

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062920\
 Data File : VD065888.D
 Acq On : 29 Jun 2020 16:02
 Operator : VA/SY
 Sample : L3129-09
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11982

Quant Time: Jun 30 04:11:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	38162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	86961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	57176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	16900	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	47055	118.69	ug/l	0.00
Spiked Amount						
				Recovery	=	237.38%
35) Dibromofluoromethane	7.92	113	36549	68.00	ug/l	0.00
Spiked Amount						
				Recovery	=	136.00%
50) Toluene-d8	10.34	98	75129	37.16	ug/l	0.00
Spiked Amount						
				Recovery	=	74.32%
62) 4-Bromofluorobenzene	12.64	95	20389	30.78	ug/l	0.00
Spiked Amount						
				Recovery	=	61.56%

Target Compounds

						Qvalue
10) Methyl Iodide	4.30	142	149	2.178	ug/l #	37
11) Tert butyl alcohol	5.21	59	66726	3509.585	ug/l	96
13) Acrolein	3.93	56	609	21.136	ug/l	95
14) Allyl chloride	4.66	41	1868	3.179	ug/l #	25
15) Acrylonitrile	5.41	53	210	2.650	ug/l #	46
16) Acetone	4.16	43	1111241	14305.719	ug/l	92
18) Methyl Acetate	4.71	43	3812	22.132	ug/l #	54
20) Methylene Chloride	4.96	84	7920	15.843	ug/l	97
25) 2-Butanone	7.21	43	306678	2958.429	ug/l	97
29) Tetrahydrofuran	7.48	42	86112	1307.732	ug/l #	33
31) Cyclohexane	7.98	56	1067	1.502	ug/l #	52
36) 1,1-Dichloropropene	7.97	75	3787	4.466	ug/l #	45
37) Ethyl Acetate	7.21	43	306678	945.833	ug/l #	72
38) Carbon Tetrachloride	7.98	117	4228	4.617	ug/l #	11
41) Methacrylonitrile	7.48	41	358099	2013.052	ug/l #	42
43) Isopropyl Acetate	8.58	43	14111	22.460	ug/l #	50
47) Bromodichloromethane	9.68	83	926	1.116	ug/l #	1
48) Methyl methacrylate	9.43	41	25777	83.700	ug/l #	41
49) 1,4-Dioxane	9.30	88	217	67.907	ug/l #	1
51) 4-Methyl-2-Pentanone	10.23	43	60055	185.436	ug/l	99
52) Toluene	10.41	92	16250	10.624	ug/l	96
55) 1,1,2-Trichloroethane	10.83	97	1235	2.983	ug/l #	60
56) Ethyl methacrylate	10.61	69	25071	48.772	ug/l #	72
59) 2-Hexanone	10.98	43	58712	258.633	ug/l	97
67) Ethyl Benzene	11.75	91	4086	1.940	ug/l	98
68) m/p-Xylenes	11.85	106	5890	7.344	ug/l	83
69) o-Xylene	12.19	106	2917	4.048	ug/l	92
73) Isopropylbenzene	12.48	105	2736	2.260	ug/l	93
74) N-amyl acetate	12.25	43	17135	64.073	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.71	83	787	3.950	ug/l #	74
76) 1,2,3-Trichloropropane	12.64	75	11192	75.684	ug/l #	1
78) n-propylbenzene	12.83	91	4002	2.744	ug/l	97
79) 2-Chlorotoluene	12.89	91	1956	2.435	ug/l #	57
80) 1,3,5-Trimethylbenzene	12.97	105	10584	10.460	ug/l	98

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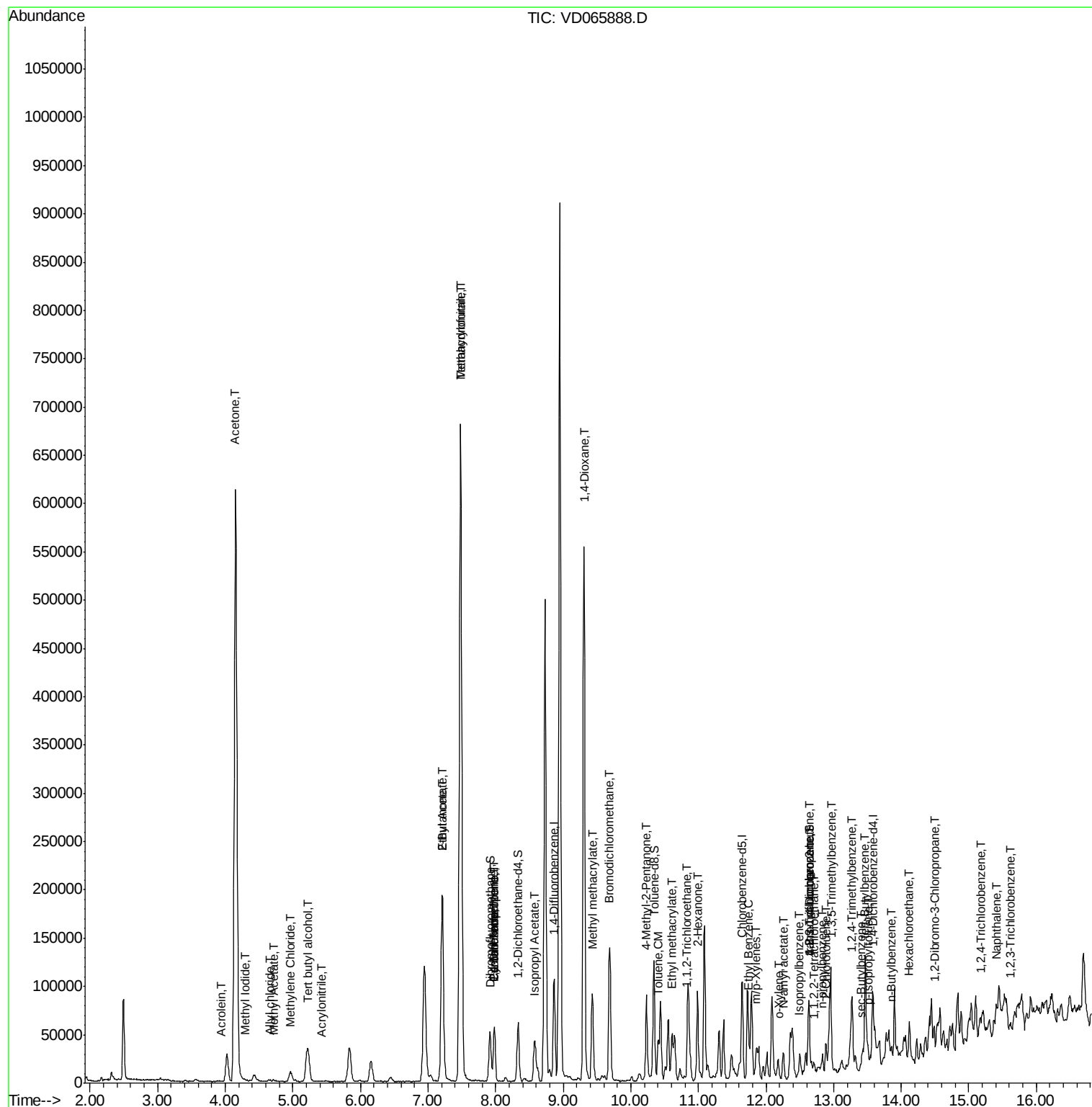
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.64	75	11192	162.595	ug/l #	9
83) tert-Butylbenzene	13.46	119	1844	2.165	ug/l	84
84) 1,2,4-Trimethylbenzene	13.28	105	42155	42.292	ug/l	97
85) sec-Butylbenzene	13.40	105	1612	1.328	ug/l	94
86) p-Isopropyltoluene	13.52	119	4789	4.345	ug/l	93
89) n-Butylbenzene	13.85	91	4185	3.894	ug/l #	80
90) Hexachloroethane	14.12	117	2131	9.474	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.49	75	69	2.236	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.17	180	449	1.529	ug/l #	1
95) Naphthalene	15.41	128	25041	47.496	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.61	180	610	2.489	ug/l #	1

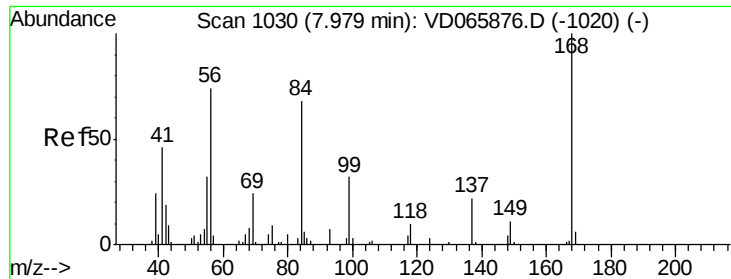
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062920\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

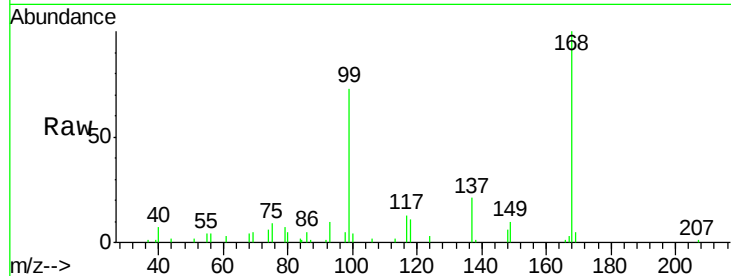
72-11982

Tot Ion:168 Resp: 38162

Ion Ratio Lower Upper

168 100

99 72.7 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

15000

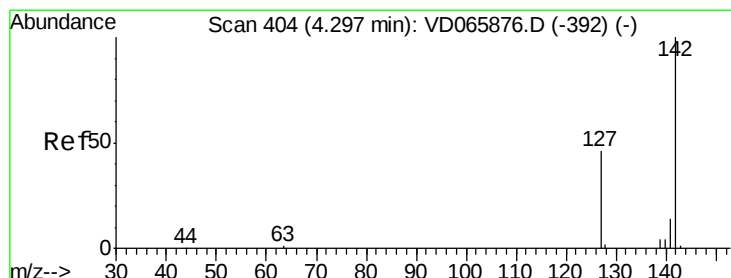
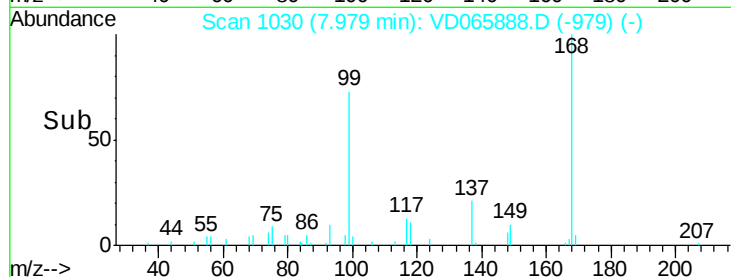
10000

5000

0

7.90 7.95 8.00 8.05

Time-->



#10

Methyl Iodide

Concen: 2.178 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

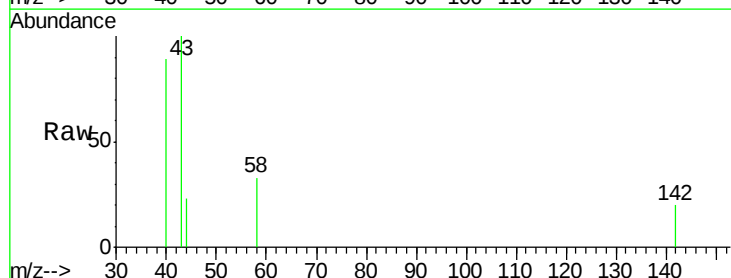
Tgt Ion:142 Resp: 149

Ion Ratio Lower Upper

142 100

127 0.0 39.0 58.6#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.30

300

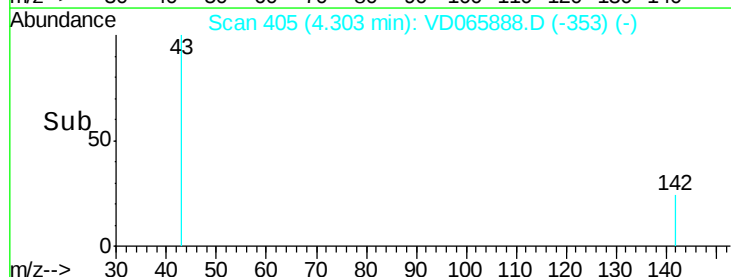
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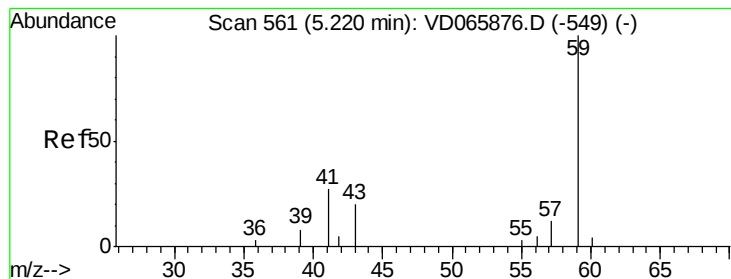
100

0

4.28 4.30 4.32

Time-->



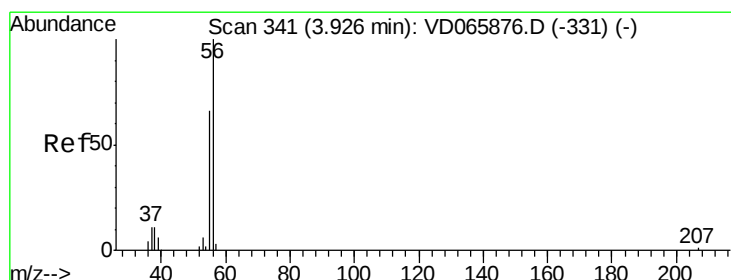
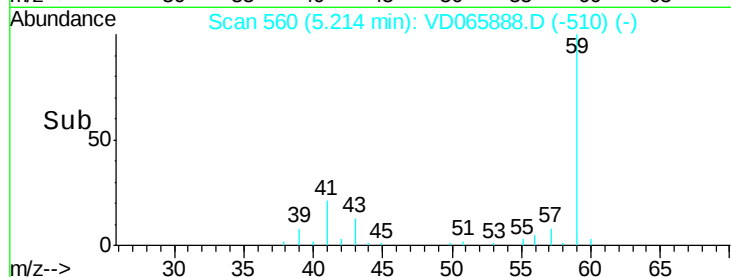
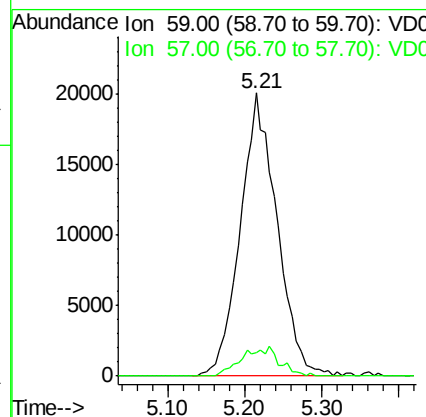
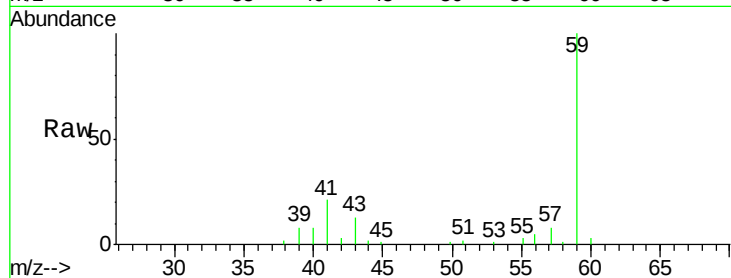


#11

Tert butyl alcohol
 Concen: 3509.585 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11982

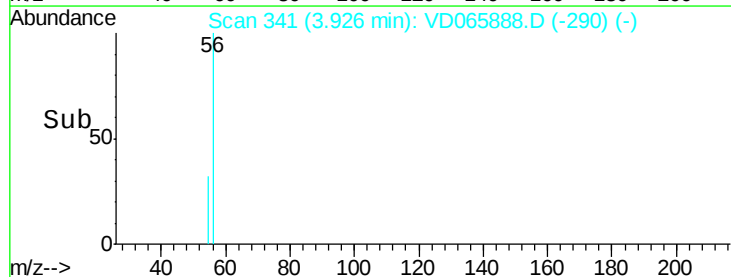
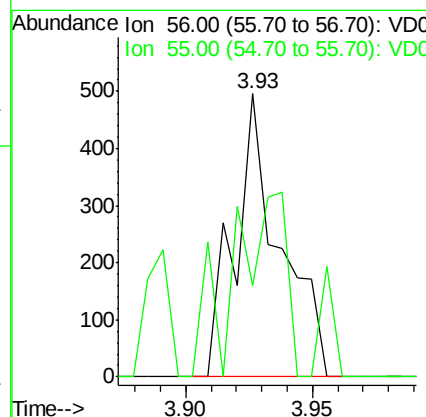
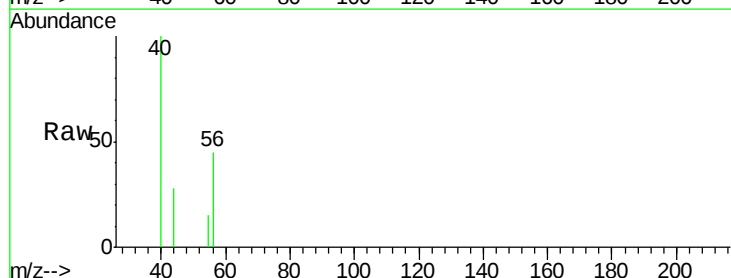
Tot Ion: 59 Resp: 66726
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.7 14.5

