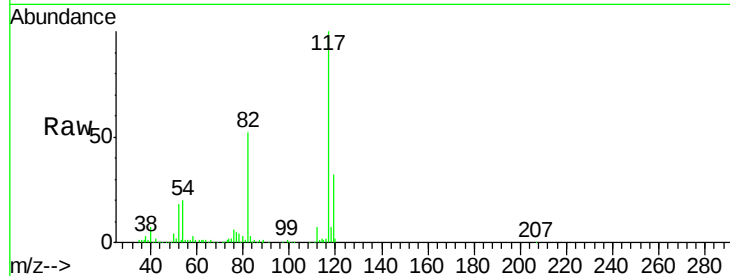
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	40.6	60.8
119	31.7	25.4	38.2

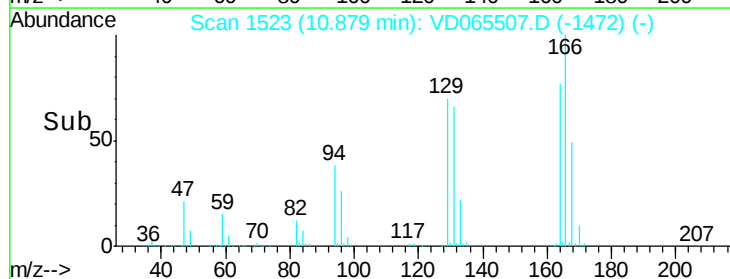
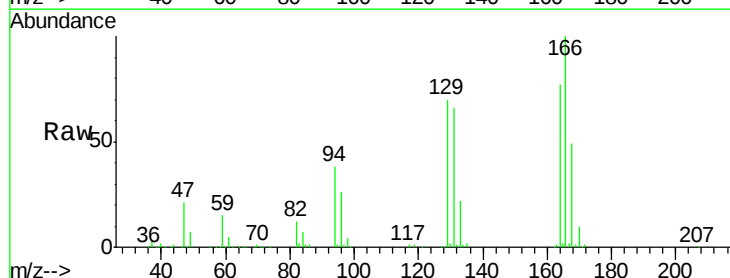
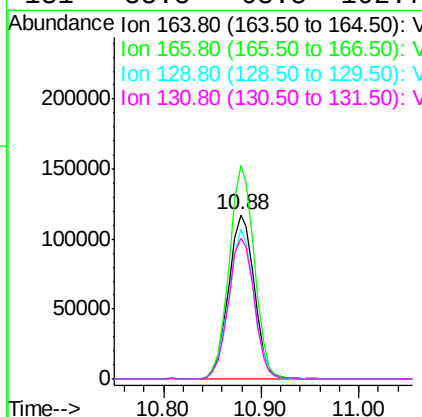
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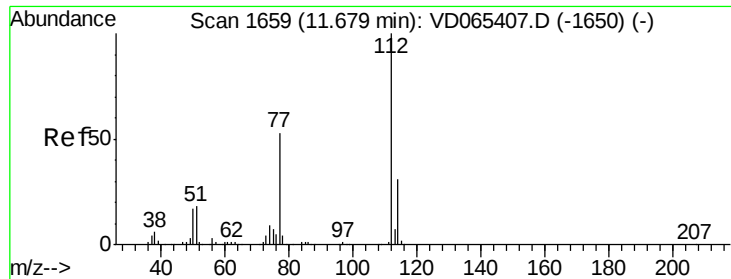
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#64
Tetrachloroethene
Concen: 47.733 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	100.5	150.7
129	91.2	71.5	107.3
131	85.5	68.5	102.7





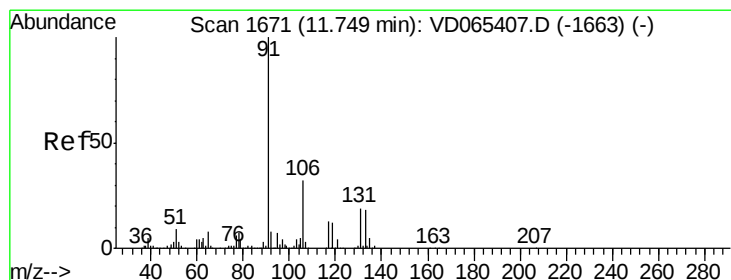
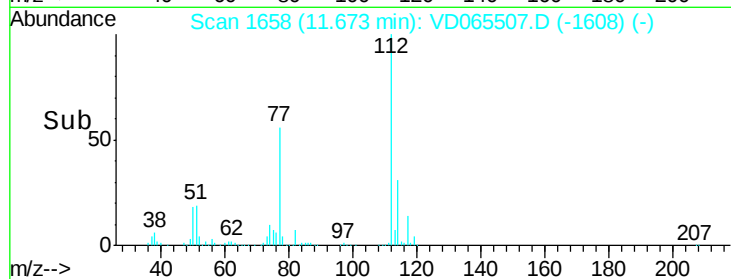
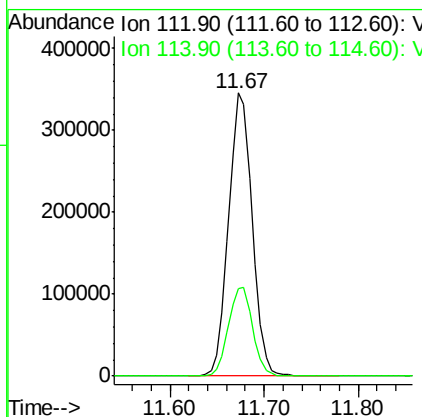
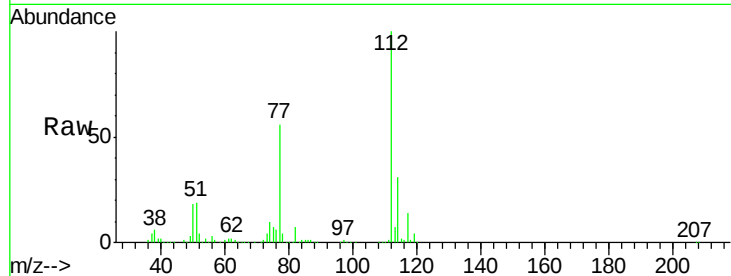
#65
Chlorobenzene
Concen: 48.356 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	24.4	36.6

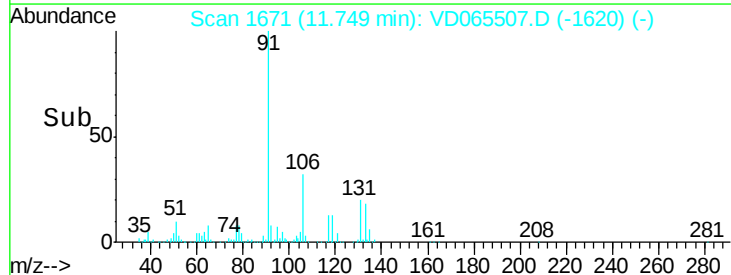
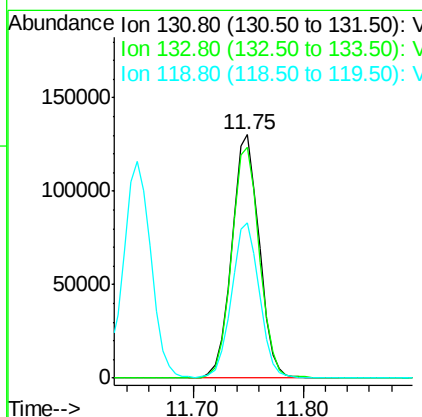
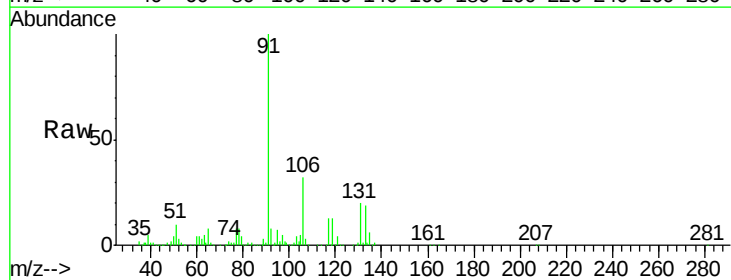
Manual Integrations
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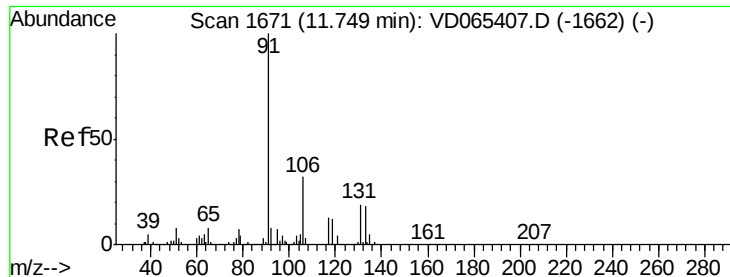
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.152 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	49.2	147.6
119	65.0	33.3	99.8





#67

Ethyl Benzene

Concen: 49.710 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1070927

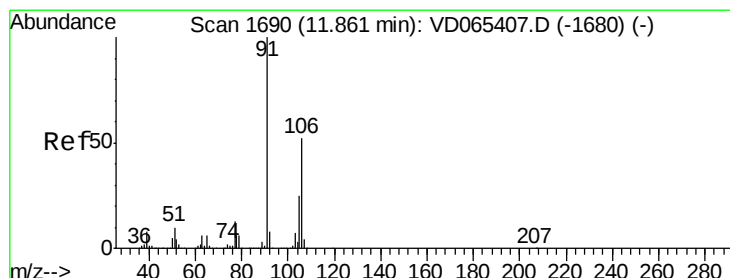
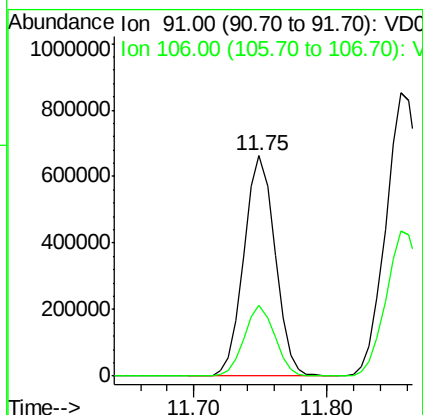
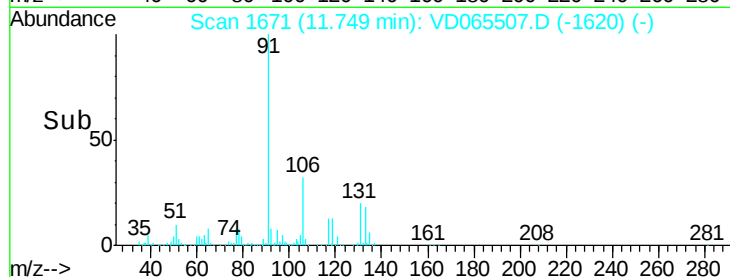
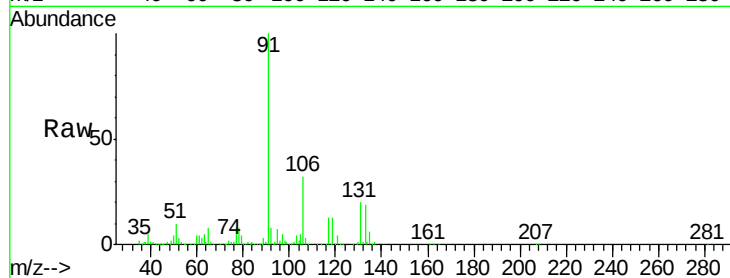
Ion Ratio Lower Upper

