

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031120\
 Data File : VD065481.D
 Acq On : 11 Mar 2020 16:49
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/13/2020 9:49:39 AM

Quant Time: Mar 11 17:18:12 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	477161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	682088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	628534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304449	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	201772	49.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.60%	
35) Dibromofluoromethane	7.91	113	214145	50.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.54%	
50) Toluene-d8	10.34	98	832722	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.64	95	261602	52.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	169406	41.310	ug/l	100
3) Chloromethane	2.21	50	214104	43.244	ug/l	98
4) Vinyl Chloride	2.35	62	216396	44.312	ug/l	97
5) Bromomethane	2.77	94	130810	47.572	ug/l	97
6) Chloroethane	2.93	64	138259	46.227	ug/l	95
7) Trichlorofluoromethane	3.27	101	327439	45.505	ug/l	99
8) Diethyl Ether	3.70	74	98978	46.254	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	213222	46.009	ug/l	99
10) Methyl Iodide	4.29	142	235608	48.936	ug/l	99
11) Tert butyl alcohol	5.23	59	53159m	226.423	ug/l	
12) 1,1-Dichloroethene	4.06	96	202928	45.729	ug/l	96
13) Acrolein	3.93	56	110552	273.034	ug/l	100
14) Allyl chloride	4.71	41	318409	46.708	ug/l	99
15) Acrylonitrile	5.42	53	220815	237.198	ug/l	98
16) Acetone	4.16	43	179842	217.256	ug/l	94
17) Carbon Disulfide	4.40	76	647197	43.794	ug/l	99
18) Methyl Acetate	4.72	43	95835	45.640	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	420531	49.278	ug/l	100
20) Methylene Chloride	4.96	84	231997	51.728	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	233497	47.300	ug/l	98
22) Diisopropyl ether	6.36	45	639569	50.469	ug/l	98
23) Vinyl Acetate	6.30	43	1785004	253.682	ug/l	99
24) 1,1-Dichloroethane	6.26	63	392796	48.324	ug/l	97
25) 2-Butanone	7.22	43	259988	230.151	ug/l	99
26) 2,2-Dichloropropane	7.21	77	339510	47.797	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	249734	49.493	ug/l	98
28) Bromochloromethane	7.54	49	166116	51.081	ug/l	99
29) Tetrahydrofuran	7.57	42	174704	242.173	ug/l	99
30) Chloroform	7.71	83	393181	48.395	ug/l	97
31) Cyclohexane	7.98	56	357825	44.025	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	357939	47.675	ug/l	99
36) 1,1-Dichloropropene	8.11	75	316706	48.439	ug/l	100
37) Ethyl Acetate	7.30	43	123430	48.842	ug/l	99
38) Carbon Tetrachloride	8.10	117	327180	48.257	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	369812	46.831	ug/l	93
40) Benzene	8.35	78	916006	50.108	ug/l	100
41) Methacrylonitrile	7.53	41	67913	50.815	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	236849	49.617	ug/l	100
43) Isopropyl Acetate	8.46	43	224981	48.215	ug/l	100
44) Trichloroethene	9.11	130	252928	48.993	ug/l	97
45) 1,2-Dichloropropane	9.39	63	222814	50.317	ug/l	97
46) Dibromomethane	9.48	93	114005	49.634	ug/l	96
47) Bromodichloromethane	9.66	83	297783	49.833	ug/l	97
48) Methyl methacrylate	9.46	41	105961	48.275	ug/l	98
49) 1,4-Dioxane	9.47	88	26458	1007.026	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	598126	254.725	ug/l	100
52) Toluene	10.40	92	585442	50.836	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	281126	50.343	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	341165	50.473	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	160171	49.235	ug/l	98
56) Ethyl methacrylate	10.66	69	190775	52.018	ug/l	98
57) 1,3-Dichloropropane	10.95	76	277058	50.334	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	275452	240.392	ug/l	99
59) 2-Hexanone	10.99	43	404081	248.593	ug/l	100
60) Dibromochloromethane	11.14	129	211559	50.732	ug/l	100
61) 1,2-Dibromoethane	11.25	107	153219	49.377	ug/l	100
64) Tetrachloroethene	10.88	164	214059	47.528	ug/l	99
65) Chlorobenzene	11.67	112	596984	47.997	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	226513	50.003	ug/l	97
67) Ethyl Benzene	11.75	91	1077032	50.115	ug/l	100
68) m/p-Xylenes	11.85	106	839166	101.265	ug/l	99
69) o-Xylene	12.18	106	373052	51.177	ug/l	100
70) Styrene	12.20	104	661702	51.579	ug/l	100
71) Bromoform	12.37	173	124876	49.077	ug/l #	99
73) Isopropylbenzene	12.48	105	1013958	50.634	ug/l	100
74) N-amyl acetate	12.30	43	201556	49.165	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	168298	47.813	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	113088m	47.074	ug/l	
77) Bromobenzene	12.77	156	248807	50.009	ug/l	99
78) n-propylbenzene	12.83	91	1196915	50.376	ug/l	100
79) 2-Chlorotoluene	12.91	91	674125	50.343	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	823256	50.007	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	54827	48.162	ug/l	97
82) 4-Chlorotoluene	13.01	91	699568	49.716	ug/l	99
83) tert-Butylbenzene	13.23	119	699195	50.202	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	817444	50.373	ug/l	99
85) sec-Butylbenzene	13.41	105	970612	48.822	ug/l	100
86) p-Isopropyltoluene	13.53	119	899690	49.594	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	463130	48.418	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	454663	47.784	ug/l	99
89) n-Butylbenzene	13.85	91	814284	48.552	ug/l	99
90) Hexachloroethane	14.12	117	174464	46.699	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	401400	49.312	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24345	45.413	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	261579	47.413	ug/l	100
94) Hexachlorobutadiene	15.28	225	167112	46.099	ug/l	99
95) Naphthalene	15.41	128	435831	44.824	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	226977	47.610	ug/l	98

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

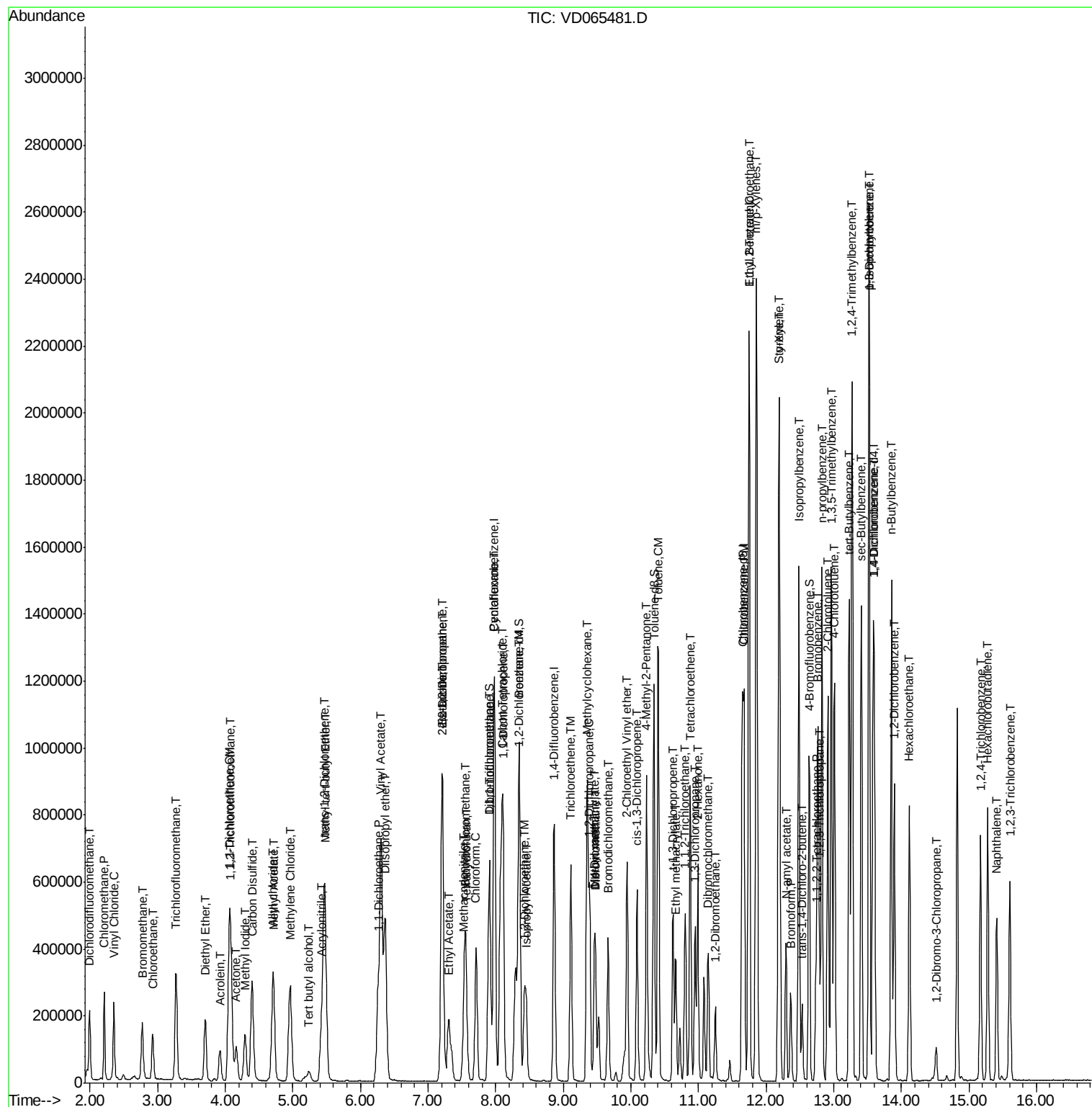
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031120\
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Operator : VA/SY
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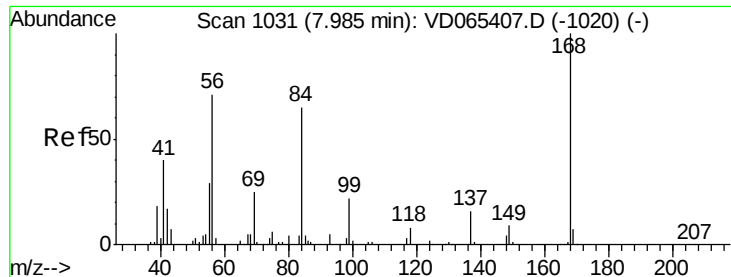
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 477161

Ion Ratio Lower Upper

168 100

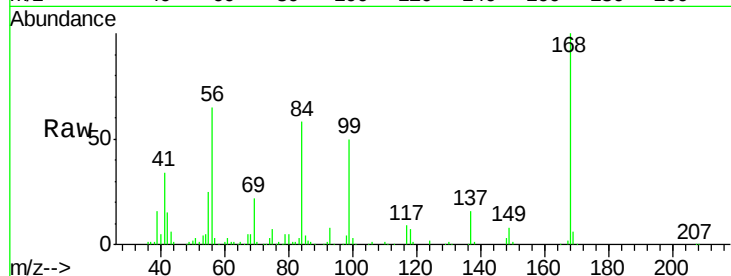
99 49.7 41.5 62.3

Manual Integrations

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3/13/2020 9:49:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

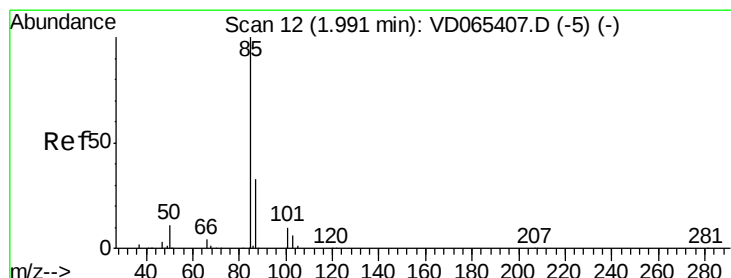
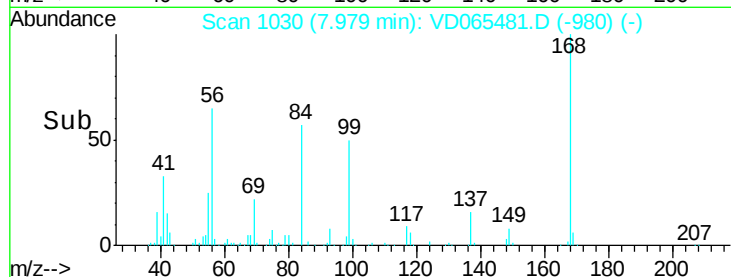
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.310 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065481.D

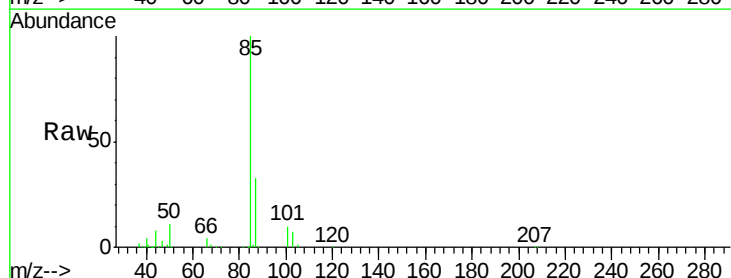
Acq: 11 Mar 2020 16:49

Tgt Ion: 85 Resp: 169406

Ion Ratio Lower Upper

85 100

87 32.7 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

100000

50000

0

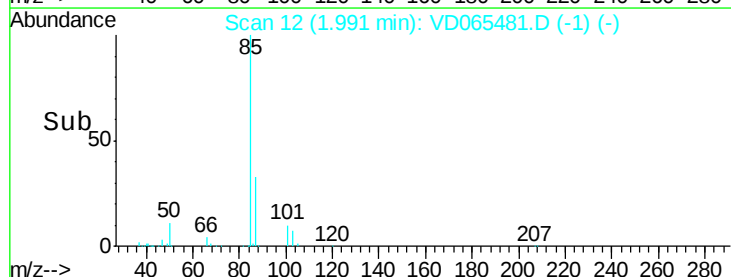
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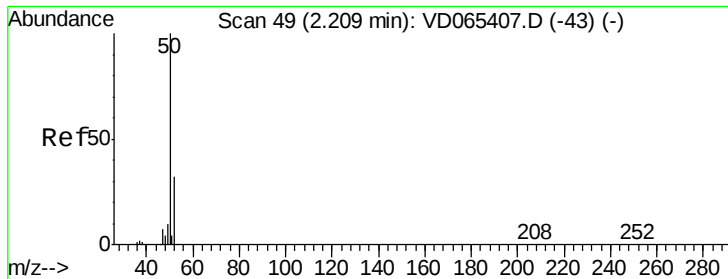
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 43.244 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 214104

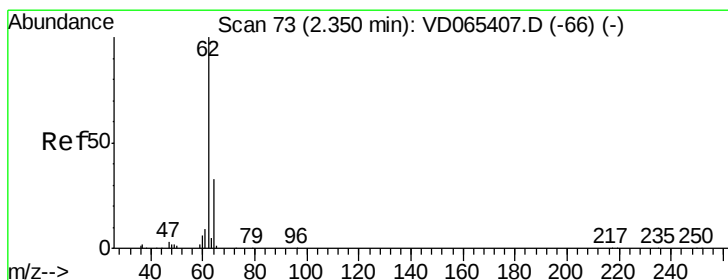
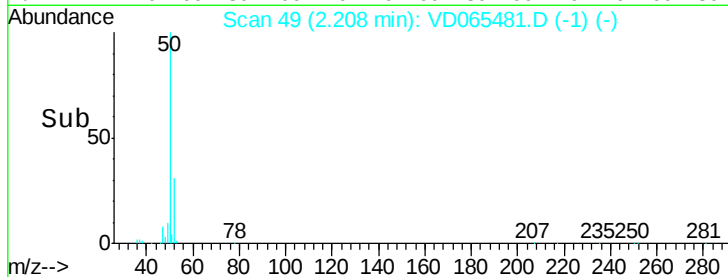
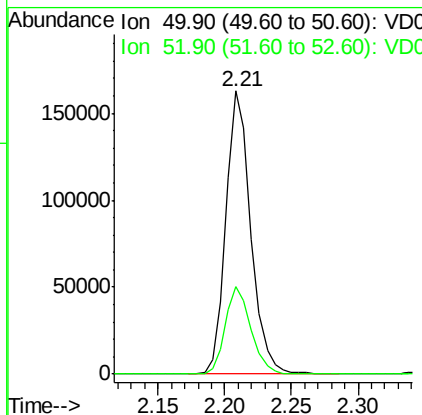
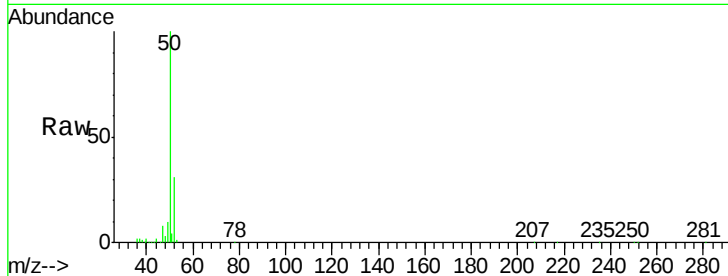
Ion Ratio Lower Upper

50 100

52 30.9 25.8 38.8

Manual Integrations
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3/13/2020 9:49:39 AM



#4

Vinyl Chloride

Concen: 44.312 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065481.D

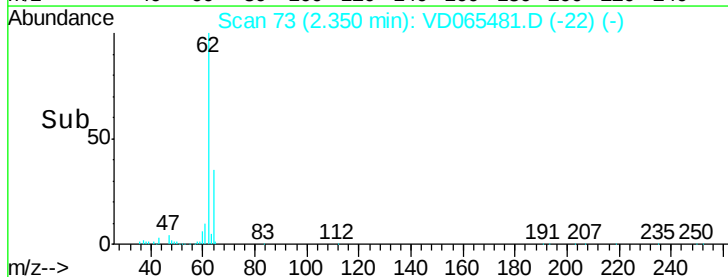
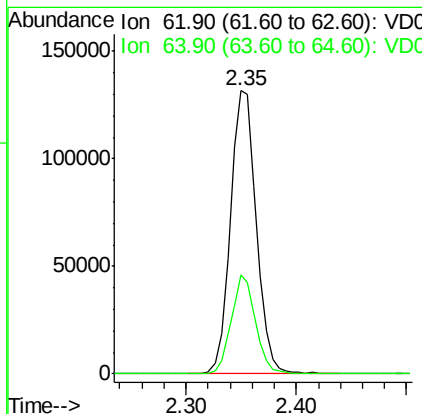
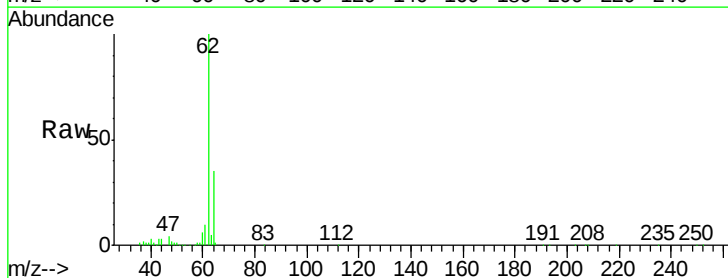
Acq: 11 Mar 2020 16:49

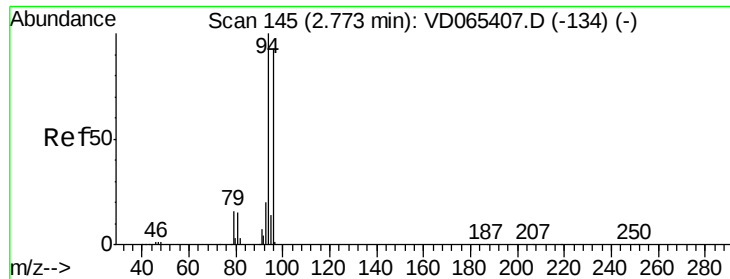
Tgt Ion: 62 Resp: 216396

Ion Ratio Lower Upper

62 100

64 35.0 26.6 39.8





#5

Bromomethane

Concen: 47.572 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 130810

Ion Ratio Lower Upper

94 100

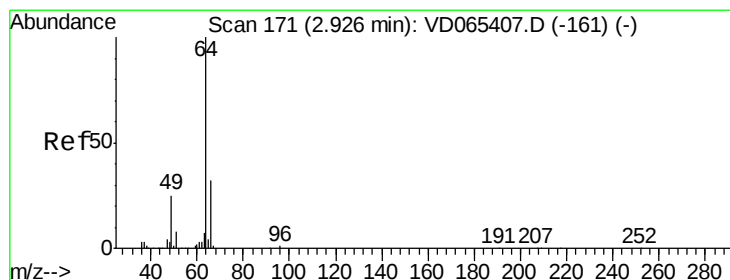
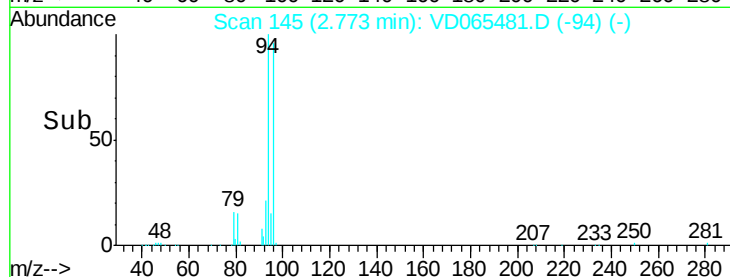
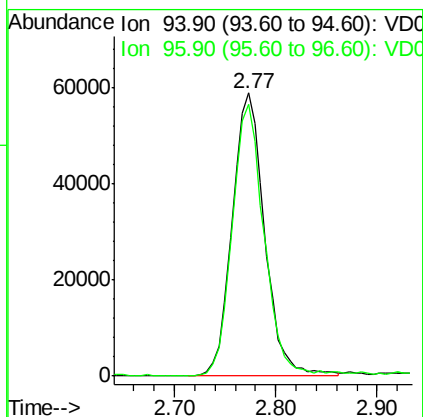
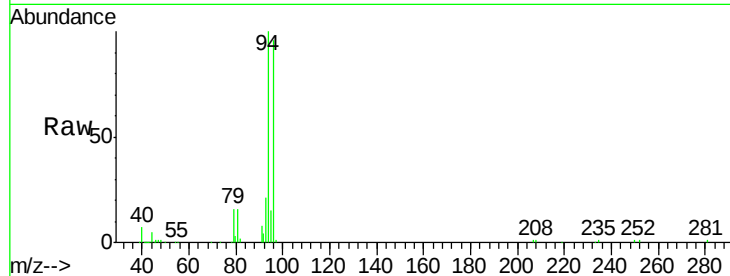
96 95.9 74.4 111.6

Manual Integrations

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3/13/2020 9:49:39 AM



#6

Chloroethane

Concen: 46.227 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065481.D

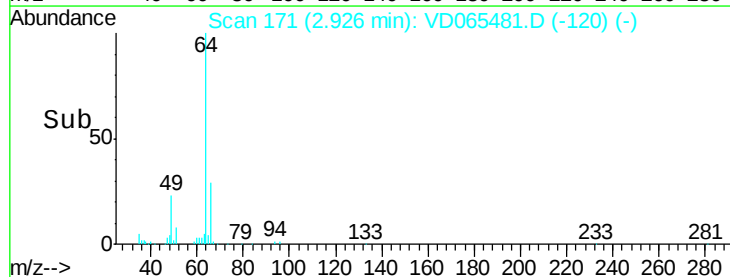
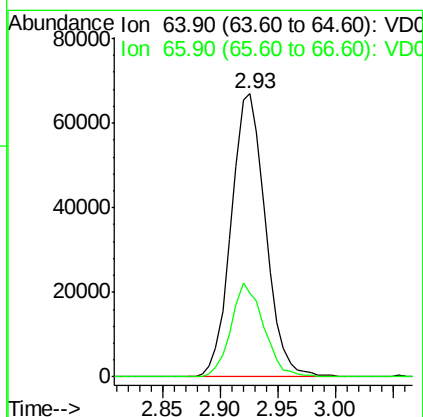
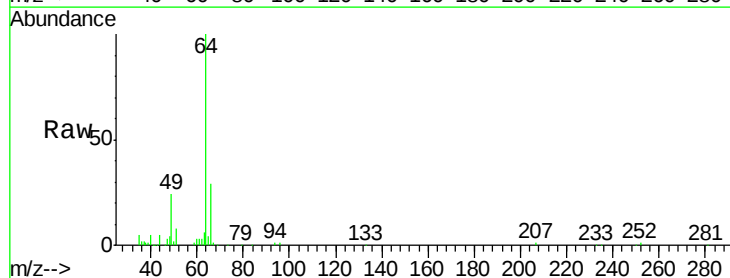
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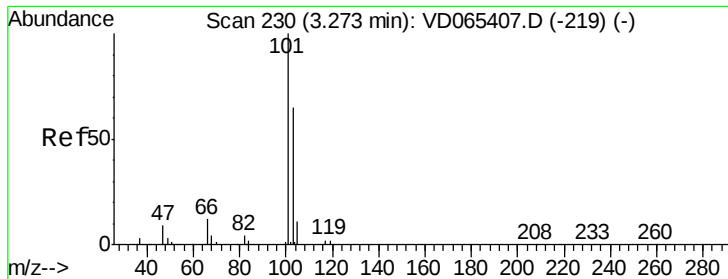
Tgt Ion: 64 Resp: 138259

Ion Ratio Lower Upper

64 100

66 29.2 25.6 38.4





#7

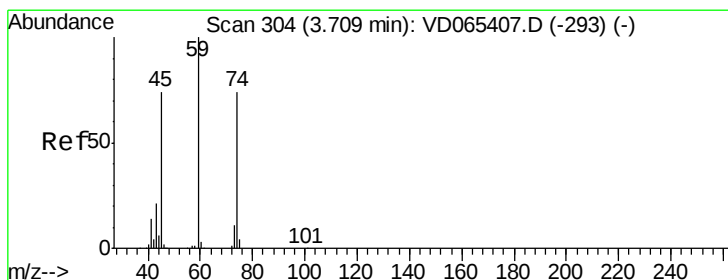
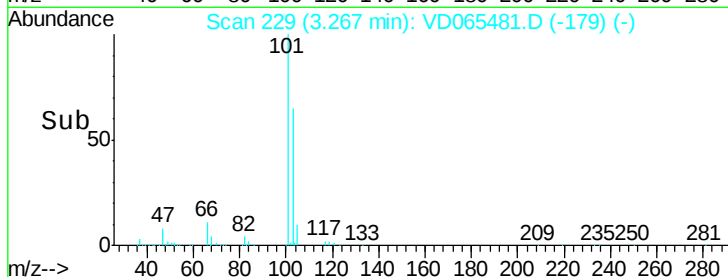
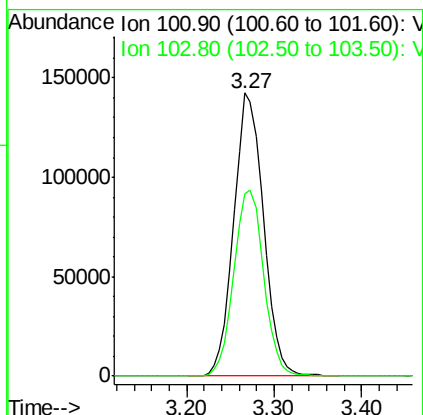
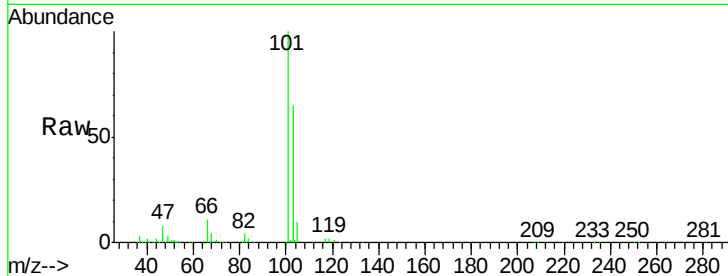
Trichlorofluoromethane
Concen: 45.505 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.1	78.1

Manual Integrations
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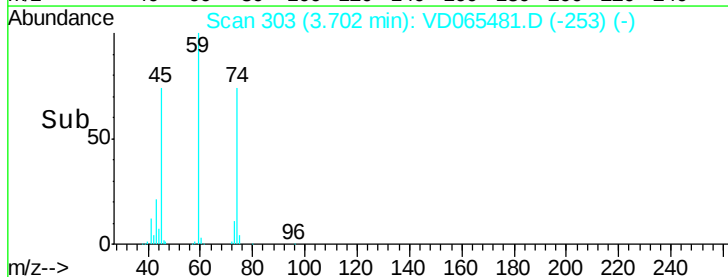
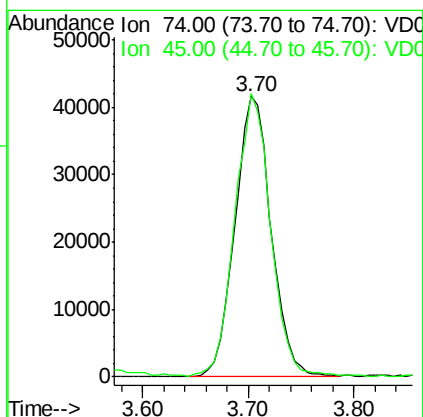
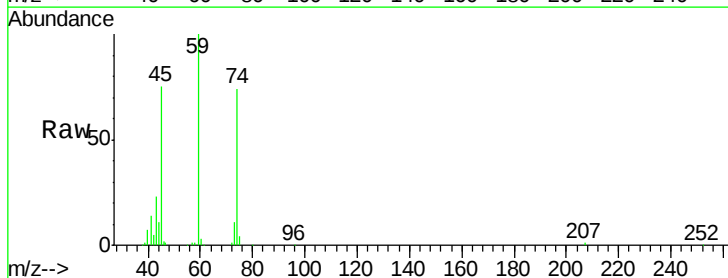
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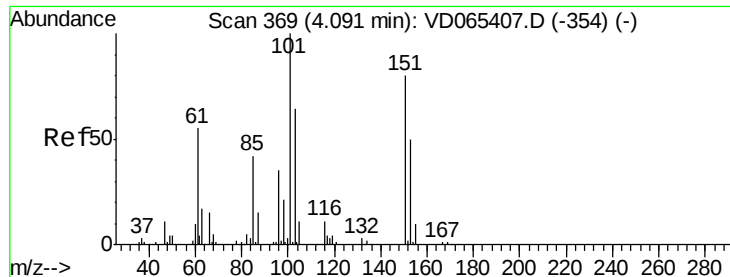


#8

Diethyl Ether
Concen: 46.254 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.009 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

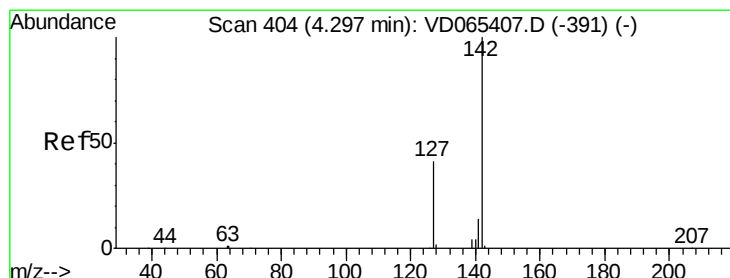
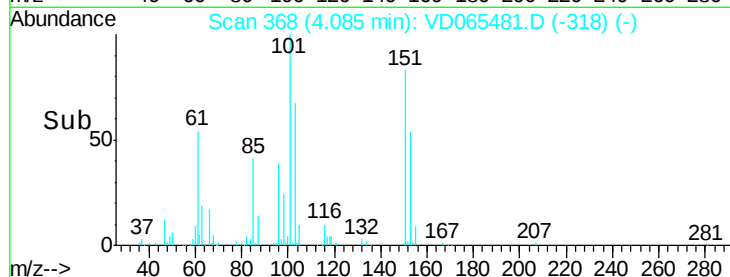
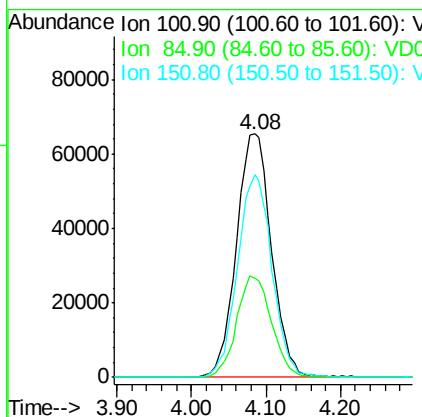
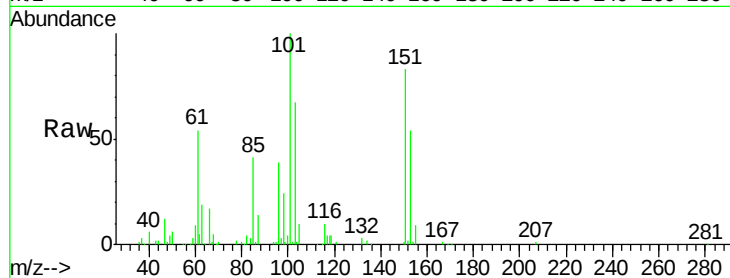
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	213222
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.2	51.2
151	82.1	65.1	97.7