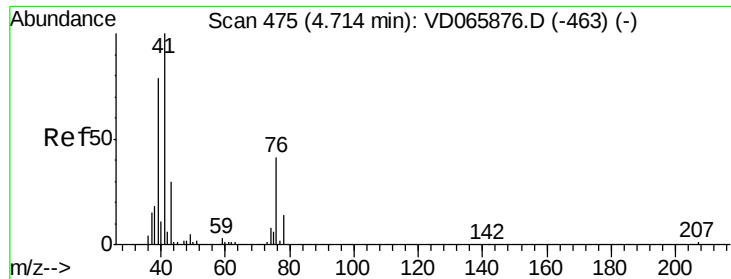


#13

Acrolein
 Concen: 21.136 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

Tgt Ion: 56 Resp: 609
 Ion Ratio Lower Upper
 56 100
 55 77.2 58.1 87.1

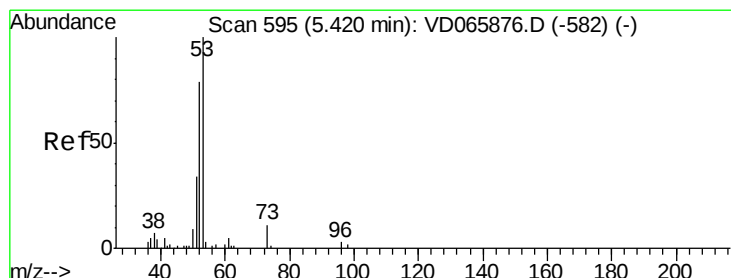
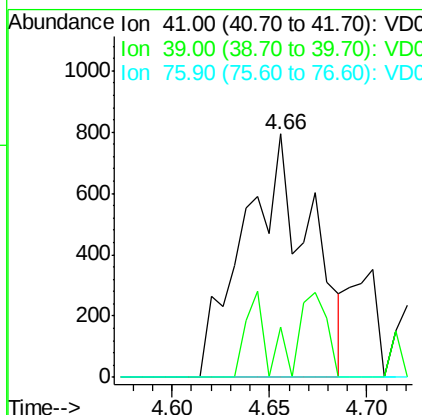
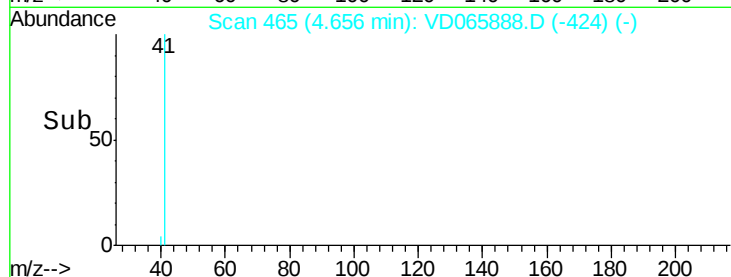
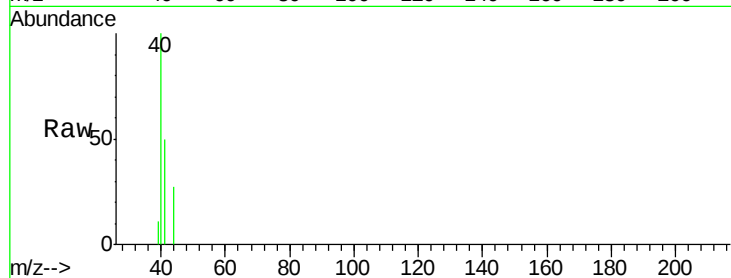




#14
Allvl chloride
Concen: 3.179 ug/l
RT: 4.66 min Scan# 465
Delta R.T. -0.06 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

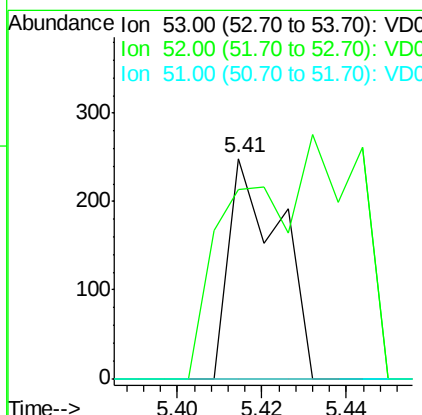
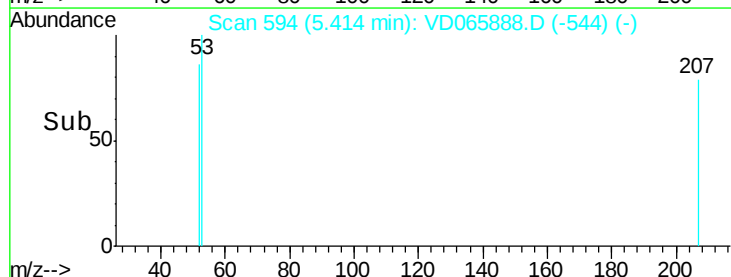
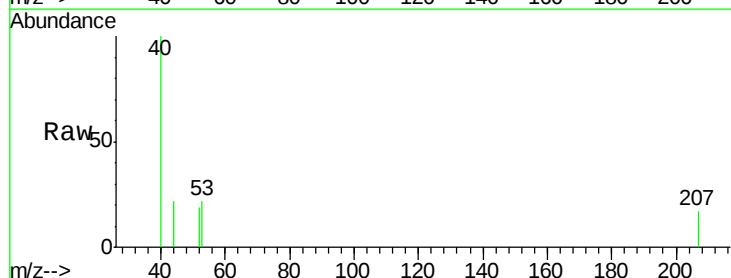
Instrument :
MSVOA_D
ClientSampleId :
72-11982

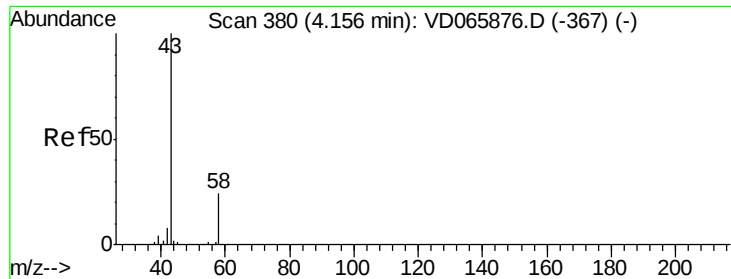
Tot Ion: 41 Resp: 1868
Ion Ratio Lower Upper
41 100
39 8.8 63.8 95.8#
76 0.0 32.2 48.4#



#15
Acrylonitrile
Concen: 2.650 ug/l
RT: 5.41 min Scan# 594
Delta R.T. -0.01 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

Tgt Ion: 53 Resp: 210
Ion Ratio Lower Upper
53 100
52 128.1 66.3 99.5#
51 0.0 29.9 44.9#

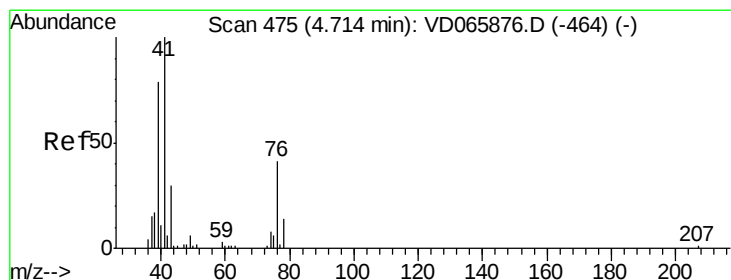
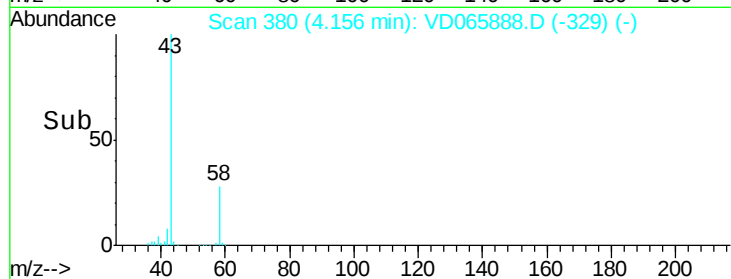
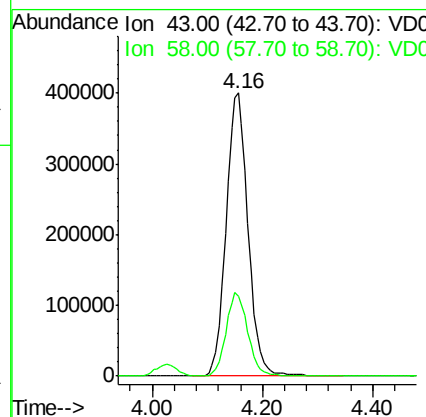
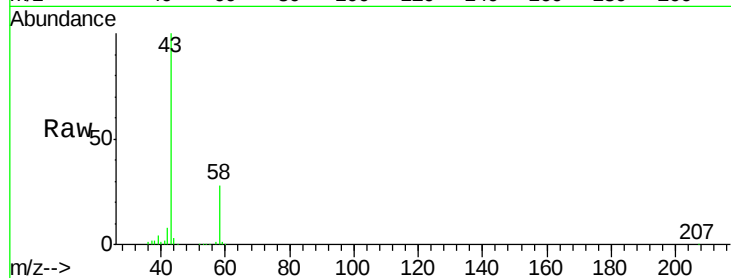




#16
Acetone
Concen: 14305.719 ug/l
RT: 4.16 min Scan# 380
Delta R.T. 0.00 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

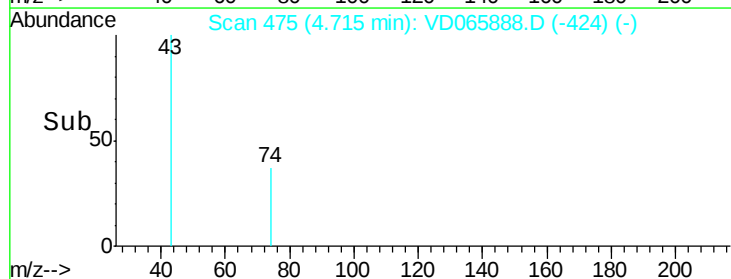
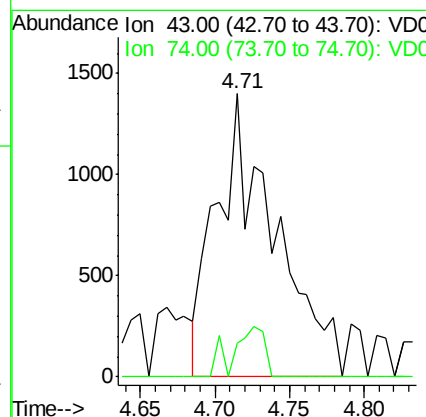
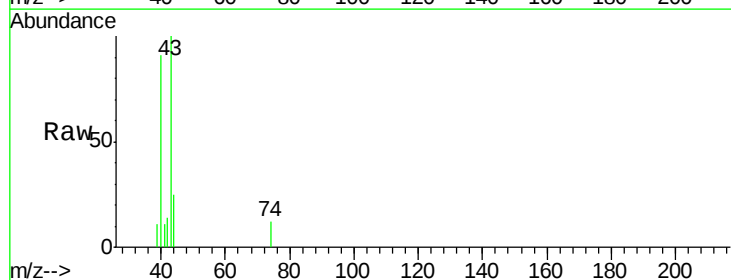
Instrument :
MSVOA_D
ClientSampleId :
72-11982

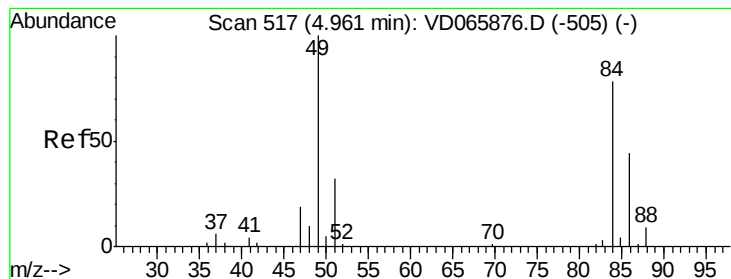
Tot Ion: 43 Resp: 1111241
Ion Ratio Lower Upper
43 100
58 28.1 19.5 29.3



#18
Methyl Acetate
Concen: 22.132 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

Tgt Ion: 43 Resp: 3812
Ion Ratio Lower Upper
43 100
74 1.9 20.2 30.2#





#20

Methylene Chloride

Concen: 15.843 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

72-11982

Tot Ion: 84 Resp: 7920

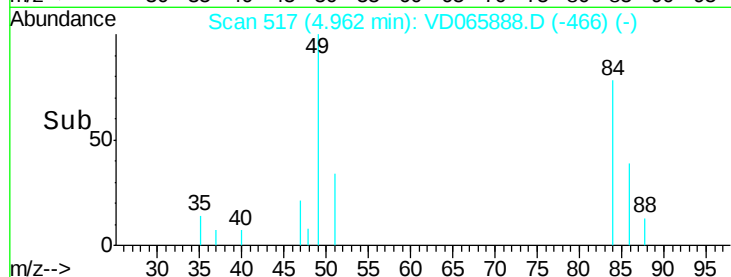
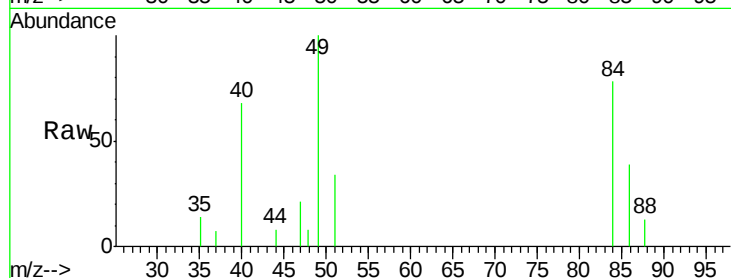
Ion Ratio Lower Upper

84 100

49 128.2 103.0 154.6

51 44.0 32.7 49.1

86 50.2 44.9 67.3

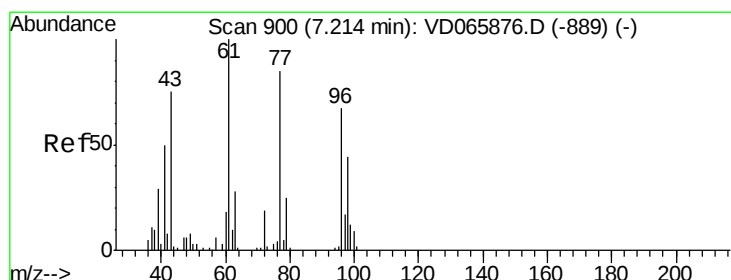
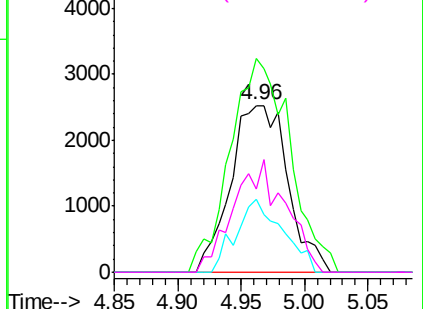


Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#25

2-Butanone

Concen: 2958.429 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065888.D

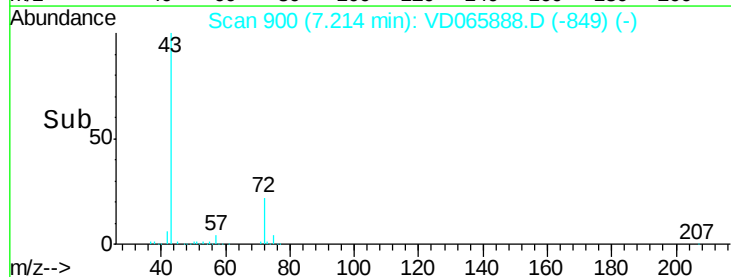
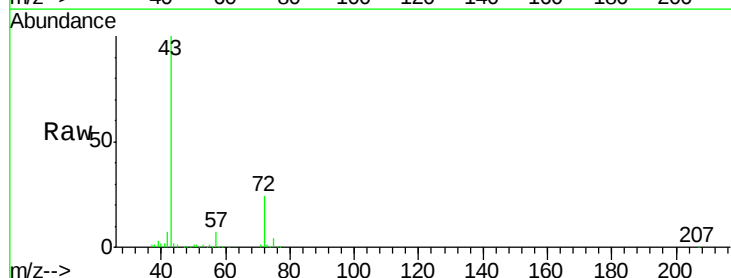
Acq: 29 Jun 2020 16:02