91 100

106 32.1 25.2 37.8

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#68

m/p-Xylenes

Concen: 99.959 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065507.D

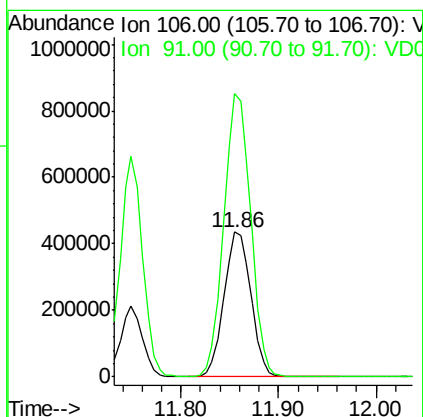
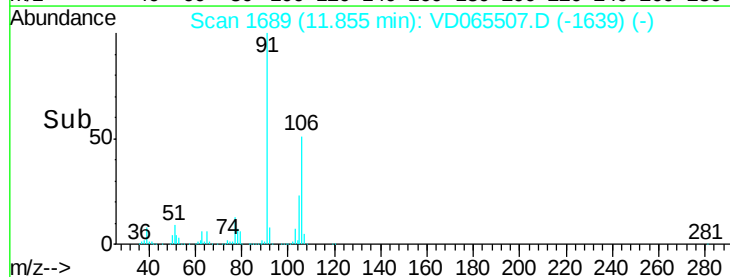
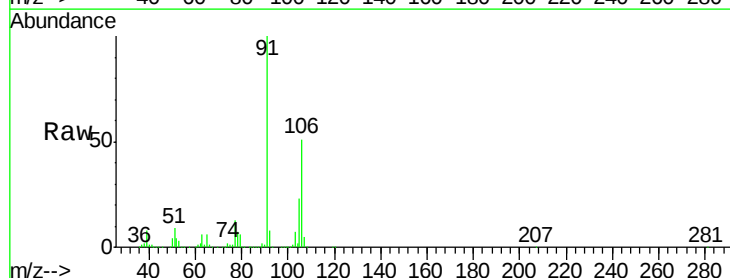
Acq: 13 Mar 2020 16:46

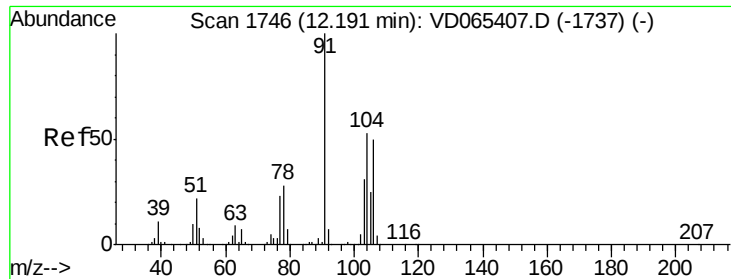
Tgt Ion: 106 Resp: 830339

Ion Ratio Lower Upper

106 100

91 195.7 155.9 233.9





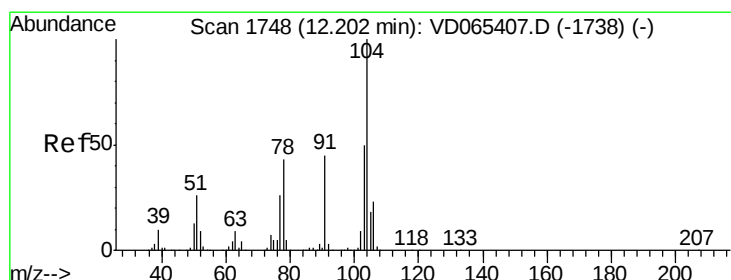
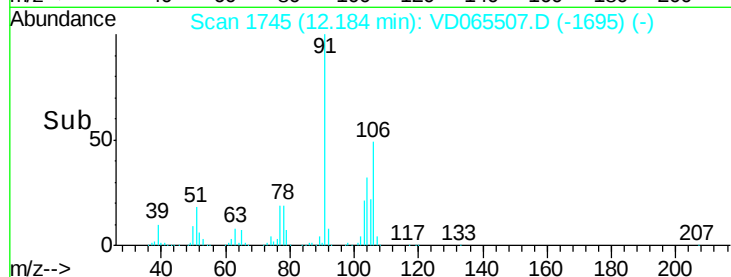
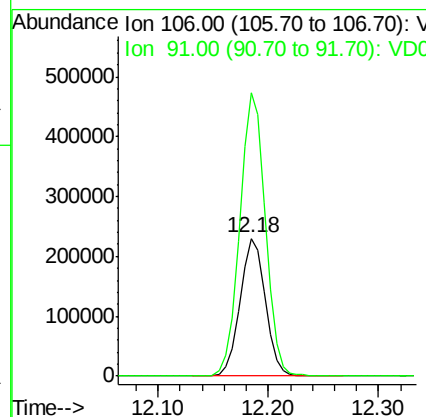
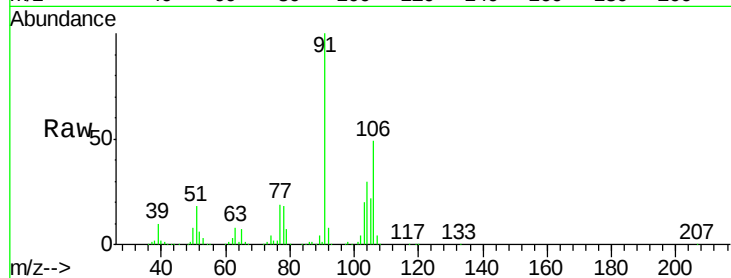
#69
o-Xylene
Concen: 50.826 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion:106 Resp: 371382
Ion Ratio Lower Upper
106 100
91 207.4 103.5 310.3

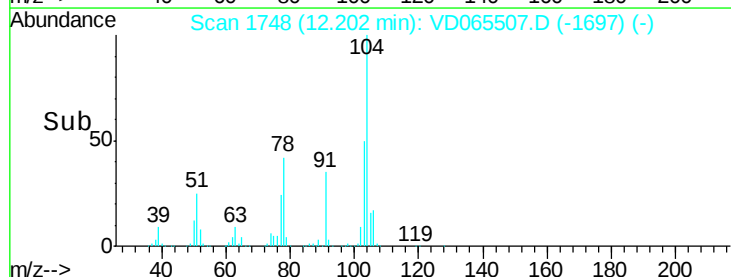
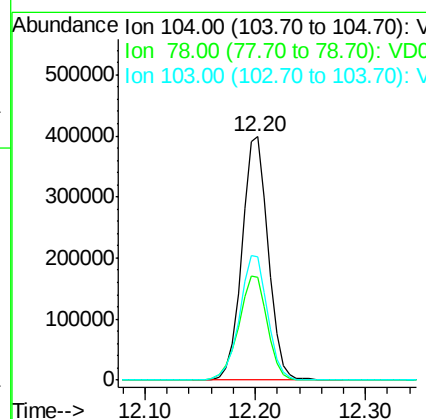
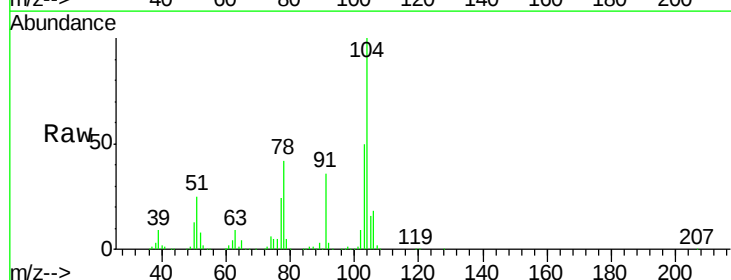
Manual Integrations
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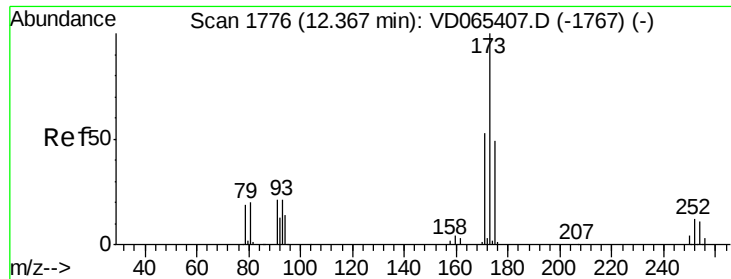
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#70
Styrene
Concen: 51.670 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion:104 Resp: 664477
Ion Ratio Lower Upper
104 100
78 46.6 37.7 56.5
103 54.3 43.6 65.4





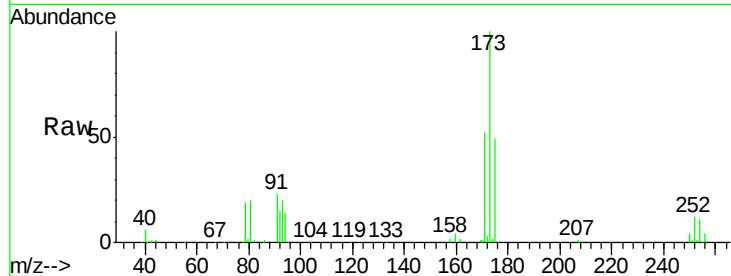
#71
Bromoform
Concen: 49.384 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

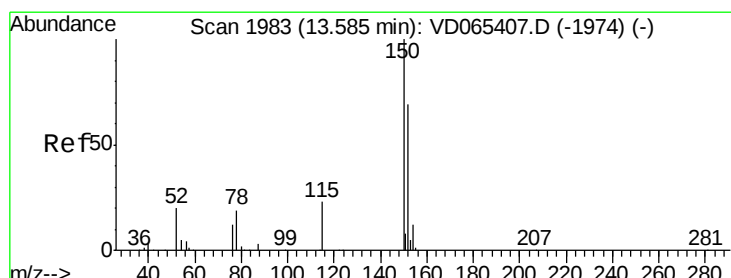
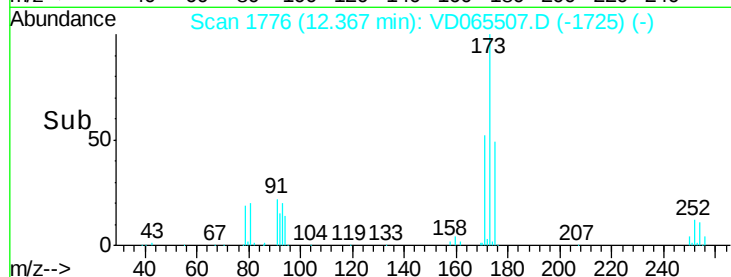
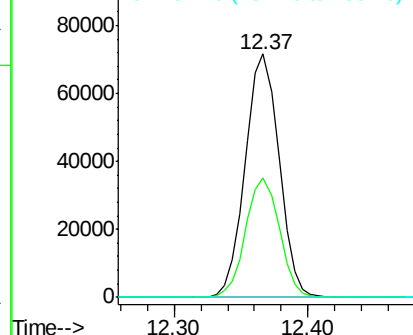
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	73.0
254	0.1	0.1	0.1#