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#10

Methyl Iodide

Concen: 48.936 ug/l

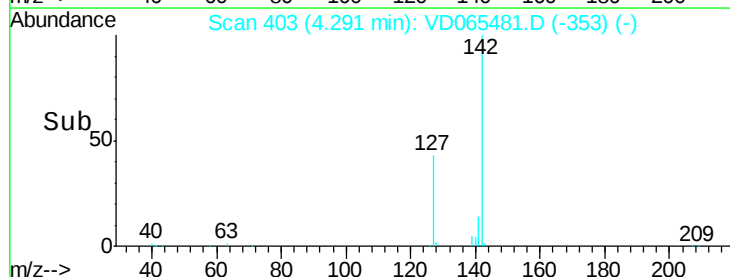
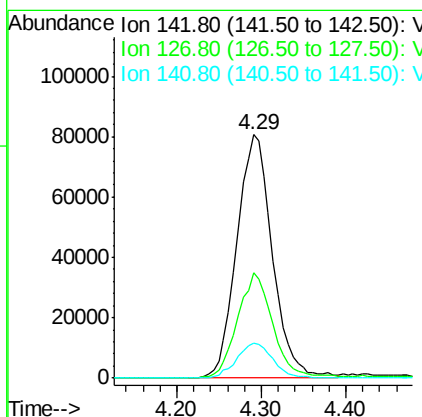
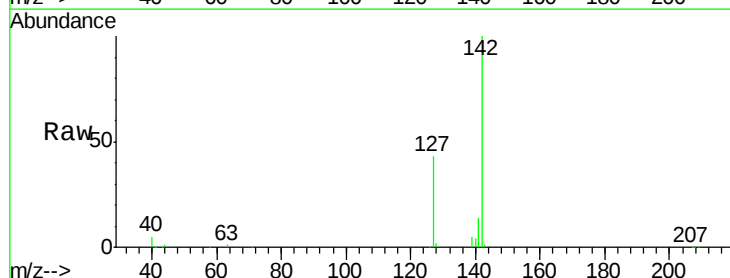
RT: 4.29 min Scan# 403

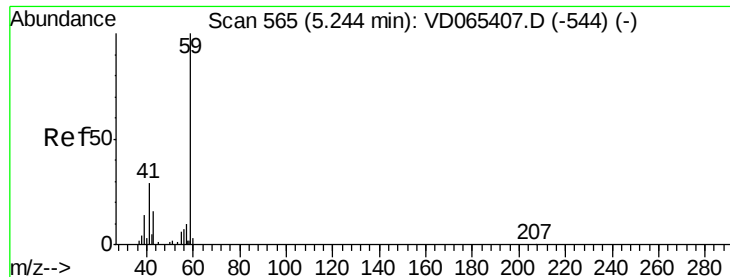
Delta R.T. -0.01 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Tgt Ion:	142	Resp:	235608
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.0	52.6
141	14.7	12.4	18.6





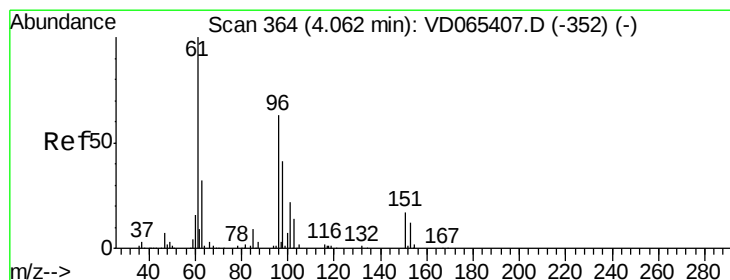
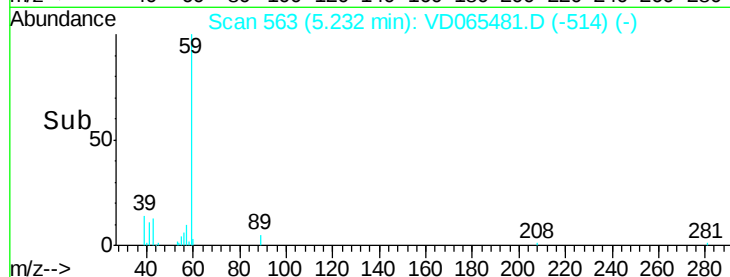
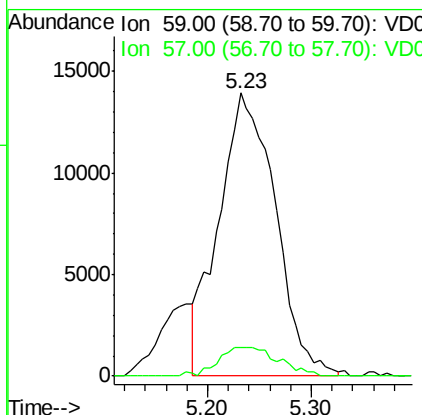
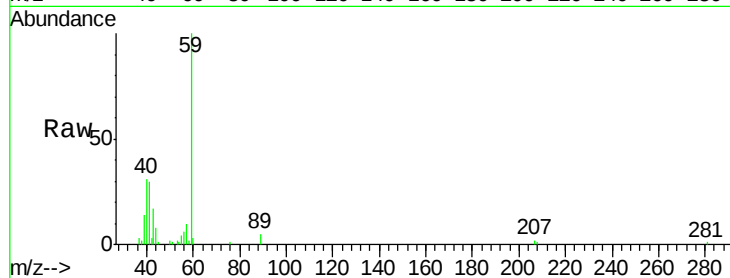
#11
Tert butyl alcohol
Concen: 226.423 ug/l m
RT: 5.23 min Scan# 563
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 53159
Ion Ratio Lower Upper
59 100
57 10.8 6.9 10.3#

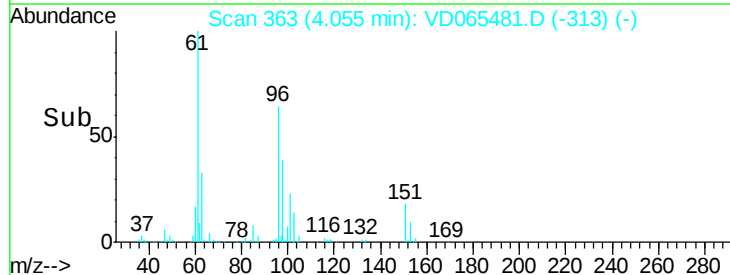
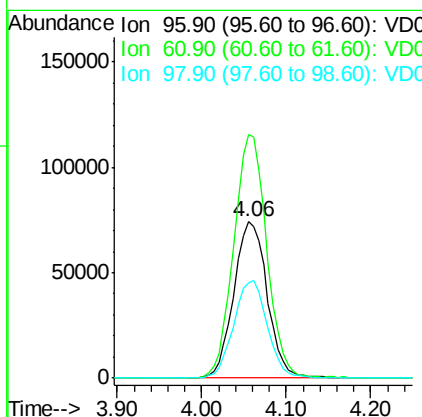
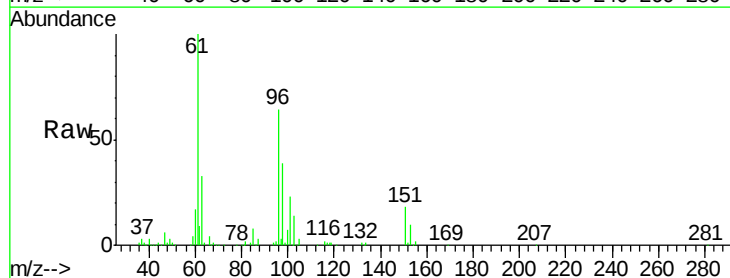
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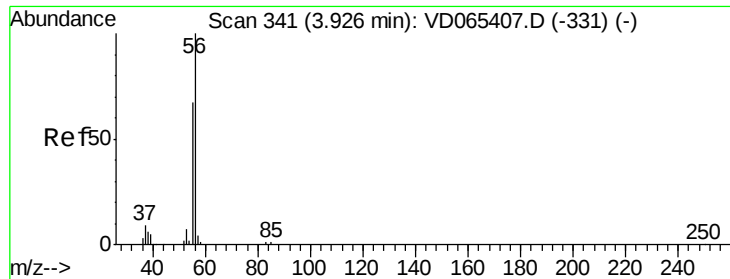
MMDadoda
3/13/2020 9:49:39 AM



#12
1,1-Dichloroethene
Concen: 45.729 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion: 96 Resp: 202928
Ion Ratio Lower Upper
96 100
61 155.7 128.0 192.0
98 61.2 51.9 77.9





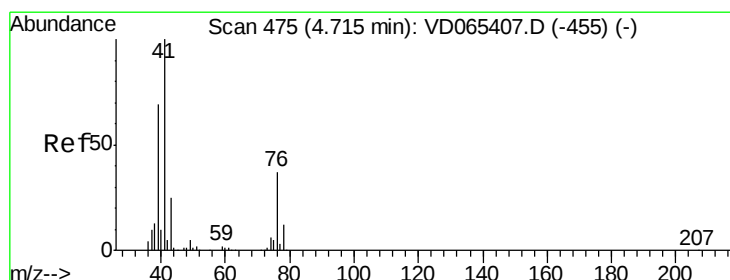
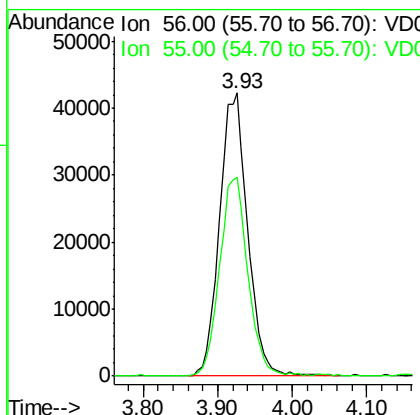
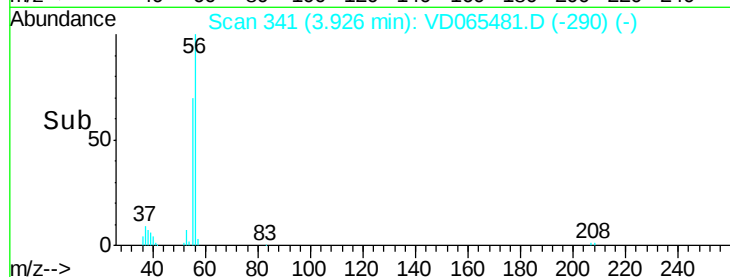
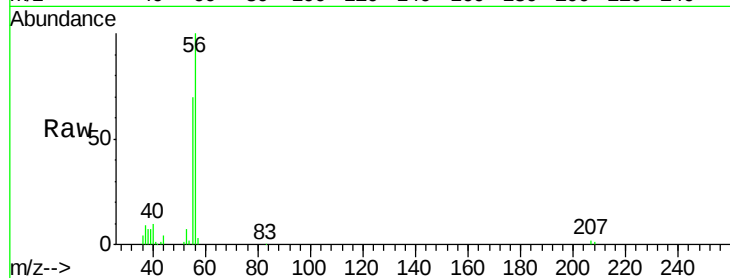
#13
Acrolein
Concen: 273.034 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.6	85.0

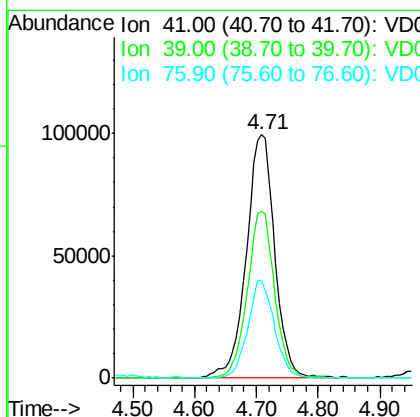
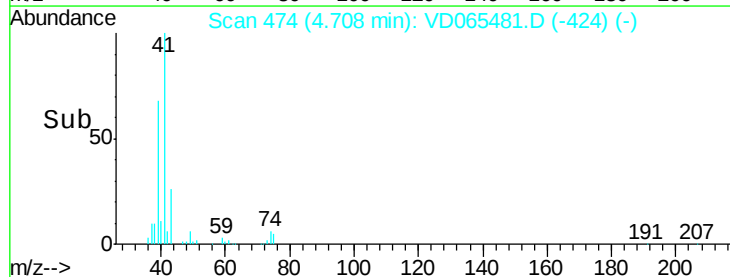
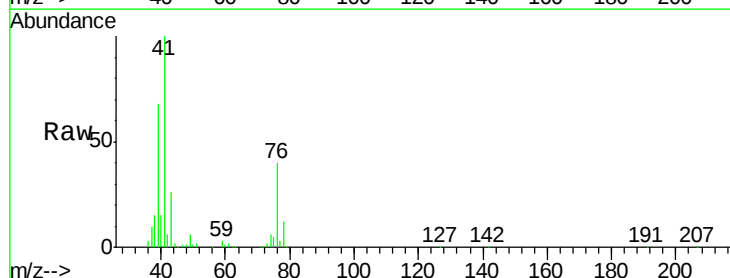
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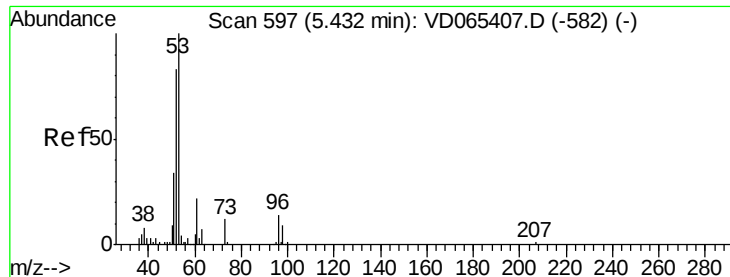
MMDadoda
3/13/2020 9:49:39 AM



#14
Allyl chloride
Concen: 46.708 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.8	52.6	79.0
76	37.4	29.2	43.8





#15

Acrylonitrile

Concen: 237.198 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

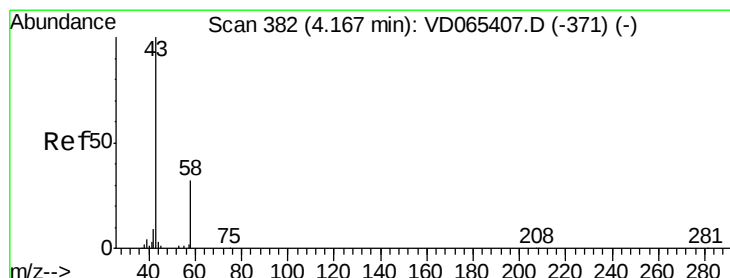
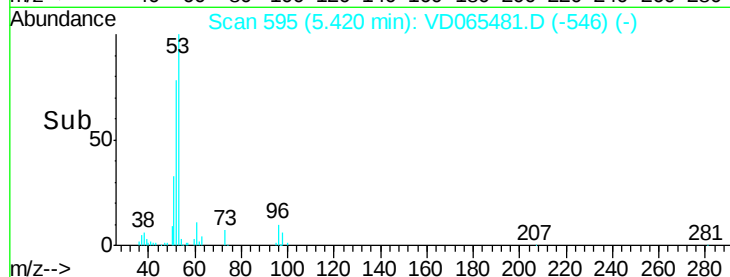
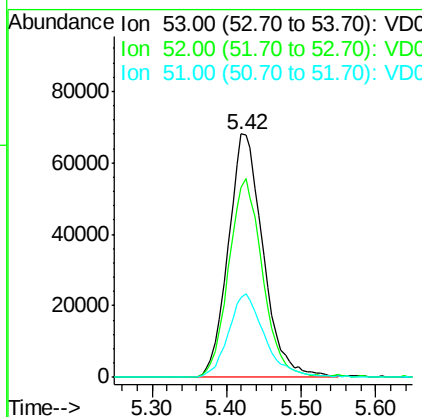
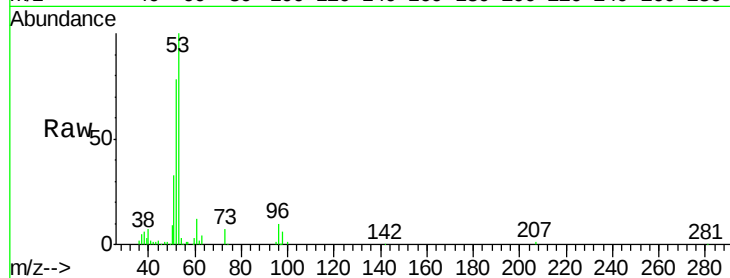
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	220815
Ion Ratio		Lower	Upper
53	100		
52	79.4	65.1	97.7
51	35.7	28.5	42.7

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#16

Acetone

Concen: 217.256 ug/l

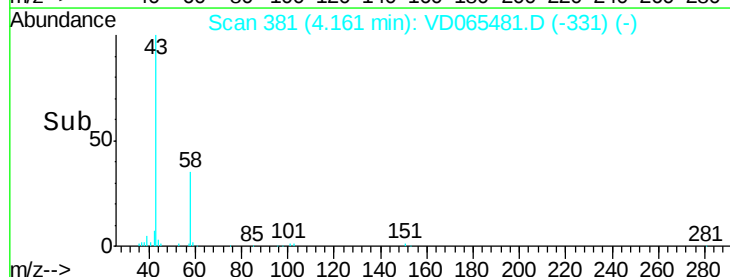
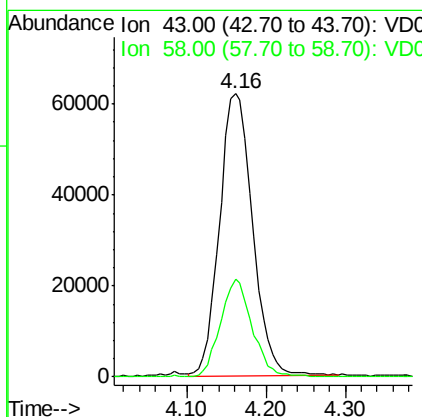
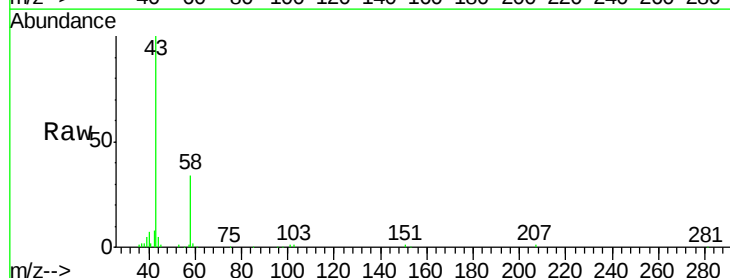
RT: 4.16 min Scan# 381

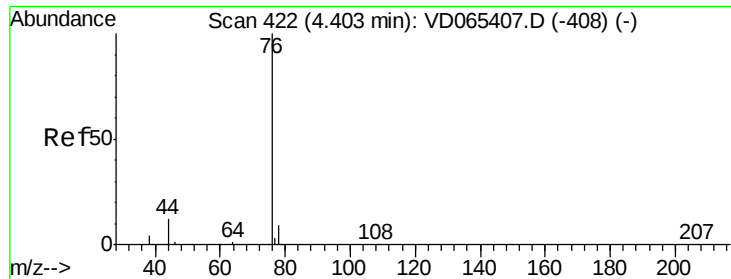
Delta R.T. -0.01 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Tgt Ion:	43	Resp:	179842
Ion Ratio		Lower	Upper
43	100		
58	34.6	25.1	37.7





#17

Carbon Disulfide

Concen: 43.794 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 647197

Ion Ratio Lower Upper

76 100

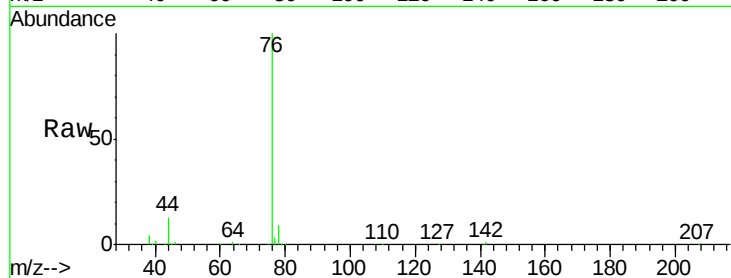
78 8.9 7.4 11.0

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

4.40

250000

200000

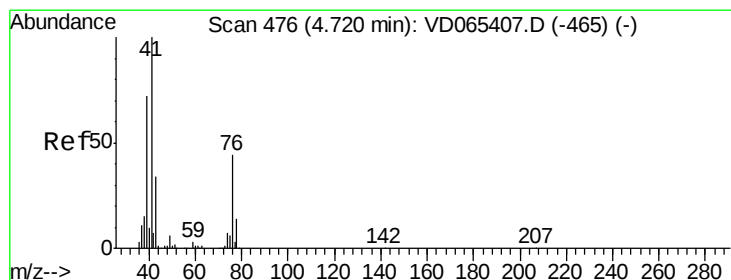
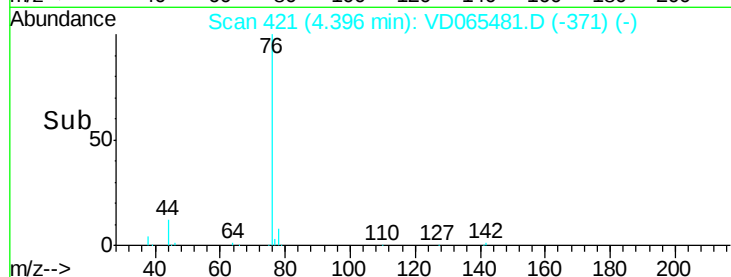
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.640 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065481.D

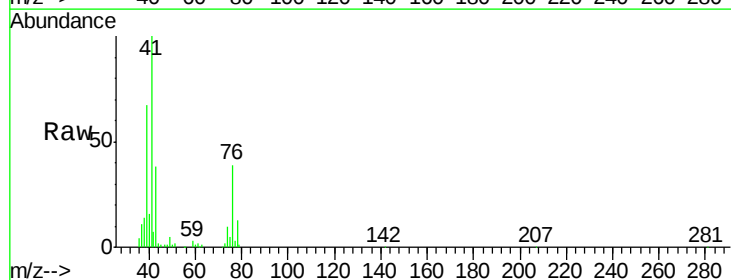
Acq: 11 Mar 2020 16:49

Tgt Ion: 43 Resp: 95835

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

4.72

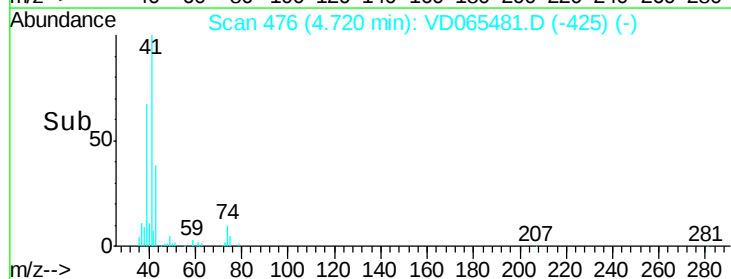
30000

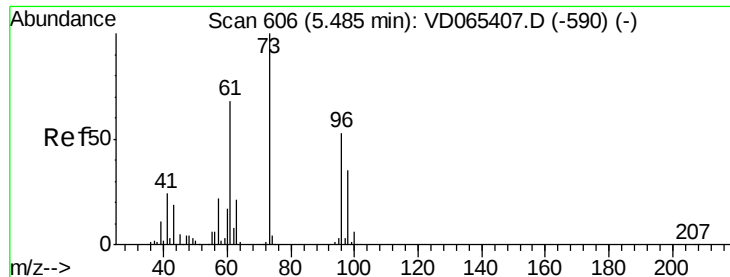
20000

10000

0

Time-->





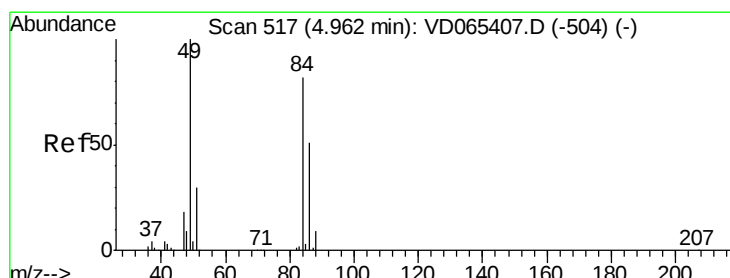
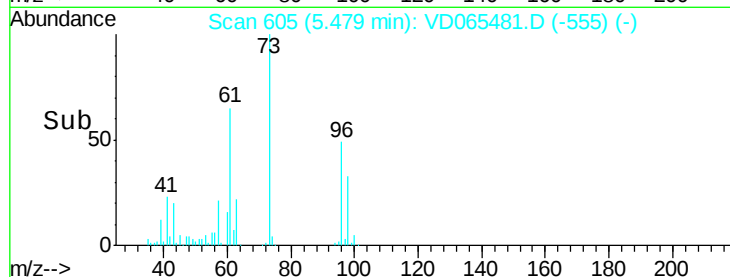
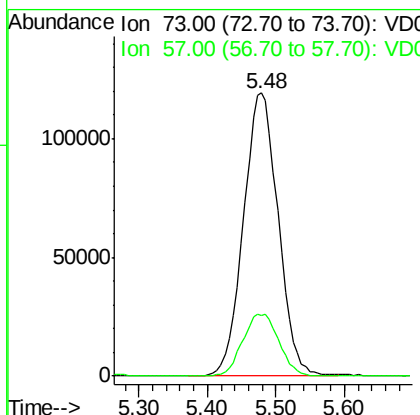
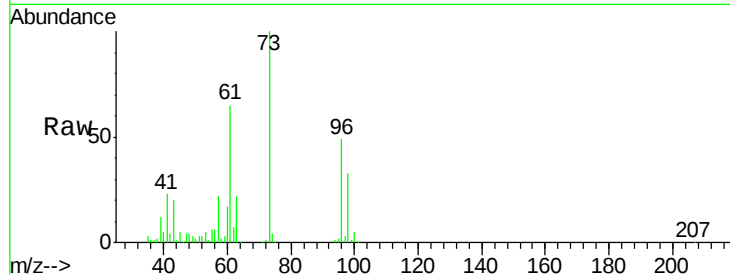
#19
Methyl tert-butyl Ether
Concen: 49.278 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion: 73 Resp: 420531
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9

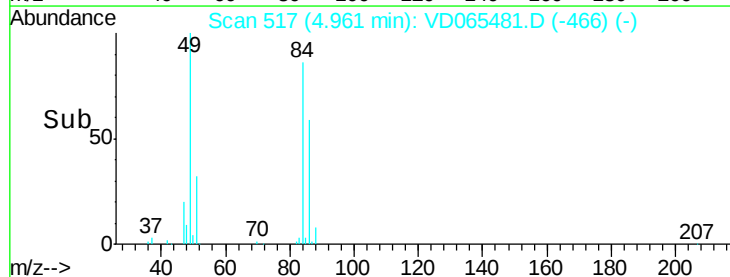
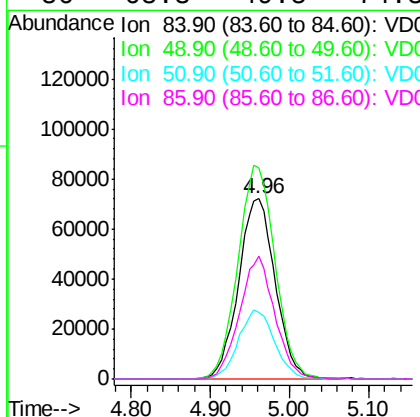
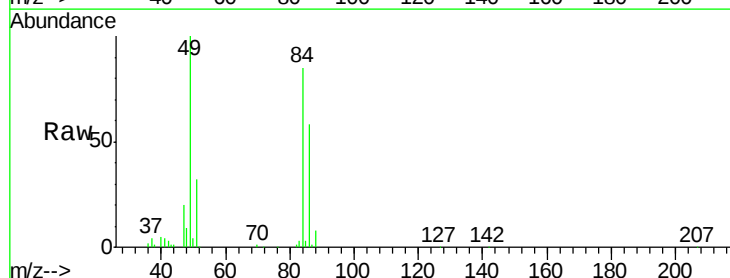
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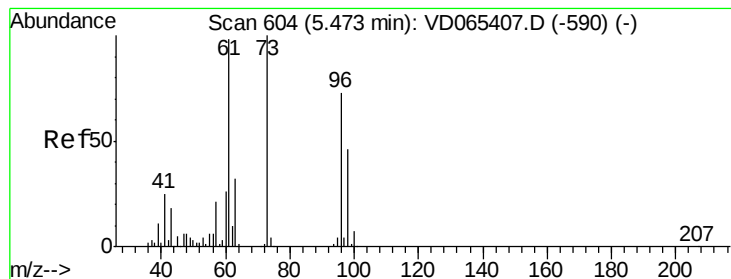
MMDadoda
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#20
Methylene Chloride
Concen: 51.728 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion: 84 Resp: 231997
Ion Ratio Lower Upper
84 100
49 117.3 97.7 146.5
51 37.1 28.8 43.2
86 68.3 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 47.300 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

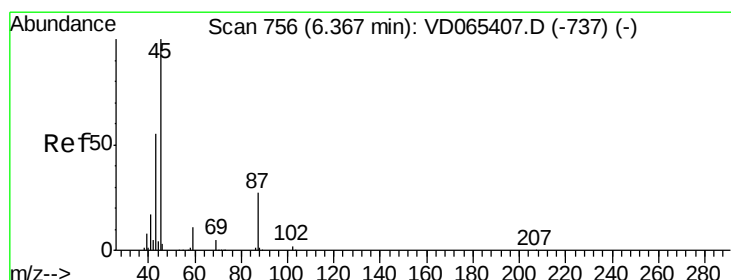
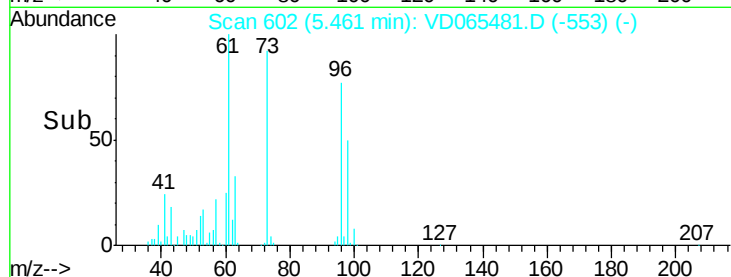
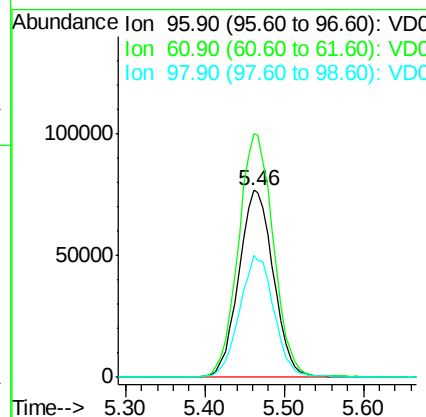
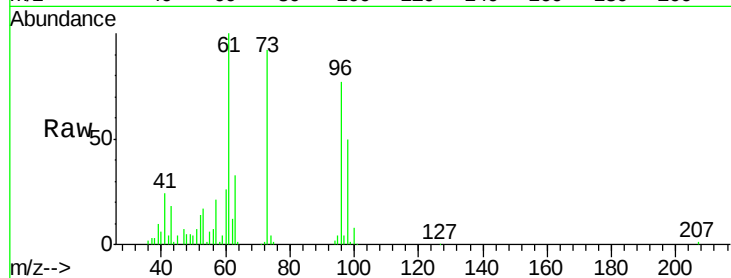
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	233497
Ion	Ratio	Lower	Upper
96	100		
61	130.3	106.3	159.5
98	65.1	50.2	75.4