Tgt Ion: 43 Resp: 306678

Ion Ratio Lower Upper

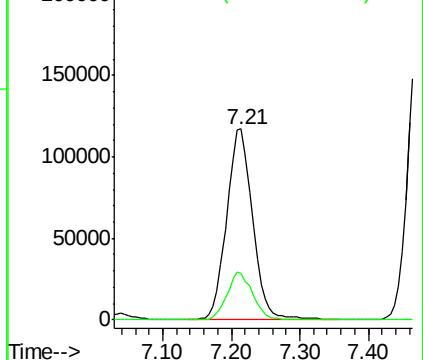
43 100

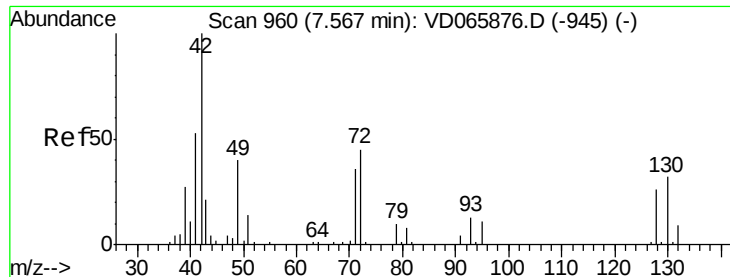
72 24.2 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1307.732 ug/l

RT: 7.48 min Scan# 946

Delta R.T. -0.08 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

72-11982

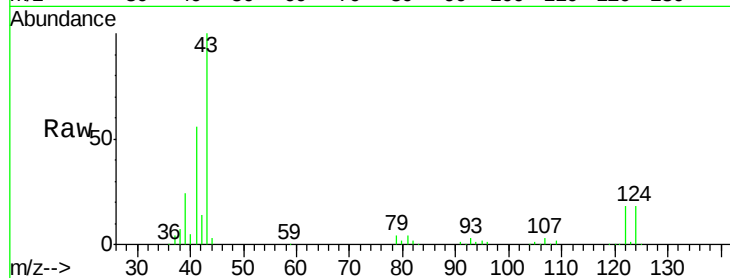
Tot Ion: 42 Resp: 86112

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

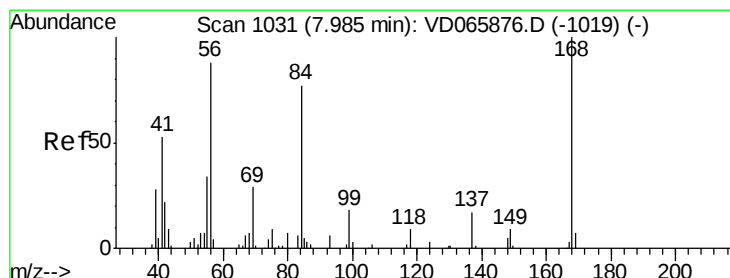
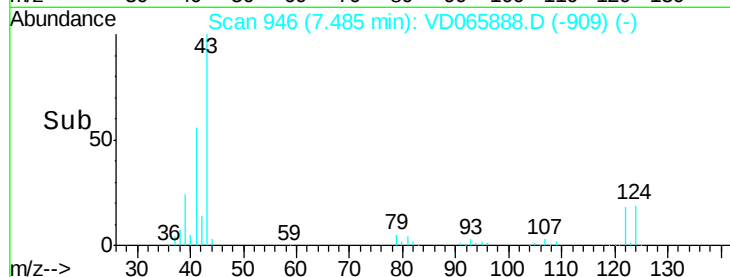
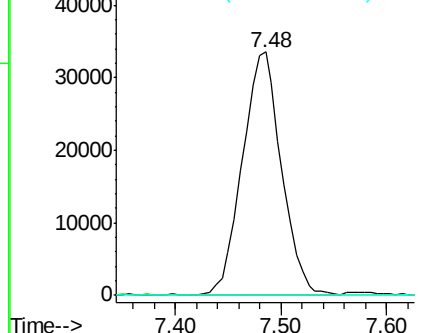
71 0.0 32.6 48.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.502 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

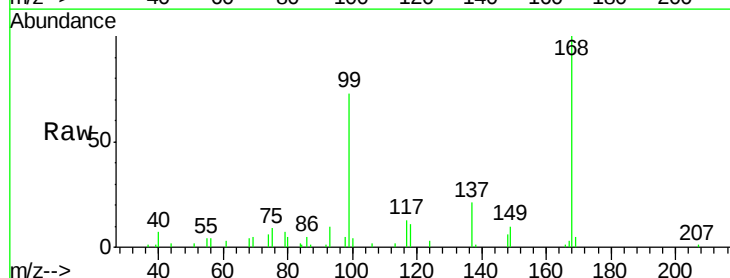
Tgt Ion: 56 Resp: 1067

Ion Ratio Lower Upper

56 100

69 126.2 26.2 39.4#

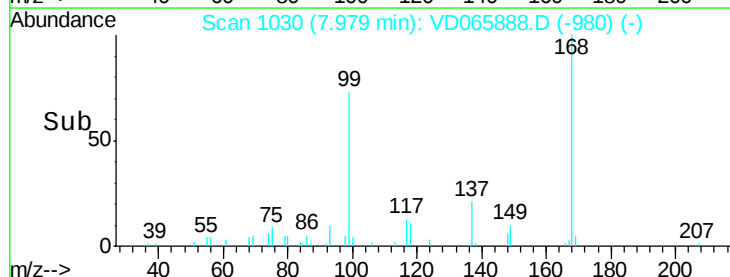
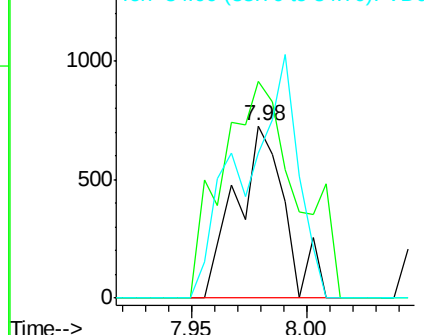
84 84.6 70.3 105.5

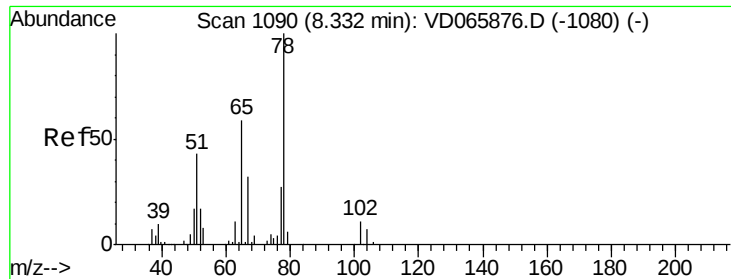


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

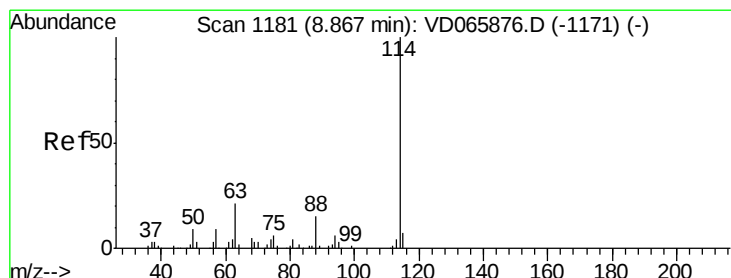
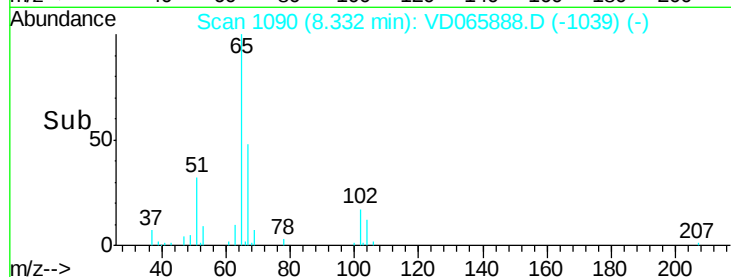
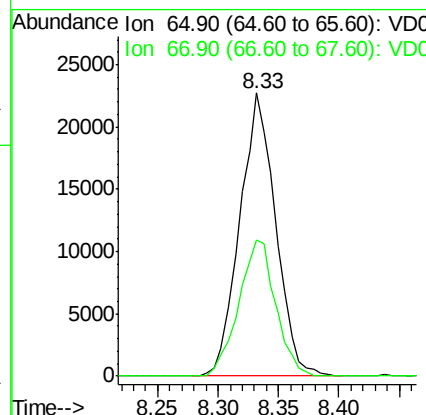
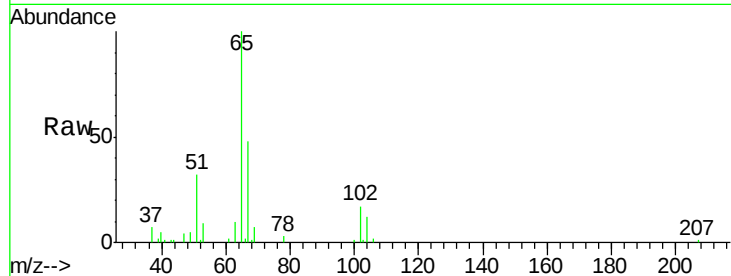




#33
 1,2-Dichloroethane-d4
 Concen: 118.686 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

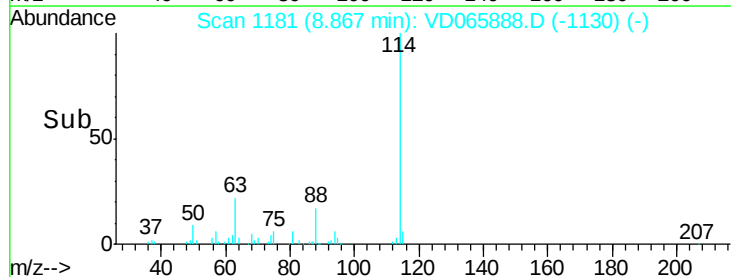
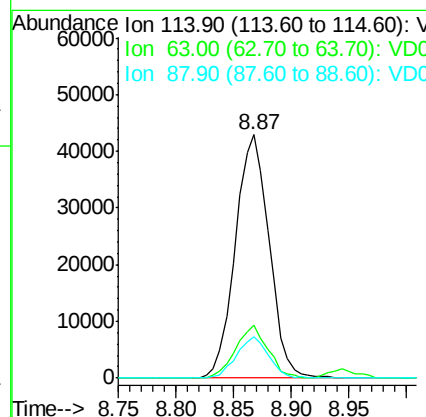
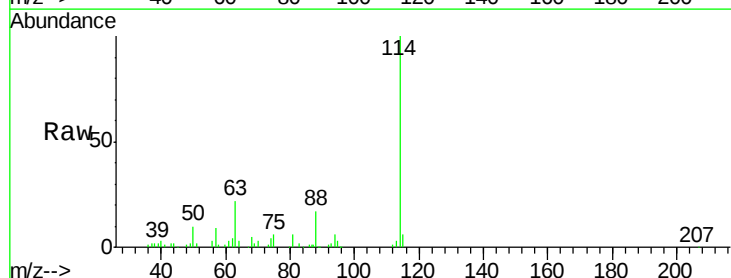
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11982

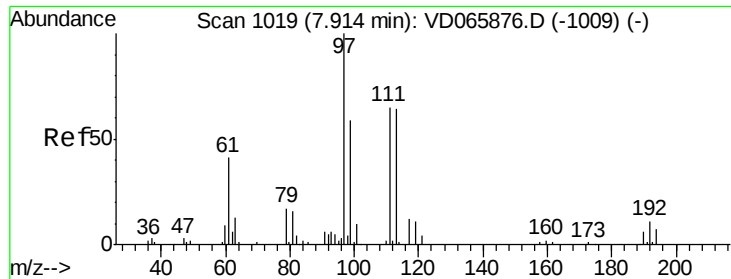
Tot Ion: 65 Resp: 47055
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

Tgt Ion: 114 Resp: 86961
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.6
 88 16.8 0.0 29.0

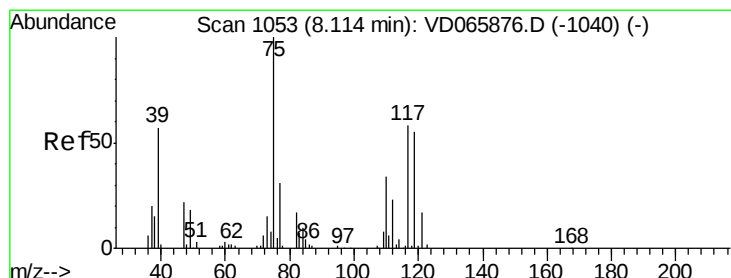
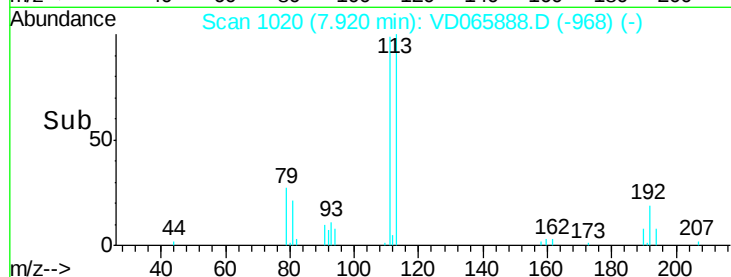
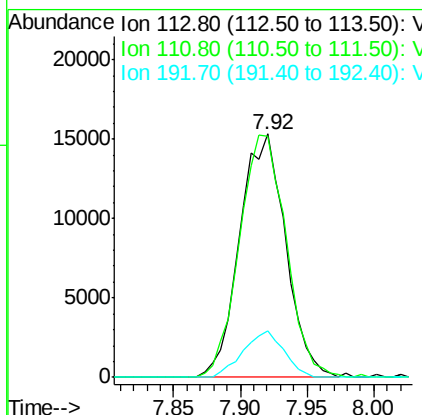
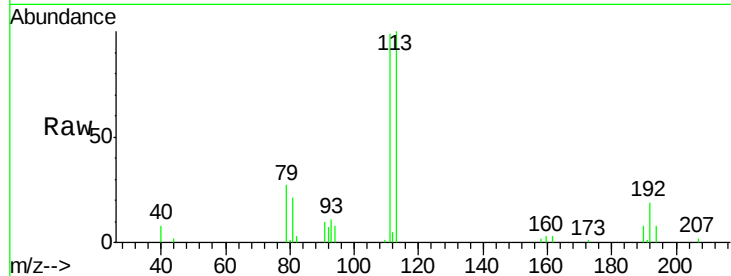




#35
Dibromofluoromethane
Concen: 67.997 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

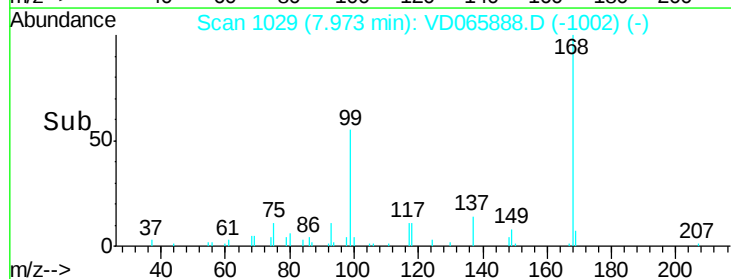
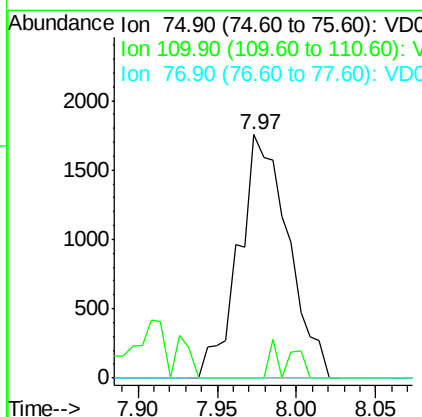
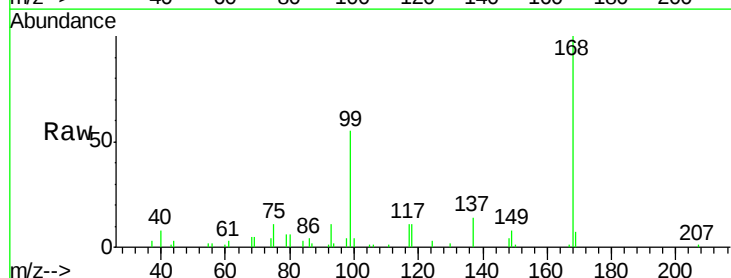
Instrument :
MSVOA_D
ClientSampleId :
72-11982

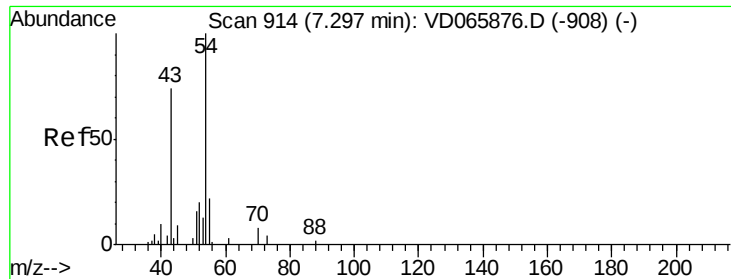
Tot Ion:113 Resp: 36549
Ion Ratio Lower Upper
113 100
111 101.3 81.0 121.6
192 17.0 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.466 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.14 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