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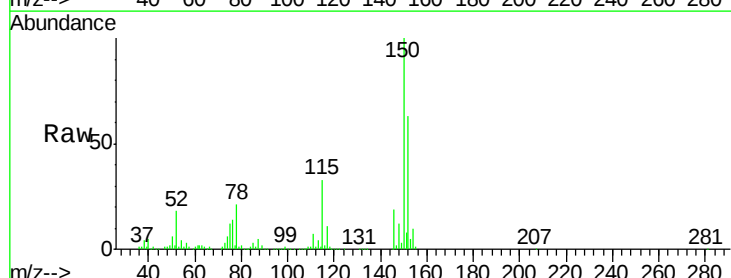


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

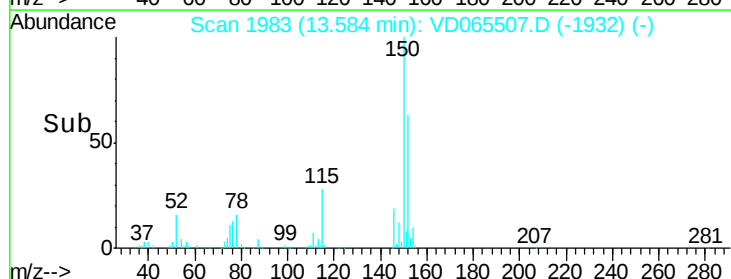
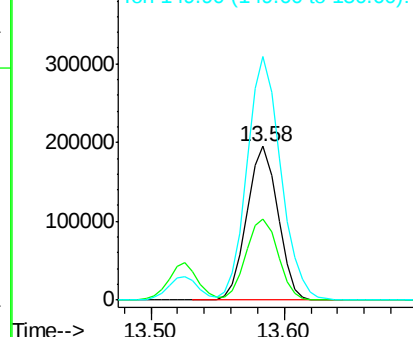


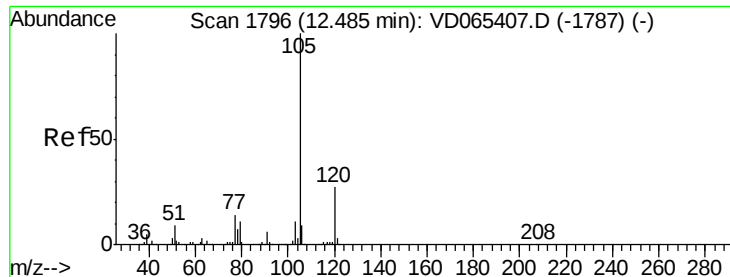
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.6	82.8
150	171.8	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: 49.698 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1024436

Ion Ratio Lower Upper

105 100

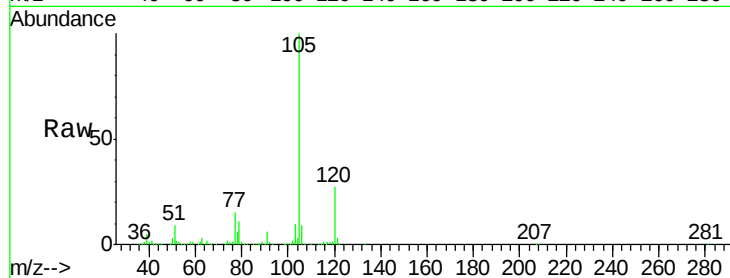
120 26.7 13.5 40.4

Manual Integrations

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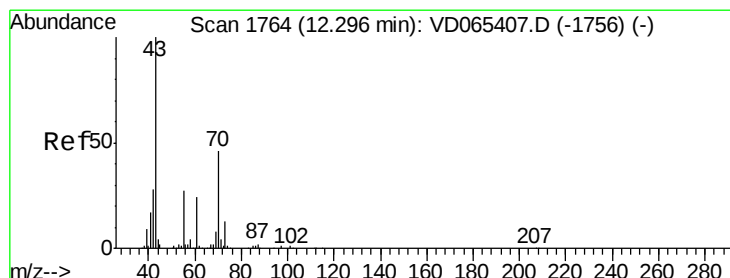
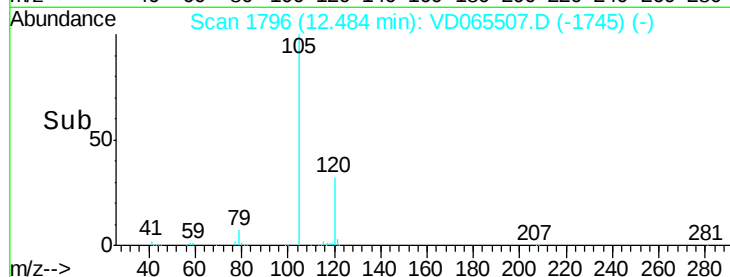
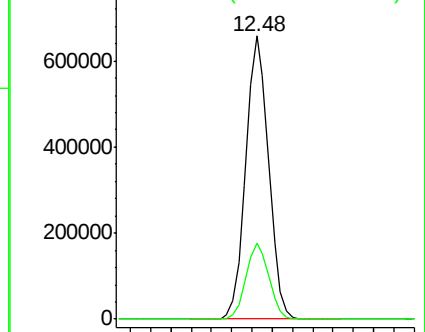
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.489 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Tgt Ion: 43 Resp: 204625

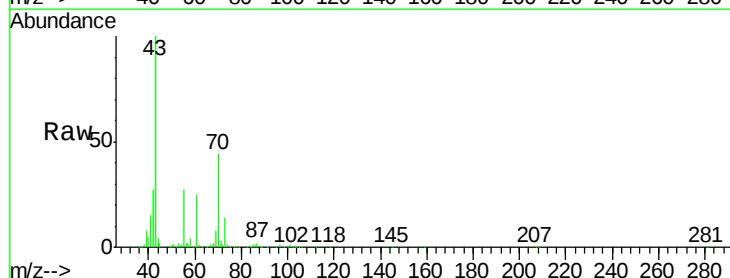
Ion Ratio Lower Upper

43 100

70 45.1 36.1 54.1

55 28.1 21.6 32.4

61 24.8 19.6 29.4

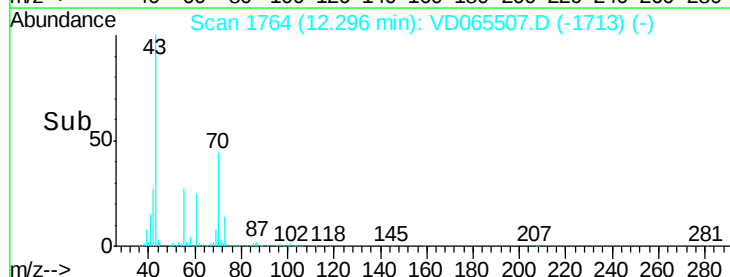
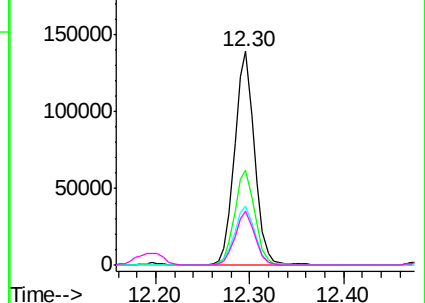


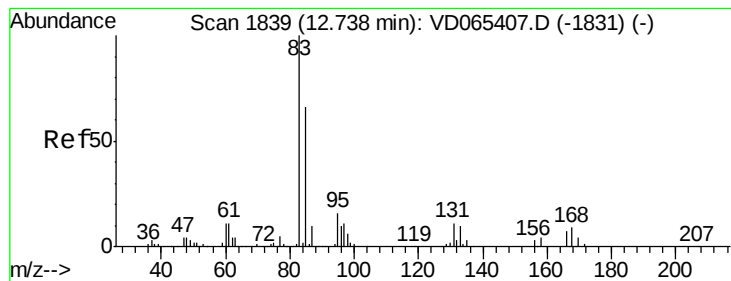
Abundance Ion 43.00 (42.70 to 43.70): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 46.940 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

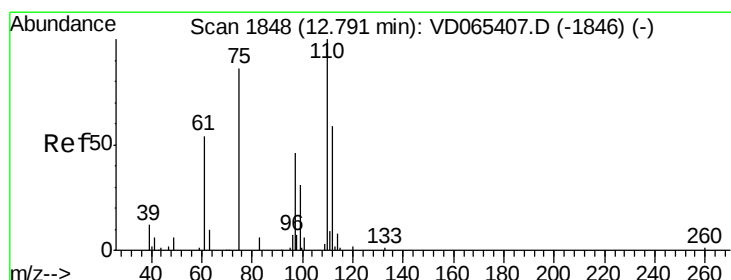
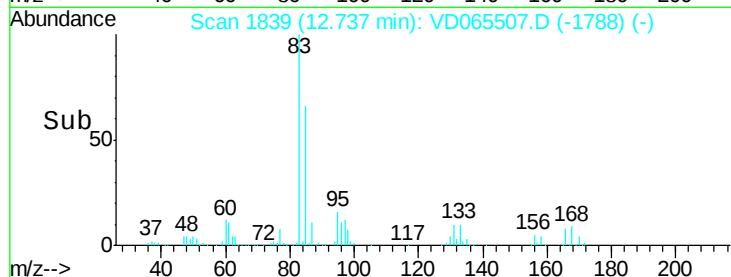
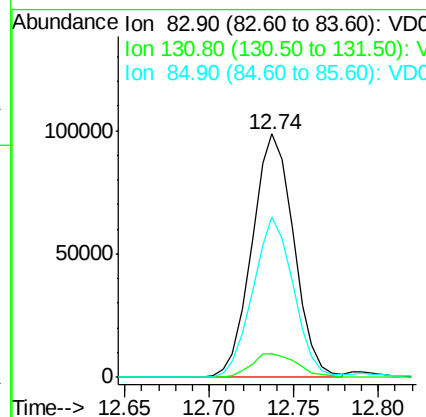
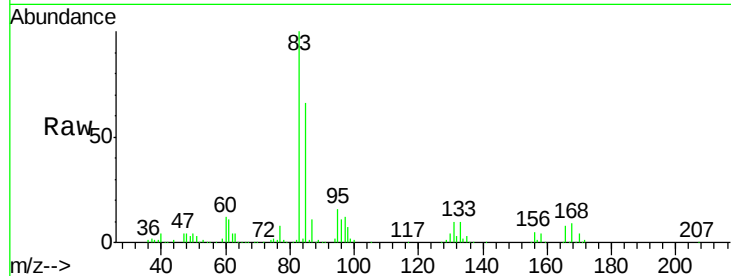
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	170079
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	64.1	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 45.747 ug/l m