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#22

Diisopropyl ether

Concen: 50.469 ug/l

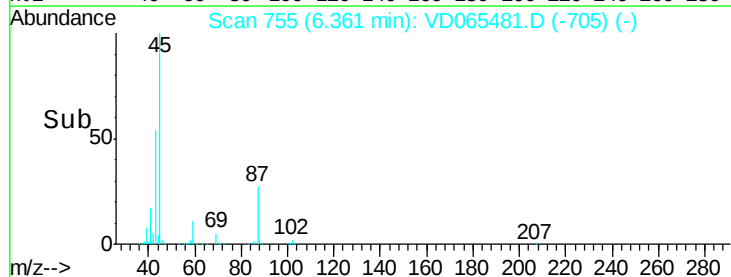
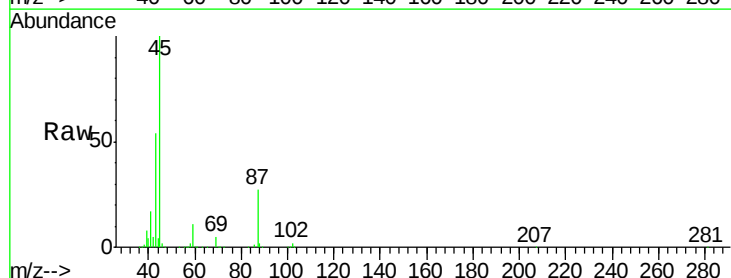
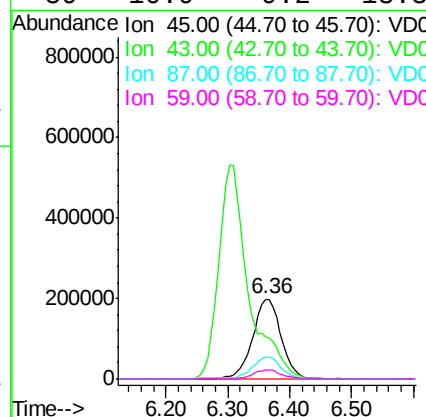
RT: 6.36 min Scan# 755

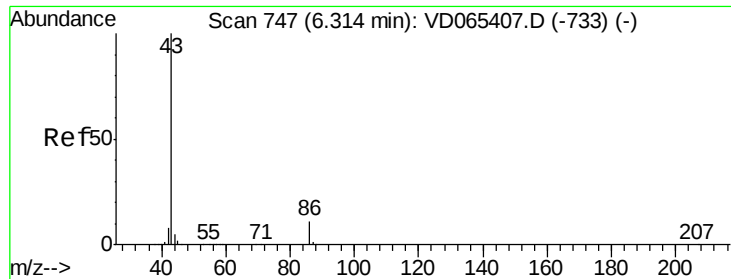
Delta R.T. -0.01 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Tgt Ion:	45	Resp:	639569
Ion	Ratio	Lower	Upper
45	100		
43	53.1	44.4	66.6
87	26.7	21.9	32.9
59	10.9	9.2	13.8





#23

Vinyl Acetate

Concen: 253.682 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1785004

Ion Ratio Lower Upper

43 100

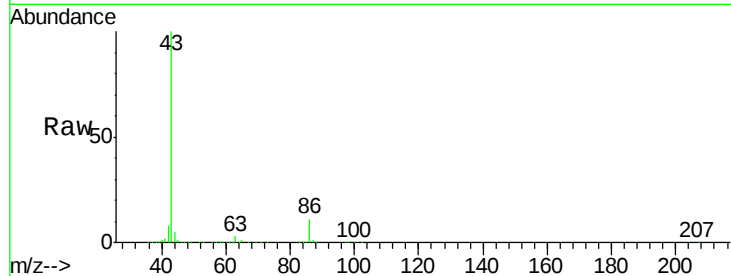
86 11.3 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

600000

500000

400000

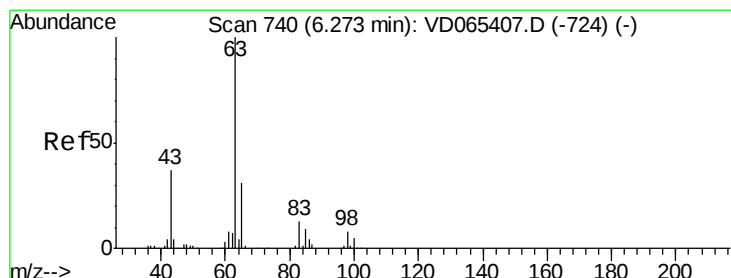
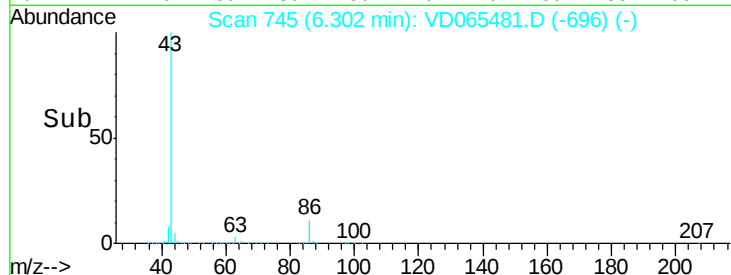
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.324 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

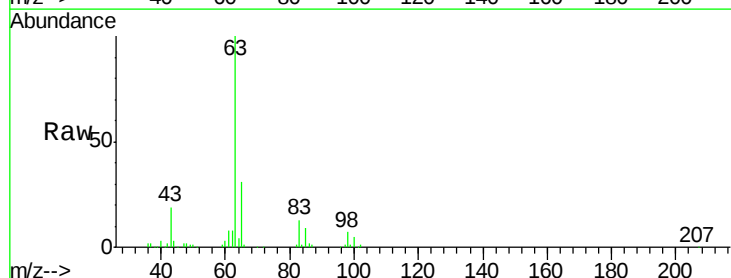
Tgt Ion: 63 Resp: 392796

Ion Ratio Lower Upper

63 100

98 7.0 4.2 12.6

100 5.0 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

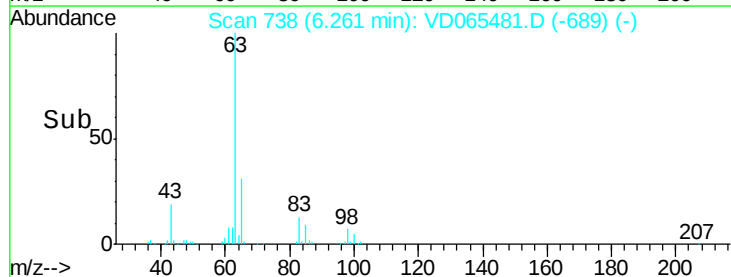
150000

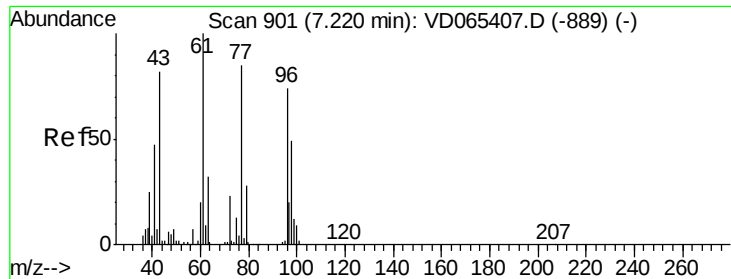
100000

50000

0

Time-->





#25

2-Butanone

Concen: 230.151 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 259988

Ion Ratio Lower Upper

43 100

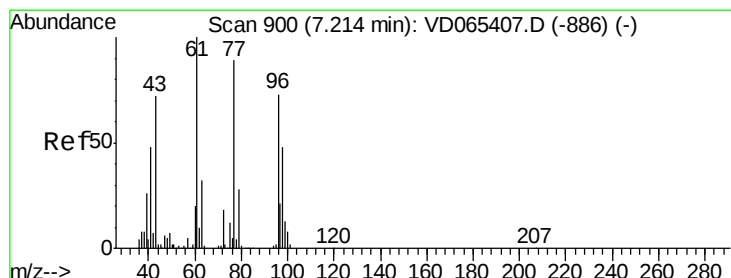
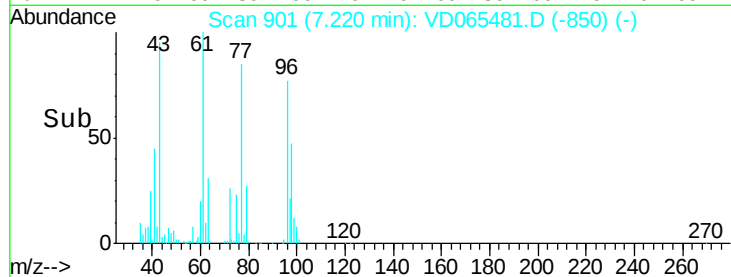
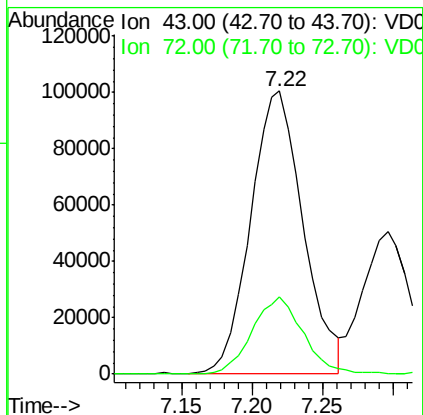
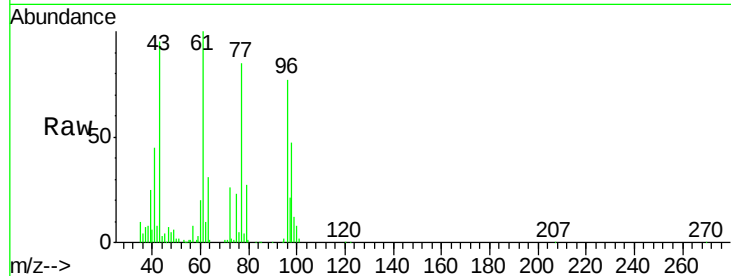
72 27.5 22.3 33.5

Manual Integrations

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MMDadoda

3/13/2020 9:49:39 AM



#26

2,2-Dichloropropane

Concen: 47.797 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065481.D

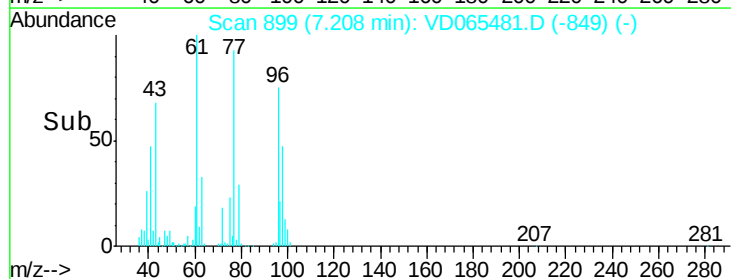
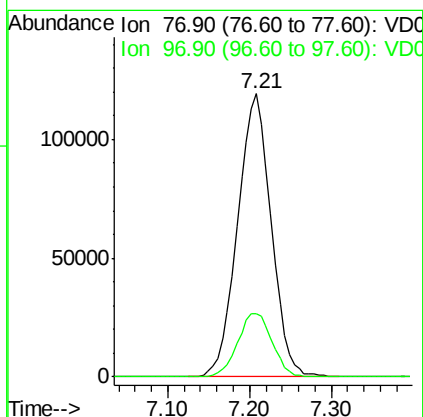
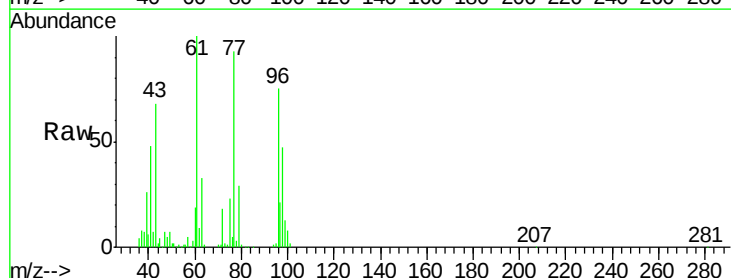
Acq: 11 Mar 2020 16:49

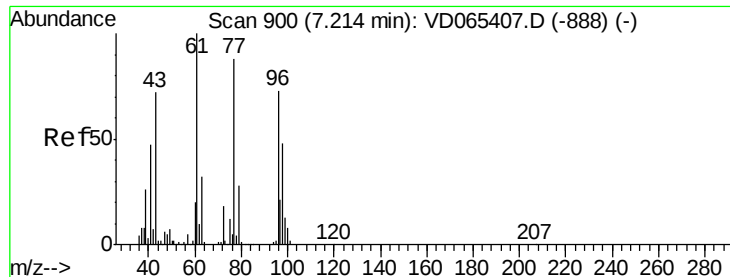
Tgt Ion: 77 Resp: 339510

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.4





#27

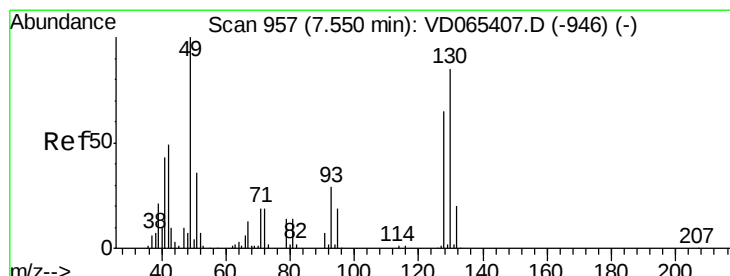
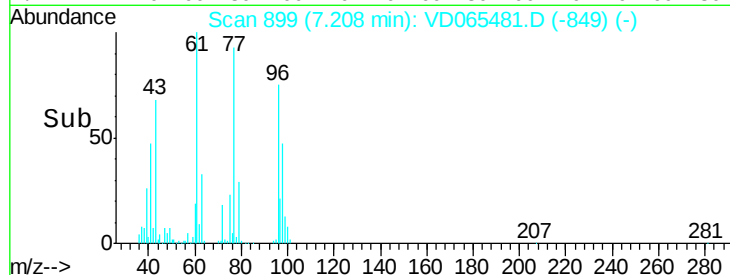
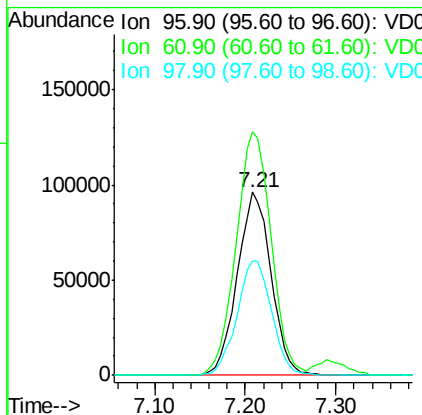
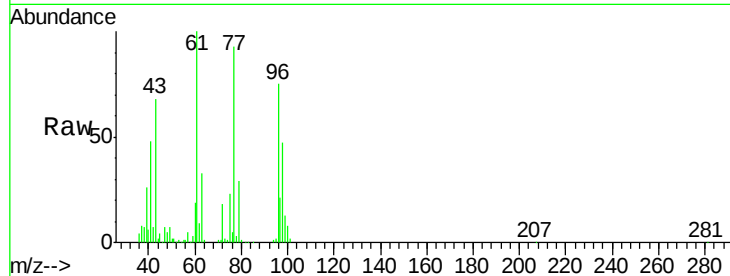
cis-1,2-Dichloroethene
 Concen: 49.493 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	0.0	280.4
98	64.0	0.0	132.6

Manual Integrations
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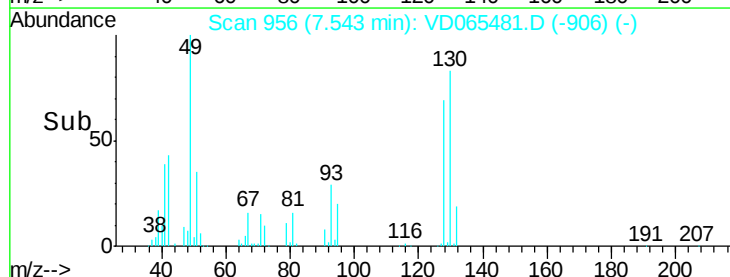
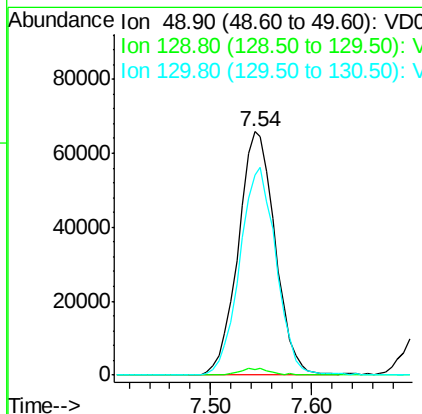
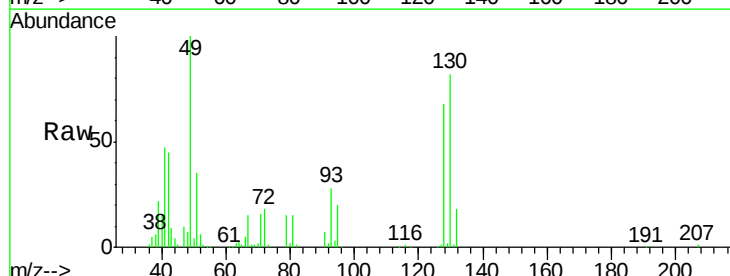
MMDadoda
 3/13/2020 9:49:39 AM

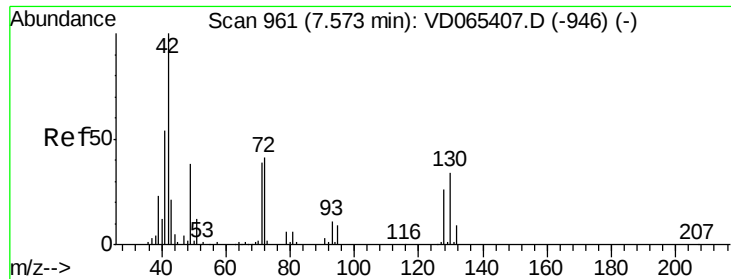


#28

Bromochloromethane
 Concen: 51.081 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	84.5	66.6	100.0





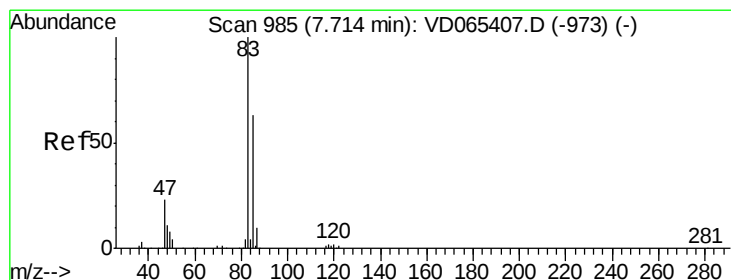
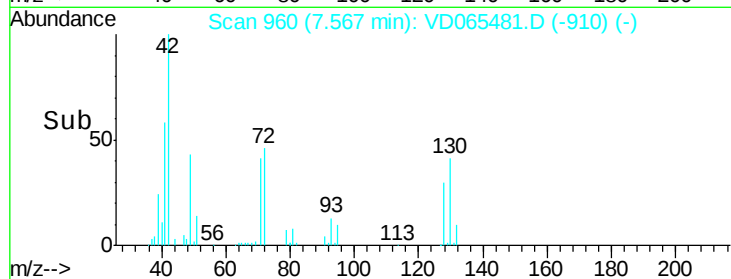
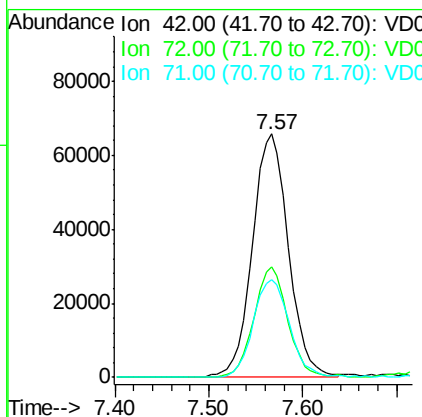
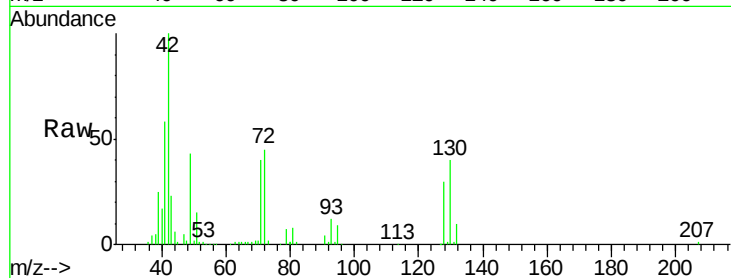
#29
Tetrahydrofuran
Concen: 242.173 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.0	49.6
71	40.3	32.0	48.0

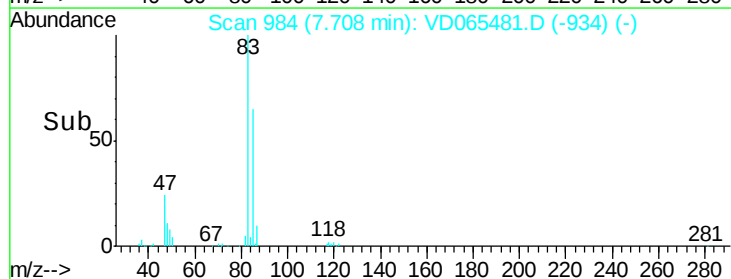
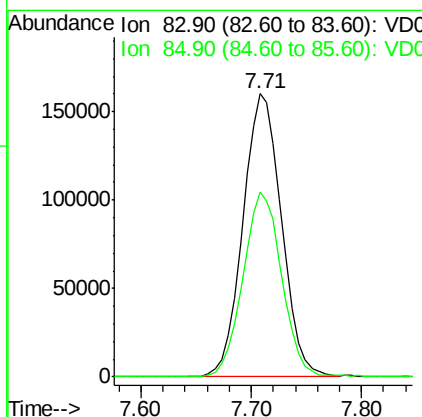
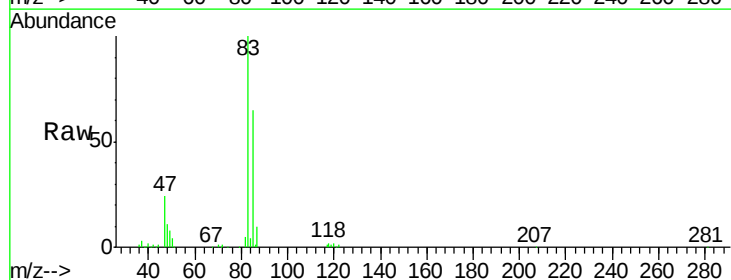
Manual Integrations
APPROVED

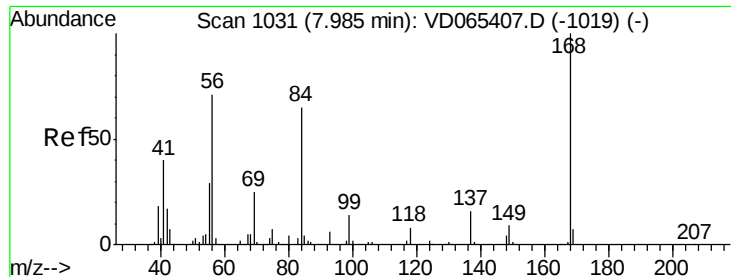
MMDadoda
3/13/2020 9:49:39 AM



#30
Chloroform
Concen: 48.395 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.3	75.5





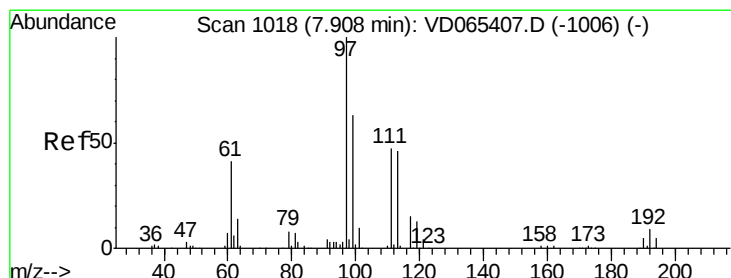
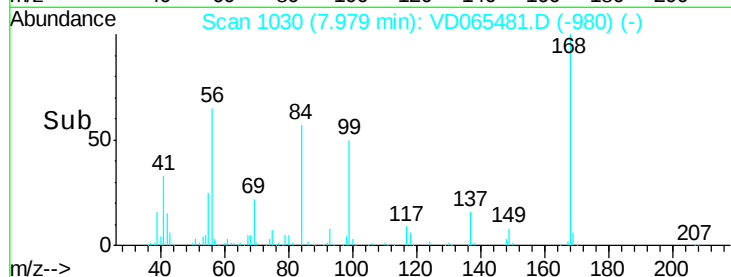
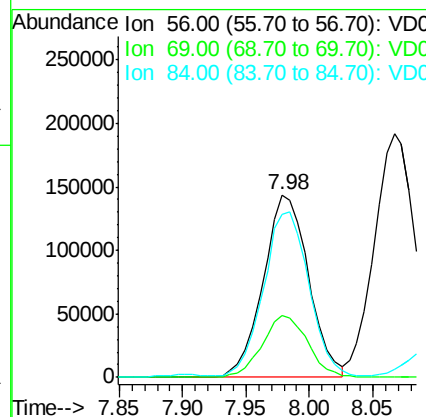
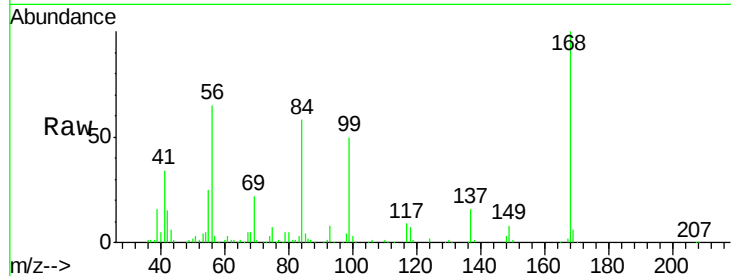
#31
Cyclohexane
Concen: 44.025 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	28.3	42.5
84	87.9	73.1	109.7

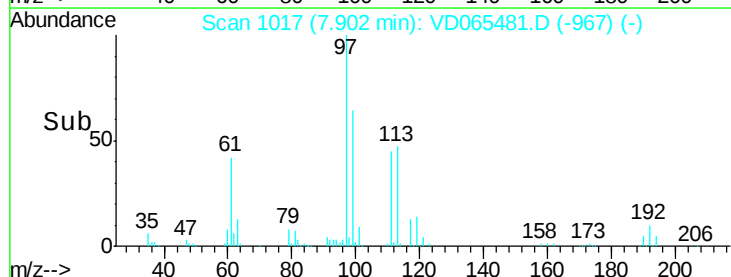
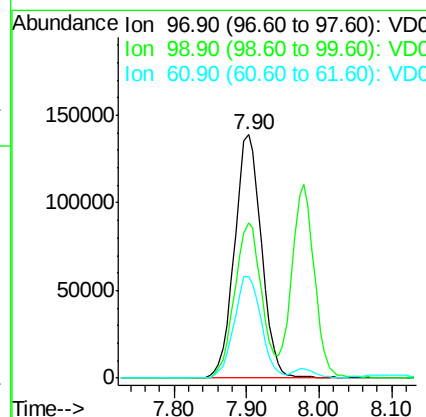
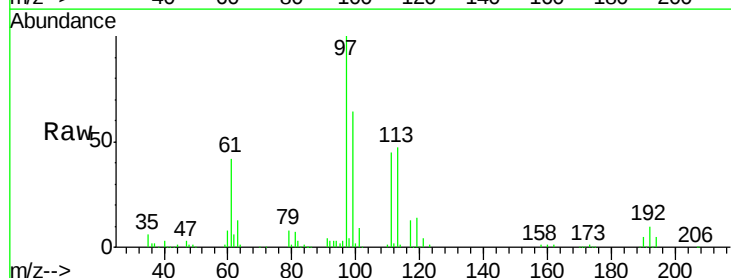
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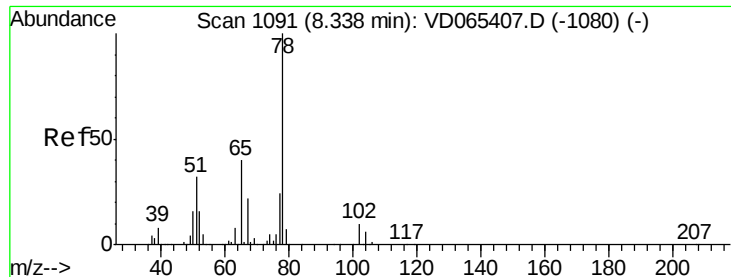
MMDadoda
3/13/2020 9:49:39 AM



#32
1,1,1-Trichloroethane
Concen: 47.675 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.9	76.3
61	42.2	33.2	49.8





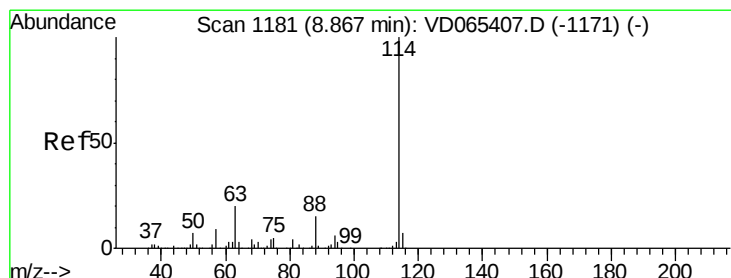
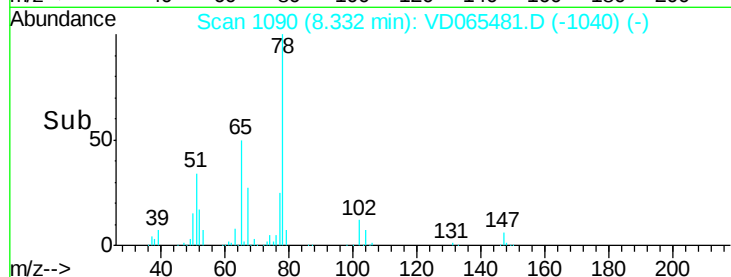
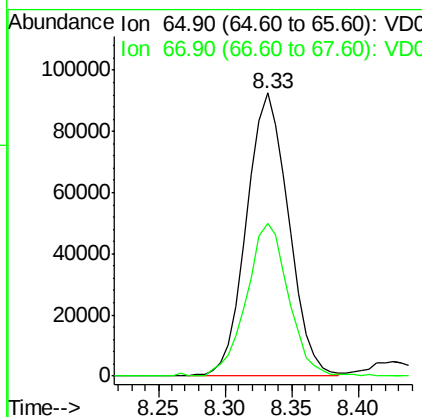
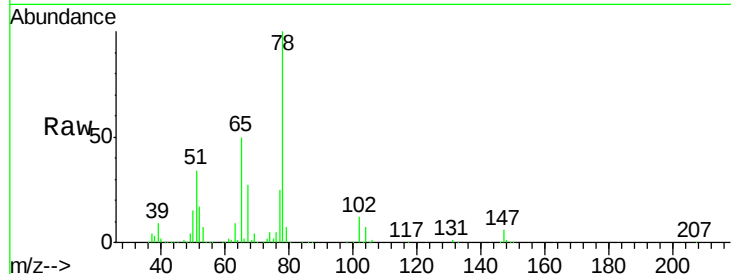
#33
 1,2-Dichloroethane-d4
 Concen: 49.296 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	201772		
67	53.9	0.0	108.0	