Tgt Ion: 75 Resp: 3787
Ion Ratio Lower Upper
75 100
110 2.6 16.8 50.4#
77 0.0 24.0 36.0#

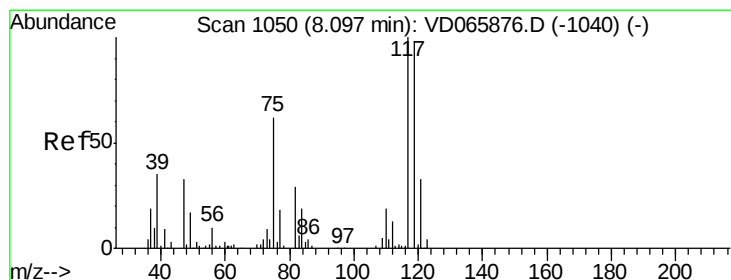
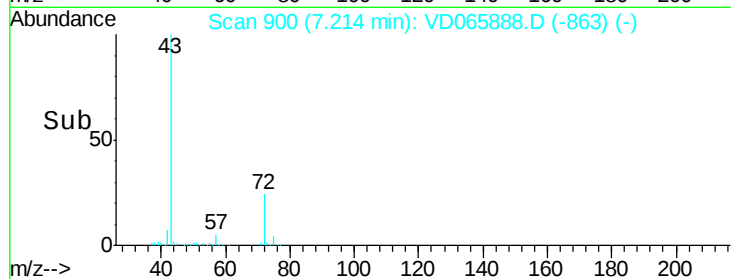
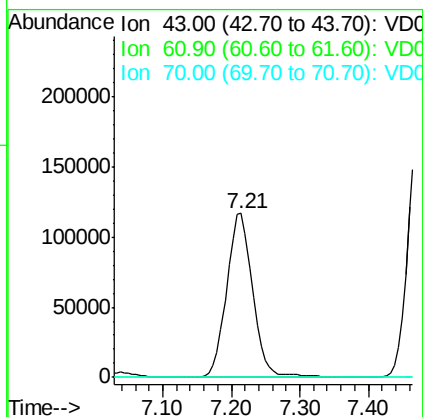
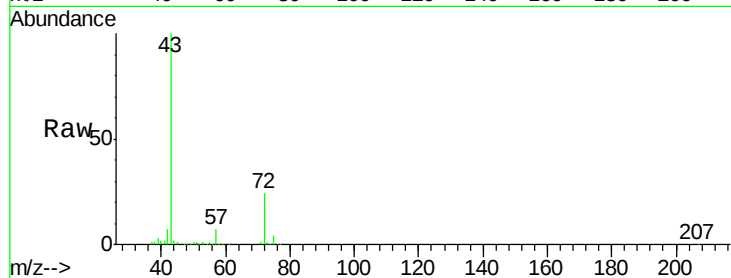




#37
Ethyl Acetate
Concen: 945.833 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.08 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

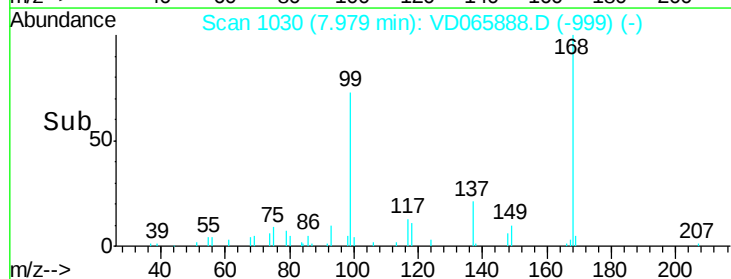
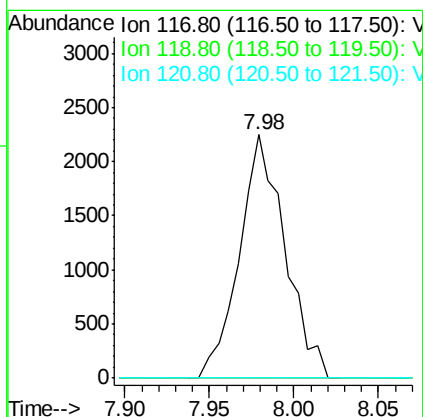
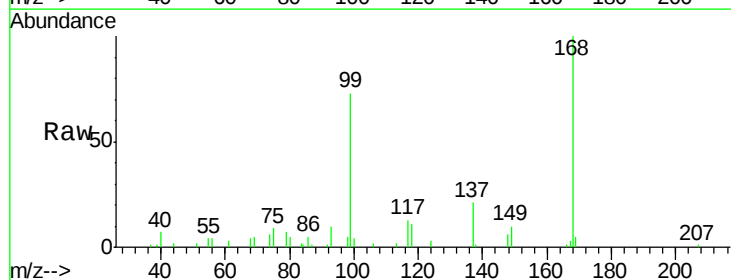
Instrument :
MSVOA_D
ClientSampleId :
72-11982

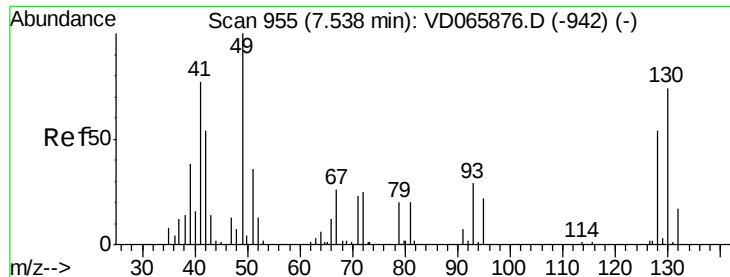
Tot Ion: 43 Resp: 306678
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 0.0 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 4.617 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

Tgt Ion: 117 Resp: 4228
Ion Ratio Lower Upper
117 100
119 0.0 78.6 117.8#
121 0.0 26.5 39.7#





#41

Methacrylonitrile

Concen: 2013.052 ug/l

RT: 7.48 min Scan# 945

Delta R.T. -0.06 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

72-11982

Tot Ion: 41 Resp: 358099

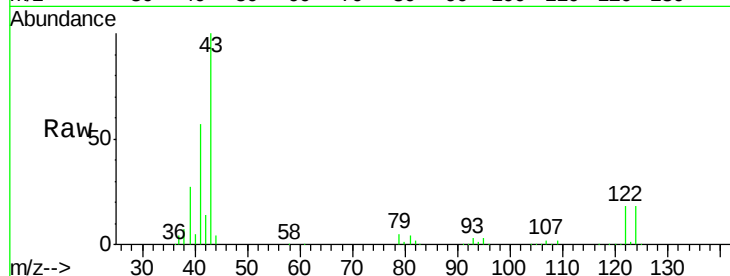
Ion Ratio Lower Upper

41 100

39 44.5 82.7 124.1#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

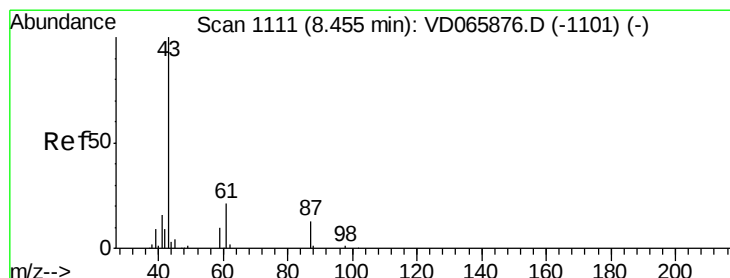
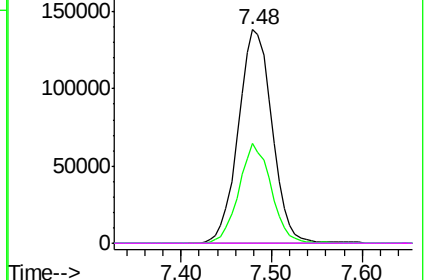
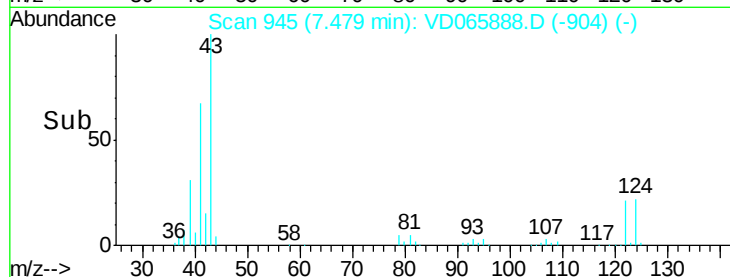


Abundance Ion 41.00 (40.70 to 41.70): VDC

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



#43

Isopropyl Acetate

Concen: 22.460 ug/l

RT: 8.58 min Scan# 1132

Delta R.T. 0.12 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

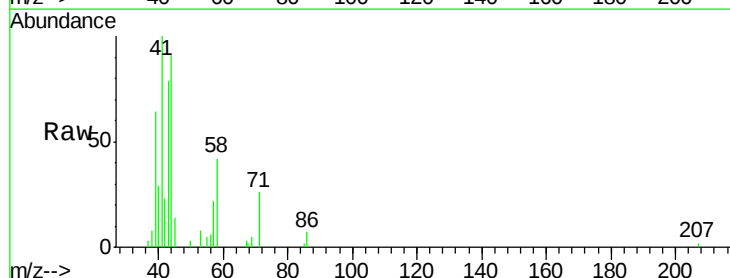
Tgt Ion: 43 Resp: 14111

Ion Ratio Lower Upper

43 100

61 0.0 25.2 37.8#

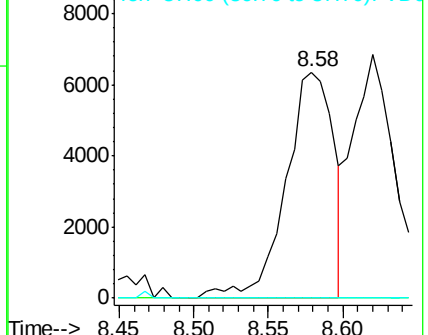
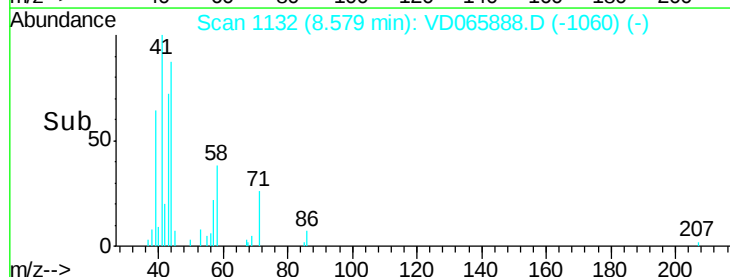
87 0.0 10.4 15.6#

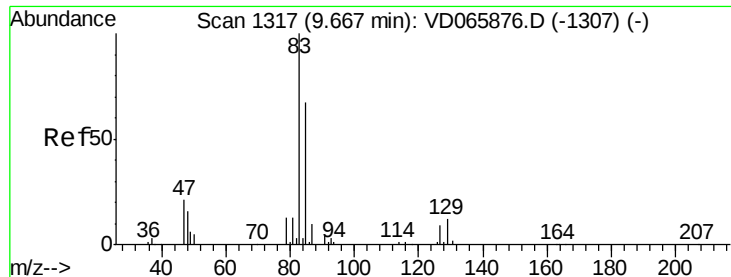


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC





#47

Bromodichloromethane

Concen: 1.116 ug/l

RT: 9.68 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

72-11982

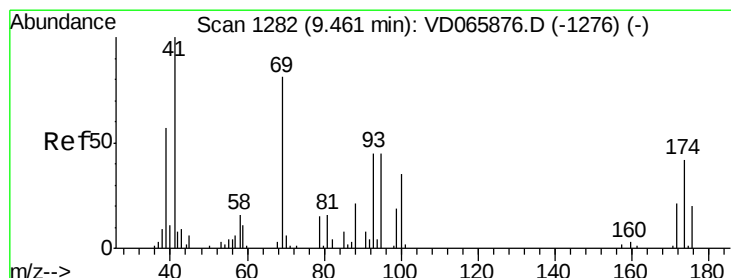
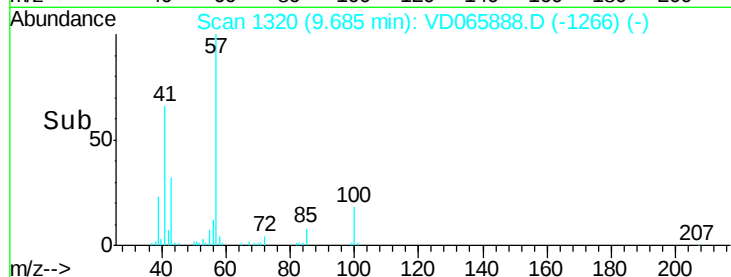
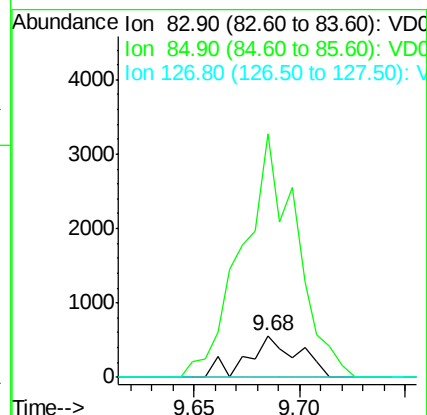
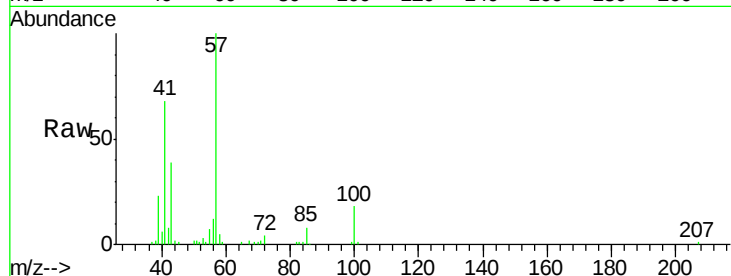
Tot Ion: 83 Resp: 926

Ion Ratio Lower Upper

83 100

85 555.5 53.9 80.9#

127 0.0 7.0 10.4#



#48

Methyl methacrylate

Concen: 83.700 ug/l

RT: 9.43 min Scan# 1277

Delta R.T. -0.03 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

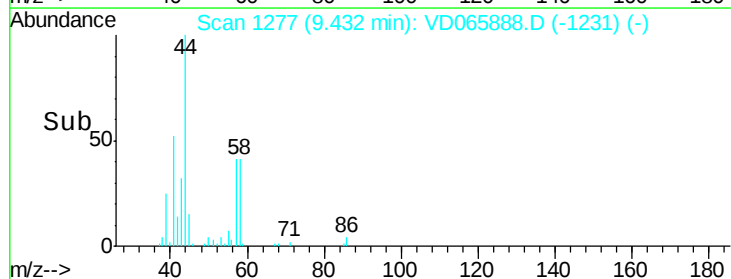
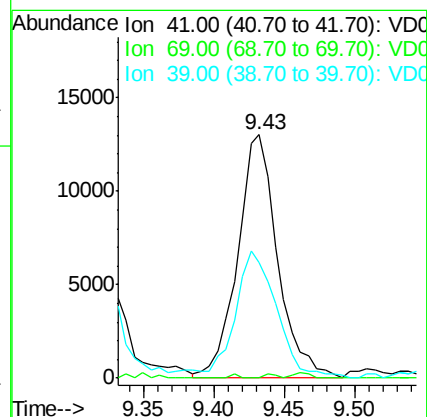
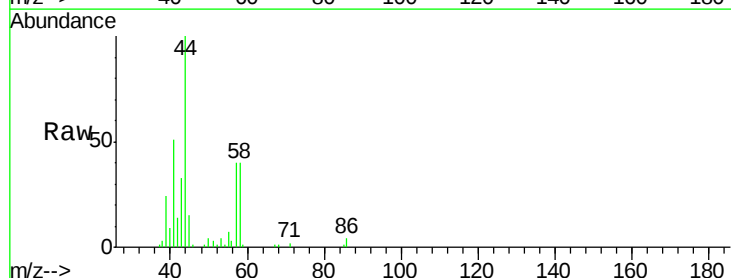
Tgt Ion: 41 Resp: 25777