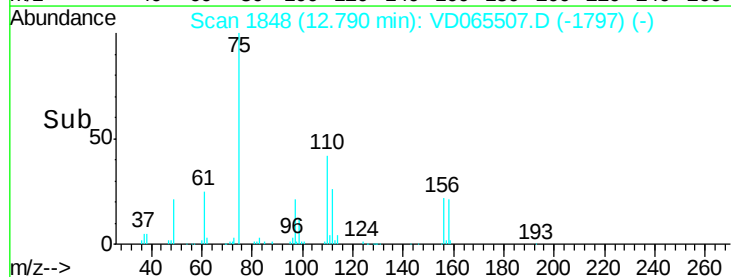
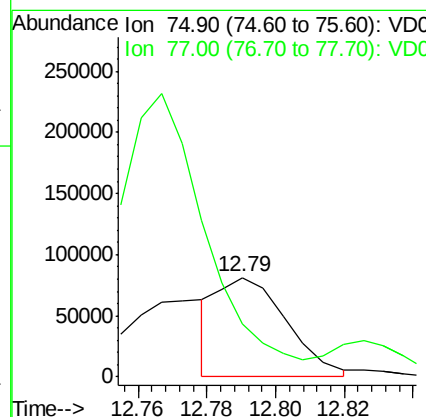
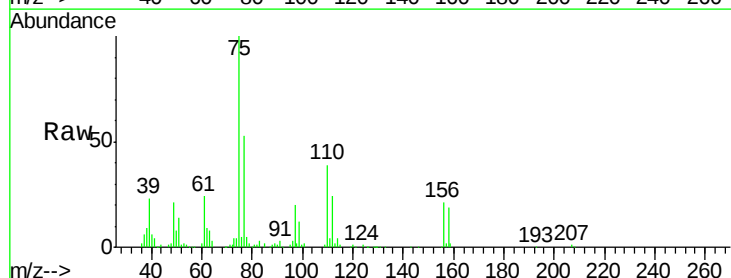
RT: 12.79 min Scan# 1848

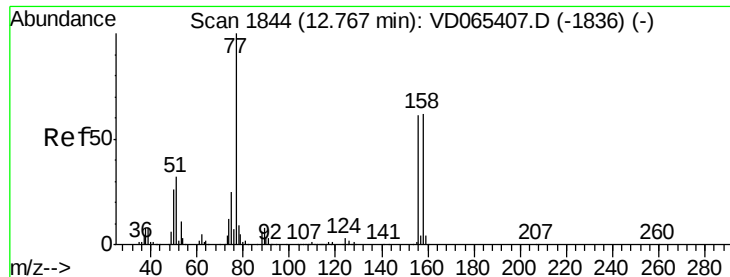
Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Tgt Ion:	75	Resp:	113129
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.987 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 250882

Ion Ratio Lower Upper

156 100

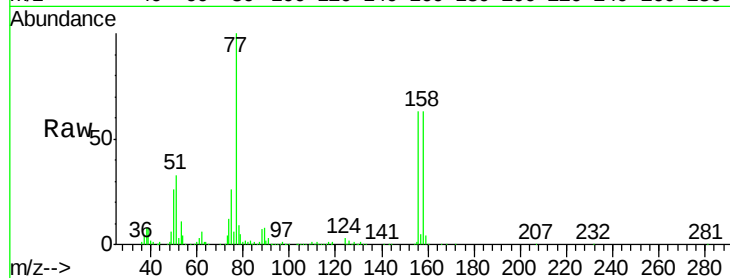
77 167.7 84.9 254.6

158 97.6 49.0 147.2

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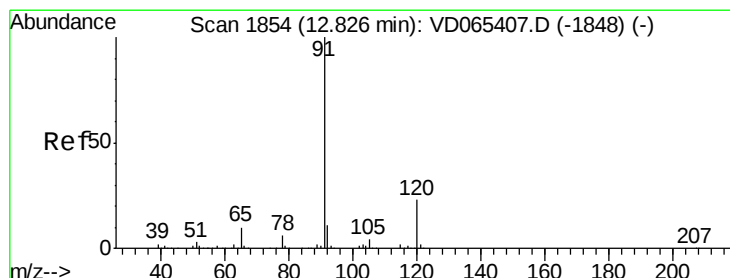
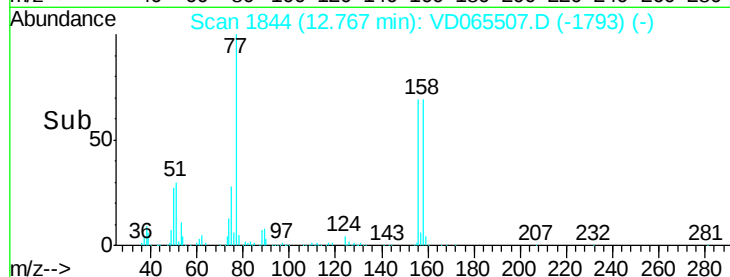
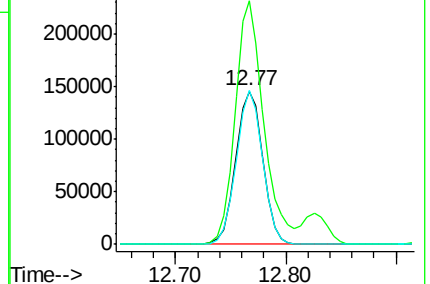
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.497 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065507.D

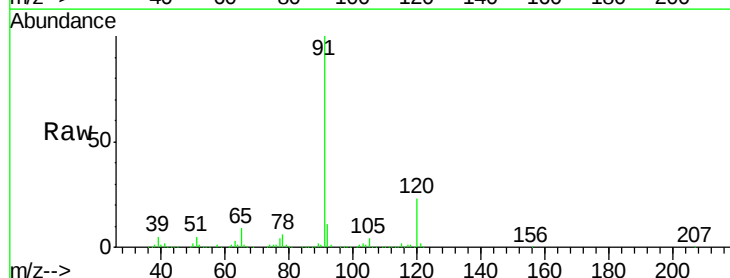
Acq: 13 Mar 2020 16:46

Tgt Ion: 91 Resp: 1210579

Ion Ratio Lower Upper

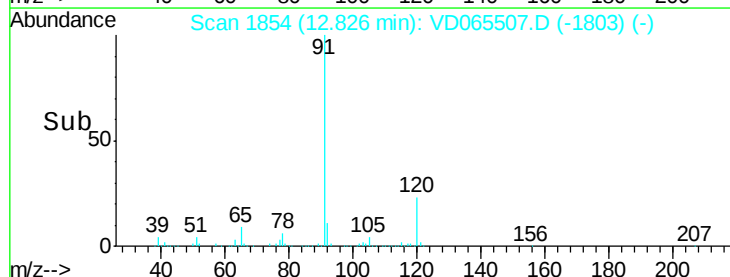
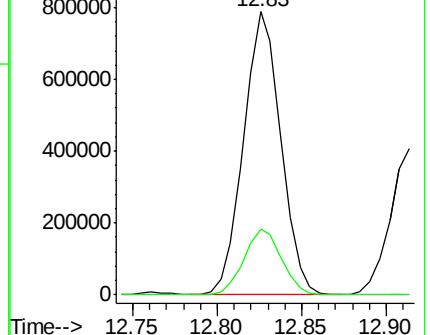
91 100

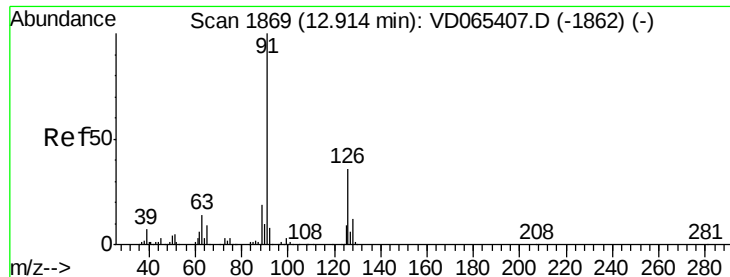
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.533 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 668977

Ion Ratio Lower Upper

91 100

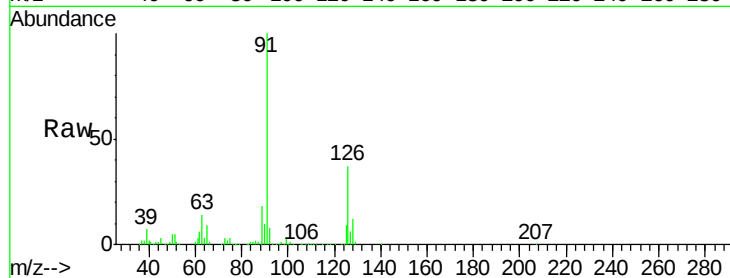
126 35.9 17.9 53.8

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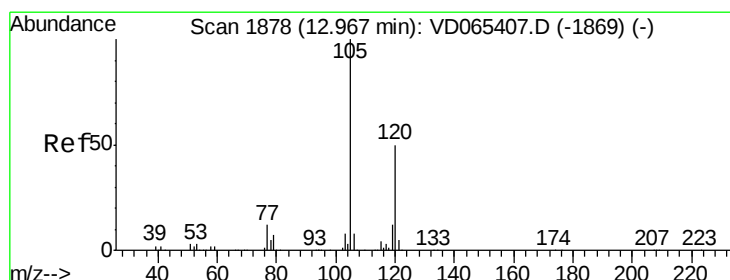
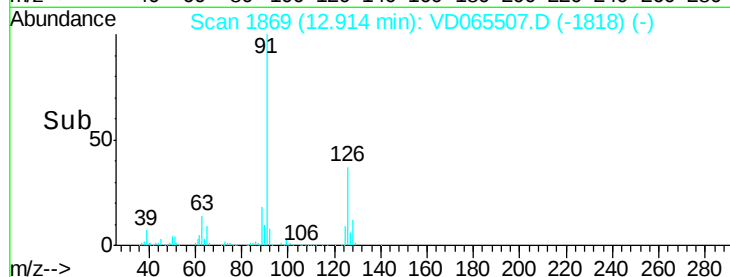
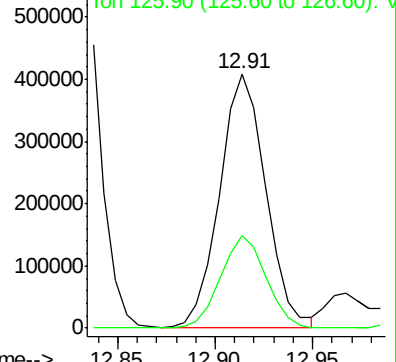
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Abundance Ion 91.00 (90.70 to 91.70): VD065507.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.531 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065507.D