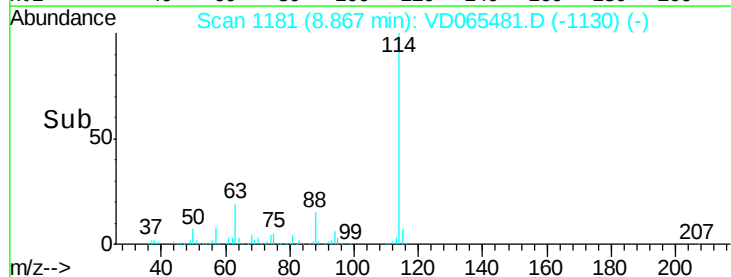
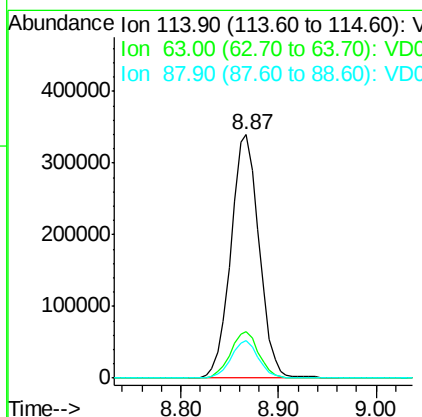
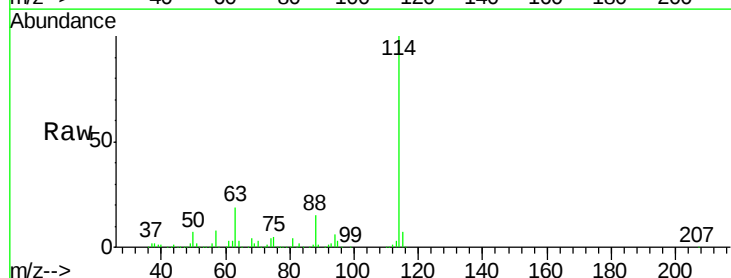
Manual Integrations
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 3/13/2020 9:49:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	682088		
63	19.0	0.0	39.6	
88	15.4	0.0	30.4	





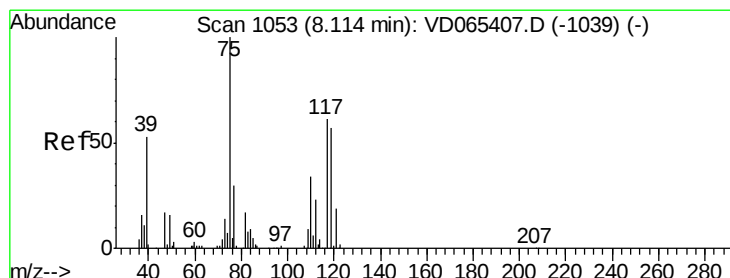
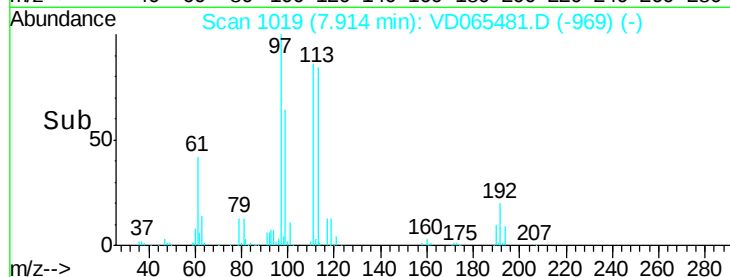
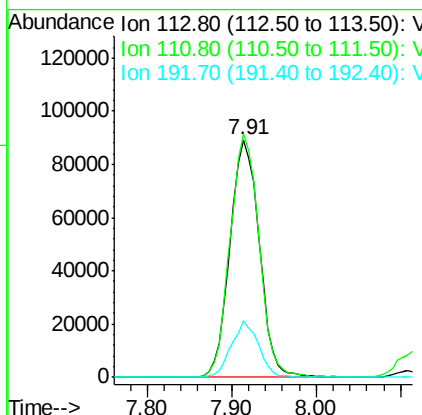
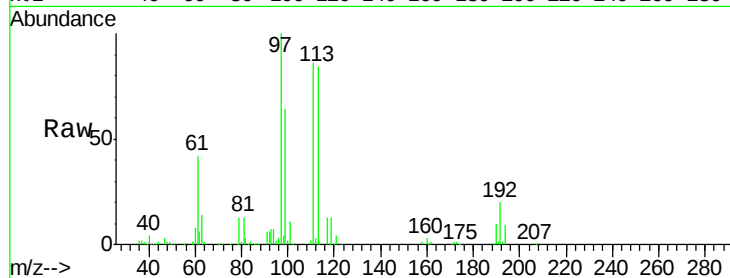
#35
Dibromofluoromethane
Concen: 50.768 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.1	123.1
192	22.2	17.2	25.8

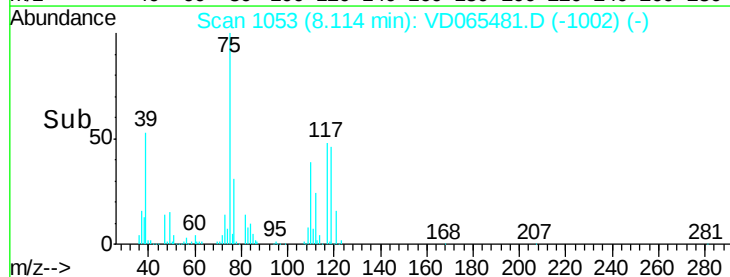
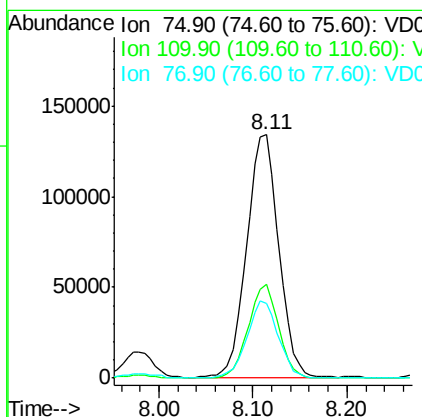
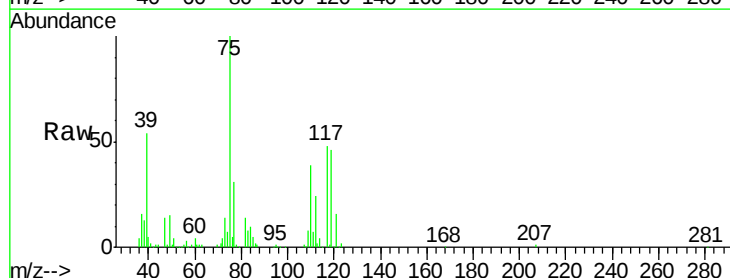
Manual Integrations
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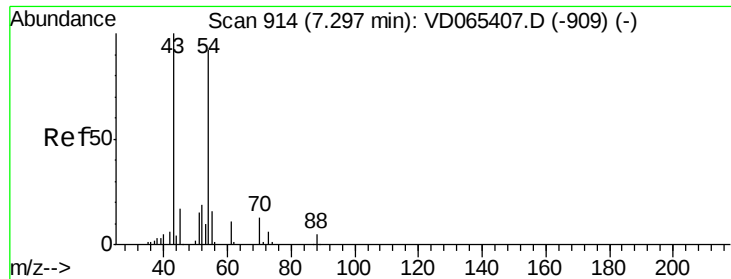
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3/13/2020 9:49:39 AM



#36
1,1-Dichloropropene
Concen: 48.439 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.1
77	31.5	25.2	37.8





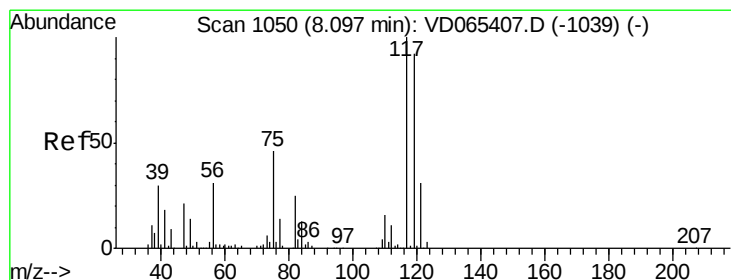
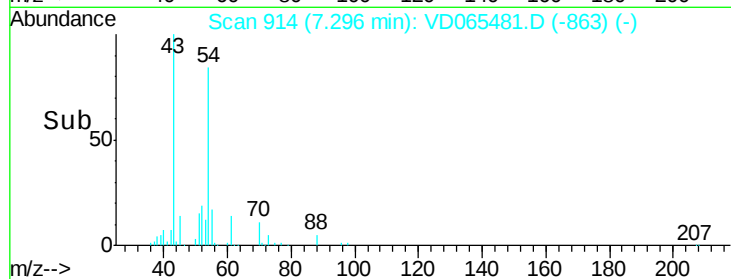
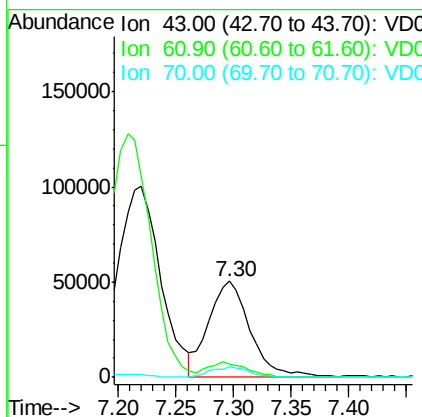
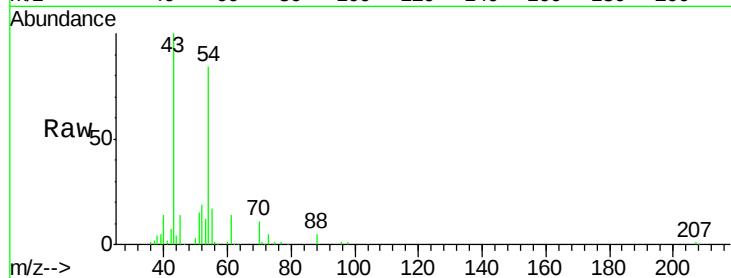
#37
Ethyl Acetate
Concen: 48.842 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.4	17.0
70	10.3	9.0	13.4

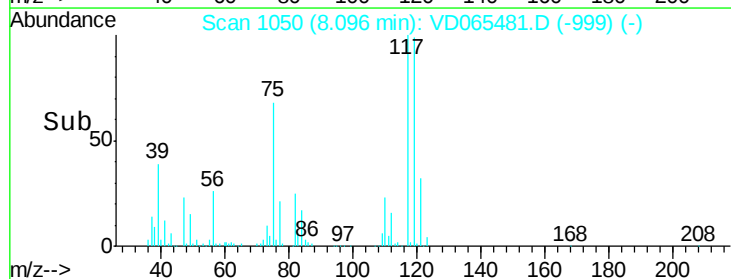
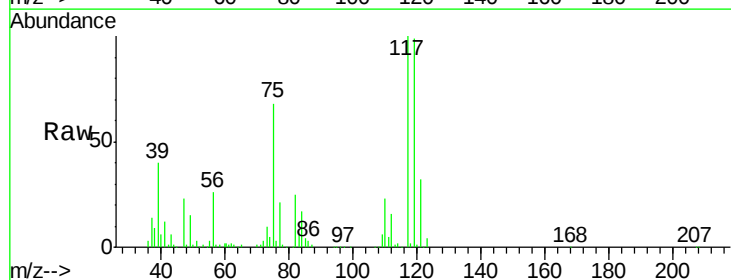
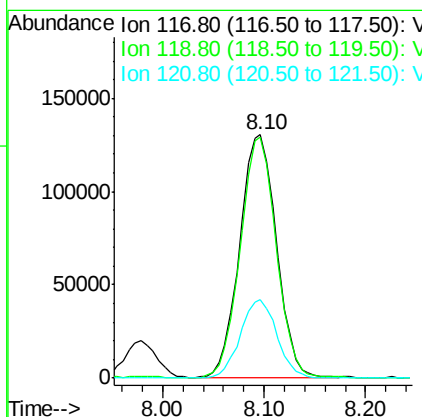
Manual Integrations
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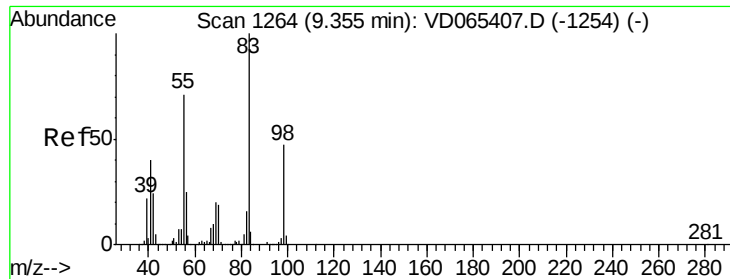
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#38
Carbon Tetrachloride
Concen: 48.257 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	73.3	109.9
121	32.5	25.0	37.4





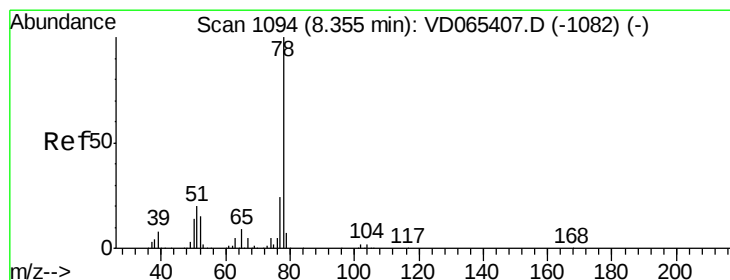
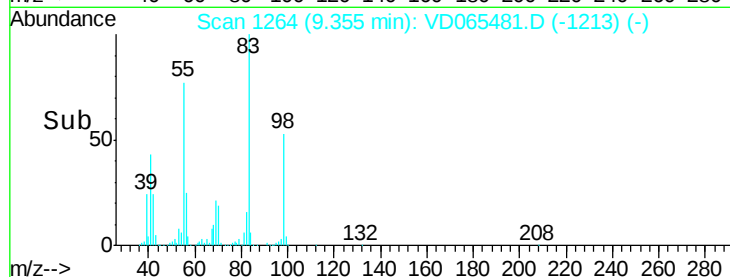
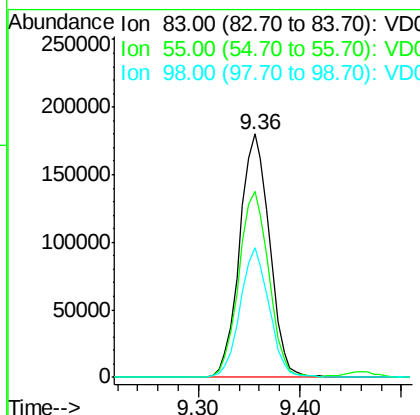
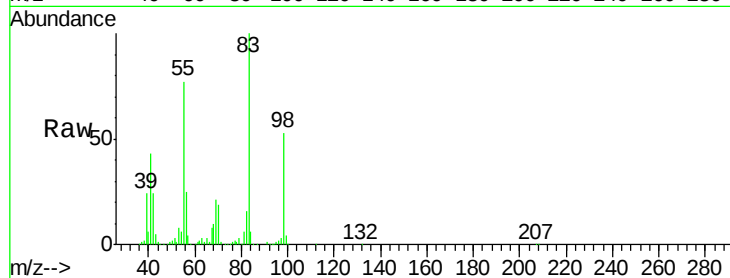
#39
Methvlcvclohexane
Concen: 46.831 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	57.1	85.7
98	53.4	37.8	56.8

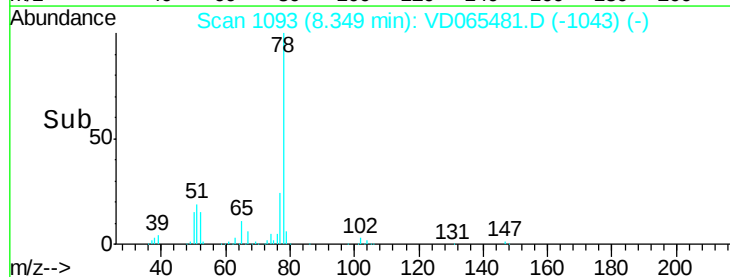
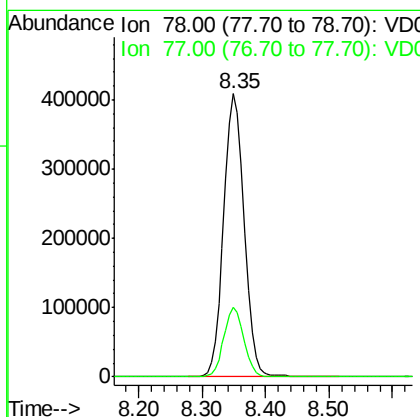
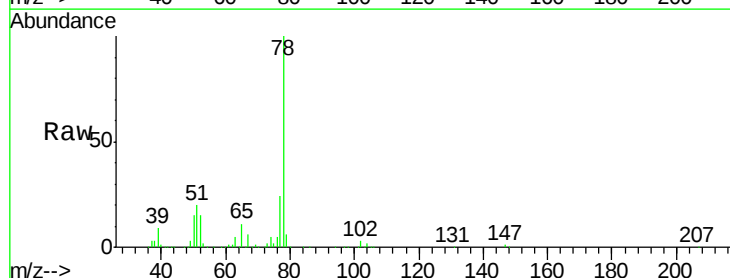
Manual Integrations
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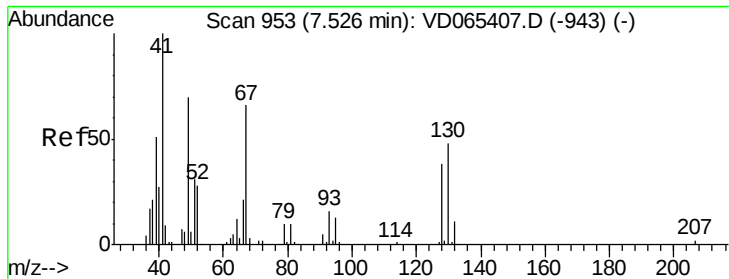
MMDadoda
3/13/2020 9:49:39 AM



#40
Benzene
Concen: 50.108 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.0





#41

Methacrylonitrile

Concen: 50.815 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 67913

Ion Ratio Lower Upper

41 100

39 42.6 55.0 82.6#

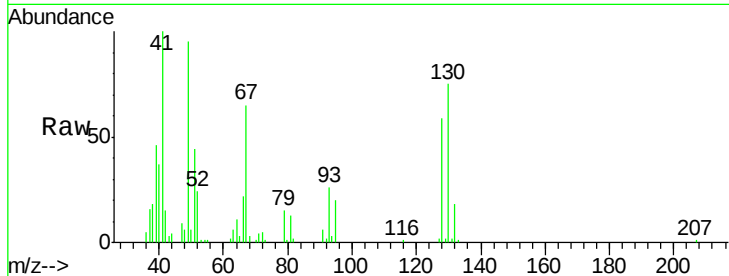
67 76.0 70.3 105.5

52 31.0 30.7 46.1

Manual Integrations
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MMDadoda

3/13/2020 9:49:39 AM

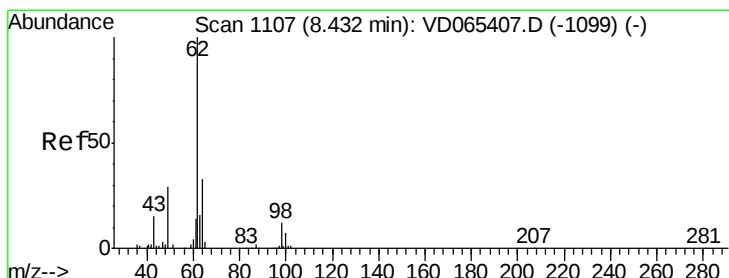
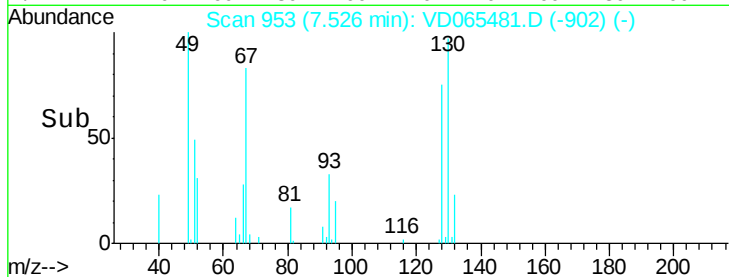
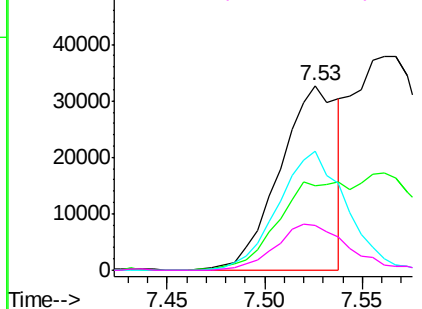


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.617 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065481.D

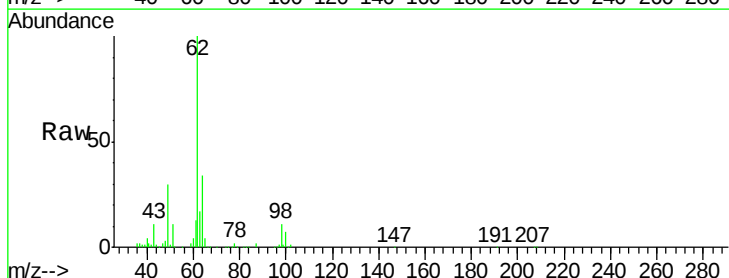
Acq: 11 Mar 2020 16:49

Tgt Ion: 62 Resp: 236849

Ion Ratio Lower Upper

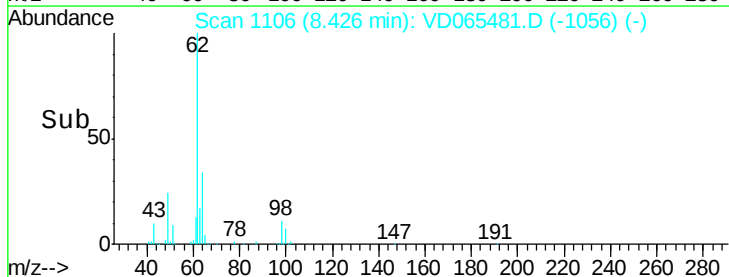
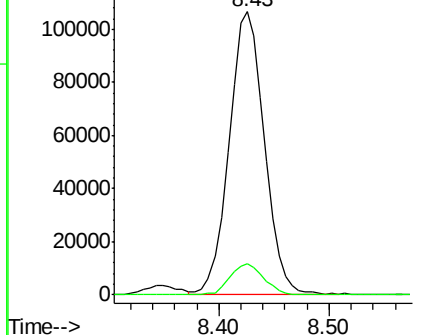
62 100

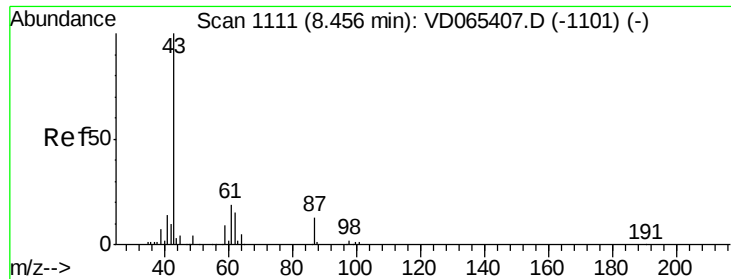
98 10.8 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.215 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

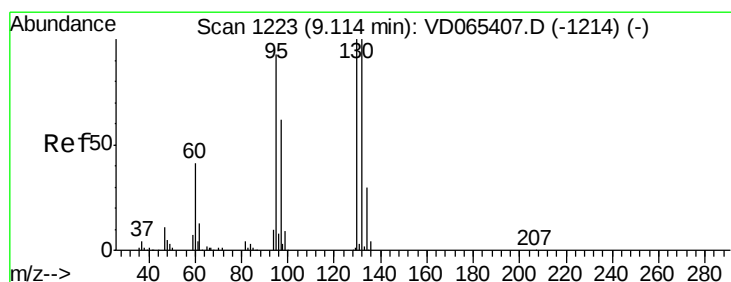
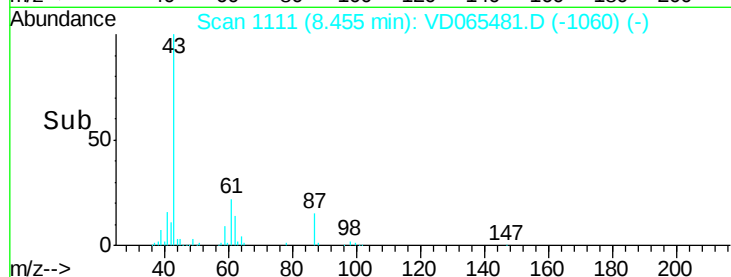
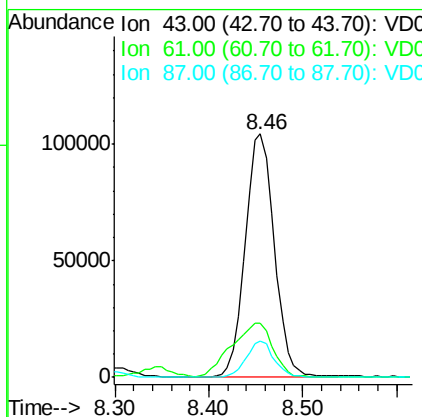
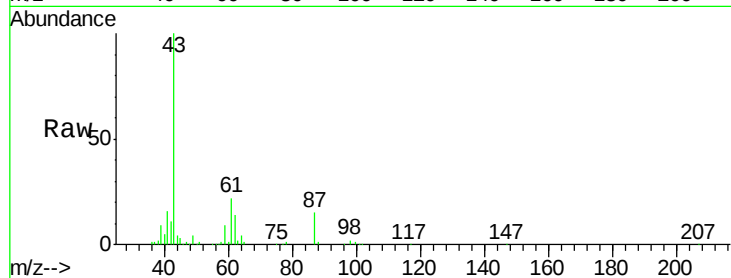
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	224981
Ion	Ratio	Lower	Upper
43	100		
61	31.2	25.0	37.6
87	14.0	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 48.993 ug/l

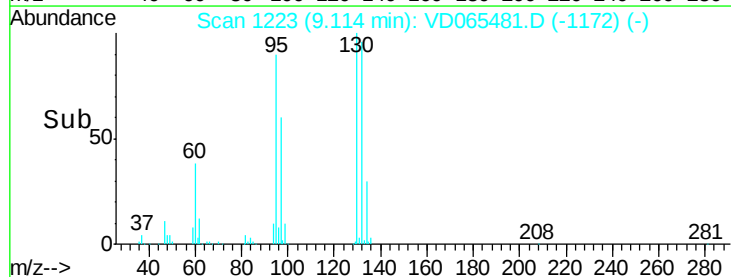
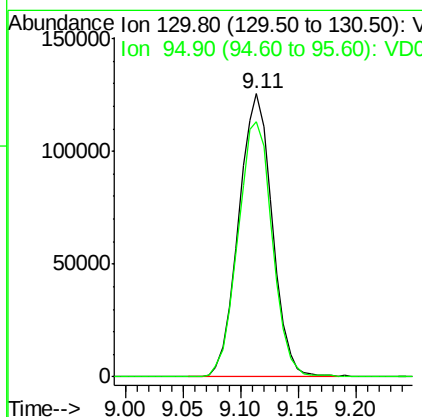
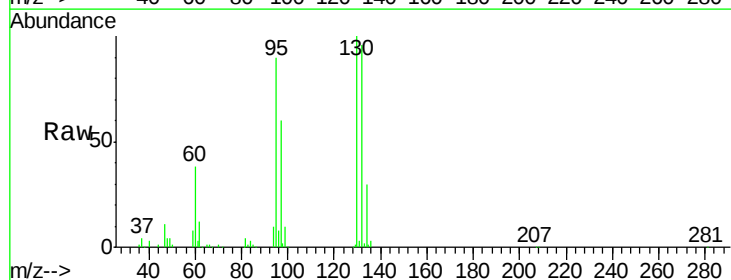
RT: 9.11 min Scan# 1223

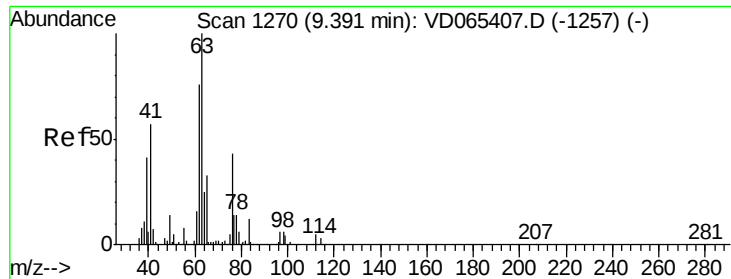
Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Tgt Ion:	130	Resp:	252928
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	186.0





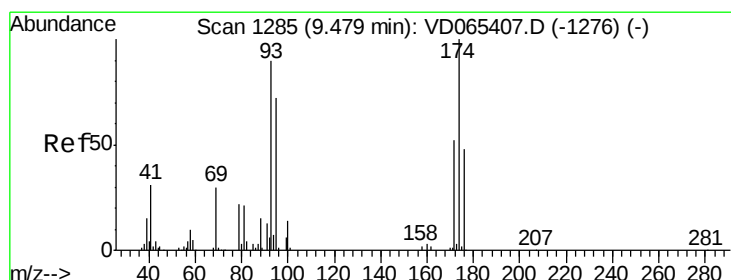
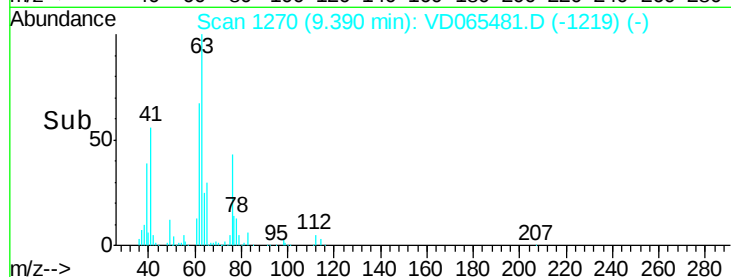
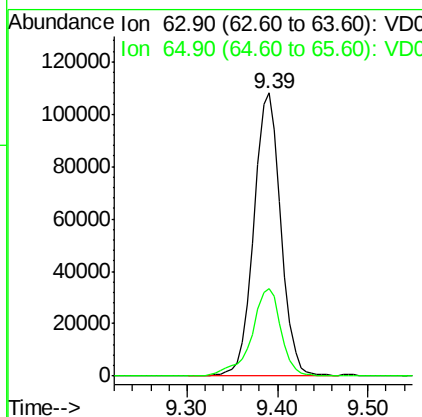
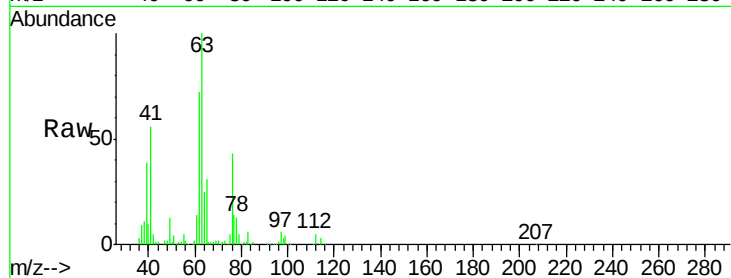
#45
 1,2-Dichloropropane
 Concen: 50.317 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	26.4	39.6

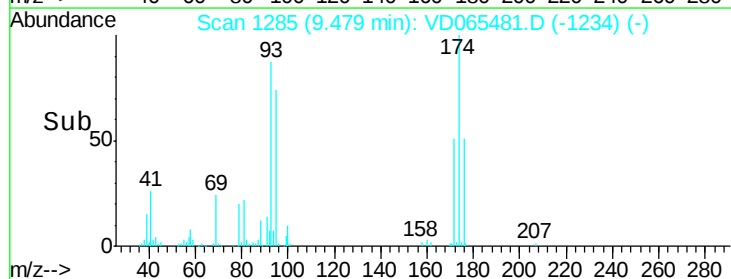
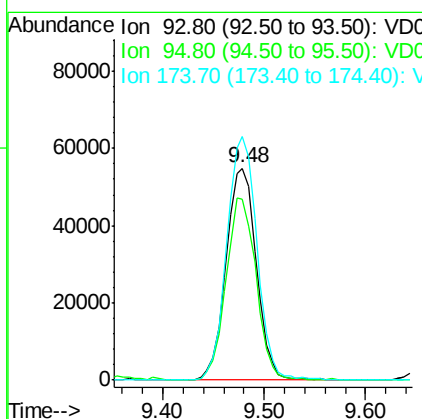
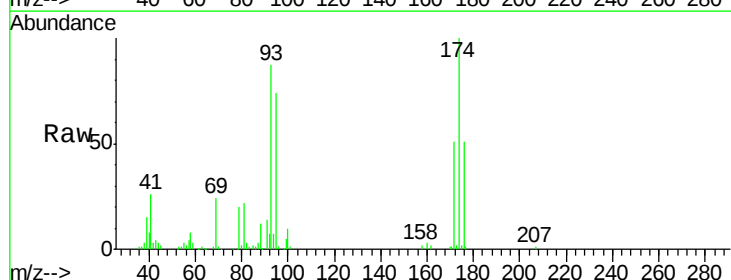
Manual Integrations
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 3/13/2020 9:49:39 AM