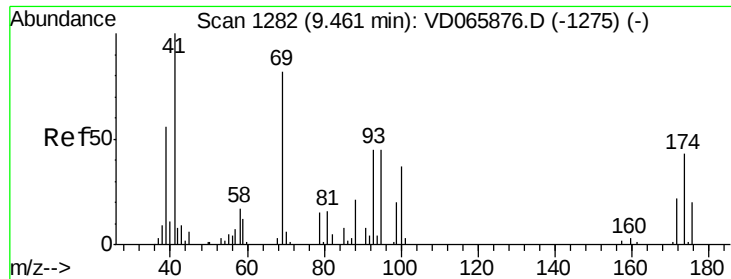
Ion Ratio Lower Upper

41 100

69 0.5 68.3 102.5#

39 54.1 54.1 81.1





#49

1,4-Dioxane

Concen: 67.907 ug/l

RT: 9.30 min Scan# 1255

Delta R.T. -0.16 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

72-11982

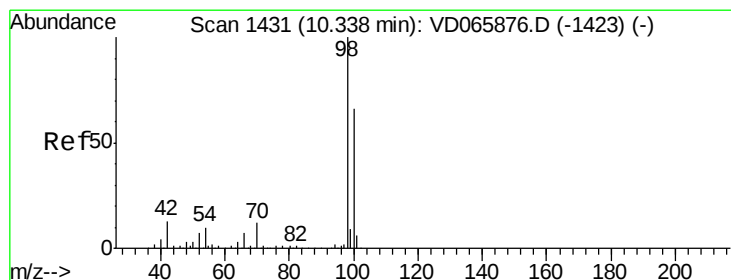
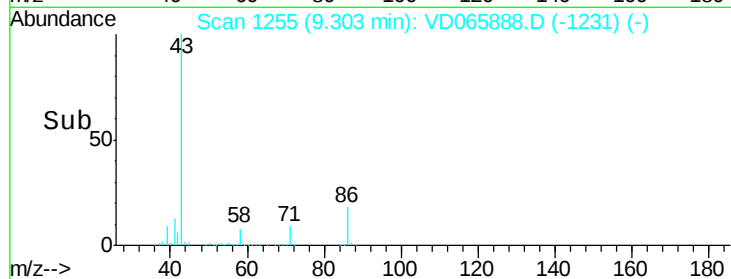
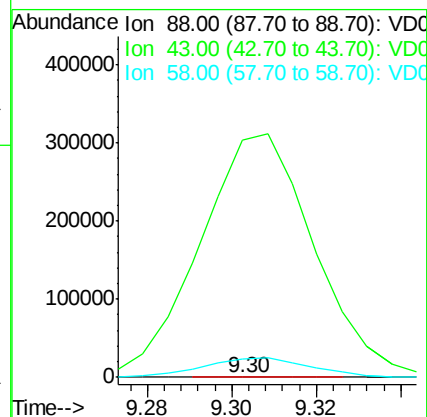
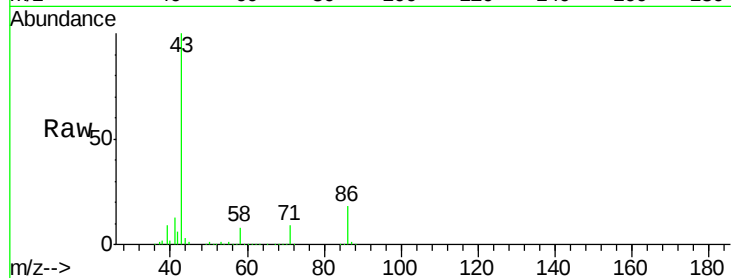
Tot Ion: 88 Resp: 217

Ion Ratio Lower Upper

88 100

43 274850.7 35.8 53.8#

58 20645.2 58.6 87.8#



#50

Toluene-d8

Concen: 37.157 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065888.D

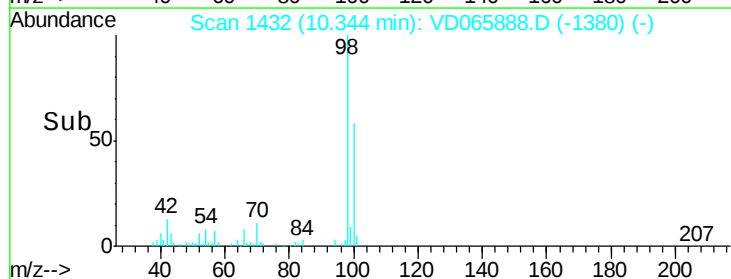
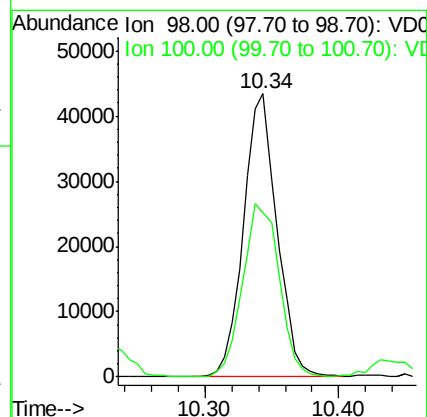
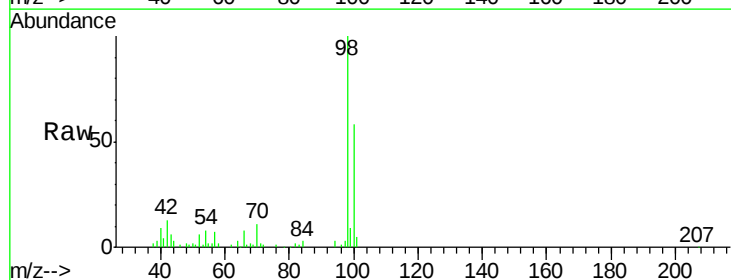
Acq: 29 Jun 2020 16:02

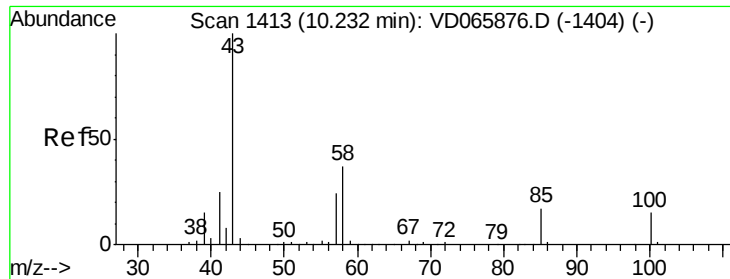
Tgt Ion: 98 Resp: 75129

Ion Ratio Lower Upper

98 100

100 66.8 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 185.436 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

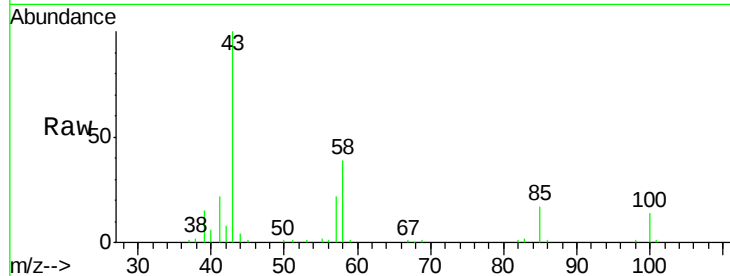
72-11982

Tot Ion: 43 Resp: 60055

Ion Ratio Lower Upper

43 100

58 37.7 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

40000

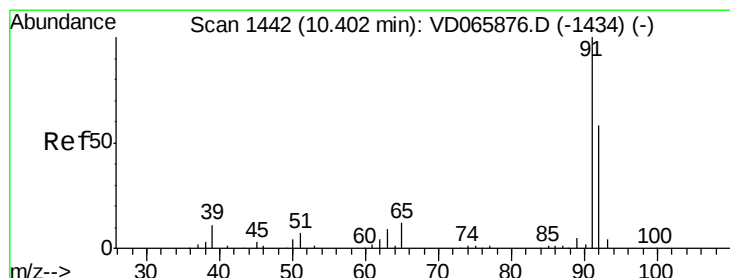
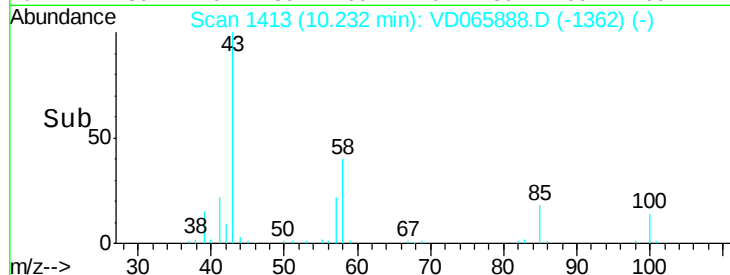
30000

20000

10000

0

Time-->



#52

Toluene

Concen: 10.624 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD065888.D

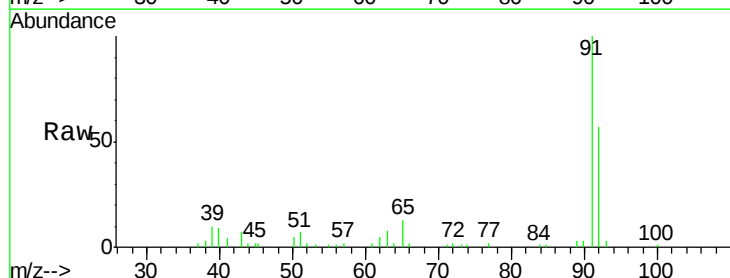
Acq: 29 Jun 2020 16:02

Tgt Ion: 92 Resp: 16250

Ion Ratio Lower Upper

92 100

91 181.3 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

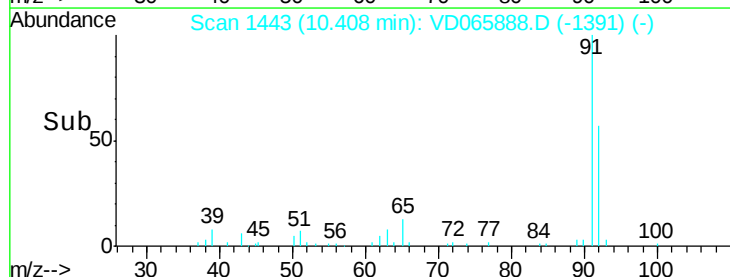
15000

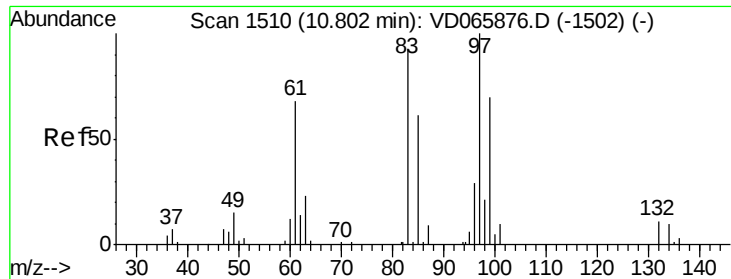
10000

5000

0

Time-->

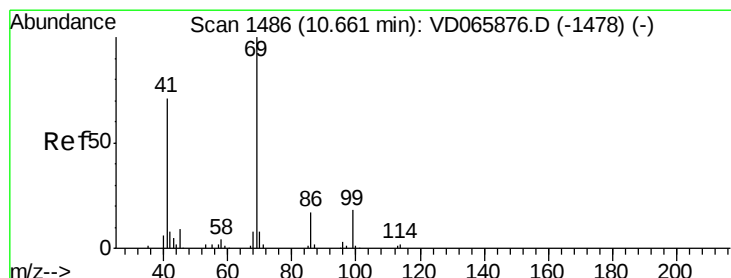
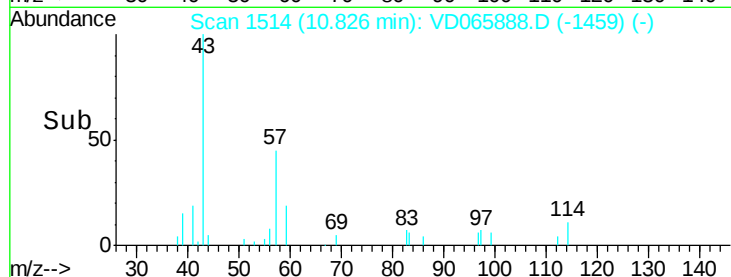
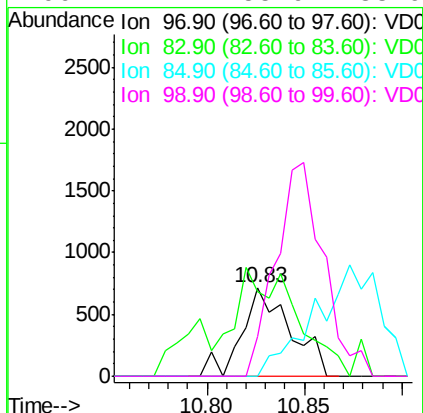
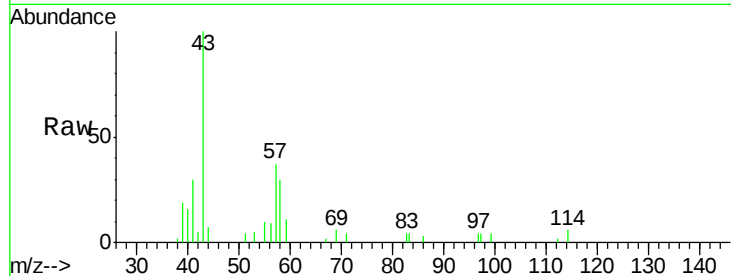




#55
 1,1,2-Trichloroethane
 Concen: 2.983 ug/l
 RT: 10.83 min Scan# 1514
 Delta R.T. 0.02 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

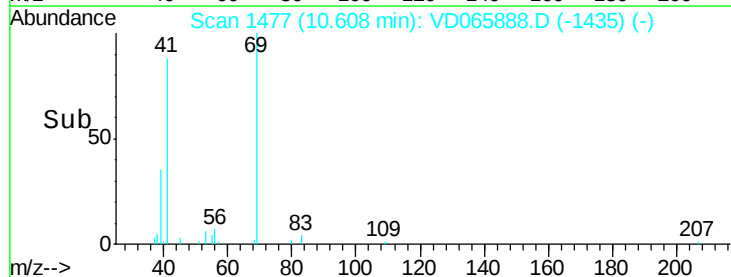
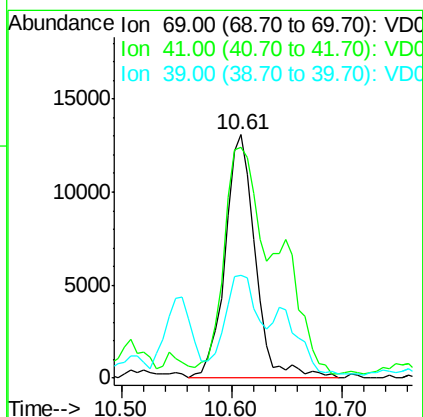
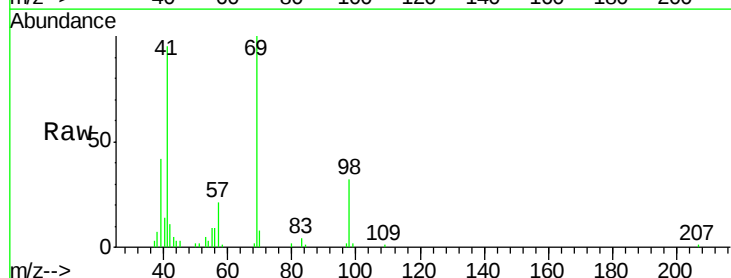
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11982

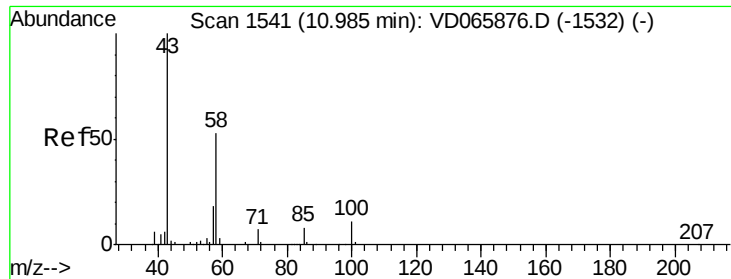
Tot Ion: 97 Resp: 1235
 Ion Ratio Lower Upper
 97 100
 83 73.0 74.2 111.4#
 85 0.0 48.8 73.2#
 99 44.2 55.9 83.9#



#56
 Ethyl methacrylate
 Concen: 48.772 ug/l
 RT: 10.61 min Scan# 1477
 Delta R.T. -0.05 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

Tgt Ion: 69 Resp: 25071
 Ion Ratio Lower Upper
 69 100
 41 103.8 55.4 83.2#
 39 43.1 33.0 49.4