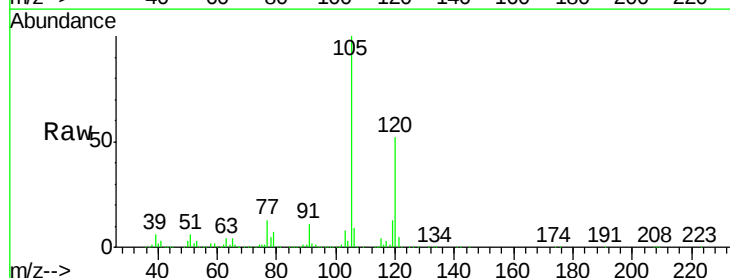
Acq: 13 Mar 2020 16:46

Tgt Ion: 105 Resp: 839370

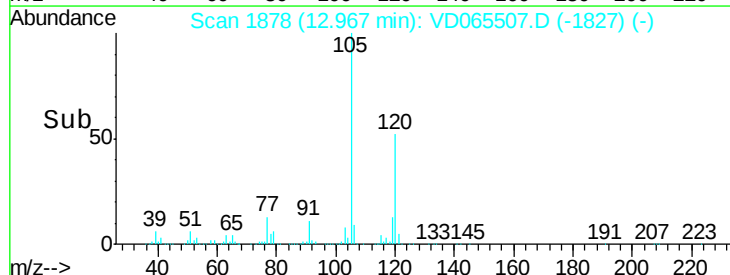
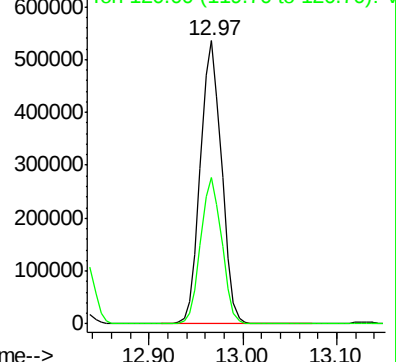
Ion Ratio Lower Upper

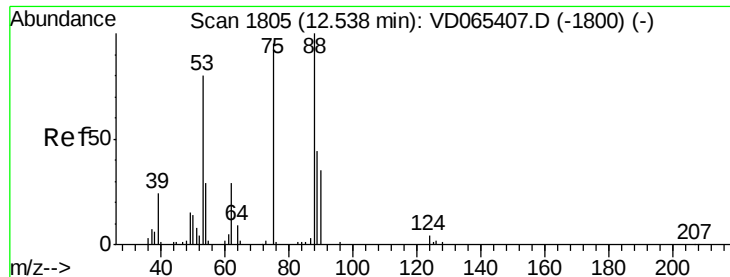
105 100

120 51.5 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065507.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.424 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

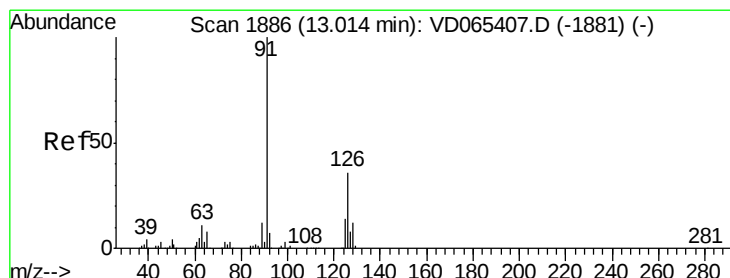
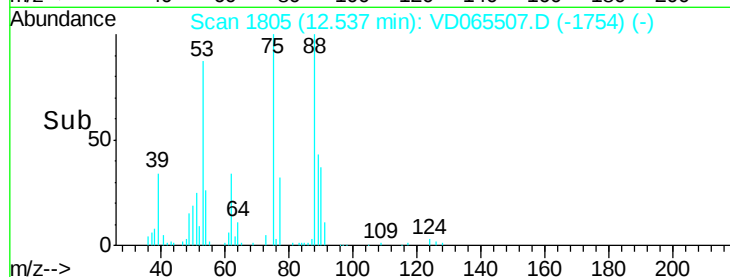
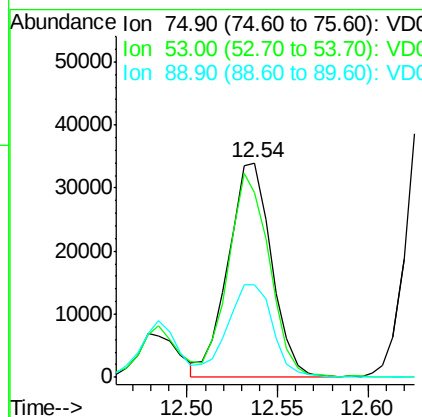
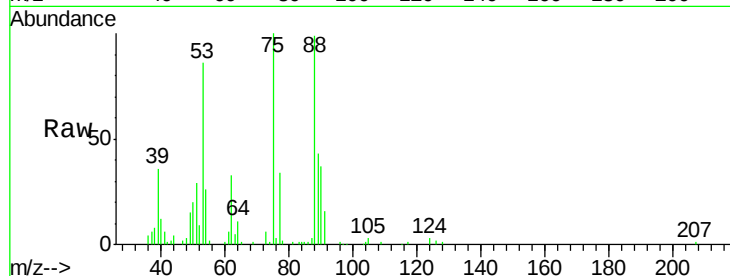
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	56745
Ion	Ratio	Lower	Upper
75	100		
53	89.9	71.3	106.9
89	45.6	37.0	55.6

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#82

4-Chlorotoluene

Concen: 49.138 ug/l

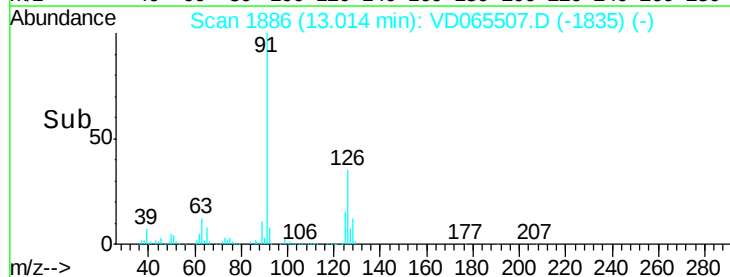
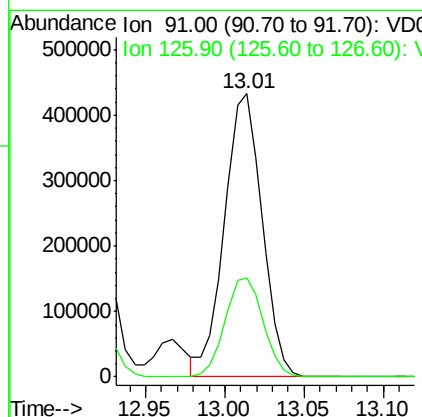
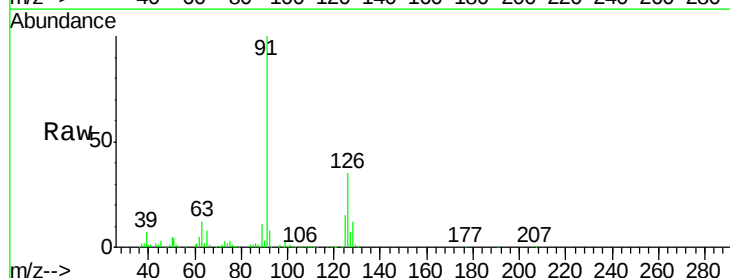
RT: 13.01 min Scan# 1886

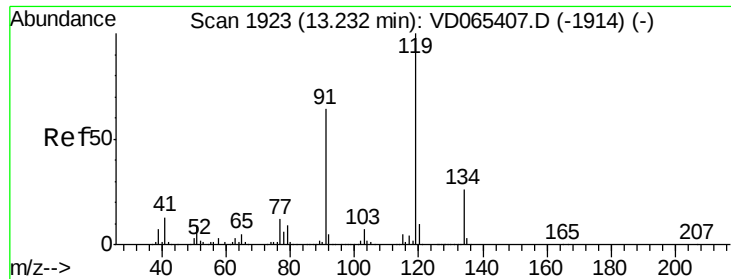
Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Tgt Ion:	91	Resp:	711747
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.6	52.8





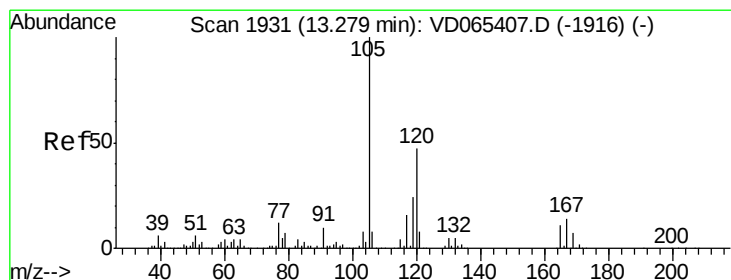
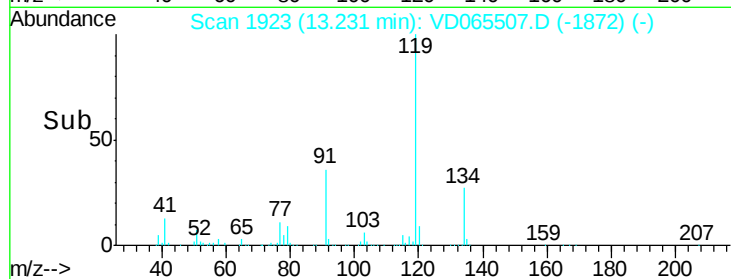
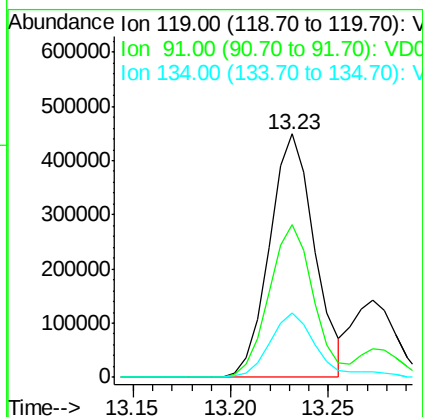
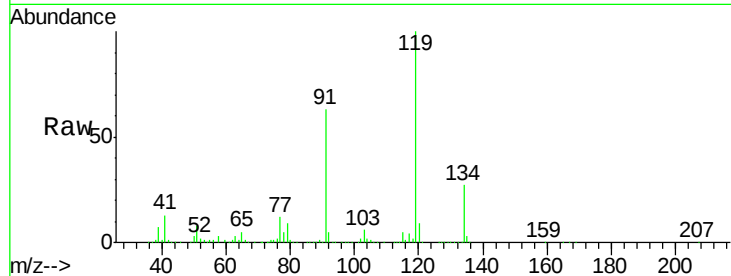
#83
tert-Butylbenzene
Concen: 50.050 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	717556		
91	62.4		31.6	95.0
134	27.7		14.2	42.8