#46
 Dibromomethane
 Concen: 49.634 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	65.0	97.6
174	114.4	88.3	132.5





#47

Bromodichloromethane

Concen: 49.833 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

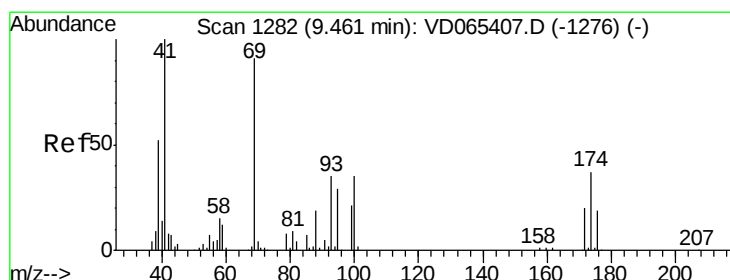
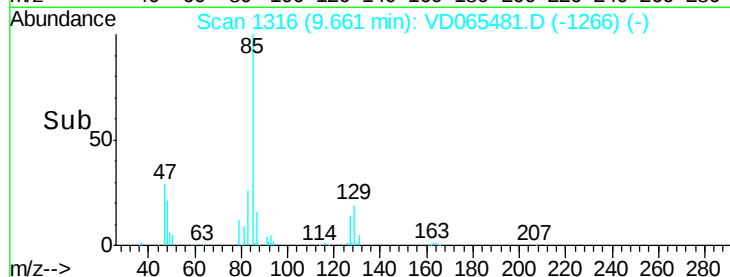
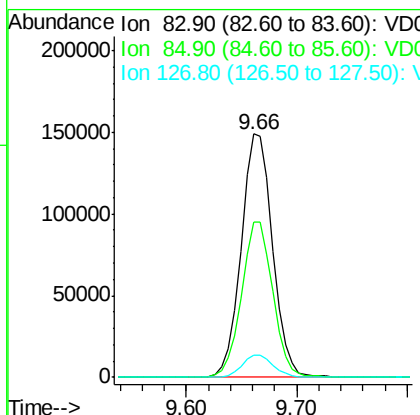
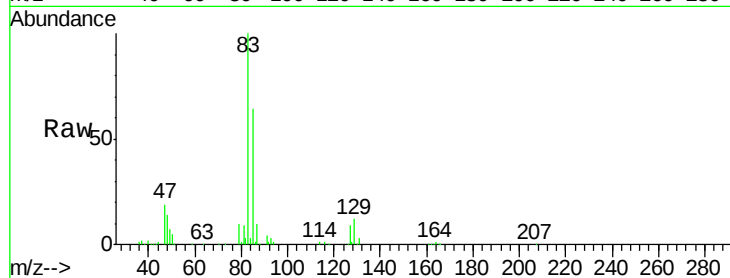
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	297783
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.8	79.2
127	9.0	8.0	12.0

Manual Integrations
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MMDadoda
3/13/2020 9:49:39 AM



#48

Methyl methacrylate

Concen: 48.275 ug/l

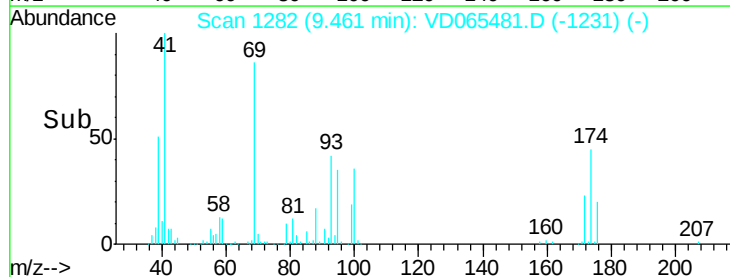
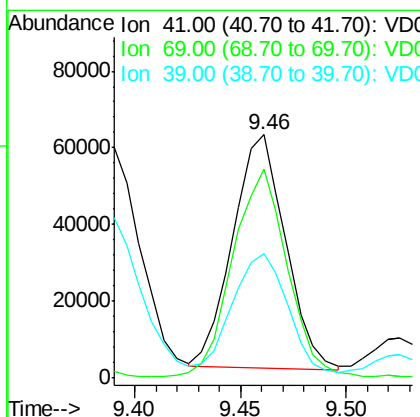
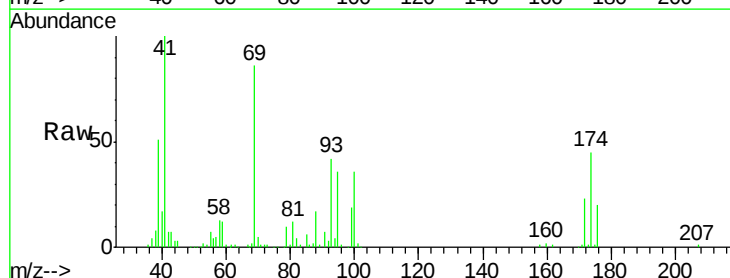
RT: 9.46 min Scan# 1282

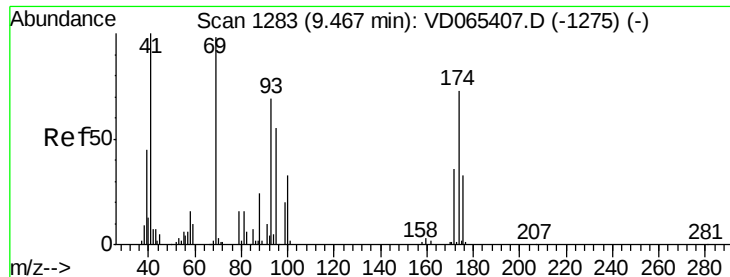
Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Tgt Ion:	41	Resp:	105961
Ion Ratio	Lower	Upper	
41	100		
69	92.5	72.5	108.7
39	52.8	41.6	62.4





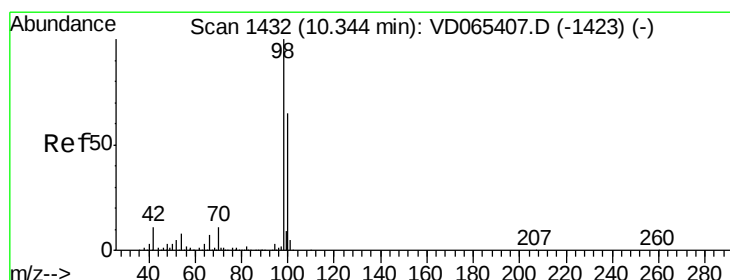
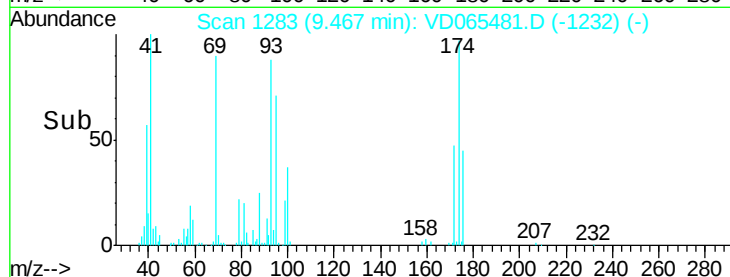
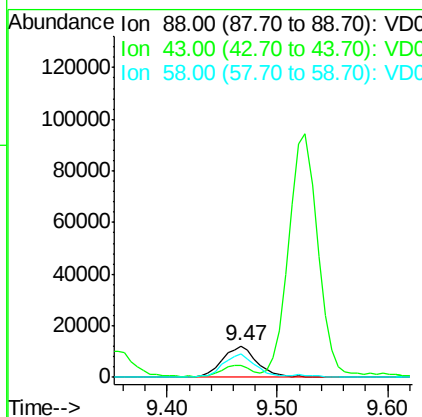
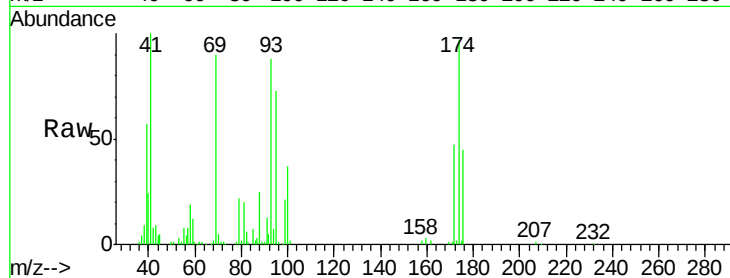
#49
1,4-Dioxane
Concen: 1007.026 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	26458
Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.5	36.7
58	71.1	54.5	81.7

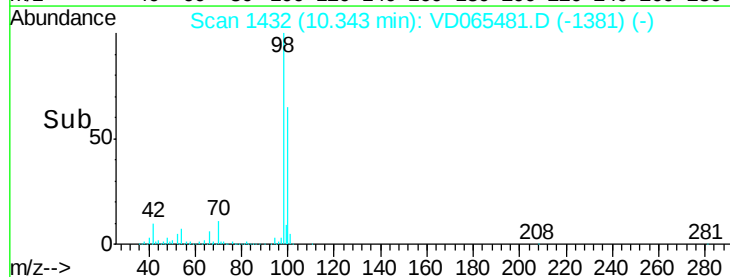
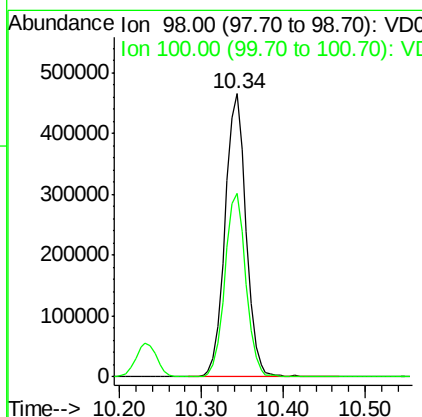
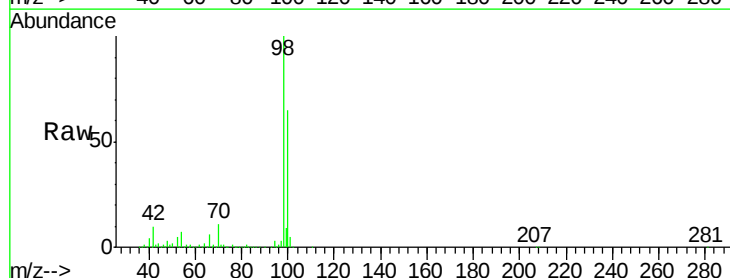
Manual Integrations
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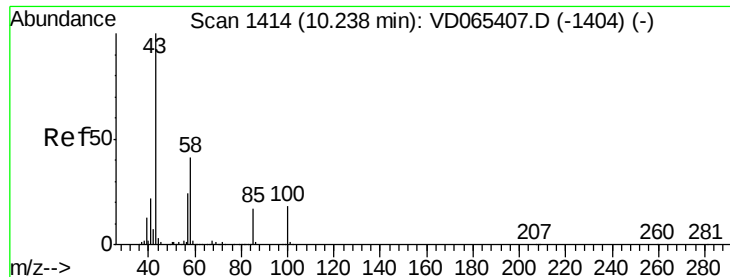
MMDadoda
3/13/2020 9:49:39 AM



#50
Toluene-d8
Concen: 51.459 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	98	Resp	832722
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.8	79.2





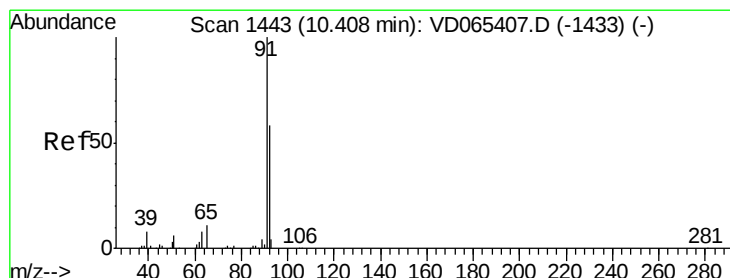
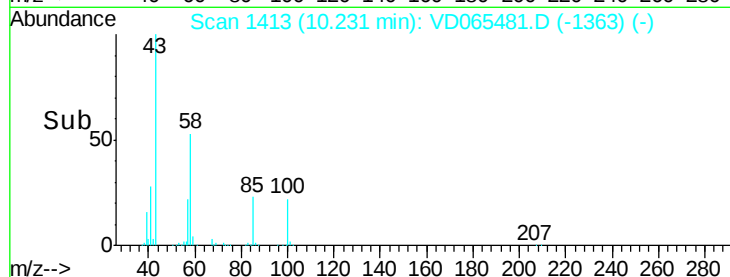
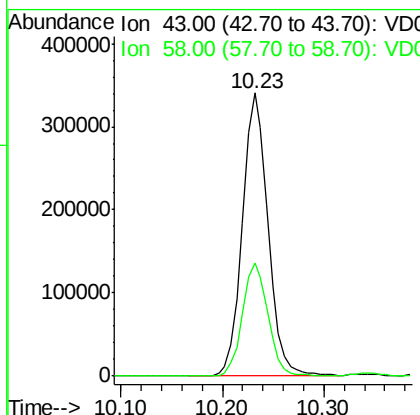
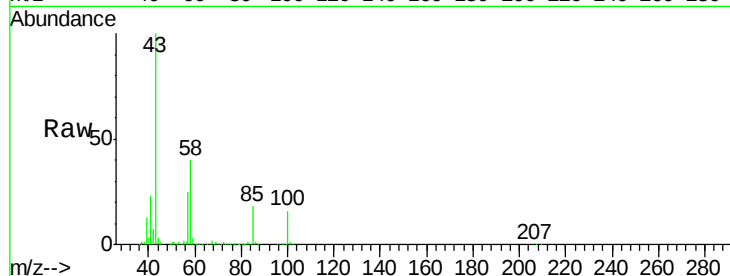
#51
4-Methyl-2-Pentanone
Concen: 254.725 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.8	47.6

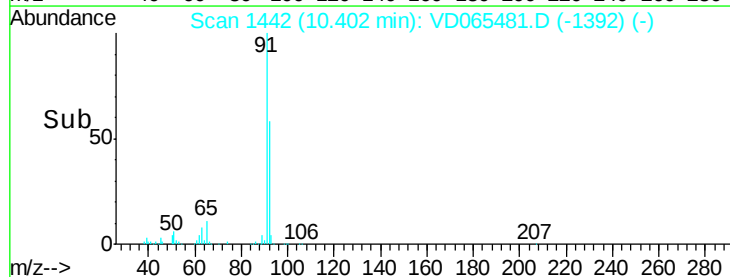
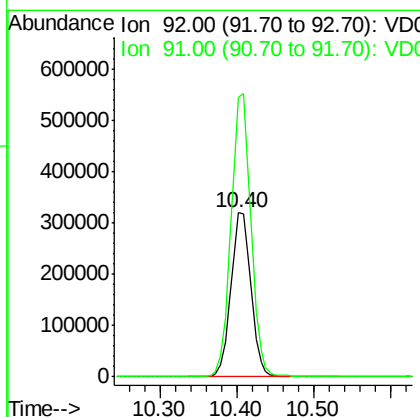
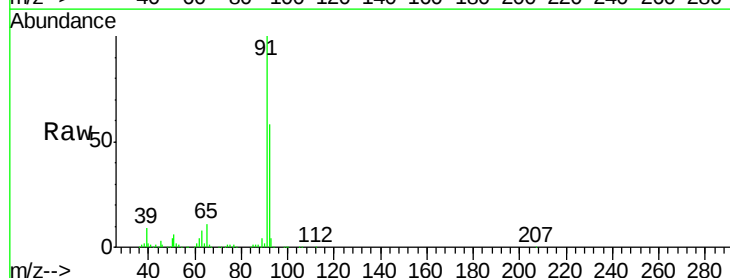
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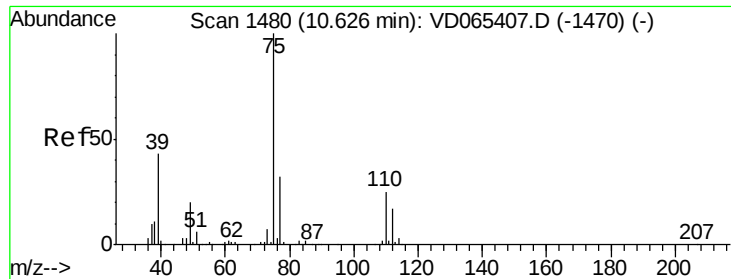
MMDadoda
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#52
Toluene
Concen: 50.836 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.5	137.8	206.8





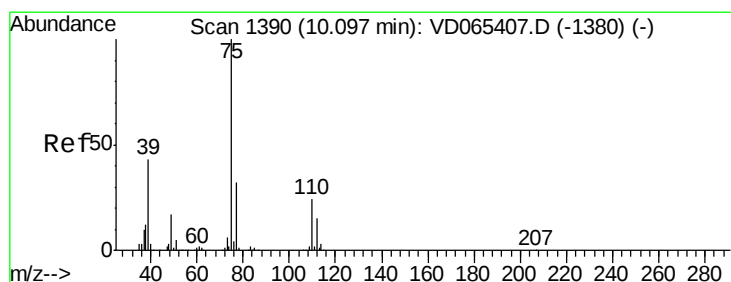
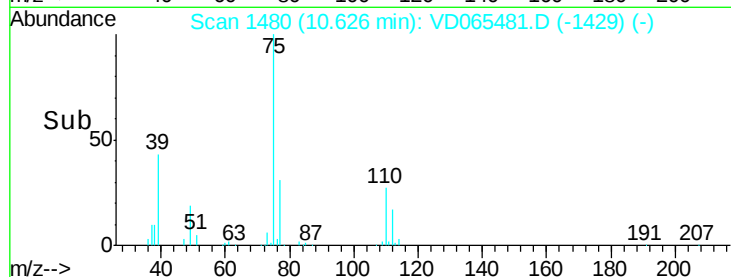
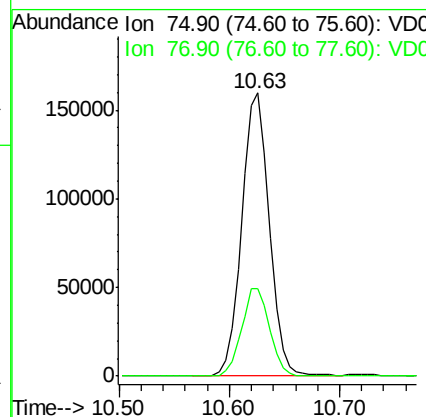
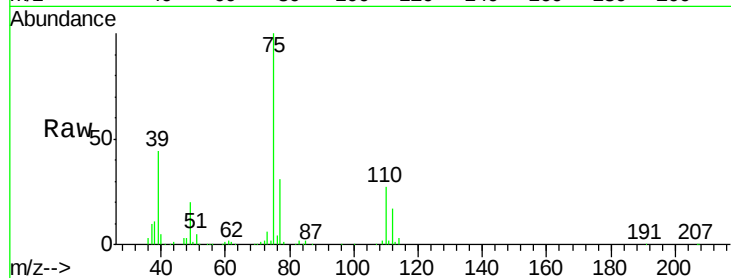
#53
t-1,3-Dichloropropene
Concen: 50.343 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2

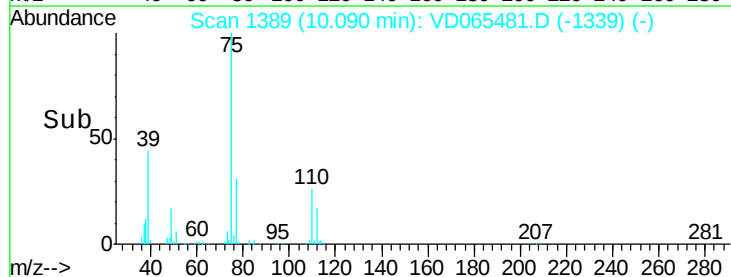
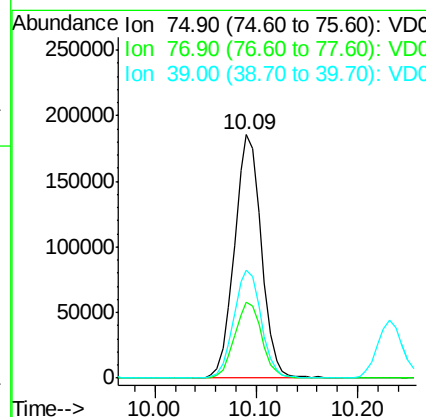
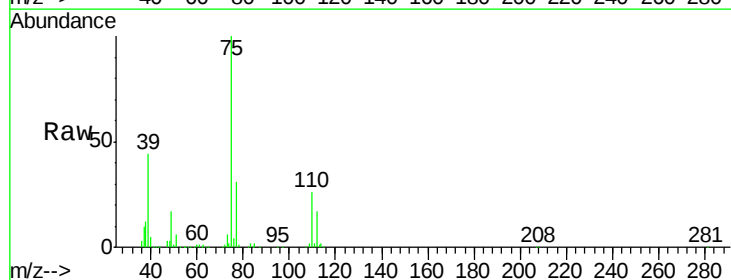
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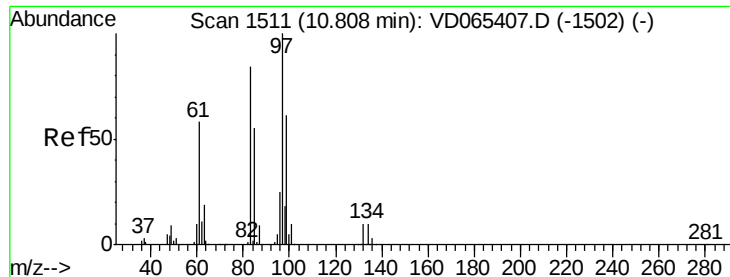
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.473 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	44.2	34.6	52.0





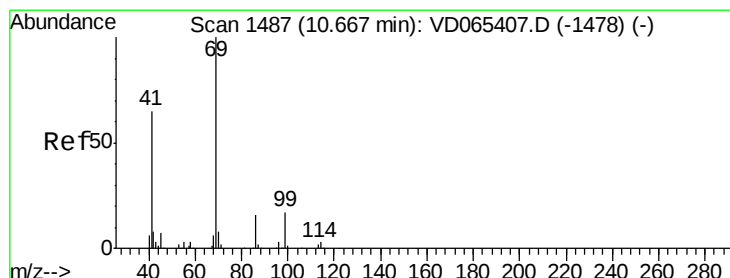
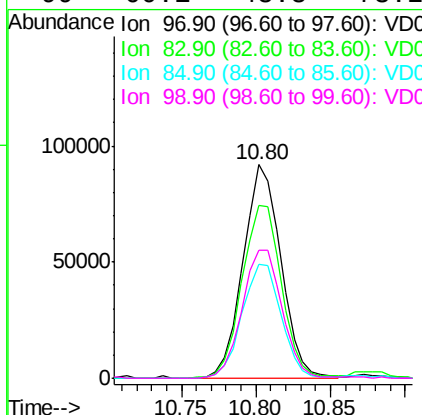
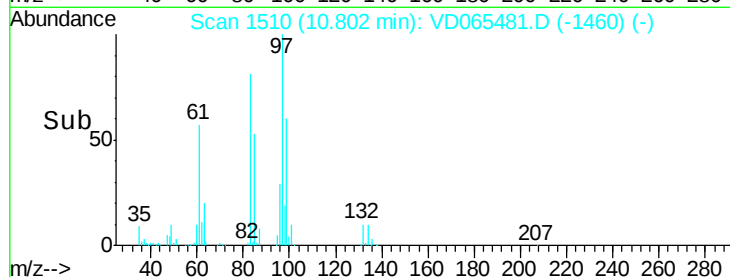
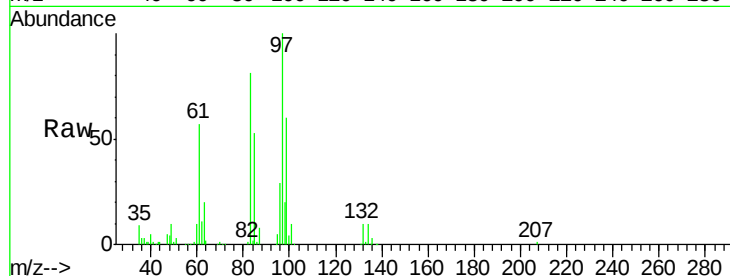
#55
 1,1,2-Trichloroethane
 Concen: 49.235 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		160171		
83	81.2	67.4	101.0		
85	53.6	43.8	65.8		
99	60.1	48.8	73.2		

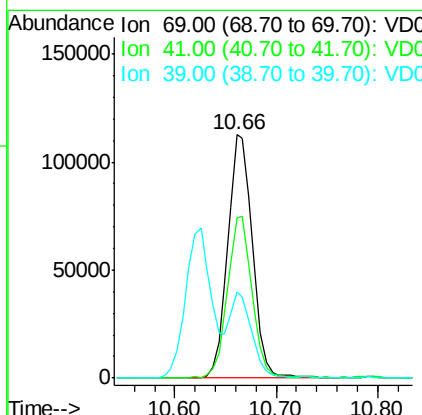
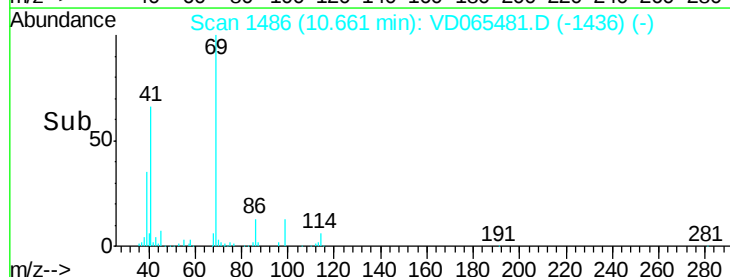
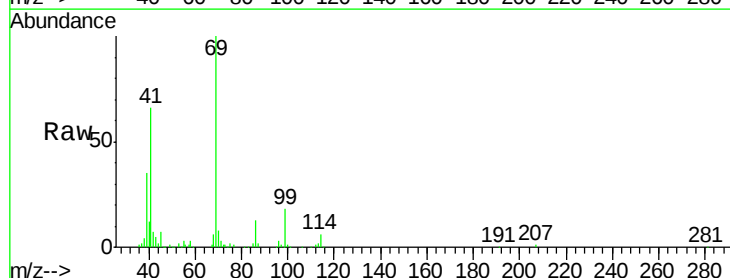
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#56
 Ethyl methacrylate
 Concen: 52.018 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		190775		
41	66.4	53.0	79.6		
39	29.7	26.0	39.0		





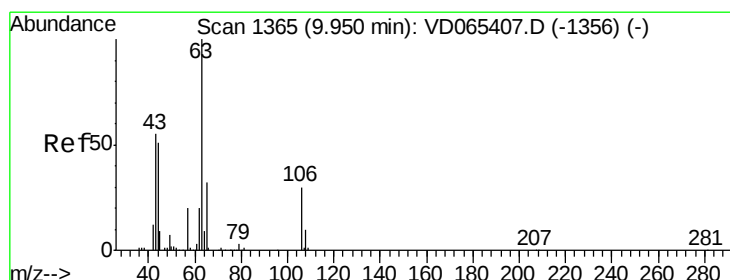
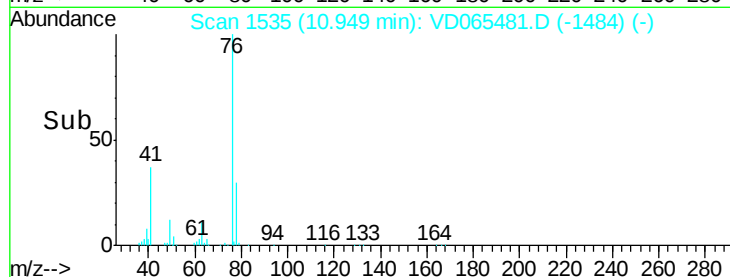
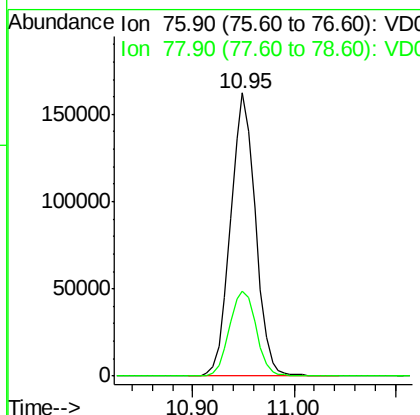
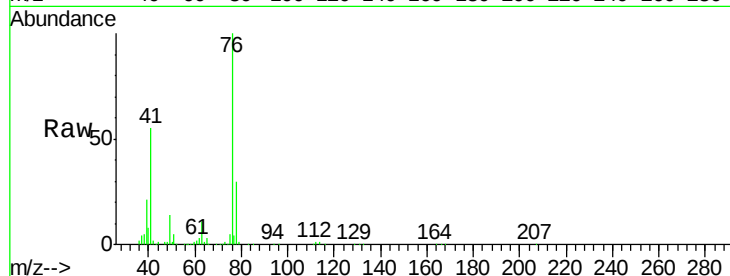
#57
 1,3-Dichloropropane
 Concen: 50.334 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0

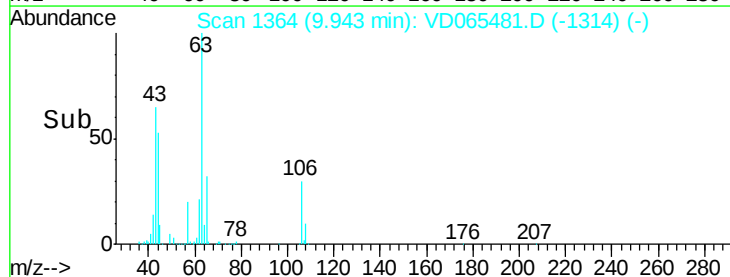
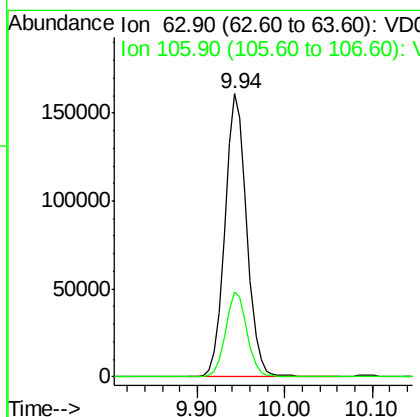
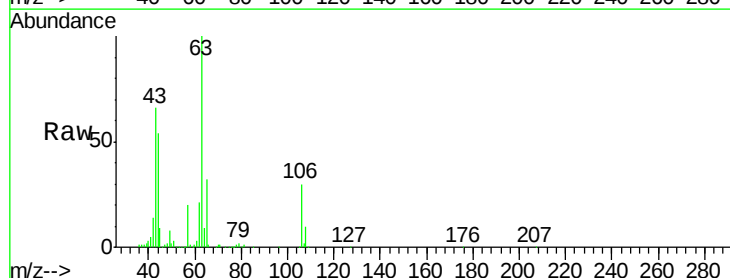
Manual Integrations
 APPROVED

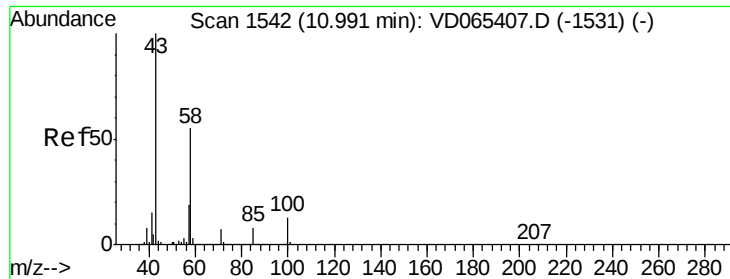
MMDadoda
 3/13/2020 9:49:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.392 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.3	34.9