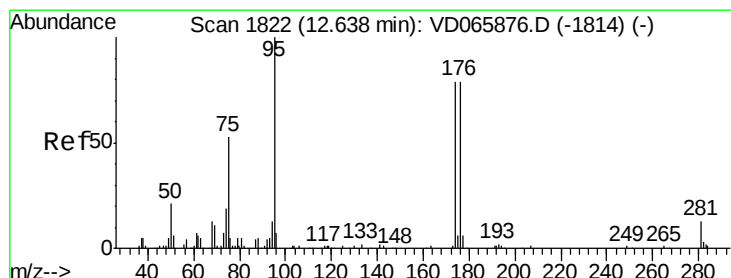
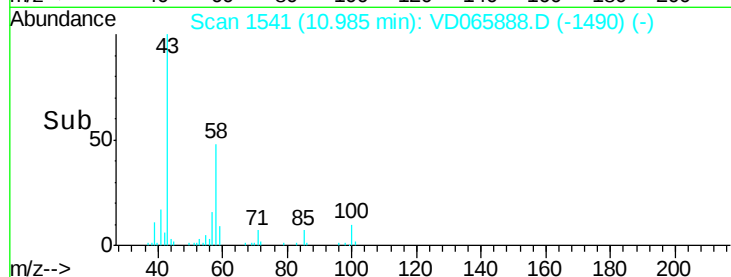
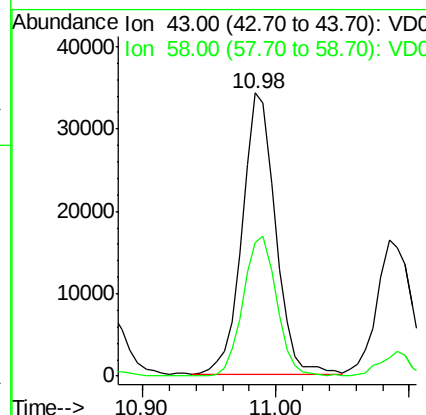
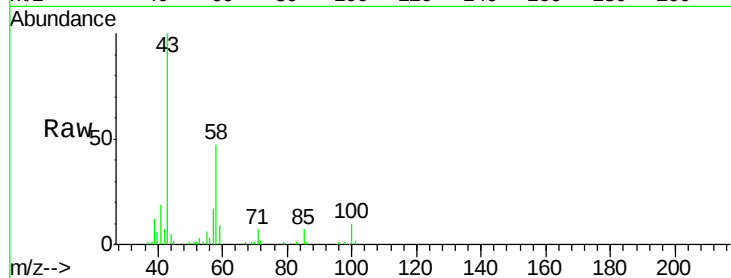




#59
2-Hexanone
Concen: 258.633 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

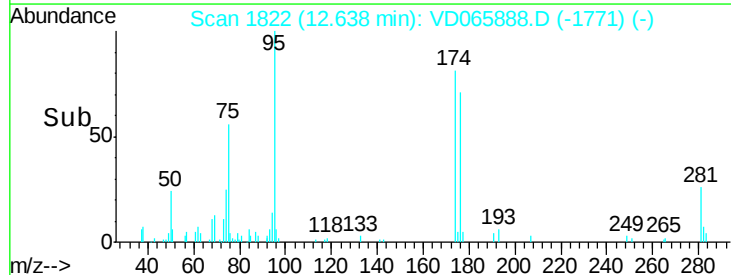
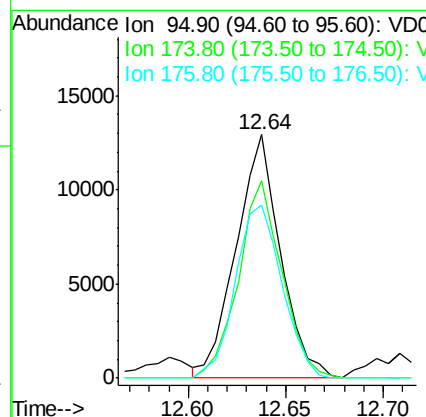
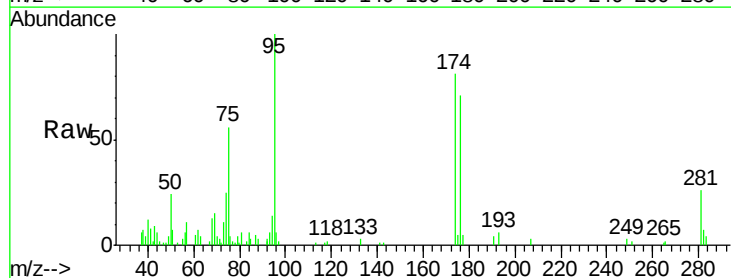
Instrument :
MSVOA_D
ClientSampleId :
72-11982

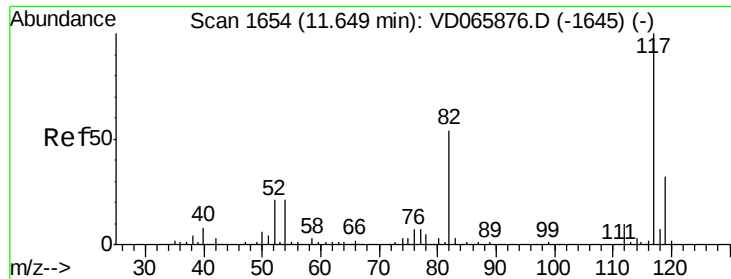
Tot Ion: 43 Resp: 58712
Ion Ratio Lower Upper
43 100
58 50.0 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 30.781 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

Tgt Ion: 95 Resp: 20389
Ion Ratio Lower Upper
95 100
174 79.4 0.0 158.4
176 74.8 0.0 156.0

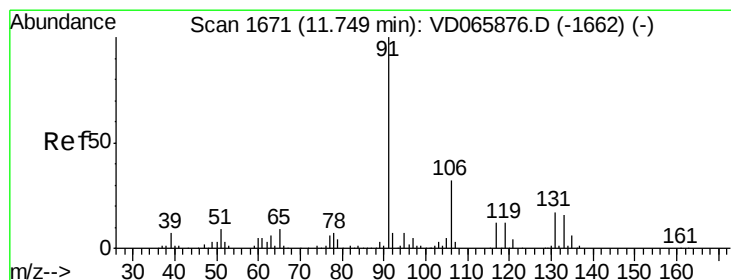
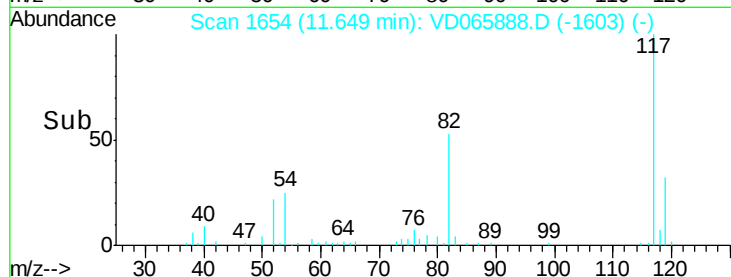
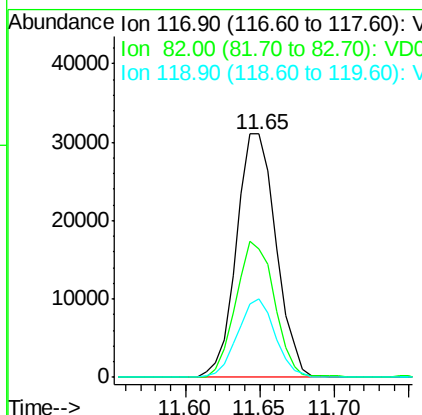
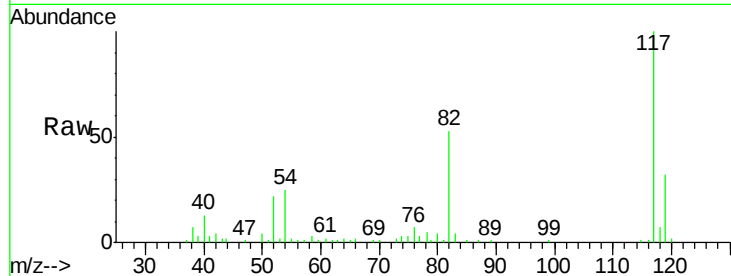




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

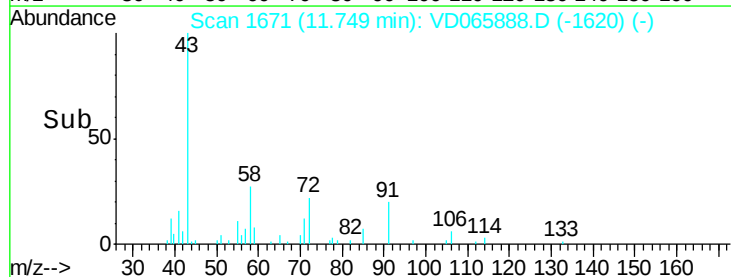
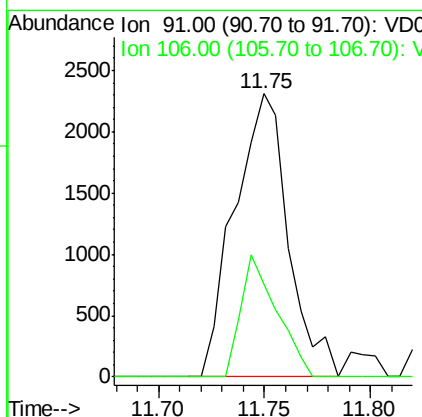
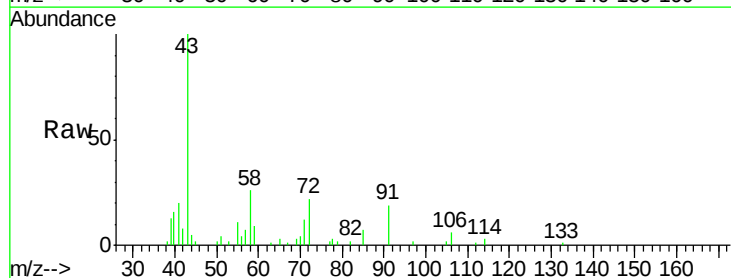
Instrument :
MSVOA_D
ClientSampleId :
72-11982

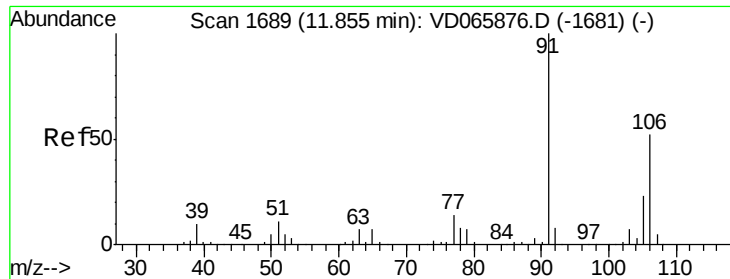
Tot Ion:117 Resp: 57176
Ion Ratio Lower Upper
117 100
82 52.6 43.6 65.4
119 32.3 25.9 38.9



#67
Ethyl Benzene
Concen: 1.940 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

Tgt Ion: 91 Resp: 4086
Ion Ratio Lower Upper
91 100
106 32.9 25.3 37.9

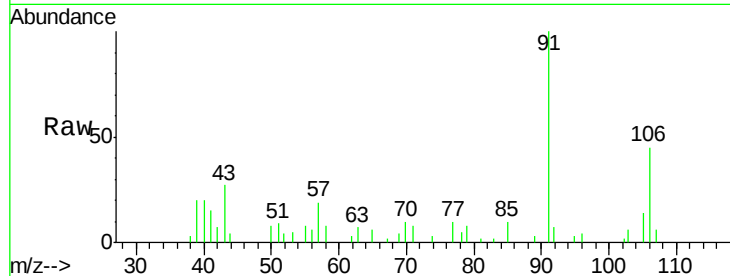




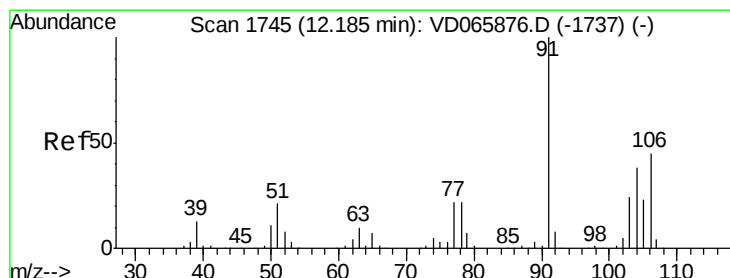
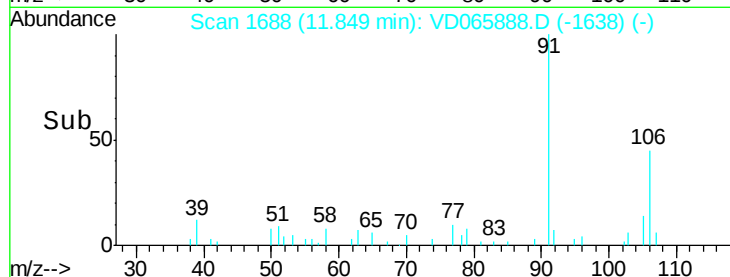
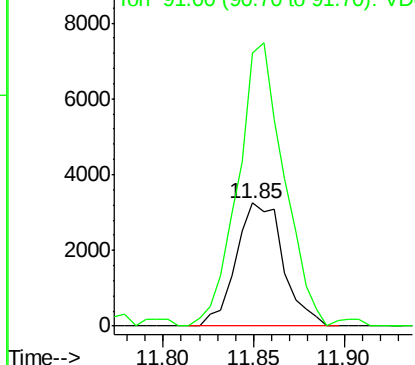
#68
m/p-Xylenes
Concen: 7.344 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

Instrument :
MSVOA_D
ClientSampled :
72-11982

Tot Ion:106 Resp: 5890
Ion Ratio Lower Upper
106 100
91 225.1 159.5 239.3

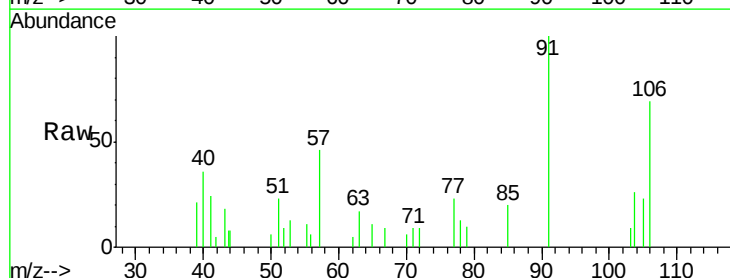


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

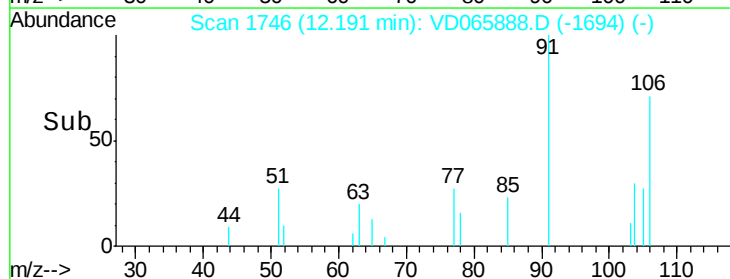
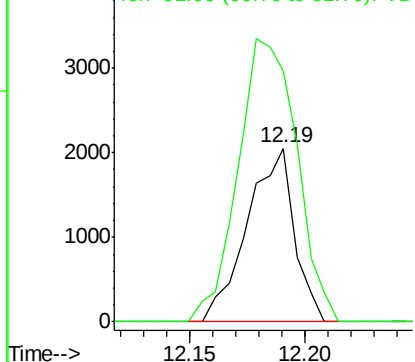


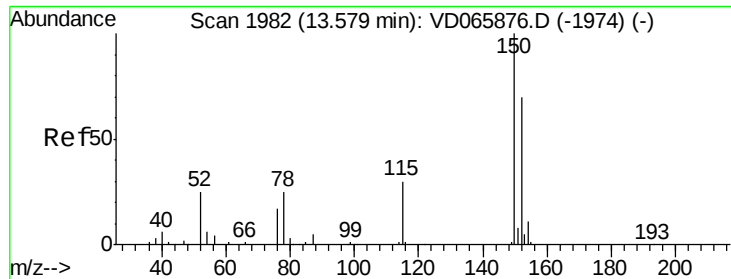
#69
o-Xylene
Concen: 4.048 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065888.D
Acq: 29 Jun 2020 16:02

Tgt Ion:106 Resp: 2917
Ion Ratio Lower Upper
106 100
91 202.8 107.5 322.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

72-11982

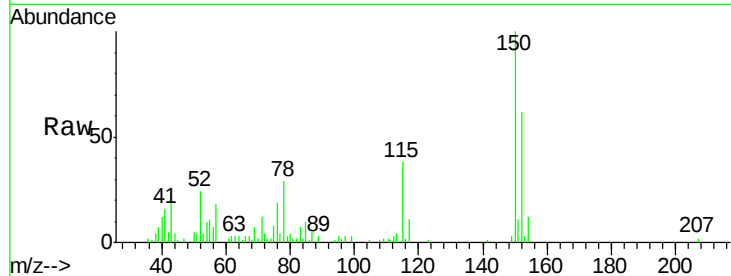
Tot Ion:152 Resp: 16900

Ion Ratio Lower Upper

152 100

115 68.9 29.7 89.1

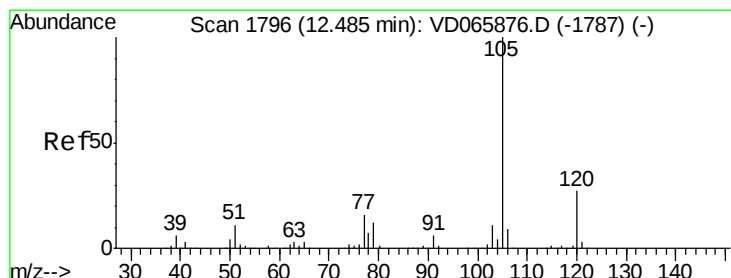
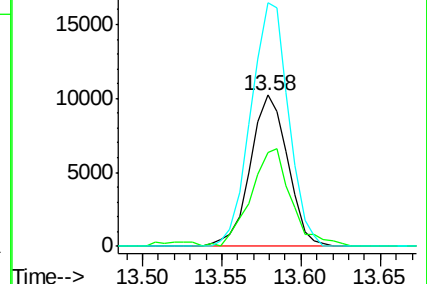
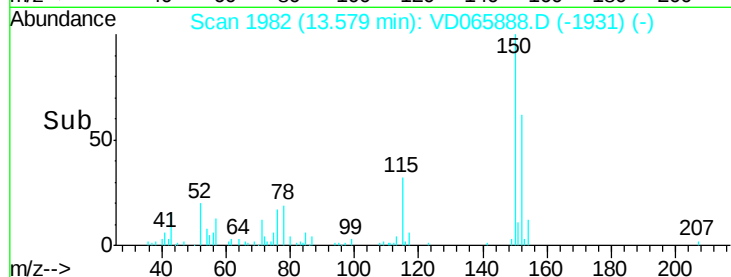
150 160.7 0.0 346.2