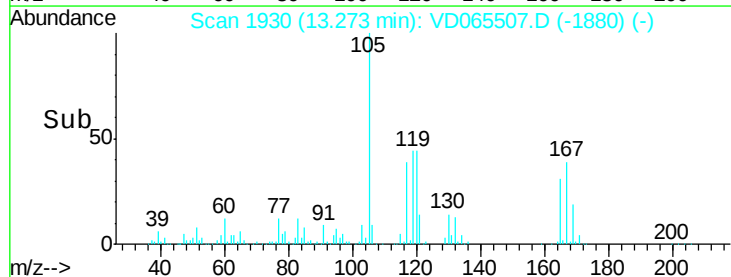
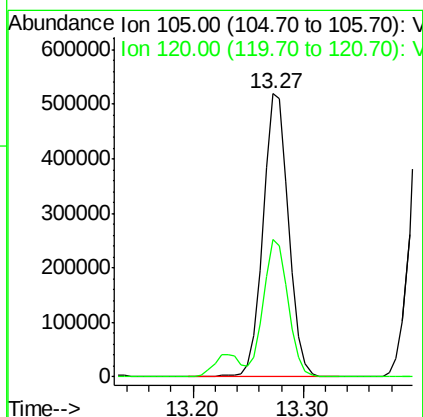
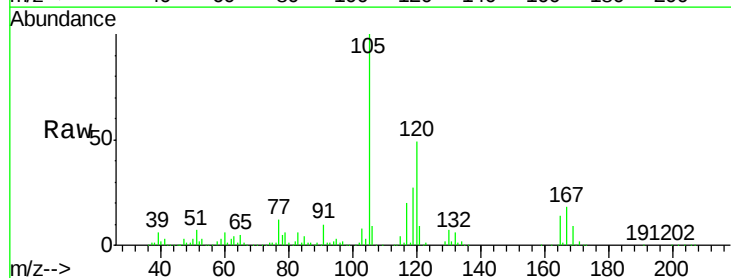
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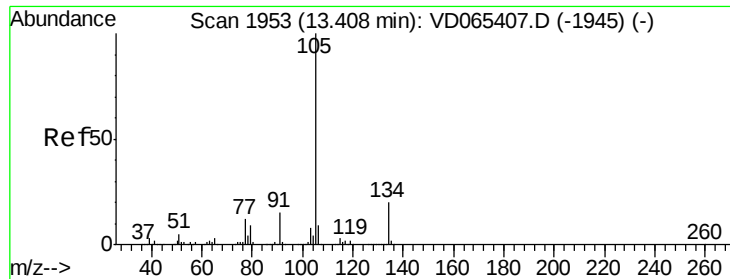
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#84
1,2,4-Trimethylbenzene
Concen: 50.400 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	841891		
120	47.0		23.4	70.3





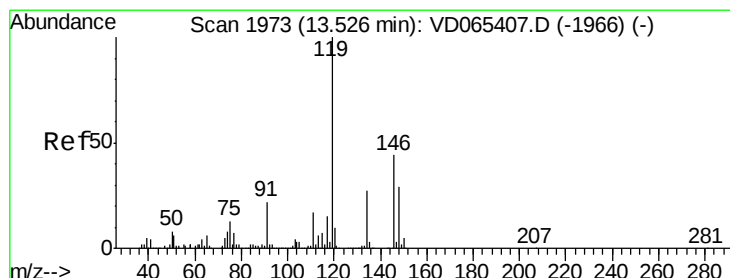
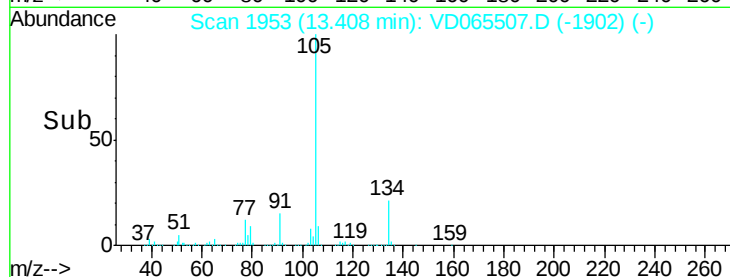
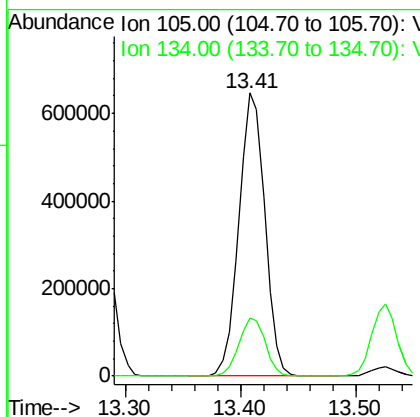
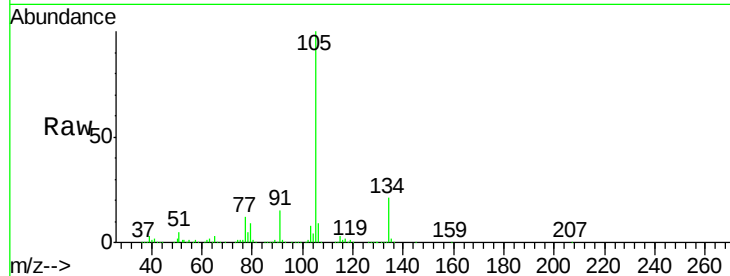
#85
 sec-Butylbenzene
 Concen: 49.248 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1007840
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.9

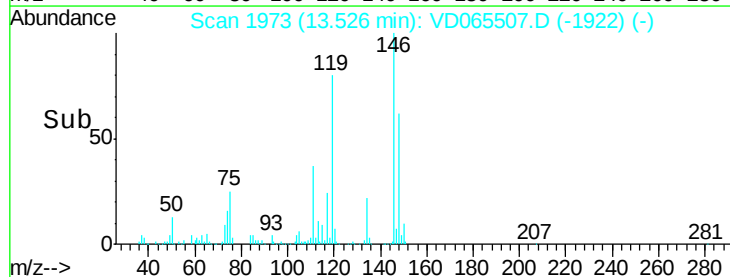
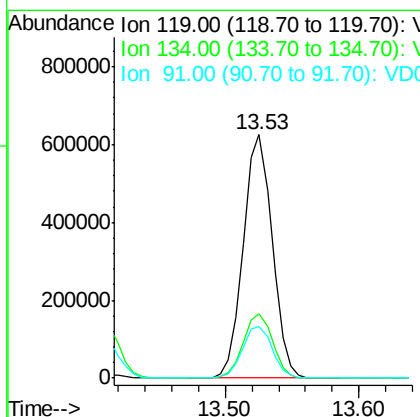
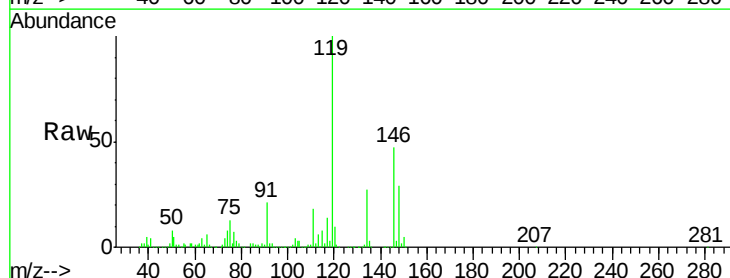
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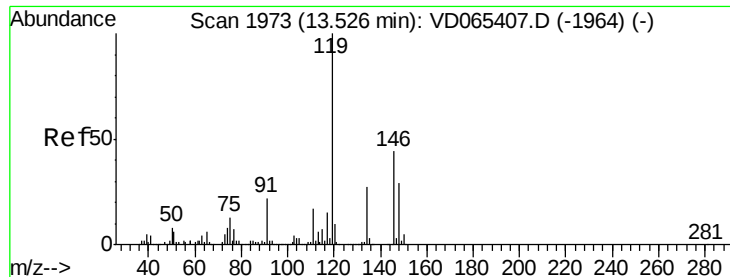
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#86
 p-Isopropyltoluene
 Concen: 49.939 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion:119 Resp: 932548
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.3 39.9
 91 21.7 10.9 32.6





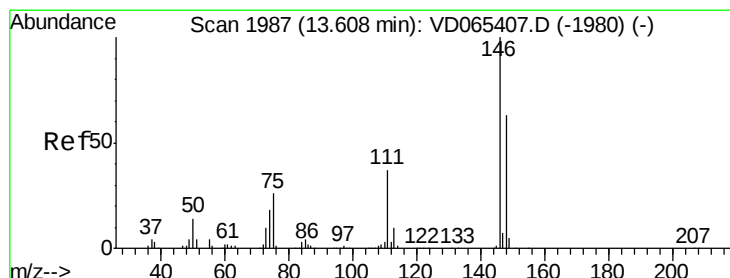
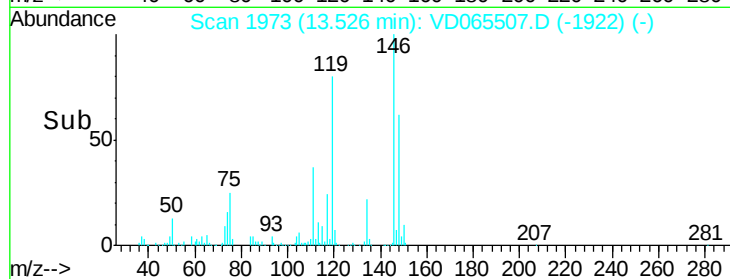
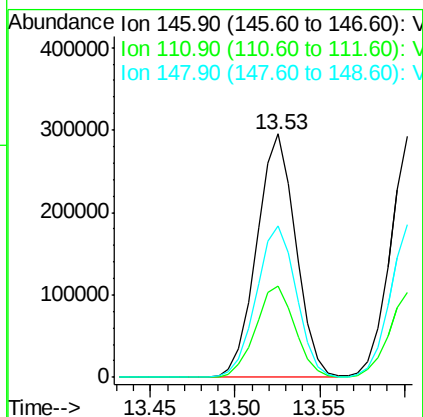
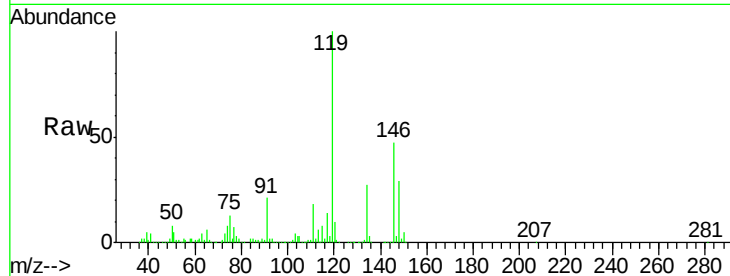
#87
 1,3-Dichlorobenzene
 Concen: 48.170 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	63.6	32.3	96.8