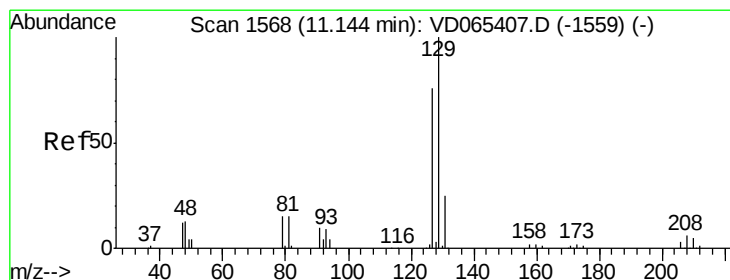
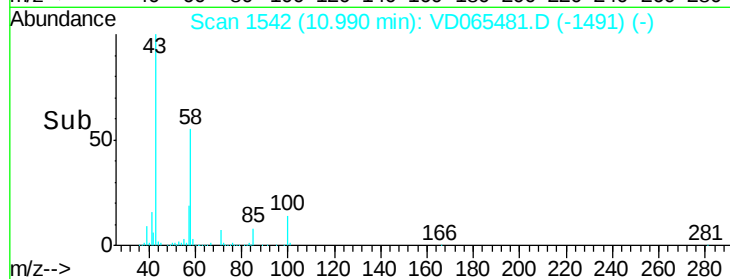
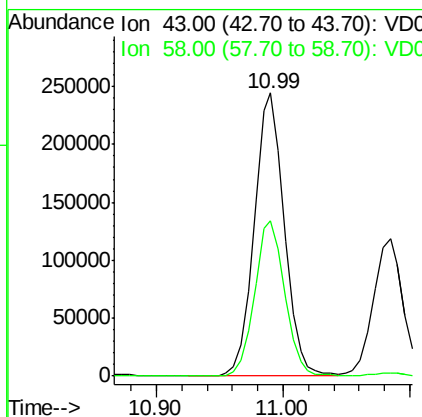
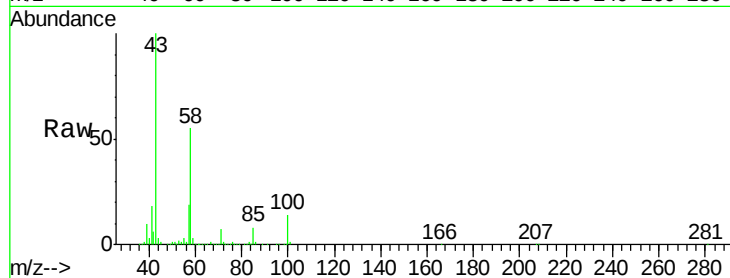
#59
2-Hexanone
Concen: 248.593 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 404081
Ion Ratio Lower Upper
43 100
58 55.1 27.4 82.2

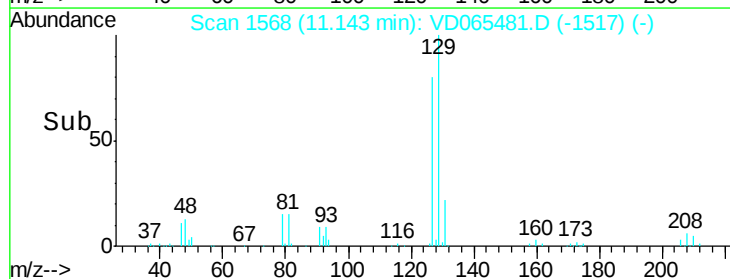
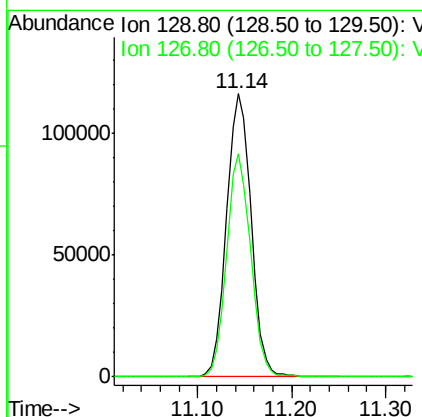
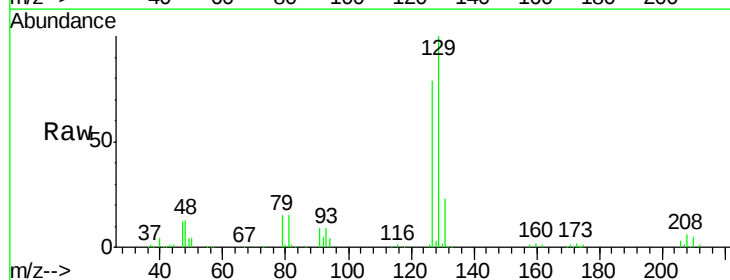
Manual Integrations
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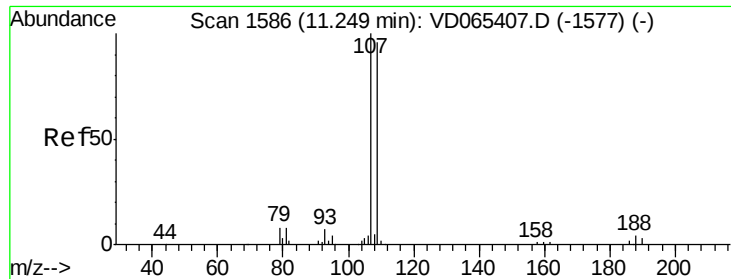
MMDadoda
3/13/2020 9:49:39 AM



#60
Dibromochloromethane
Concen: 50.732 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion:129 Resp: 211559
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





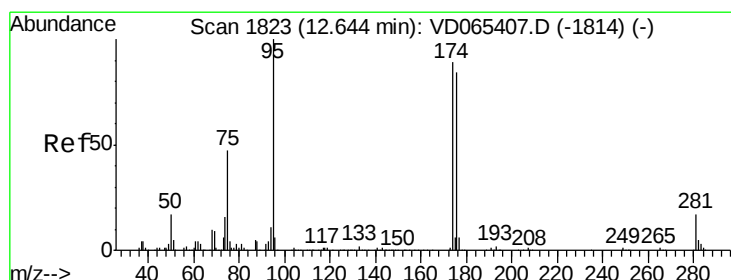
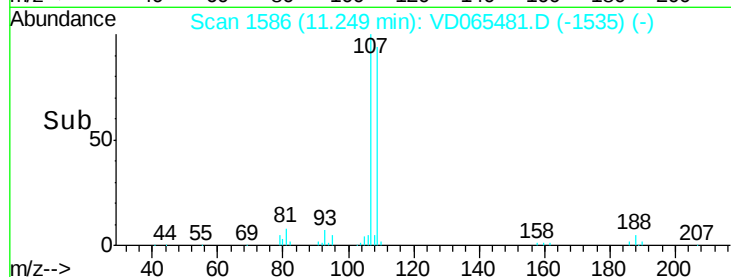
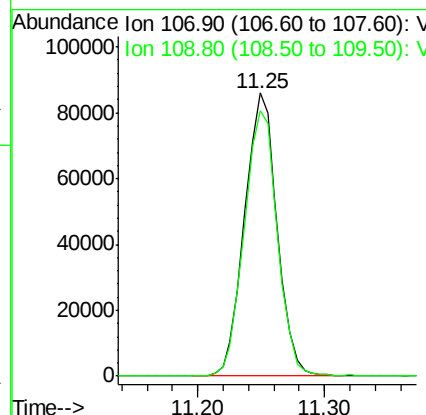
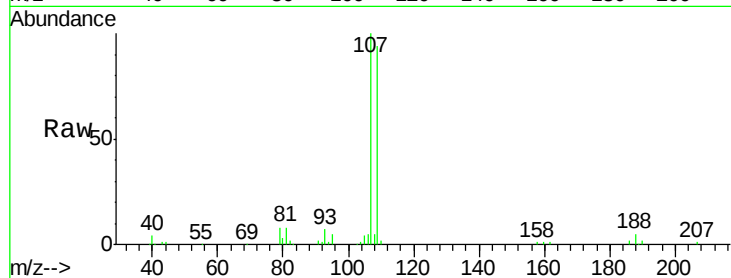
#61
 1,2-Dibromoethane
 Concen: 49.377 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.8	115.2

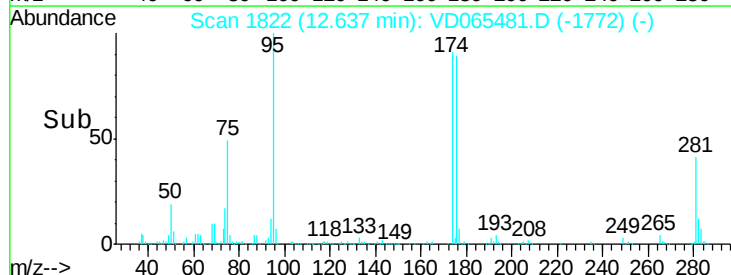
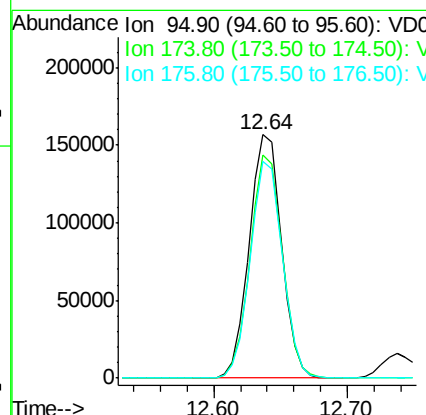
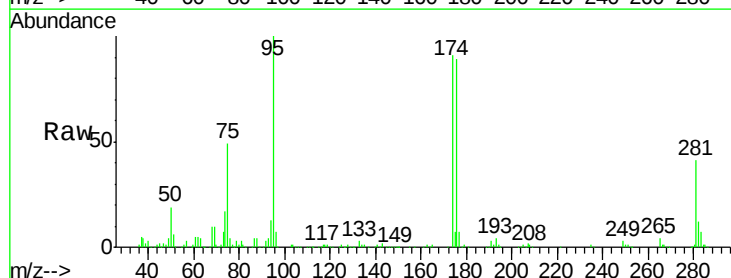
Manual Integrations
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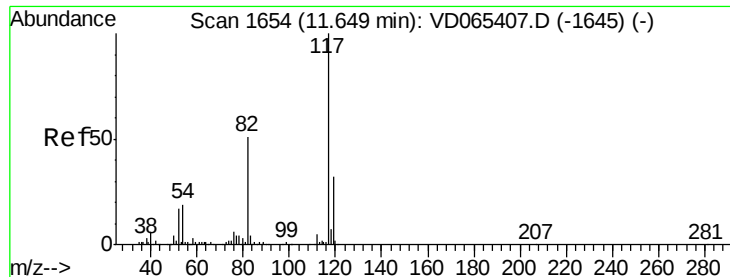
MMDadoda
 3/13/2020 9:49:39 AM



#62
 4-Bromofluorobenzene
 Concen: 52.367 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	176.8
176	88.7	0.0	171.4





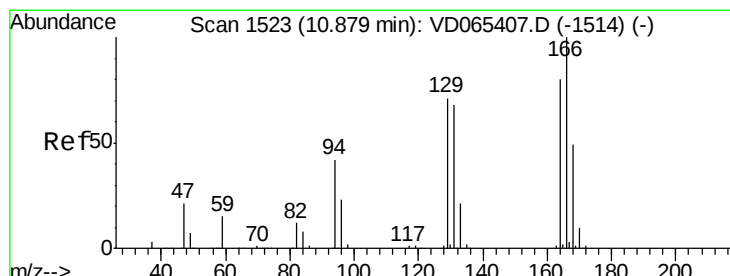
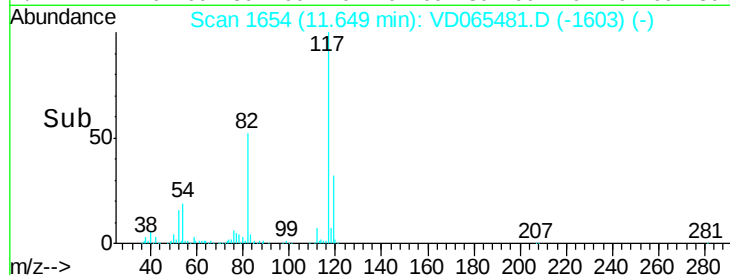
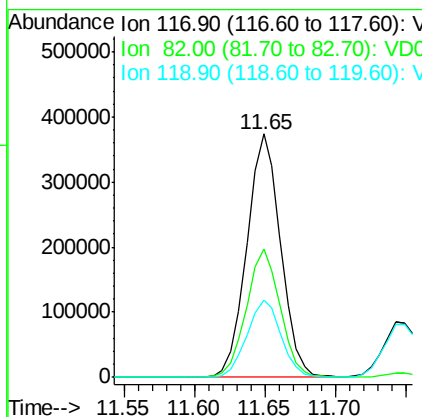
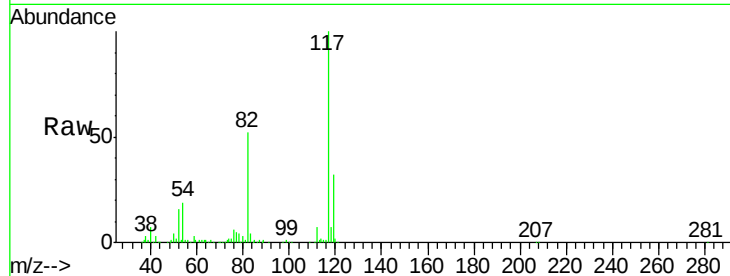
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	628534		
82	52.5		40.6	60.8
119	31.8		25.4	38.2

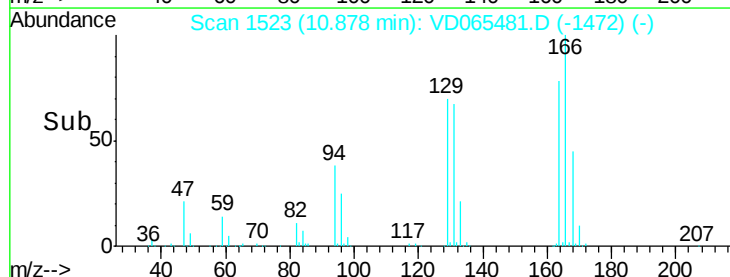
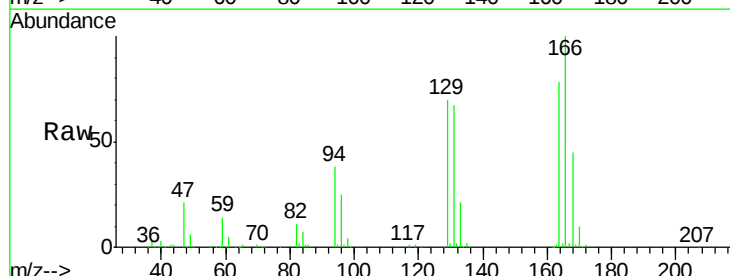
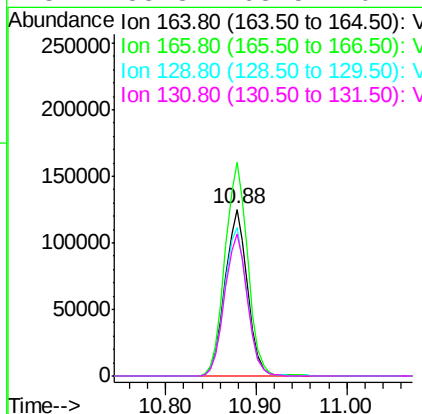
Manual Integrations
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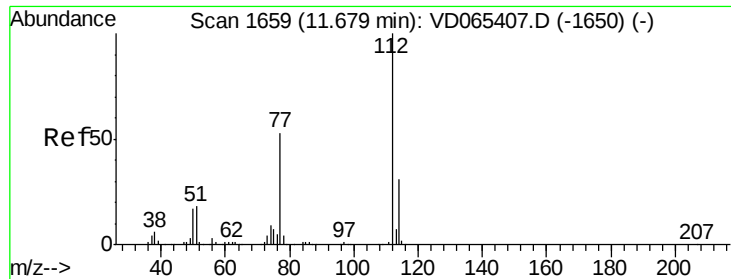
MMDadoda
3/13/2020 9:49:39 AM



#64
Tetrachloroethene
Concen: 47.528 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	214059		
166	128.2		100.5	150.7
129	89.1		71.5	107.3
131	85.3		68.5	102.7





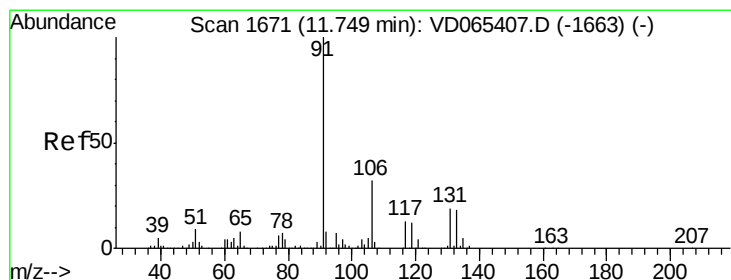
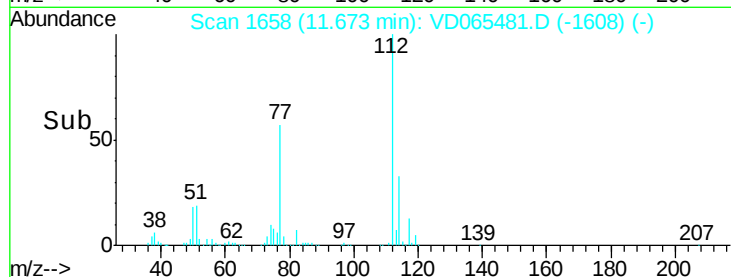
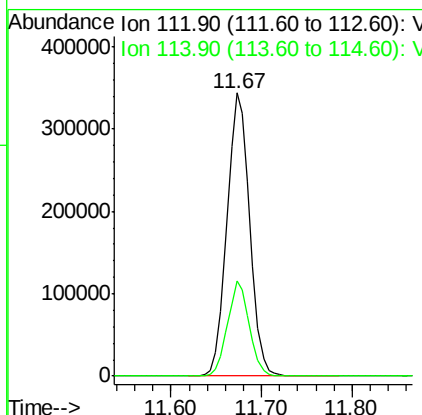
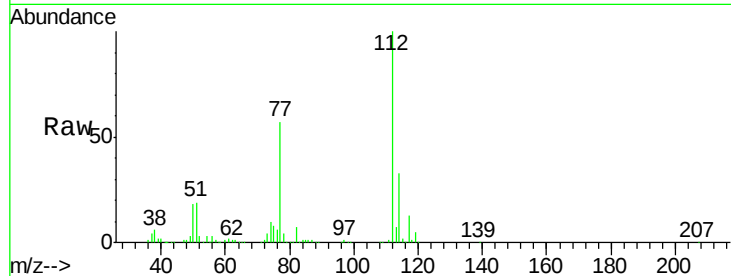
#65
Chlorobenzene
Concen: 47.997 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	24.4	36.6

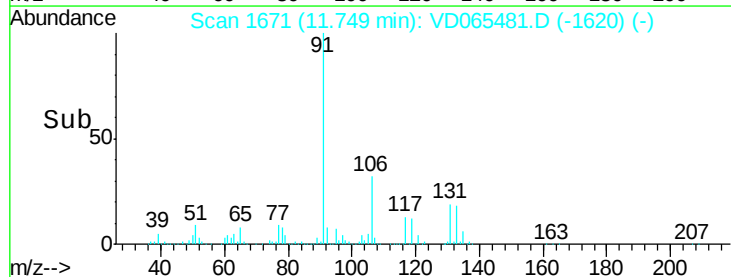
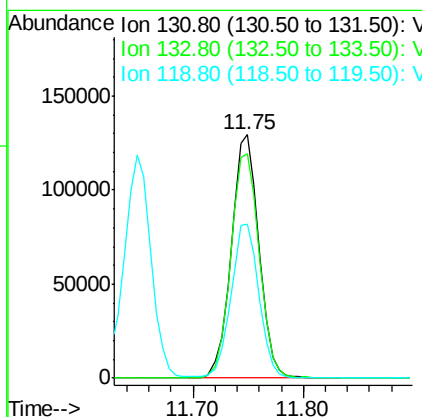
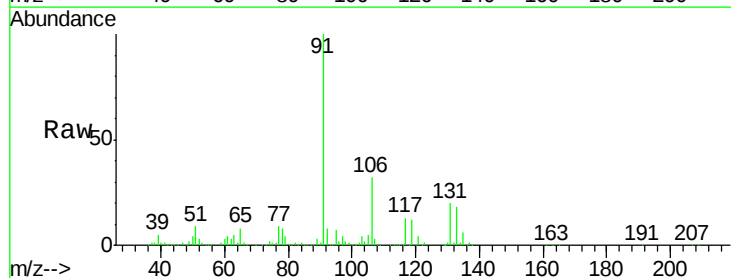
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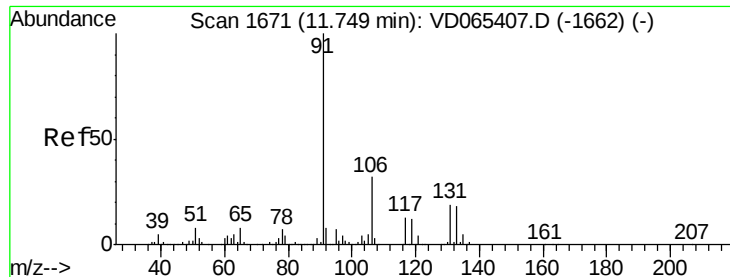
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.003 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	49.2	147.6
119	64.6	33.3	99.8





#67

Ethyl Benzene

Concen: 50.115 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1077032

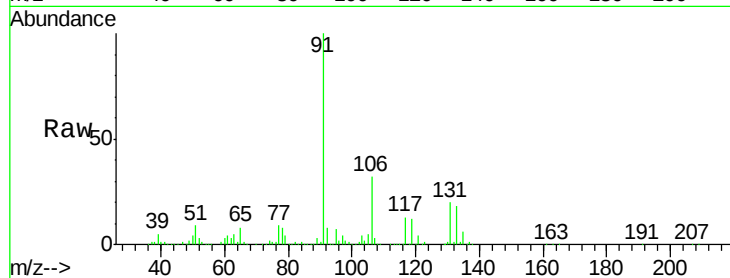
Ion Ratio Lower Upper

91 100

106 31.7 25.2 37.8

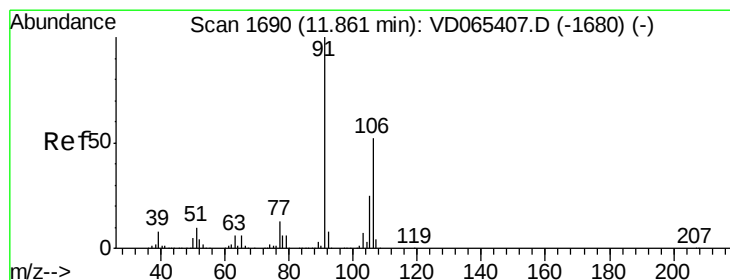
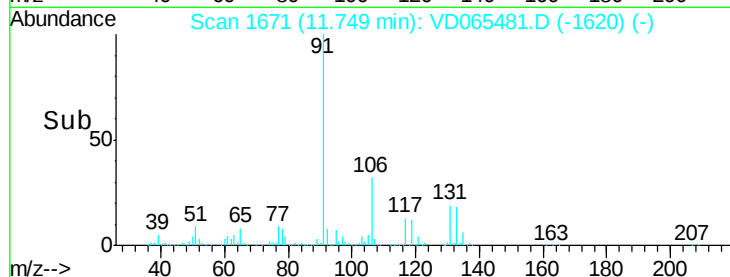
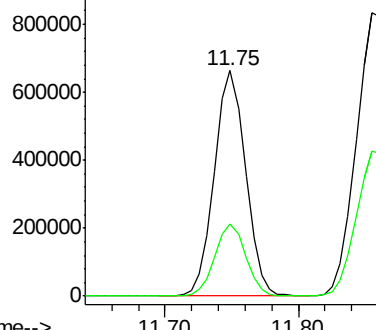
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 101.265 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065481.D

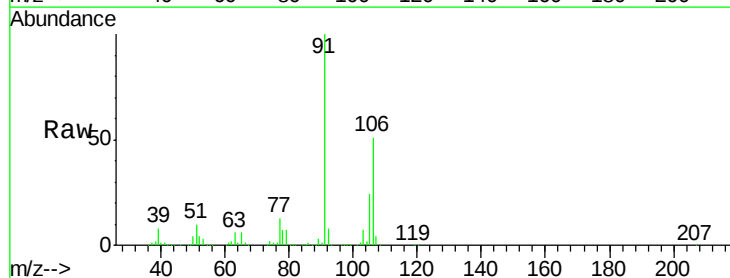
Acq: 11 Mar 2020 16:49

Tgt Ion: 106 Resp: 839166

Ion Ratio Lower Upper

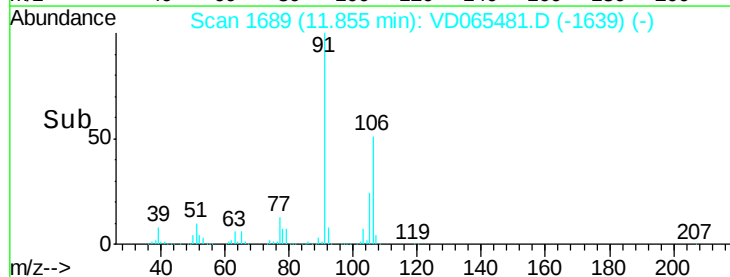
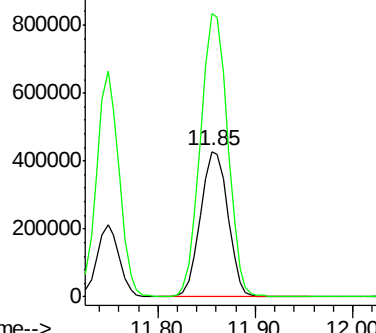
106 100

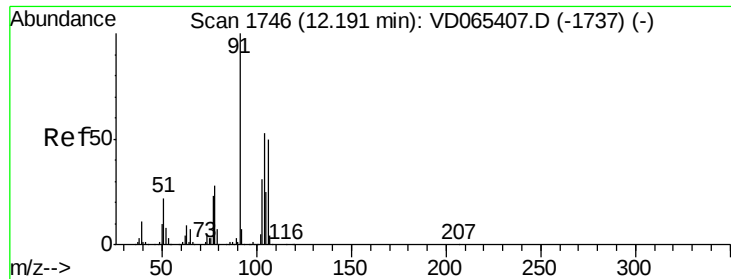
91 193.4 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





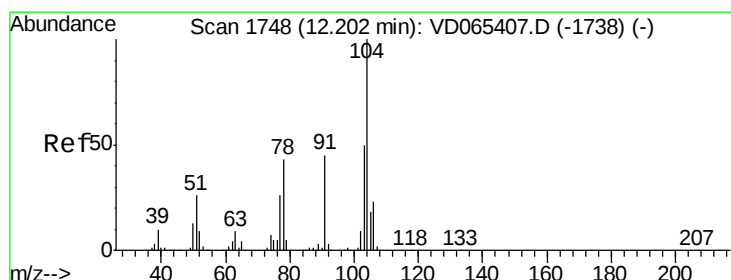
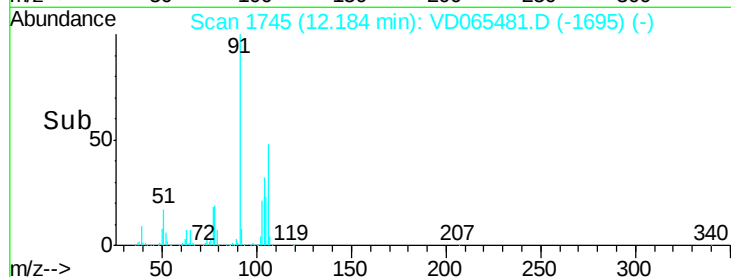
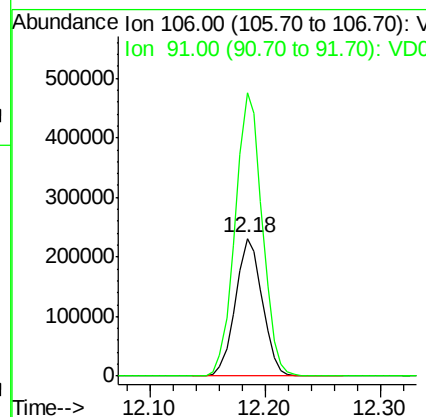
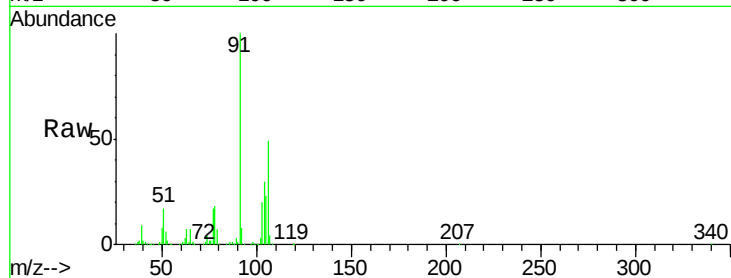
#69
o-Xylene
Concen: 51.177 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	373052		
91	207.4	103.5	310.3	

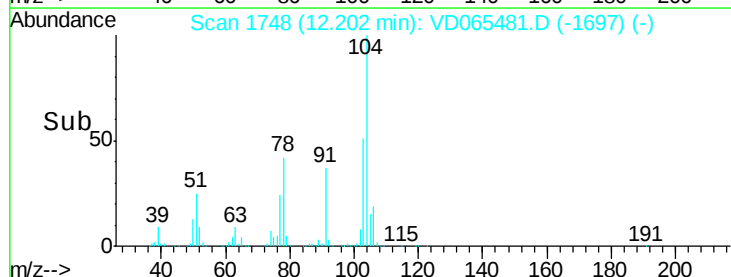
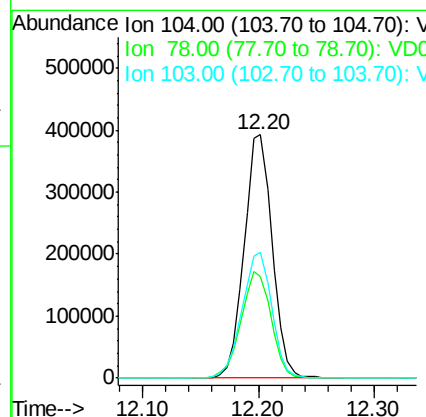
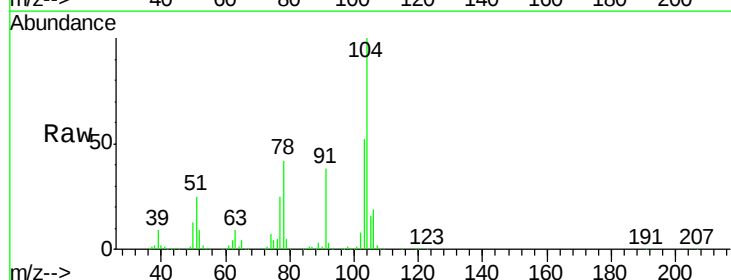
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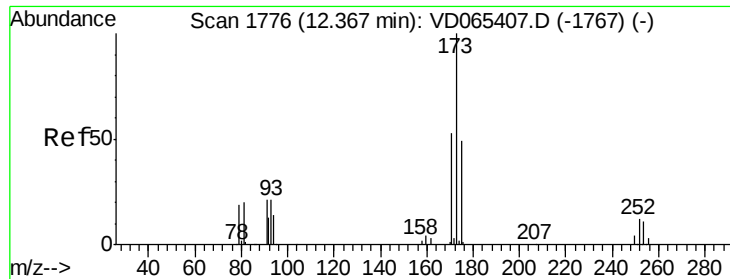
MMDadoda
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#70
Styrene
Concen: 51.579 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	661702		
78	47.1	37.7	56.5	
103	54.9	43.6	65.4	