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: 2.260 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065888.D

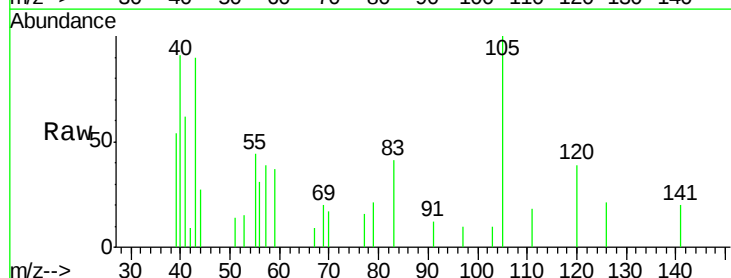
Acq: 29 Jun 2020 16:02

Tgt Ion:105 Resp: 2736

Ion Ratio Lower Upper

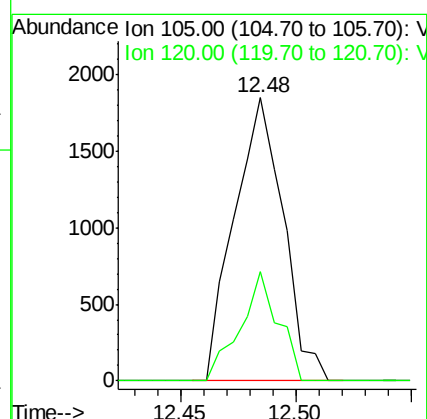
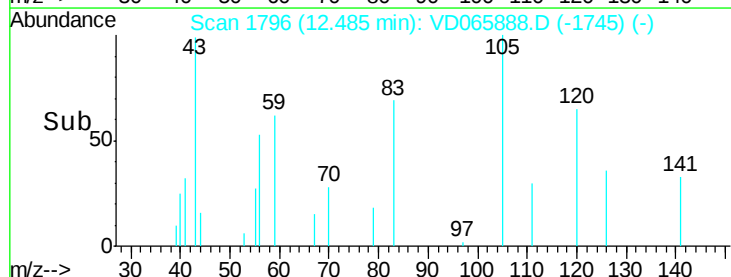
105 100

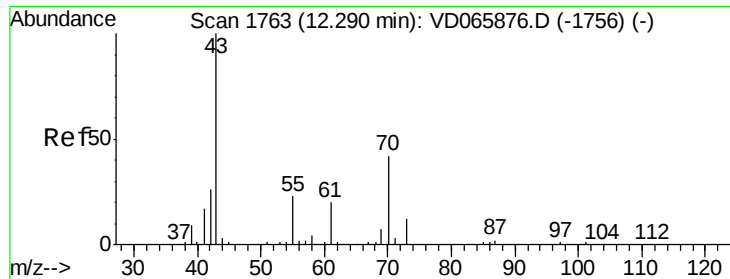
120 30.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 64.073 ug/l

RT: 12.25 min Scan# 1756

Delta R.T. -0.04 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

72-11982

Tot Ion: 43 Resp: 17135

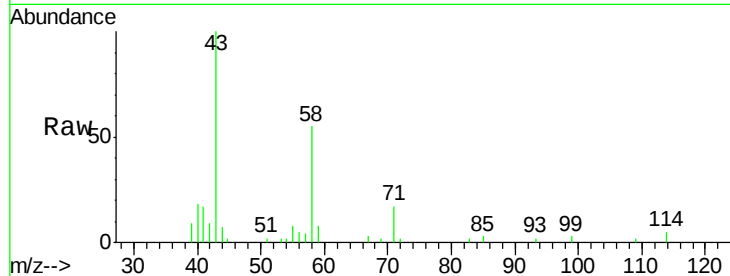
Ion Ratio Lower Upper

43 100

70 0.0 32.5 48.7#

55 8.0 18.7 28.1#

61 0.0 16.7 25.1#

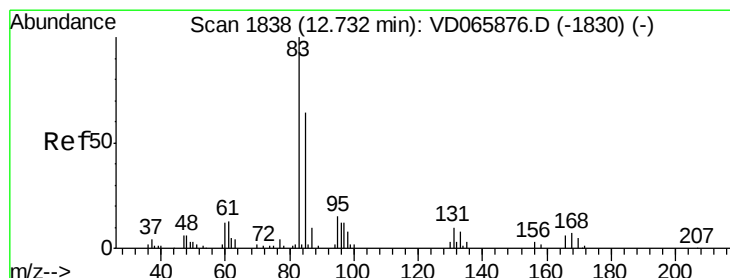
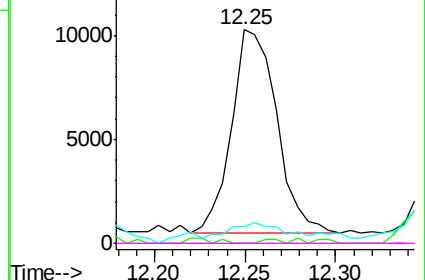
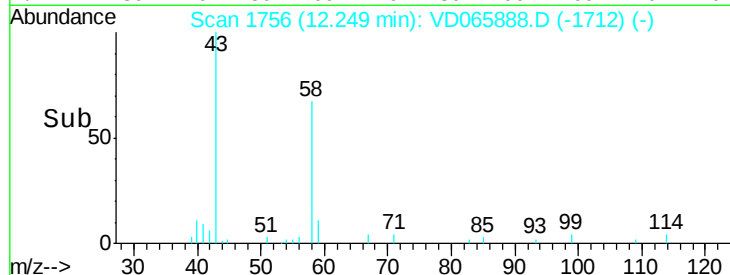


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 3.950 ug/l

RT: 12.71 min Scan# 1835

Delta R.T. -0.02 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

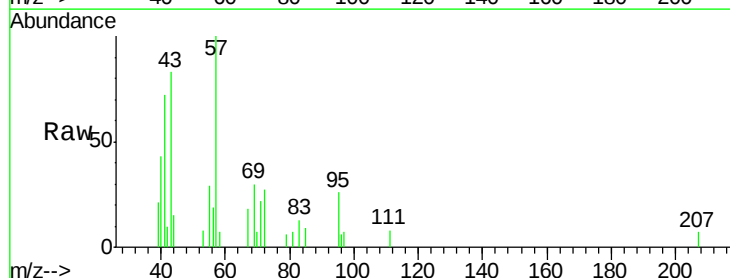
Tgt Ion: 83 Resp: 787

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

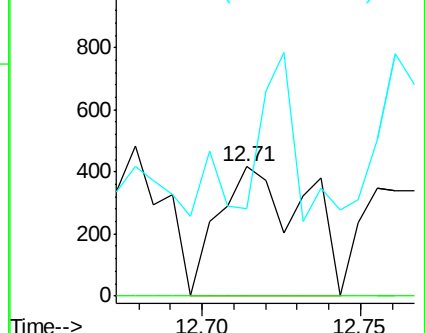
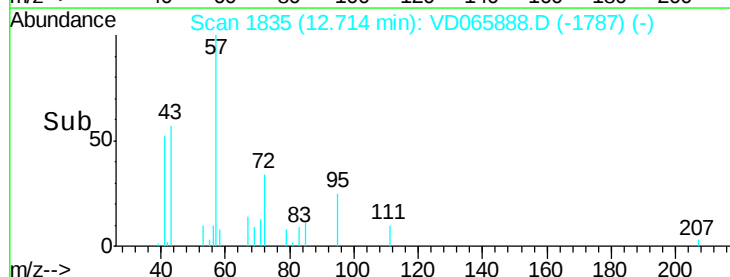
85 44.2 32.3 96.9

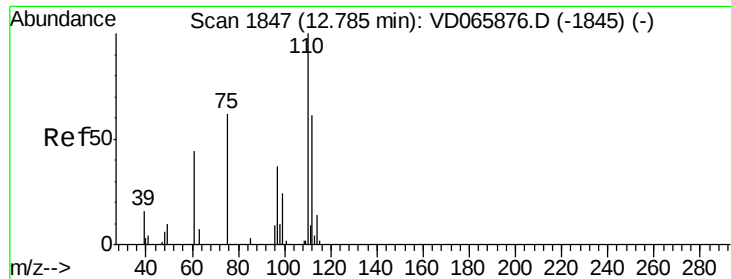


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VDC





#76

1,2,3-Trichloropropane

Concen: 75.684 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

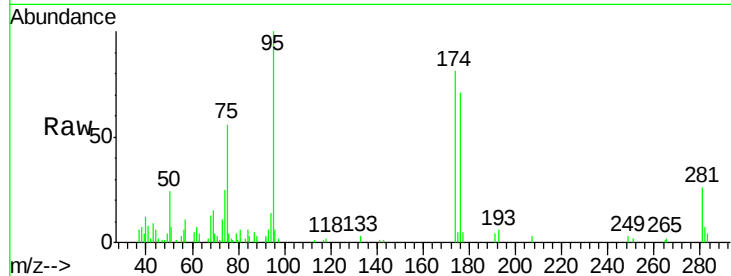
72-11982

Tot Ion: 75 Resp: 11192

Ion Ratio Lower Upper

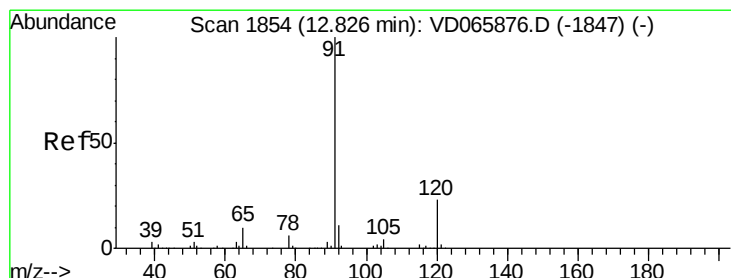
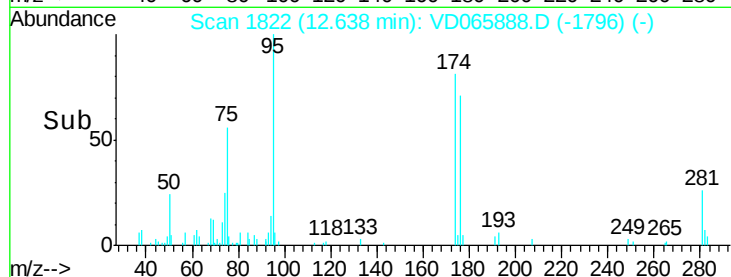
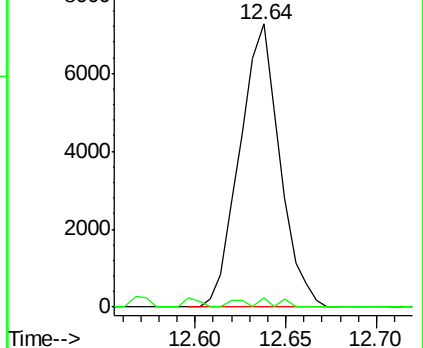
75 100

77 1.4 168.5 505.5#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#78

n-propylbenzene

Concen: 2.744 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065888.D

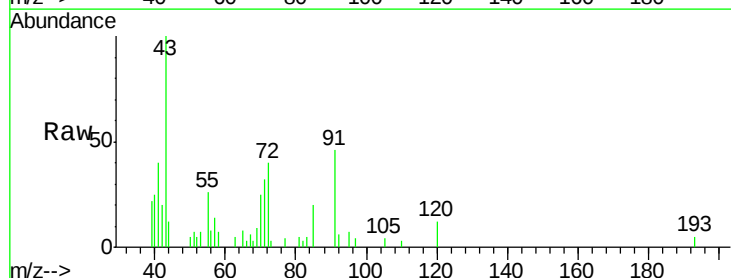
Acq: 29 Jun 2020 16:02

Tgt Ion: 91 Resp: 4002

Ion Ratio Lower Upper

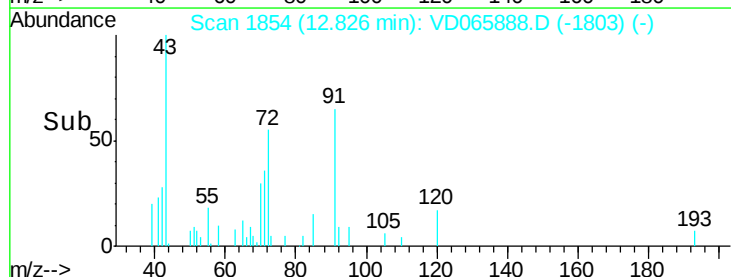
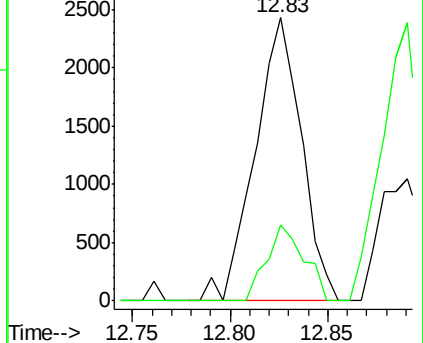
91 100

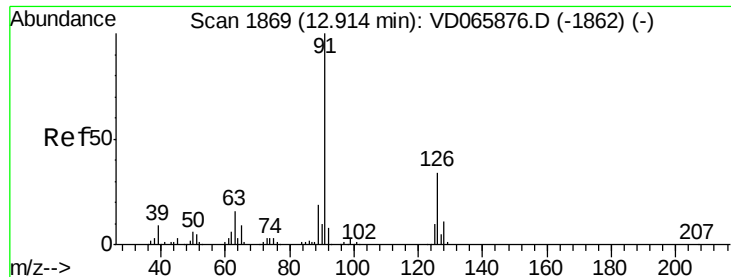
120 21.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): VDC

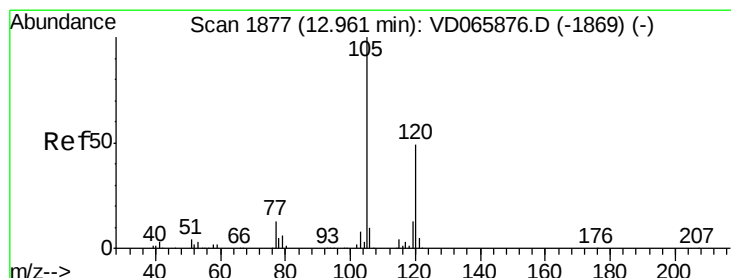
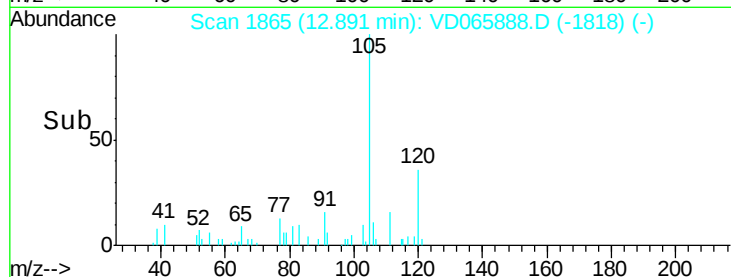
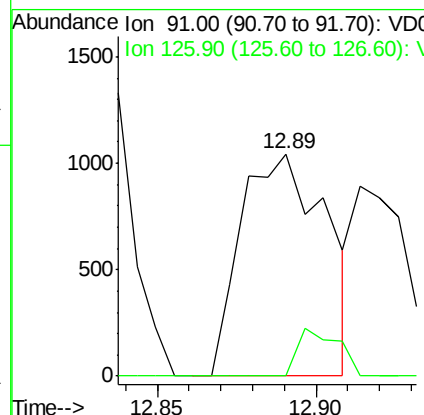
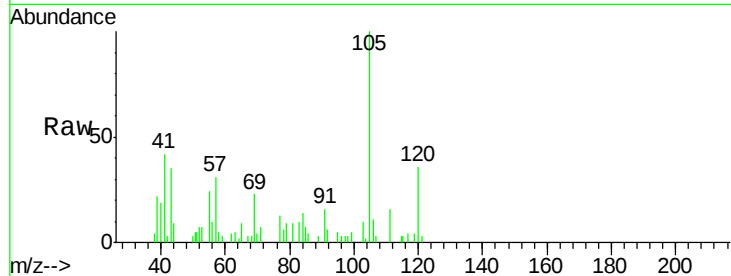




#79
 2-Chlorotoluene
 Concen: 2.435 ug/l
 RT: 12.89 min Scan# 1865
 Delta R.T. -0.02 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