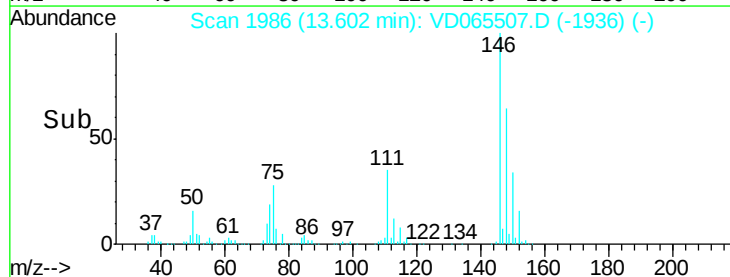
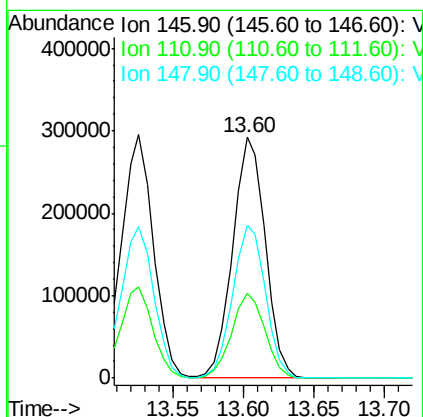
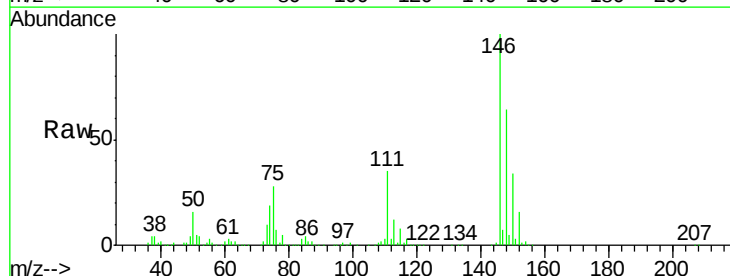
Manual Integrations
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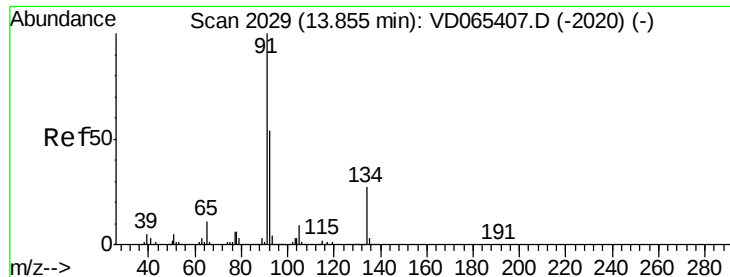
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#88
 1,4-Dichlorobenzene
 Concen: 48.052 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.5	55.5
148	63.7	32.0	96.0





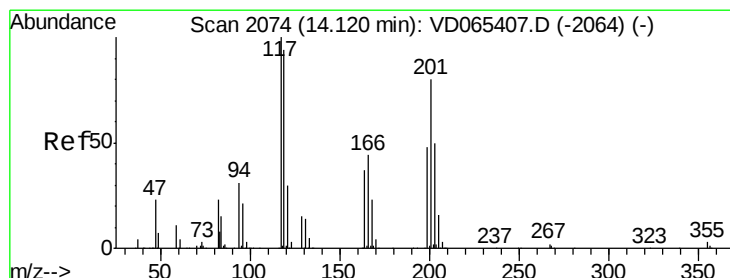
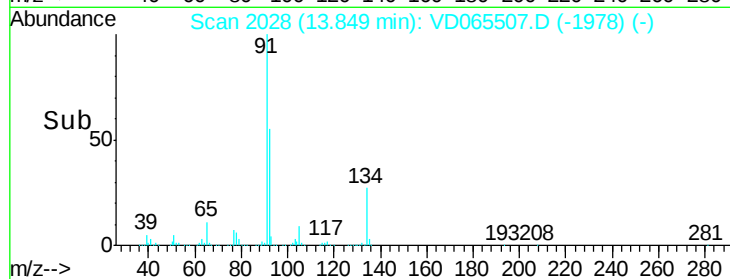
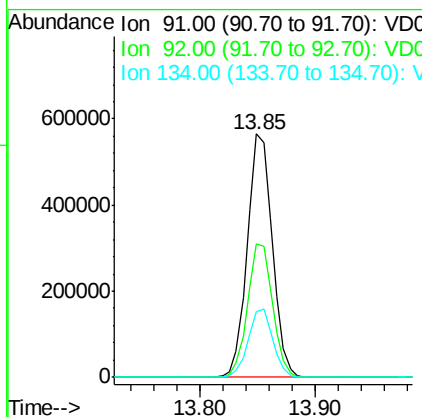
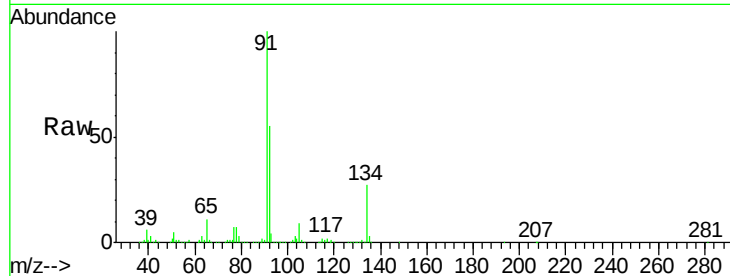
#89
n-Butylbenzene
Concen: 49.438 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	26.8	80.4
134	27.6	13.4	40.2

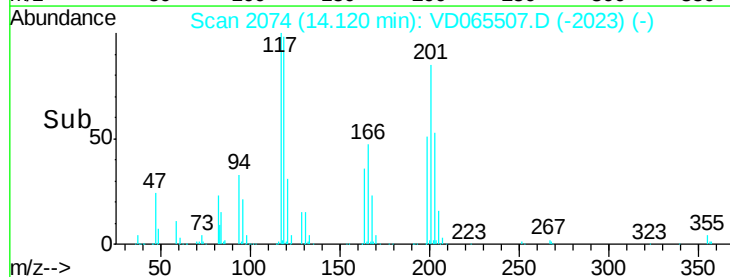
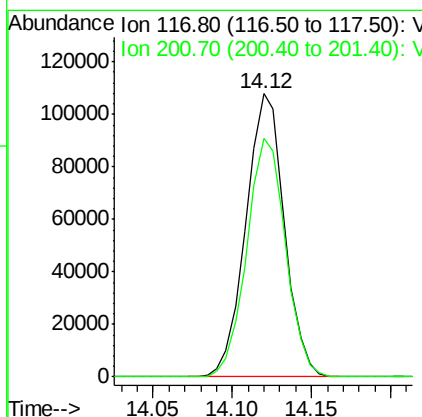
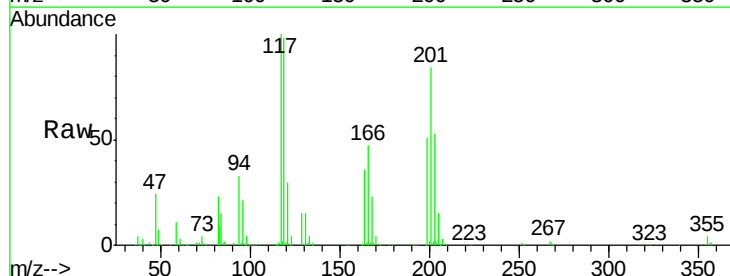
Manual Integrations
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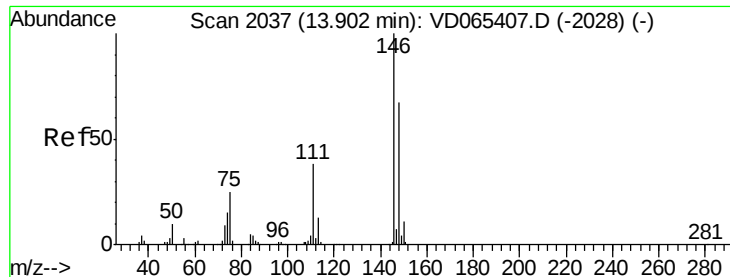
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#90
Hexachloroethane
Concen: 47.350 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	41.9	125.6





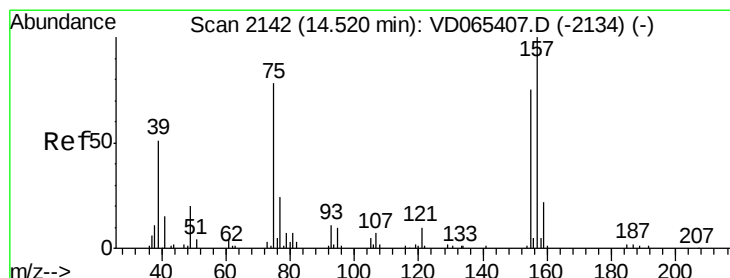
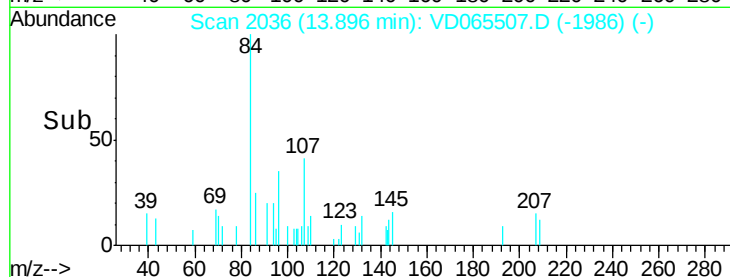
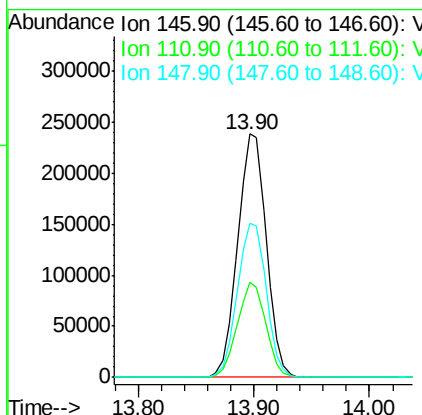
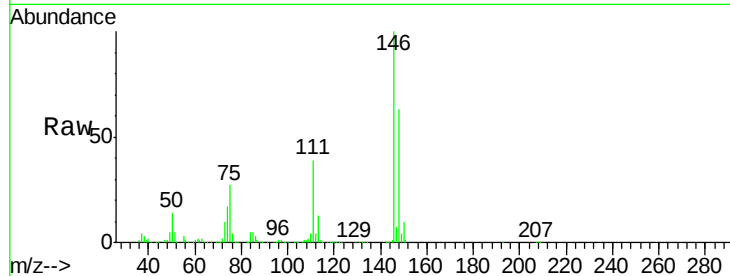
#91
 1,2-Dichlorobenzene
 Concen: 48.914 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	63.8	32.6	97.8