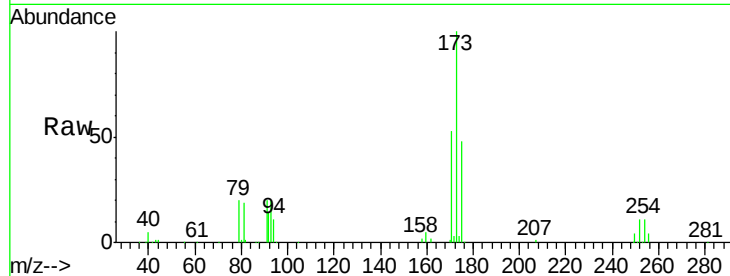
#71
Bromoform
Concen: 49.077 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

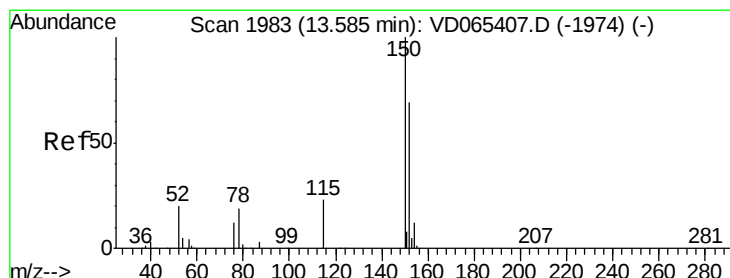
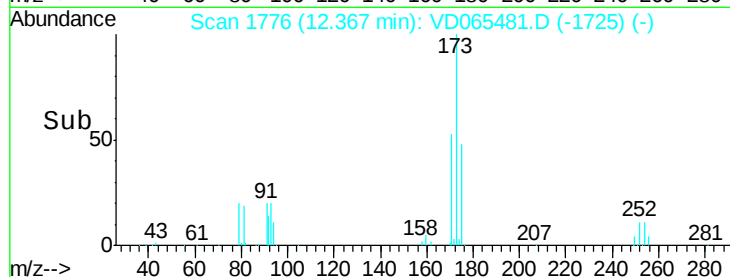
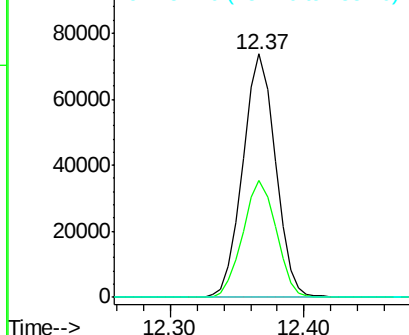
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	73.0
254	0.1	0.1	0.1

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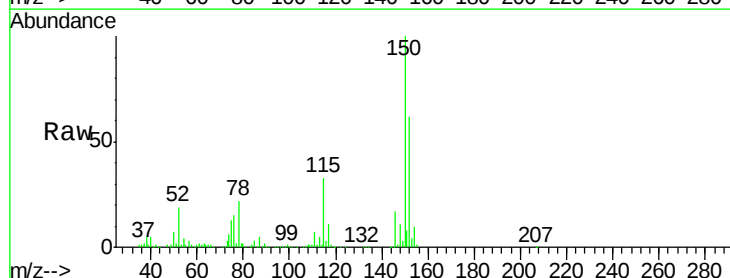


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

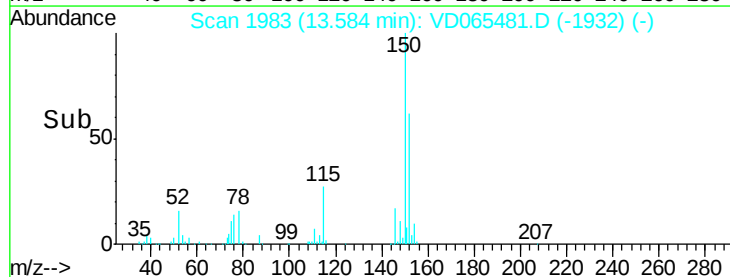
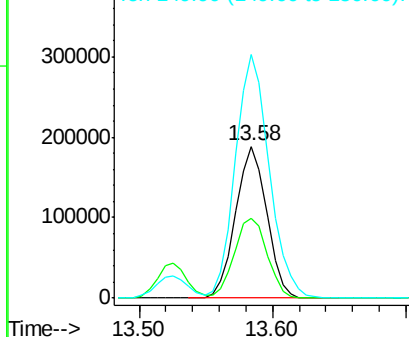


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.6	82.8
150	174.8	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: 50.634 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1013958

Ion Ratio Lower Upper

105 100

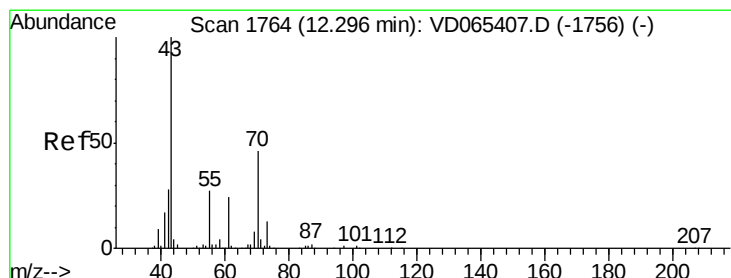
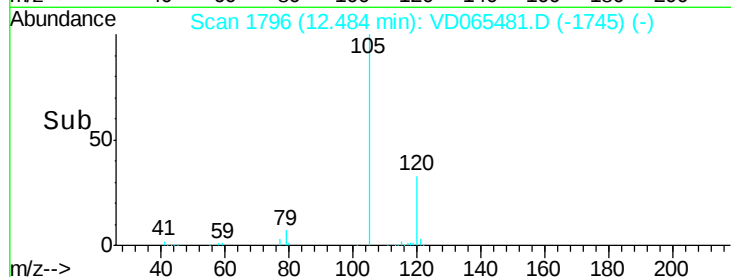
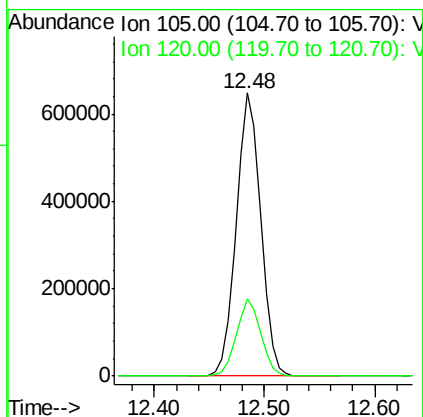
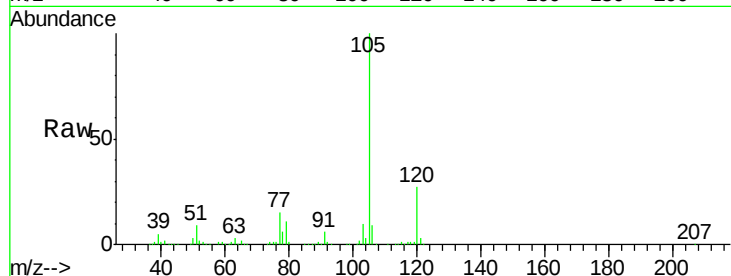
120 26.9 13.5 40.4

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#74

N-ethyl acetate

Concen: 49.165 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Tgt Ion: 43 Resp: 201556

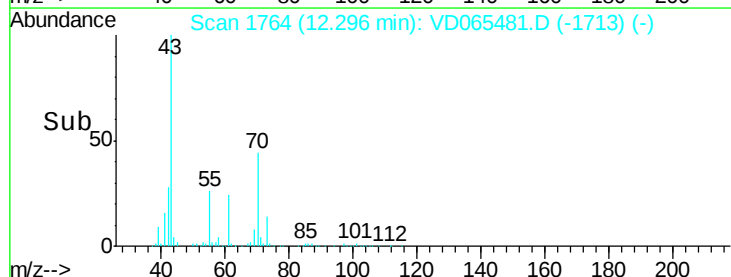
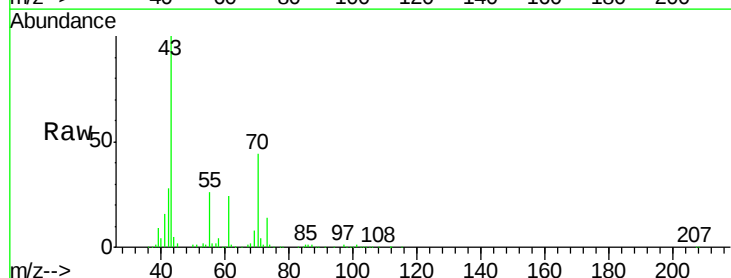
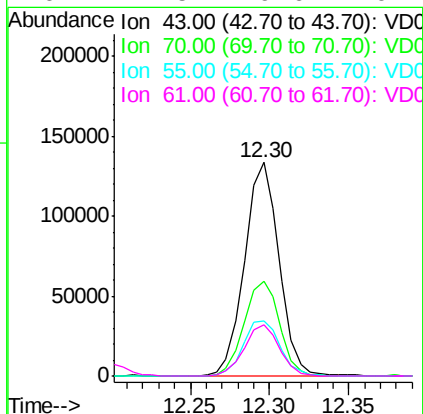
Ion Ratio Lower Upper

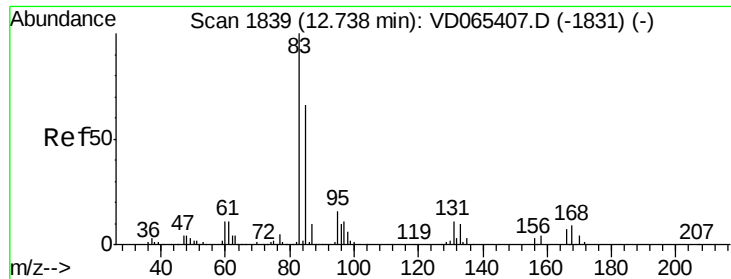
43 100

70 45.9 36.1 54.1

55 27.9 21.6 32.4

61 24.5 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.813 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

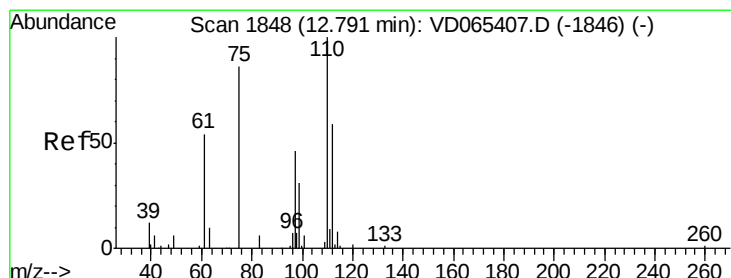
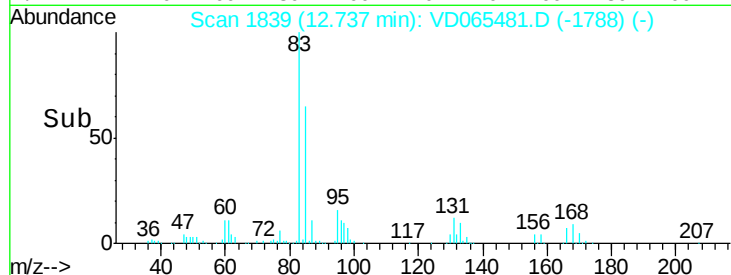
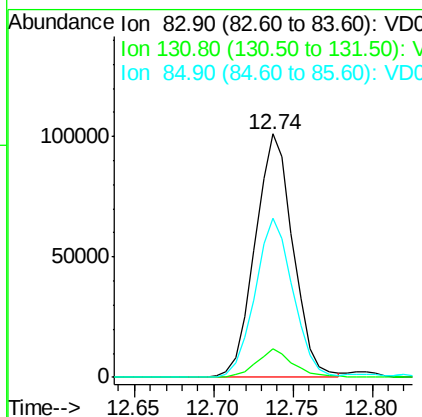
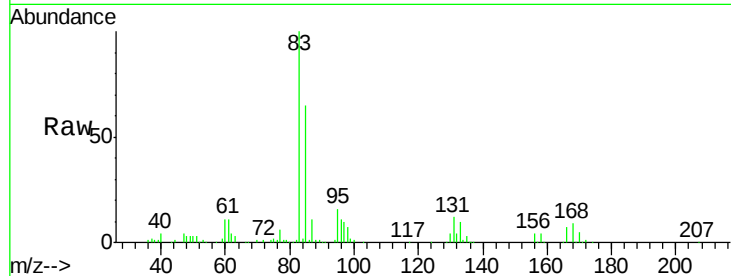
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	168298
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	65.3	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.074 ug/l m

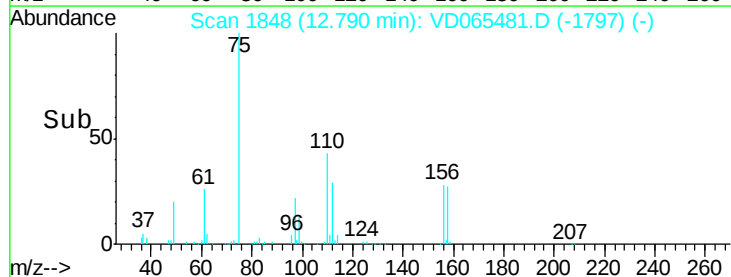
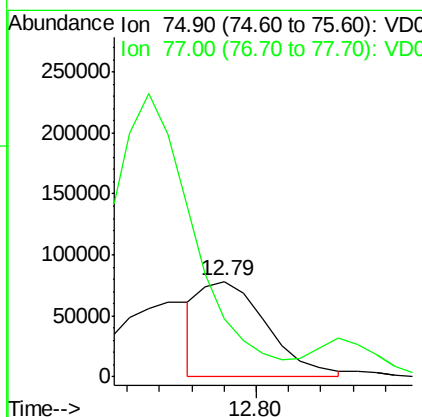
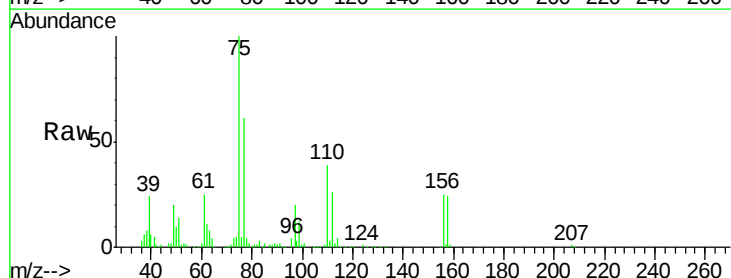
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Tgt Ion:	75	Resp:	113088
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.009 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

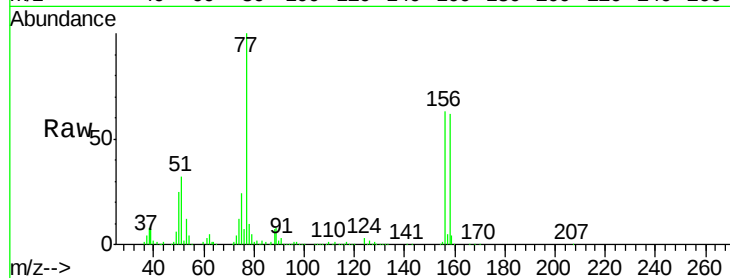
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	248807
Ion Ratio	Lower	Upper	
156	100		
77	168.5	84.9	254.6
158	97.4	49.0	147.2

Manual Integrations
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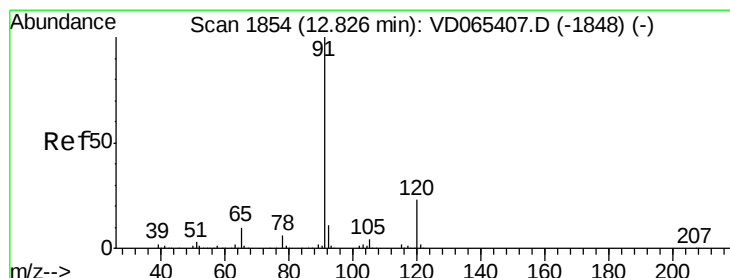
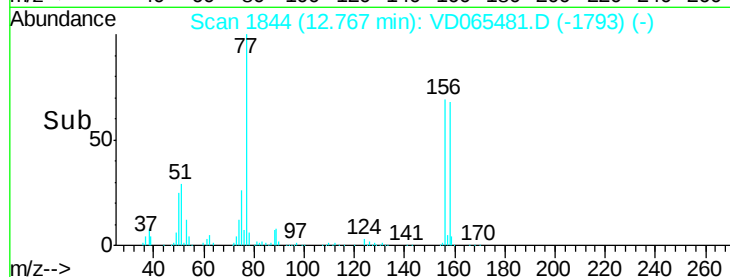
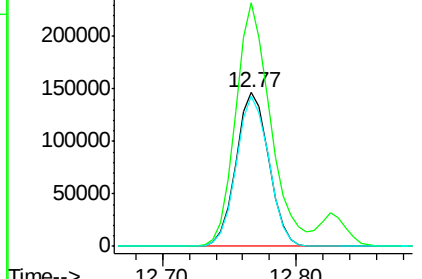
MMDadoda
3/13/2020 9:49:39 AM



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: 50.376 ug/l

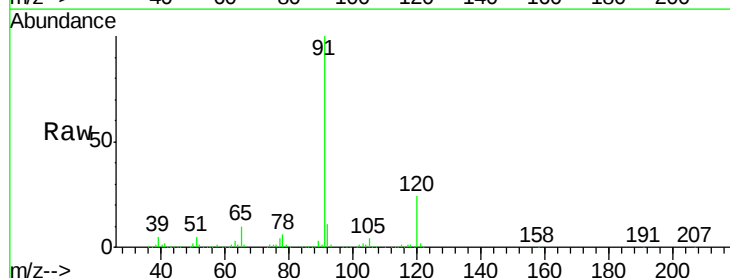
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065481.D

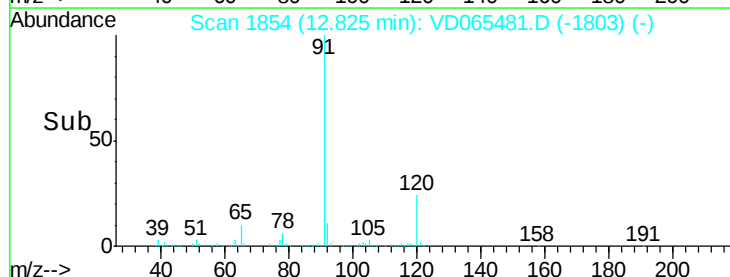
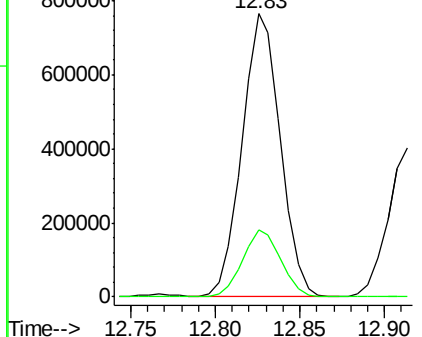
Acq: 11 Mar 2020 16:49

Tgt Ion:	91	Resp:	1196915
Ion Ratio	Lower	Upper	
91	100		
120	23.7	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: 50.343 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 674125

Ion Ratio Lower Upper

91 100

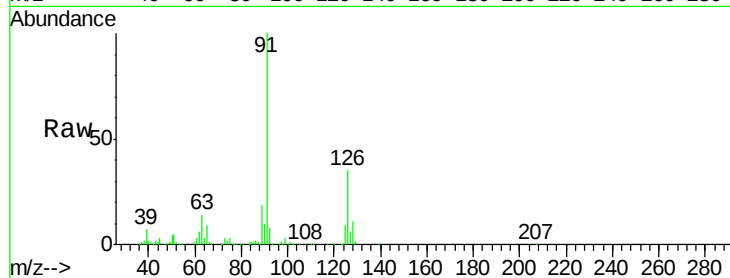
126 34.9 17.9 53.8

Manual Integrations

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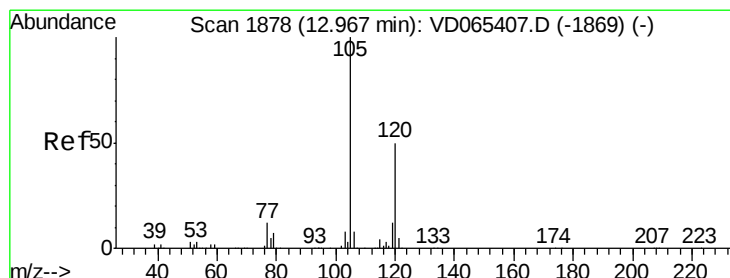
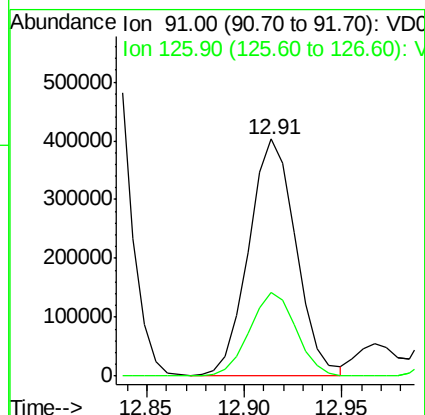
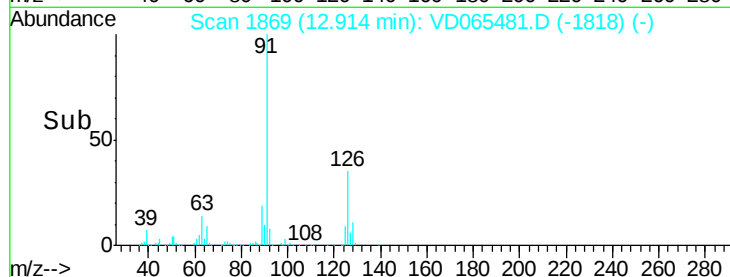
3/13/2020 9:49:39 AM



Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065407.D (-1862) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.007 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065481.D

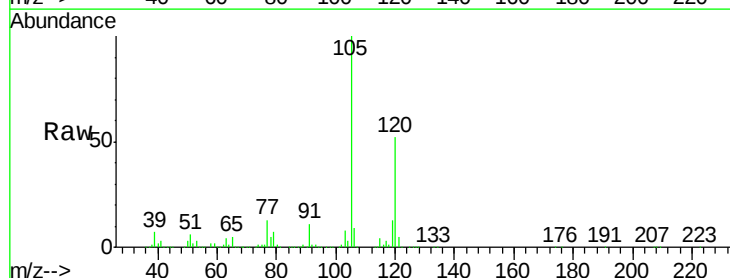
Acq: 11 Mar 2020 16:49

Tgt Ion: 105 Resp: 823256

Ion Ratio Lower Upper

105 100

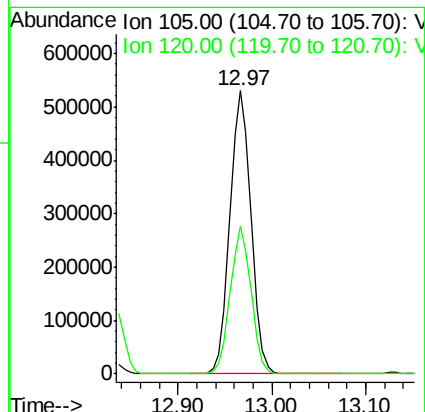
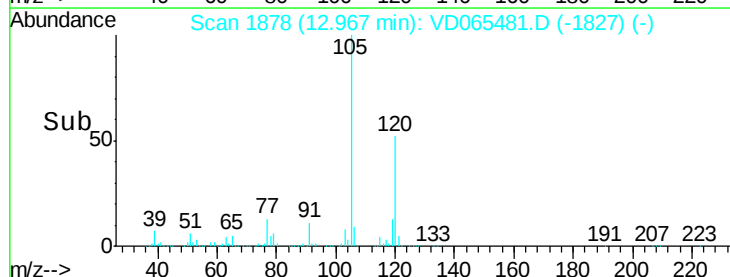
120 51.4 25.4 76.0

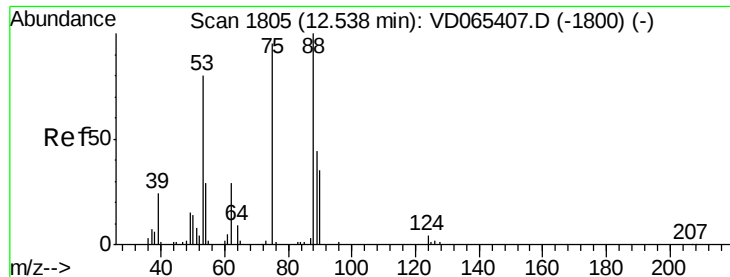


Abundance Ion 105.00 (104.70 to 105.70): VD065407.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065407.D (-1869) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.162 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

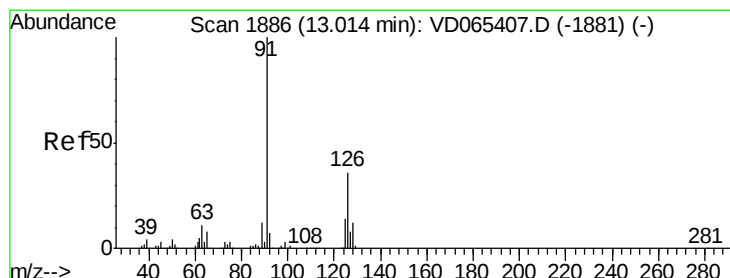
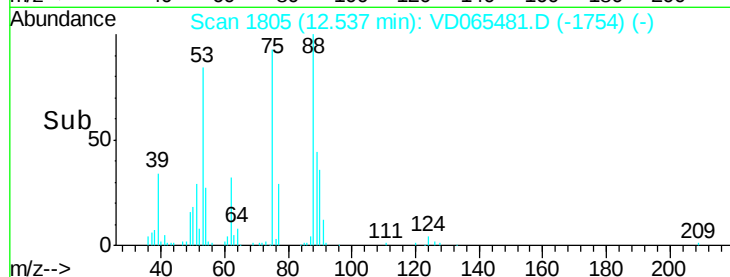
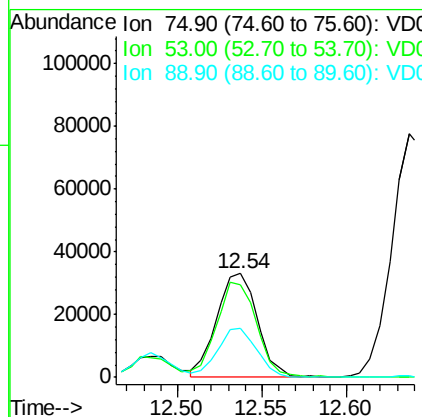
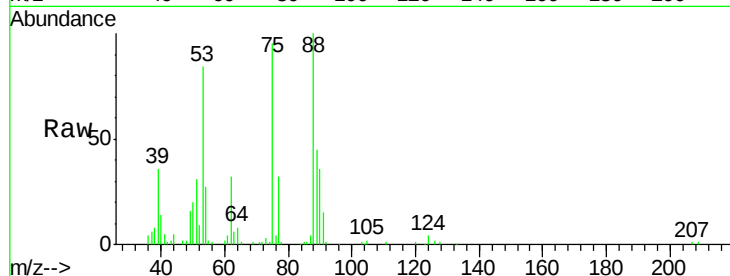
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	54827
Ion	Ratio	Lower	Upper
75	100		
53	92.7	71.3	106.9
89	46.1	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.716 ug/l

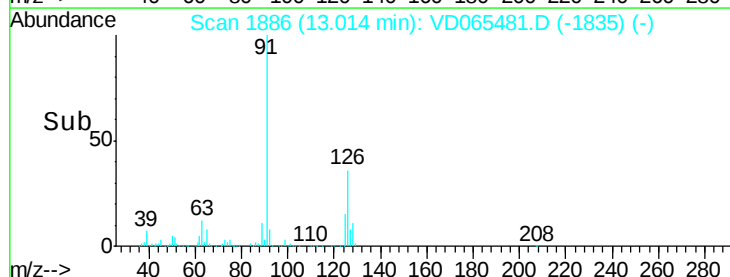
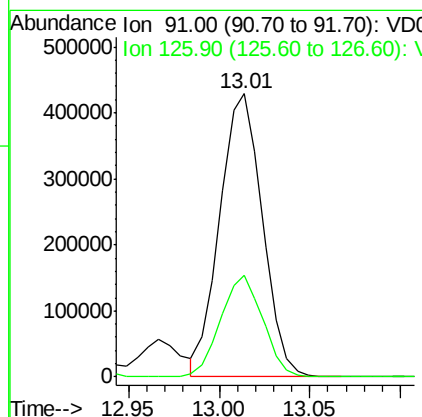
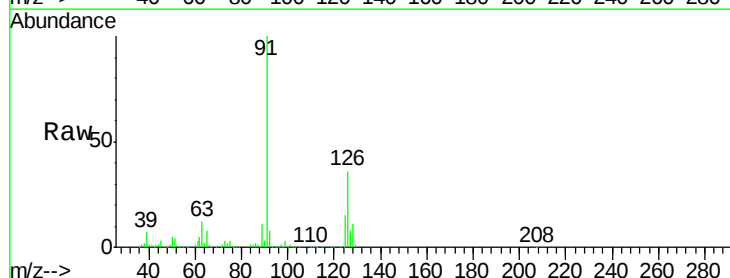
RT: 13.01 min Scan# 1886

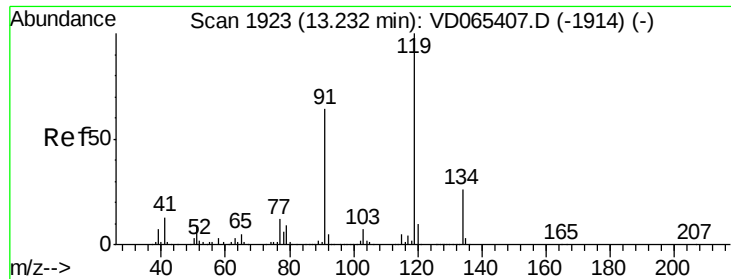
Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Tgt Ion:	91	Resp:	699568
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.6	52.8





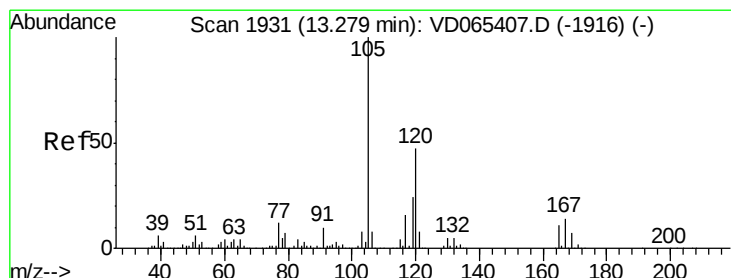
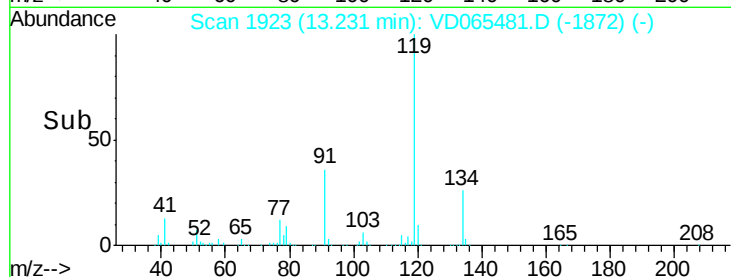
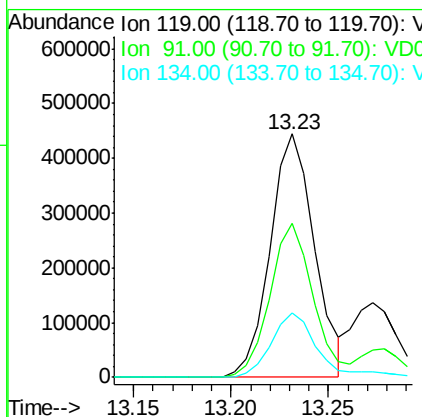
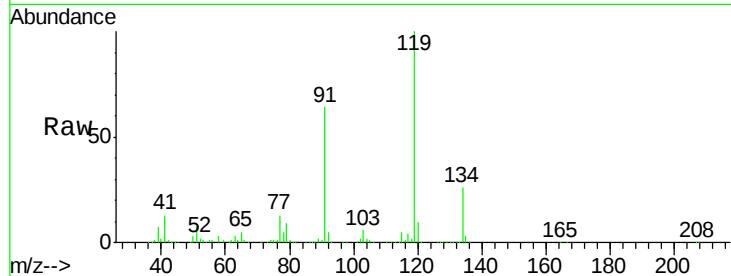
#83
tert-Butylbenzene
Concen: 50.202 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	699195		
91	62.0		31.6	95.0
134	27.8		14.2	42.8