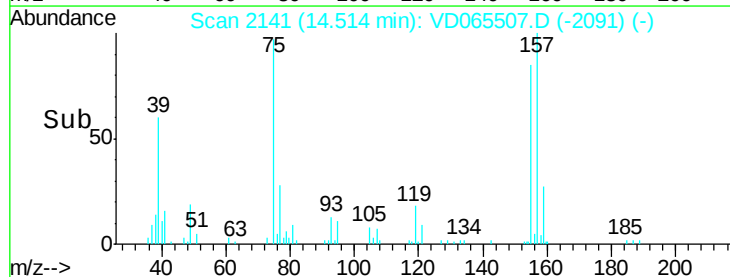
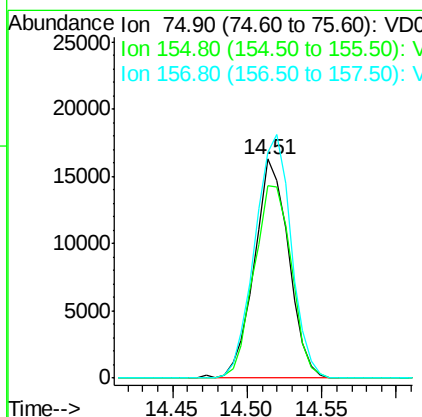
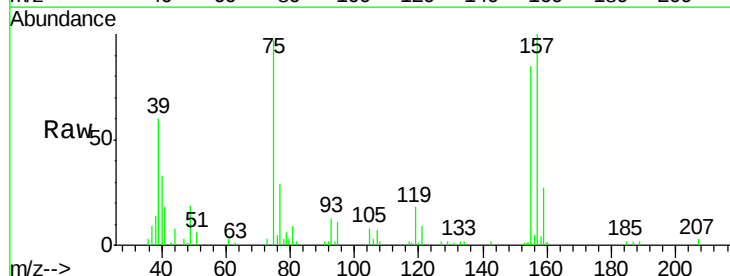
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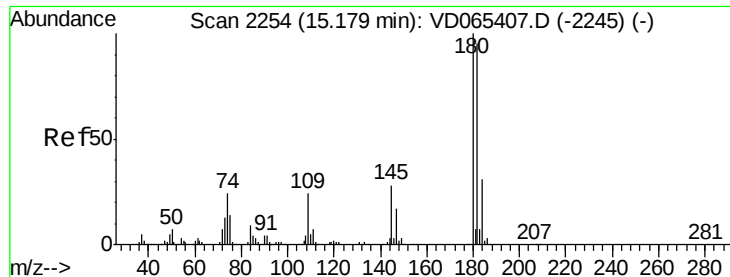
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.840 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	46.4	139.1
157	117.5	60.2	180.4





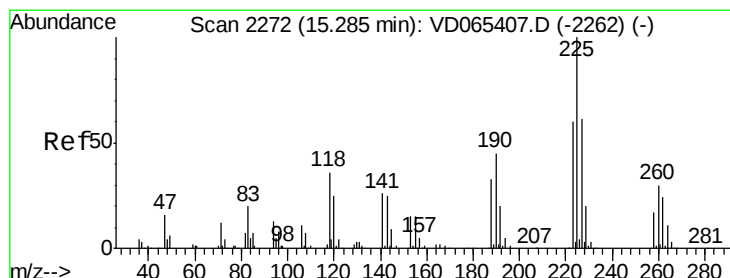
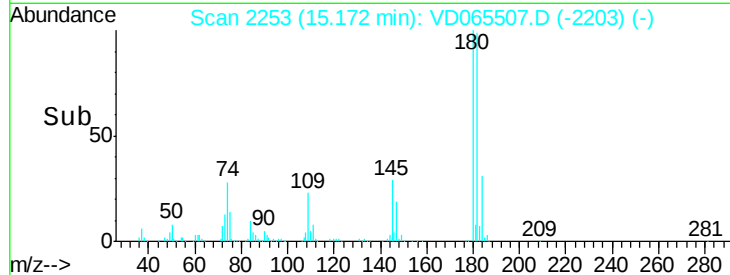
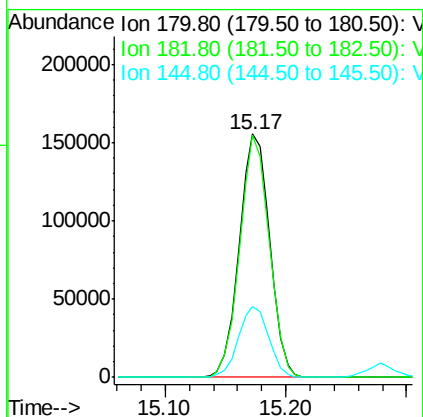
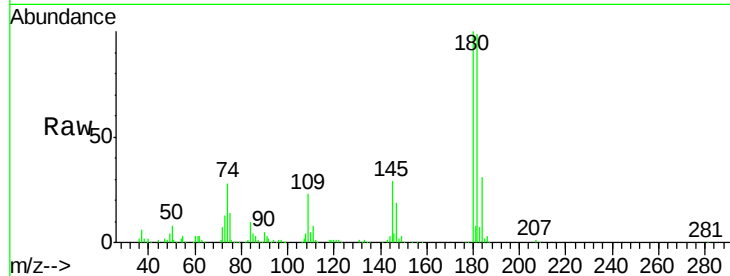
#93
 1,2,4-Trichlorobenzene
 Concen: 48.101 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	273166		
182	96.6	48.3	144.9	
145	28.9	14.4	43.4	

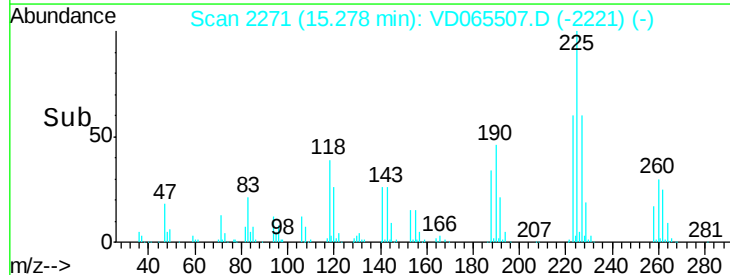
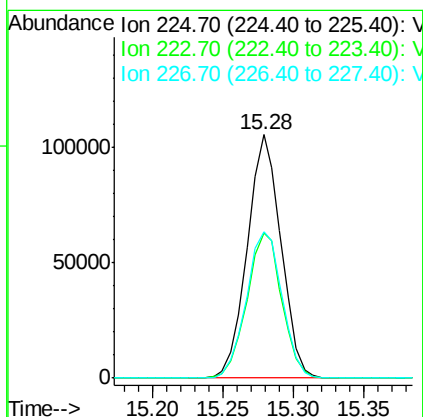
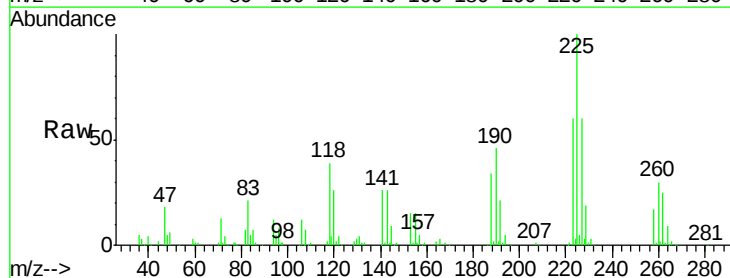
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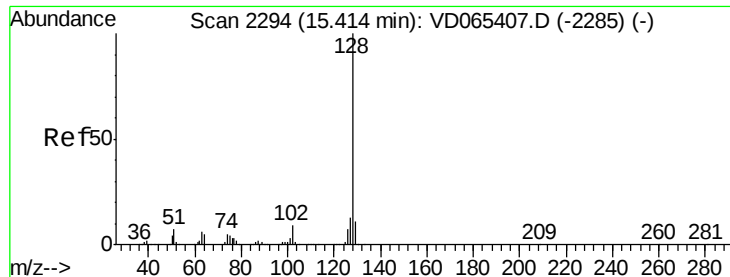
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#94
 Hexachlorobutadiene
 Concen: 47.424 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	176964		
223	61.8	30.9	92.5	
227	63.7	31.6	94.7	





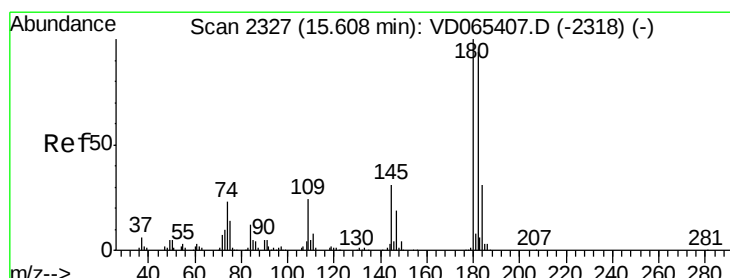
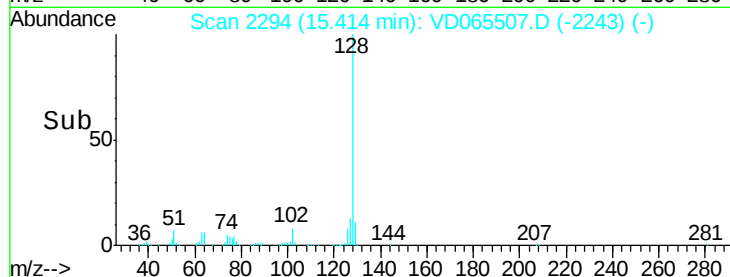
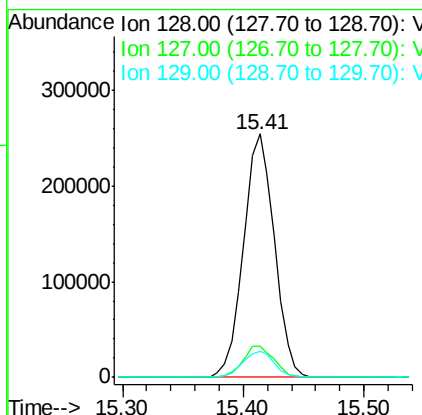
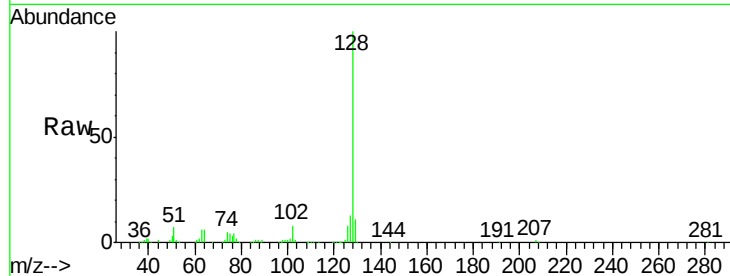
#95
Naphthalene
Concen: 45.282 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.800 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	46.9	140.6
145	30.7	15.0	45.1