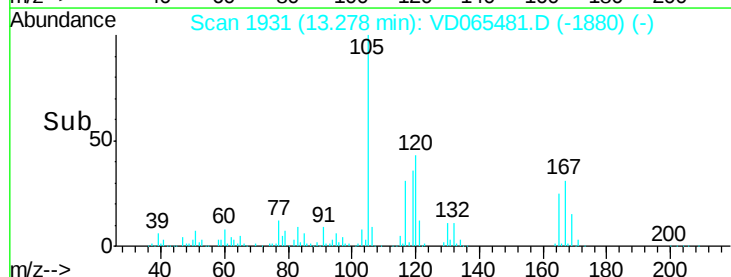
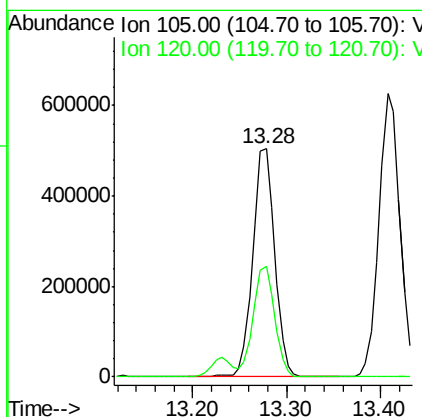
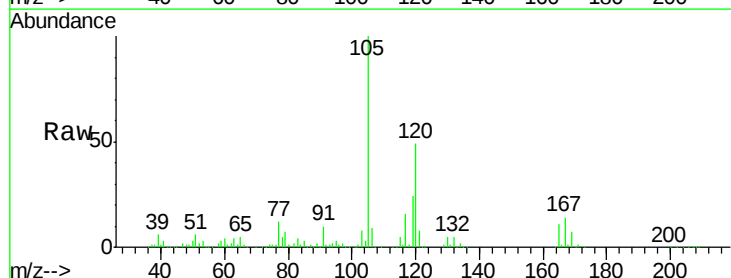
Manual Integrations
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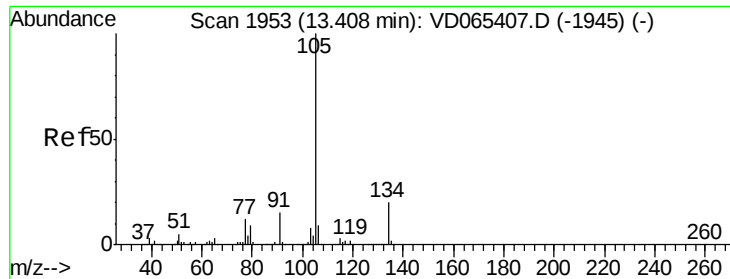
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.373 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	817444		
120	47.5		23.4	70.3





#85

sec-Butylbenzene

Concen: 48.822 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 970612

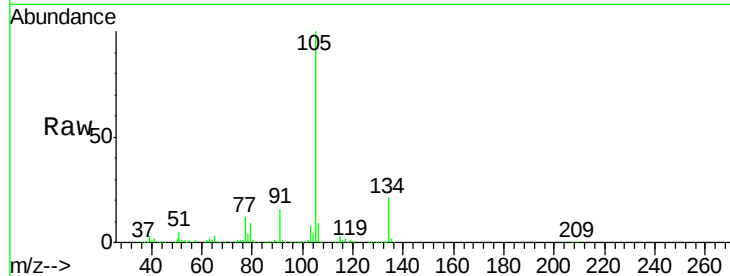
Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.9

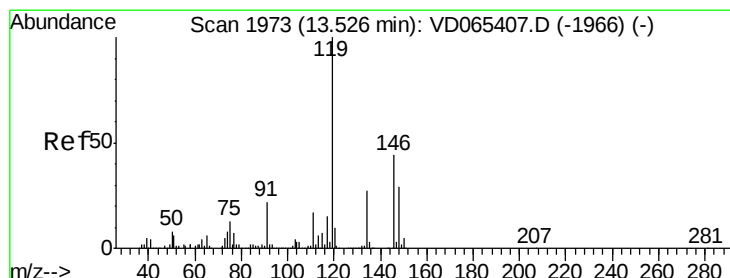
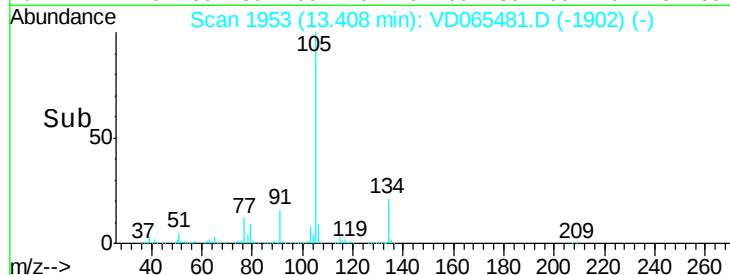
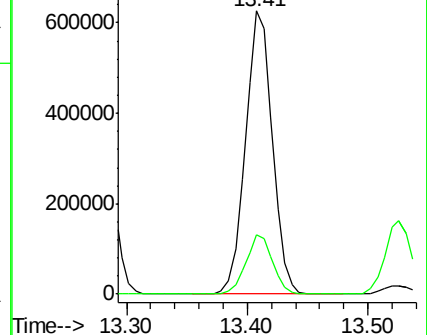
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.594 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

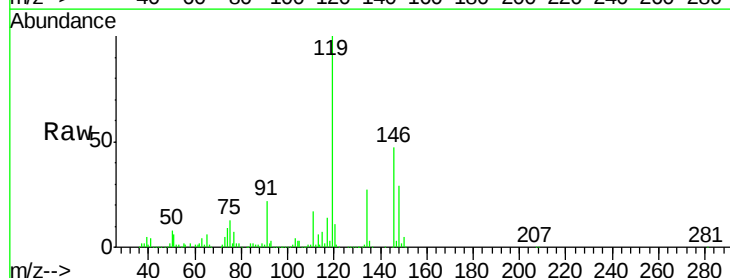
Tgt Ion:119 Resp: 899690

Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.9

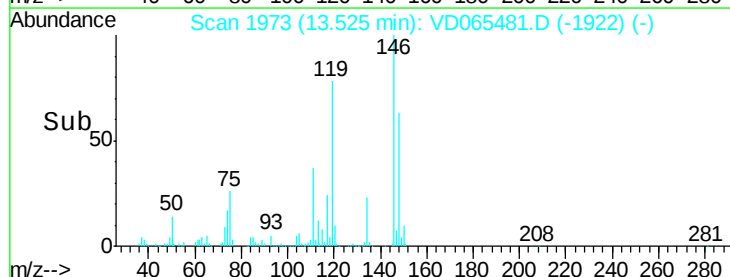
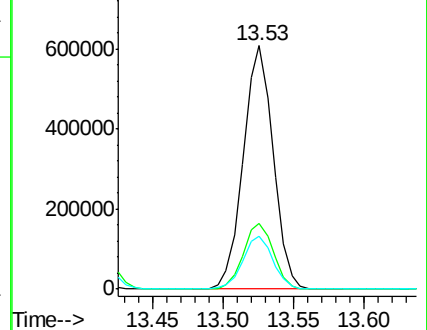
91 21.8 10.9 32.6

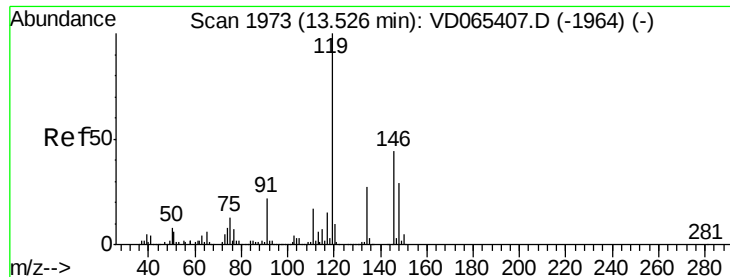


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.418 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Instrument :

MSVOA_D

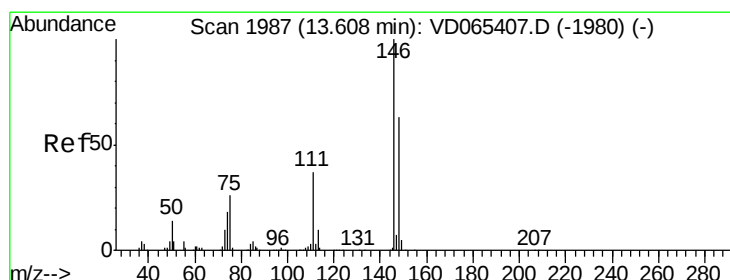
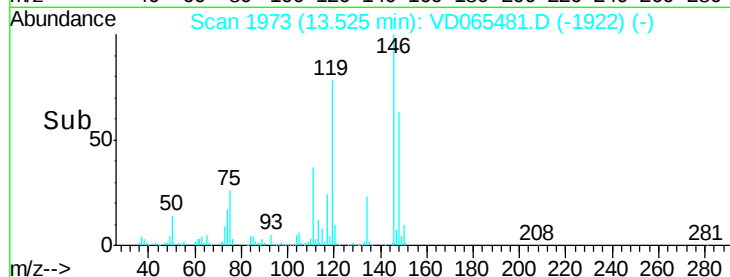
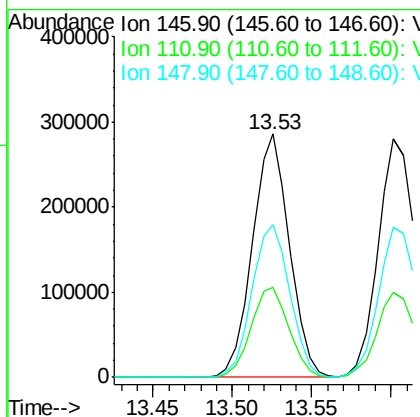
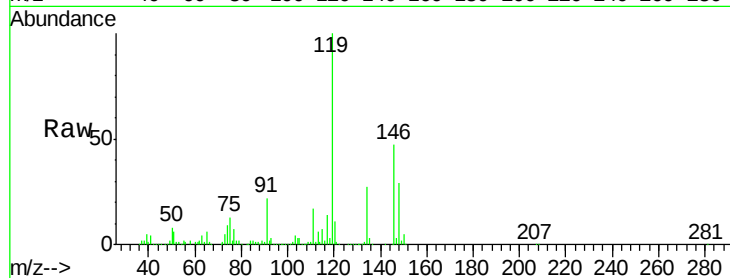
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	463130
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.1	57.1
148	64.6	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.784 ug/l

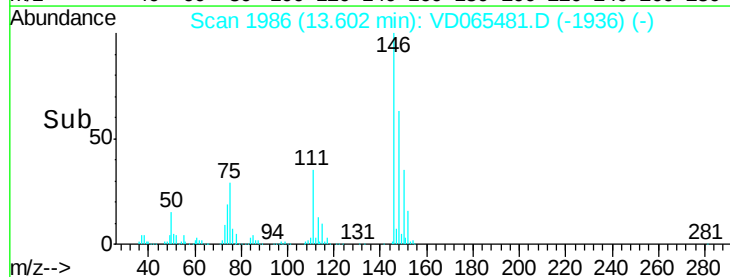
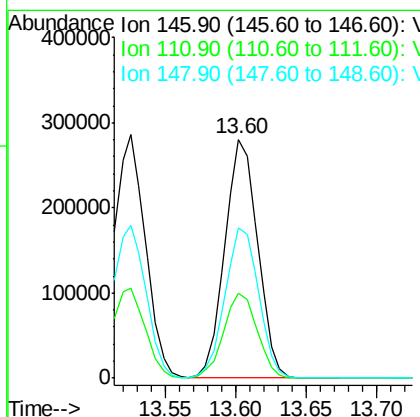
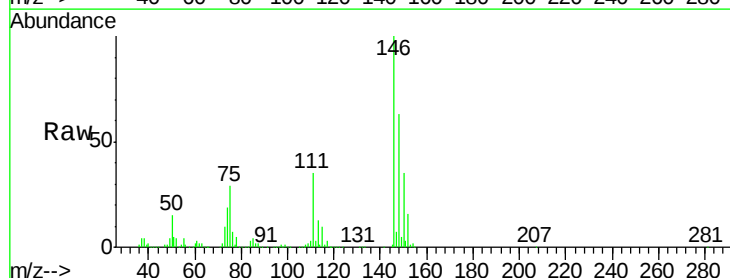
RT: 13.60 min Scan# 1986

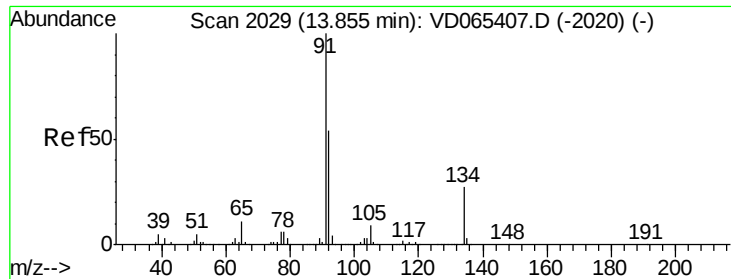
Delta R.T. -0.01 min

Lab File: VD065481.D

Acq: 11 Mar 2020 16:49

Tgt Ion:	146	Resp:	454663
Ion Ratio	Lower	Upper	
146	100		
111	36.5	18.5	55.5
148	64.4	32.0	96.0





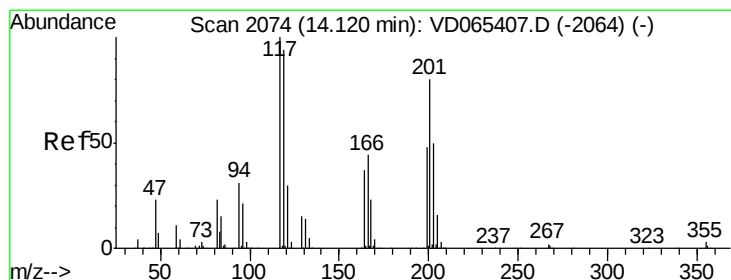
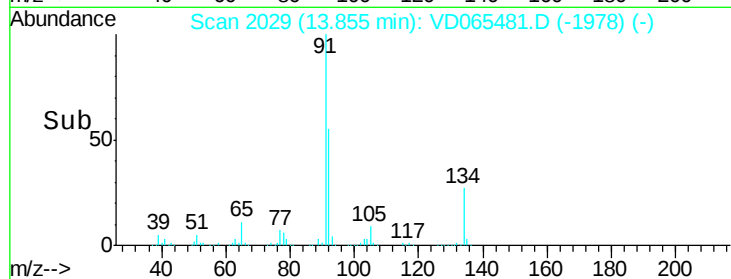
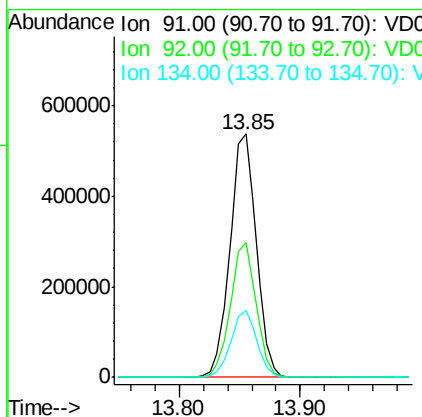
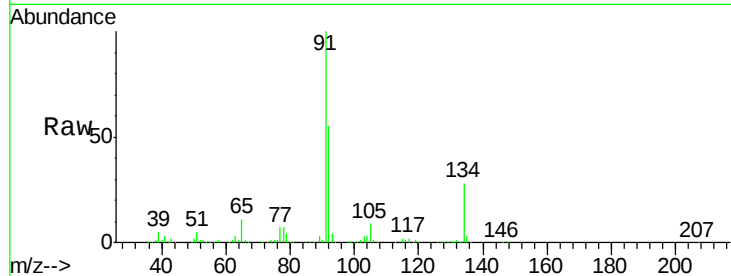
#89
n-Butylbenzene
Concen: 48.552 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

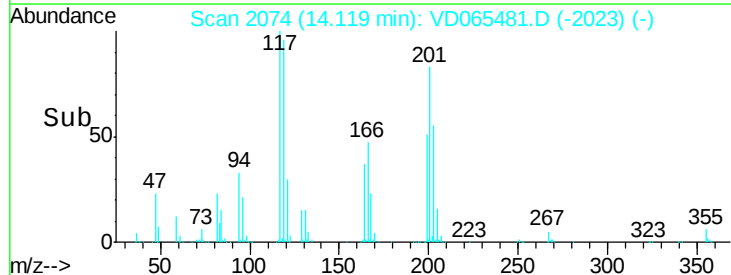
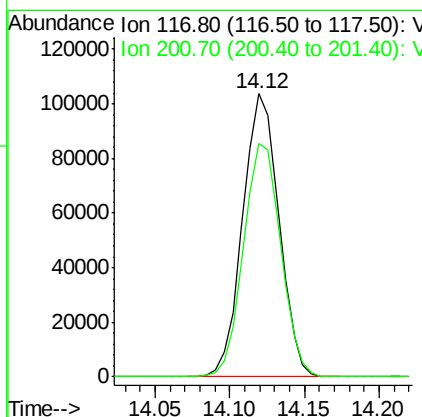
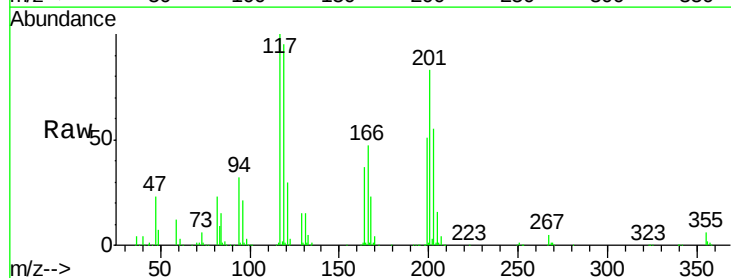
Manual Integrations
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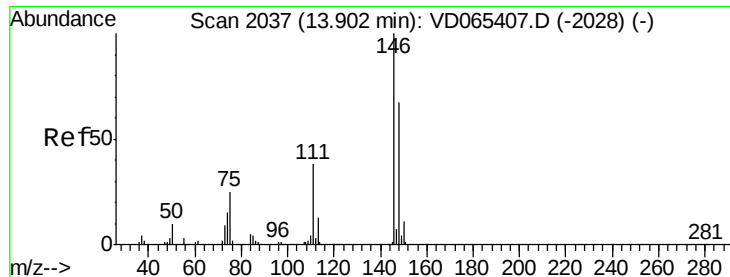
MMDadoda
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#90
Hexachloroethane
Concen: 46.699 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	41.9	125.6





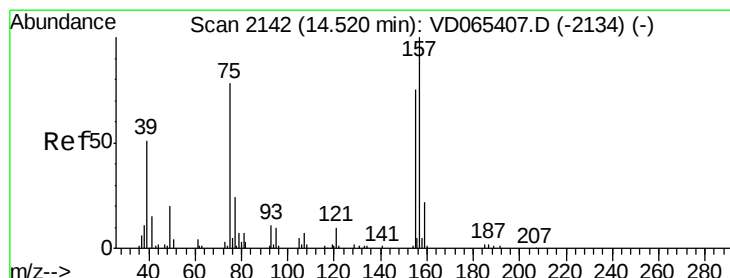
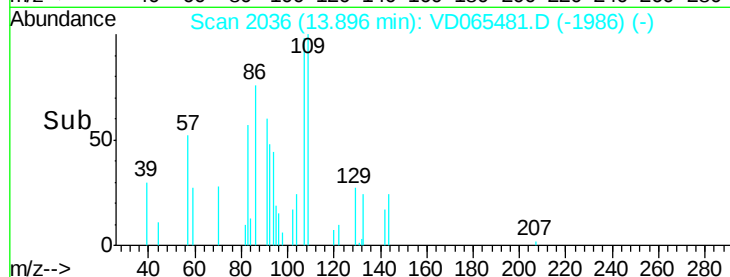
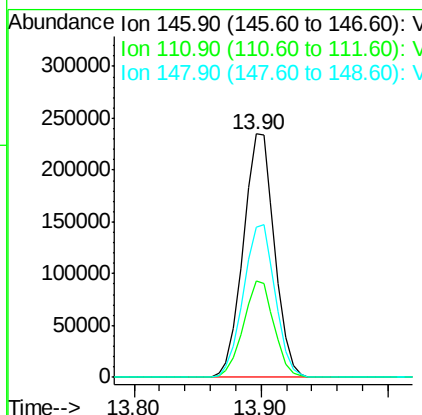
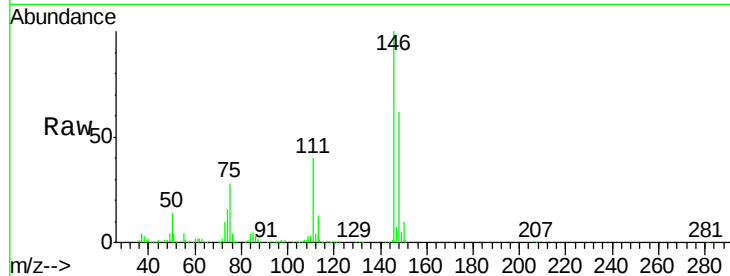
#91
 1,2-Dichlorobenzene
 Concen: 49.312 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.8	59.3
148	63.7	32.6	97.8

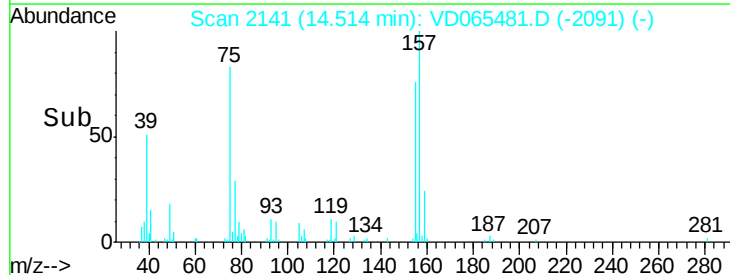
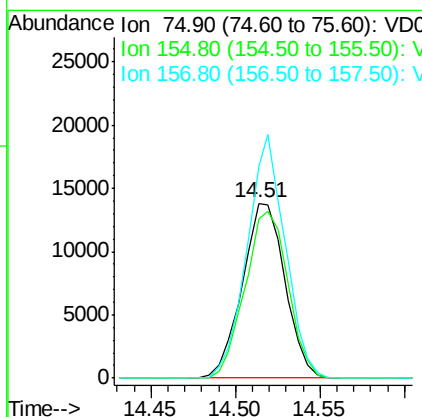
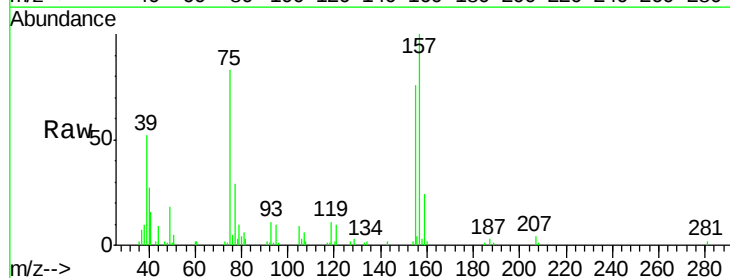
Manual Integrations
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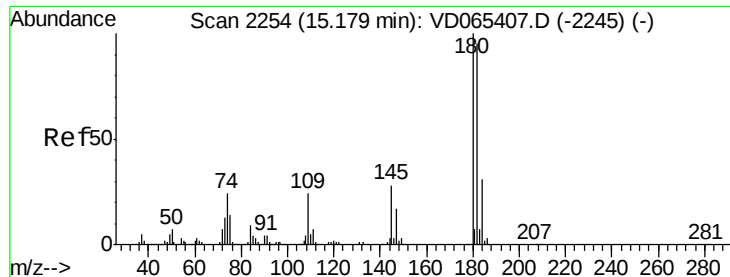
MMDadoda
 3/13/2020 9:49:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.413 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	46.4	139.1
157	123.7	60.2	180.4





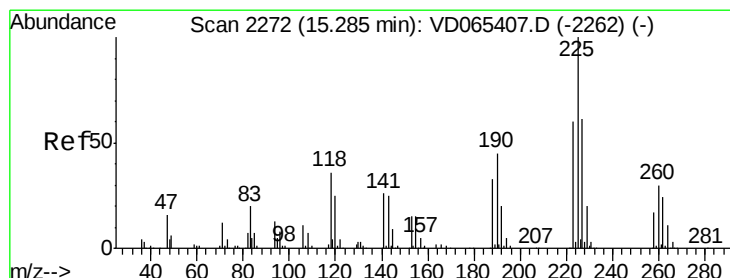
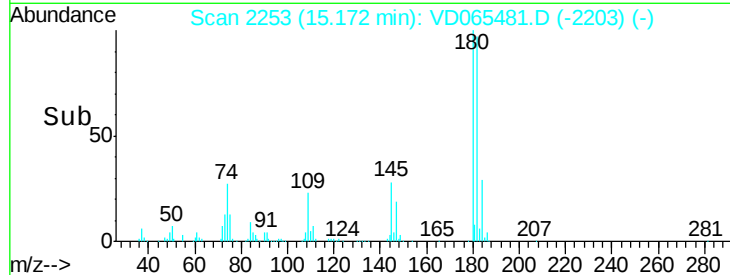
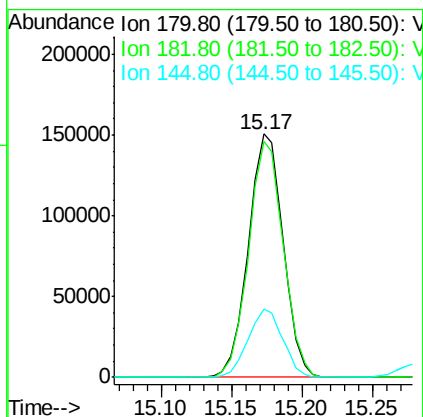
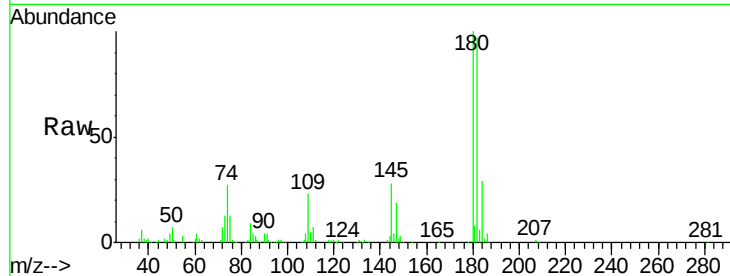
#93
 1,2,4-Trichlorobenzene
 Concen: 47.413 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	261579		
182	96.7	48.3	144.9	
145	28.0	14.4	43.4	

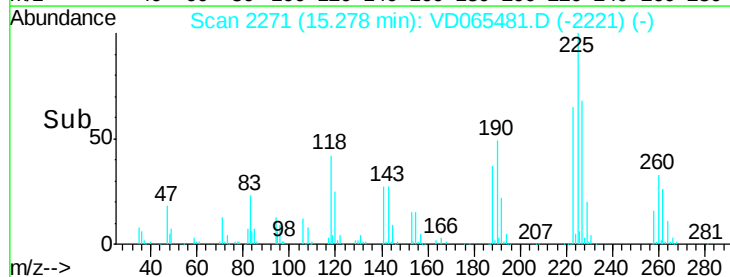
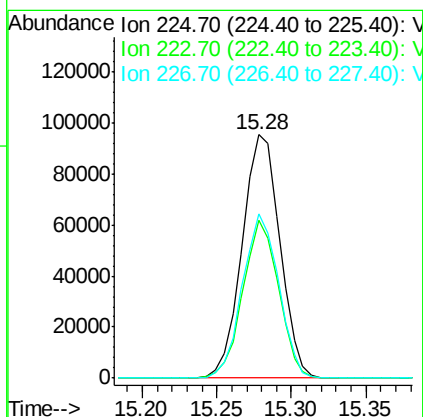
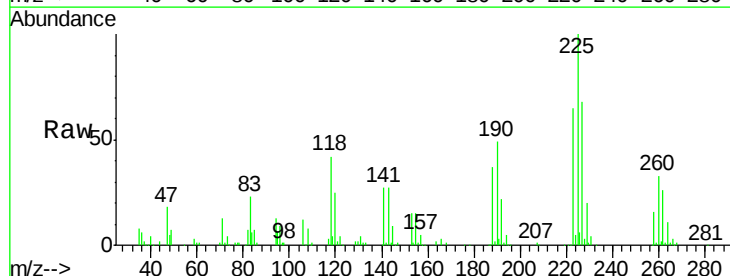
Manual Integrations
 APPROVED

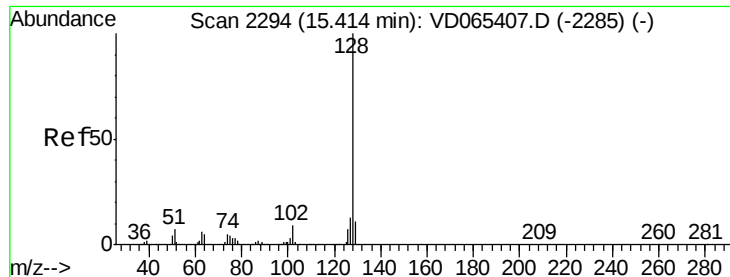
MMDadoda
 3/13/2020 9:49:39 AM



#94
 Hexachlorobutadiene
 Concen: 46.099 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065481.D
 Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	167112		
223	61.2	30.9	92.5	
227	64.7	31.6	94.7	





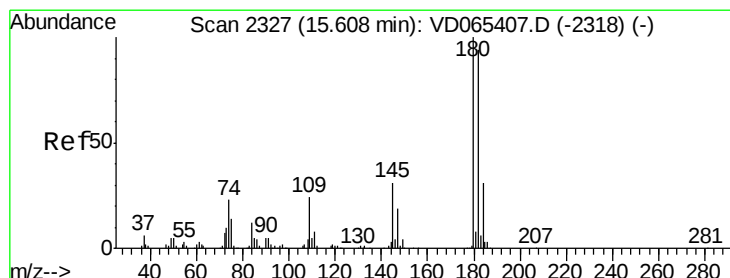
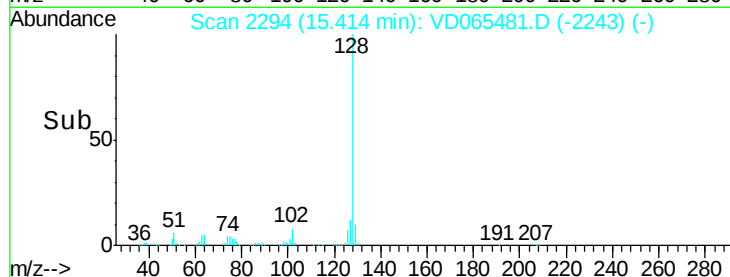
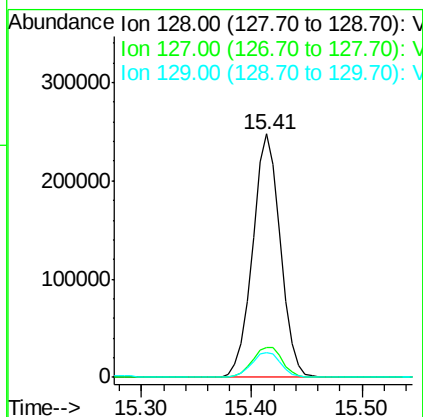
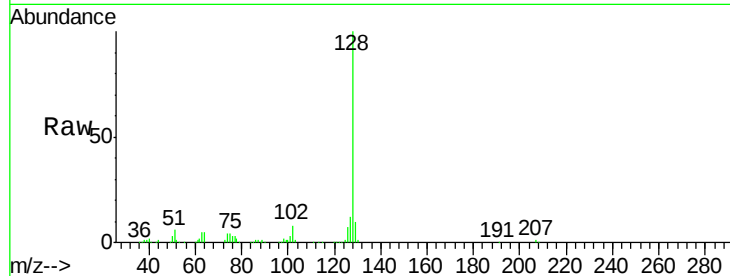
#95
Naphthalene
Concen: 44.824 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/13/2020 9:49:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.610 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065481.D
Acq: 11 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.9	140.6
145	30.1	15.0	45.1