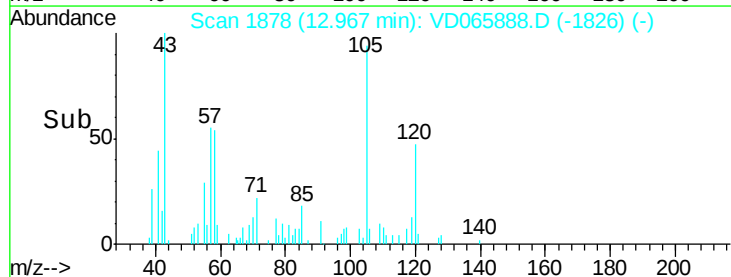
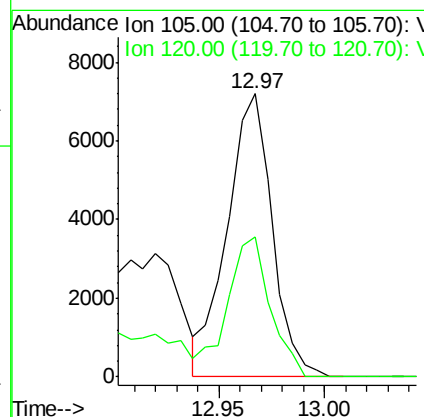
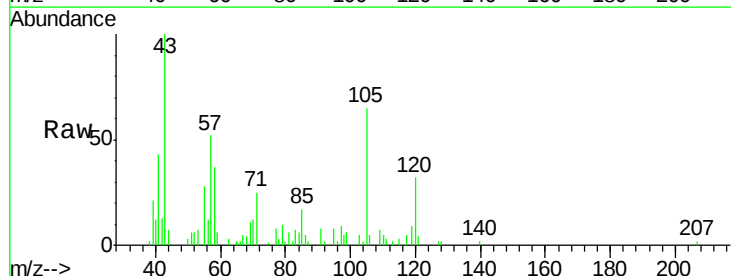
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11982

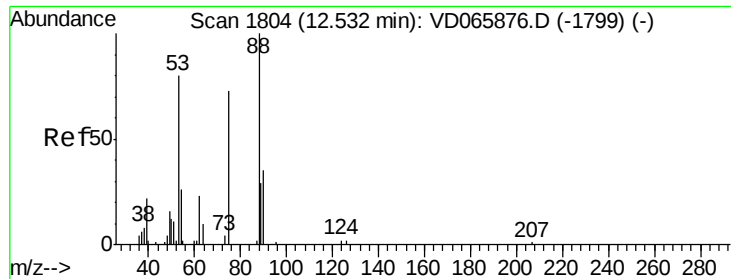
Tot Ion: 91 Resp: 1956
 Ion Ratio Lower Upper
 91 100
 126 10.1 17.5 52.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 10.460 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

Tgt Ion: 105 Resp: 10584
 Ion Ratio Lower Upper
 105 100
 120 46.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 162.595 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

72-11982

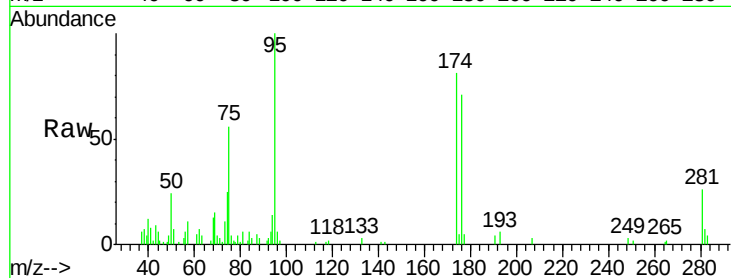
Tot Ion: 75 Resp: 11192

Ion Ratio Lower Upper

75 100

53 0.0 80.6 121.0#

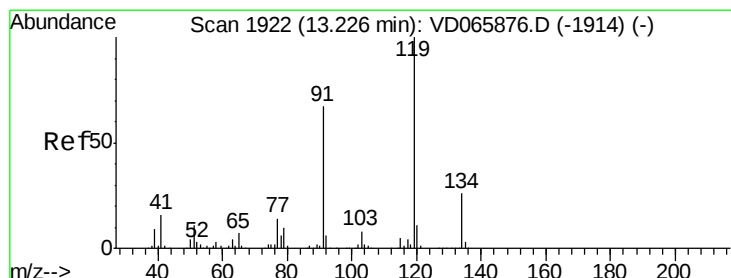
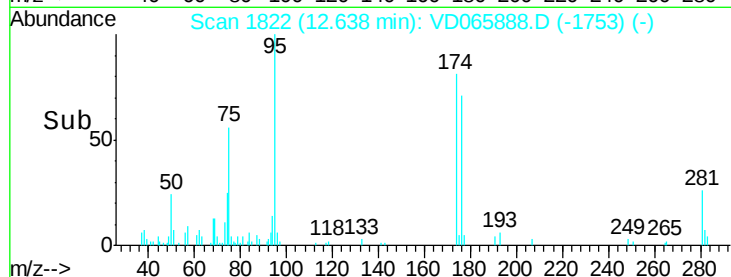
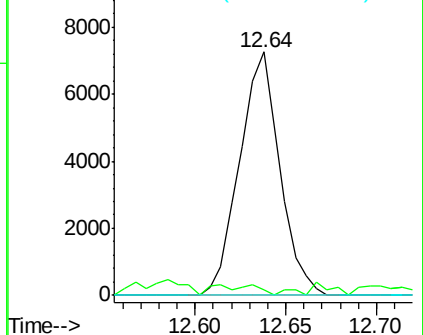
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#83

tert-Butylbenzene

Concen: 2.165 ug/l

RT: 13.46 min Scan# 1961

Delta R.T. 0.23 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

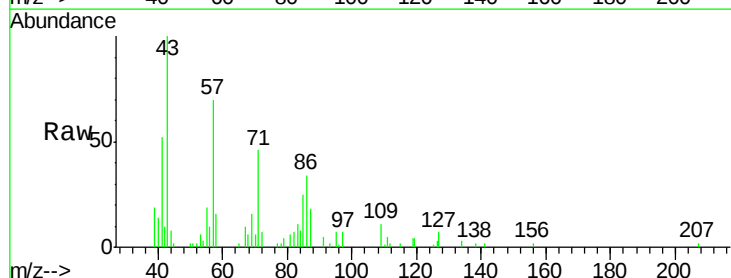
Tgt Ion: 119 Resp: 1844

Ion Ratio Lower Upper

119 100

91 75.4 32.2 96.6

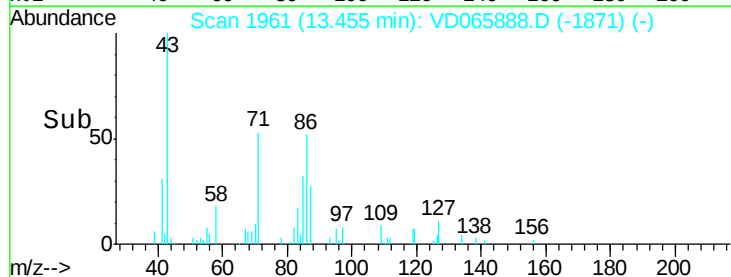
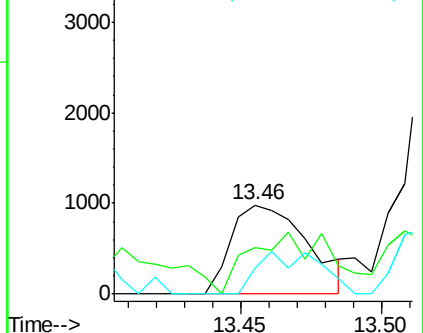
134 38.4 13.5 40.4

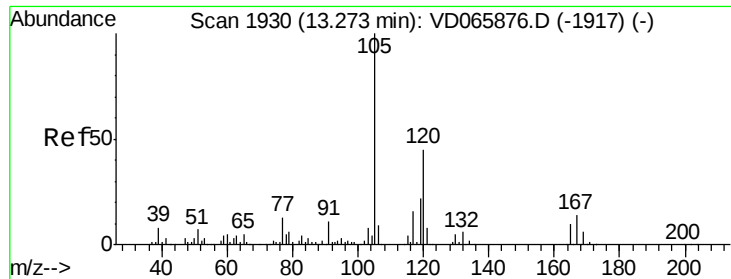


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VDC

Ion 134.00 (133.70 to 134.70): V

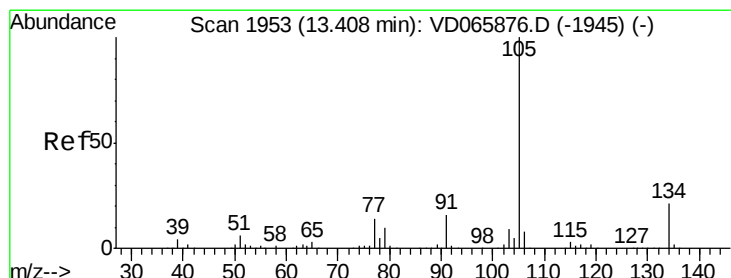
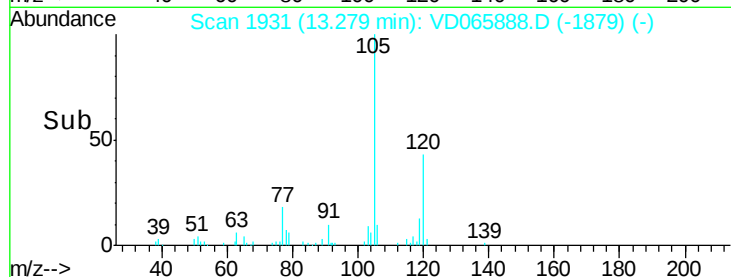
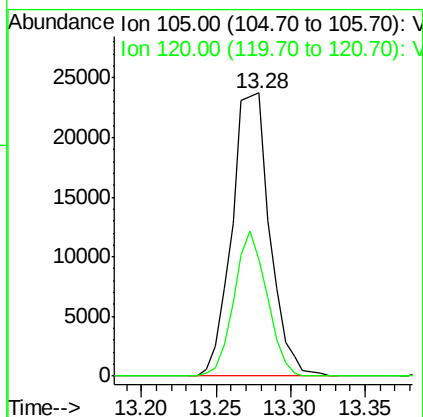
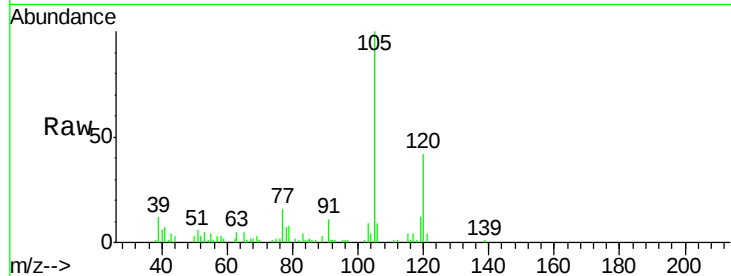




#84
 1,2,4-Trimethylbenzene
 Concen: 42.292 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

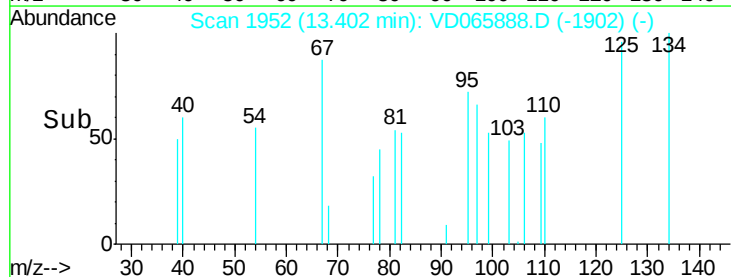
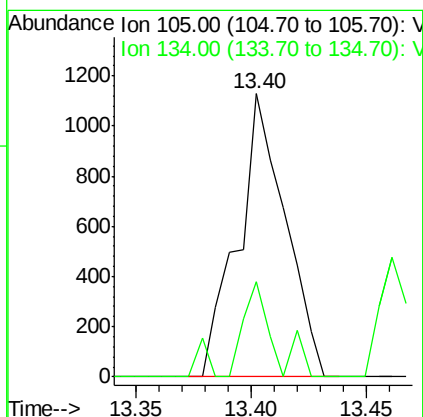
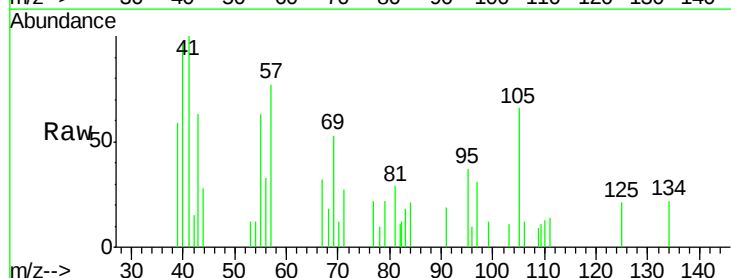
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11982

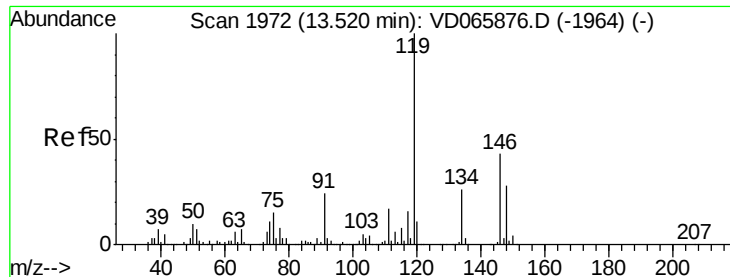
Tot Ion:105 Resp: 42155
 Ion Ratio Lower Upper
 105 100
 120 44.2 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 1.328 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

Tgt Ion:105 Resp: 1612
 Ion Ratio Lower Upper
 105 100
 134 16.9 10.0 29.8

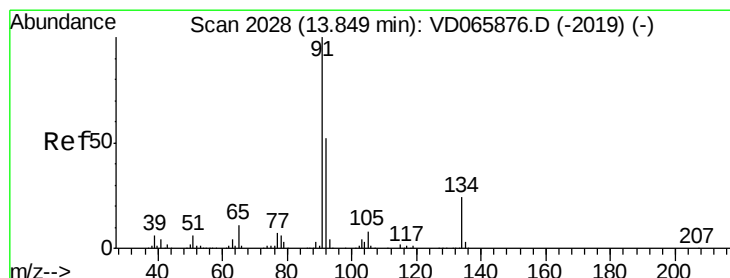
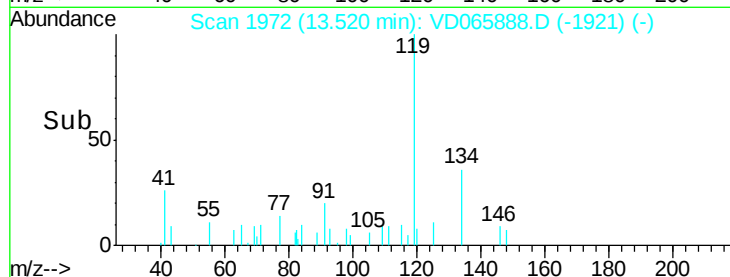
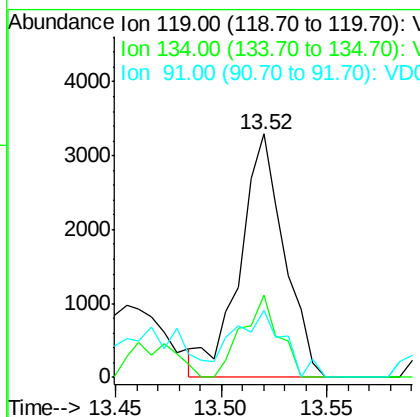
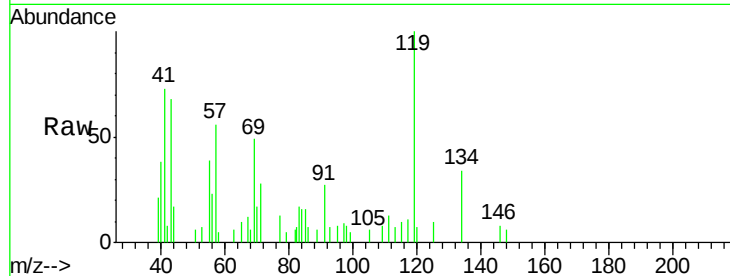




#86
 p-Isopropyltoluene
 Concen: 4.345 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

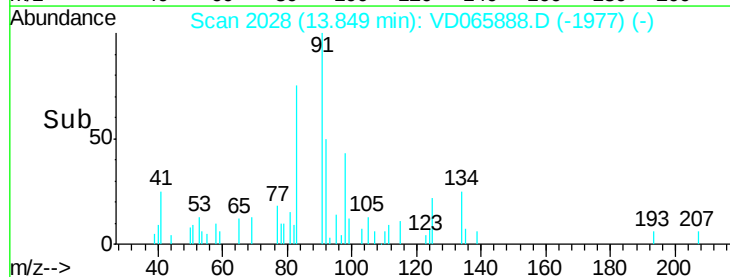
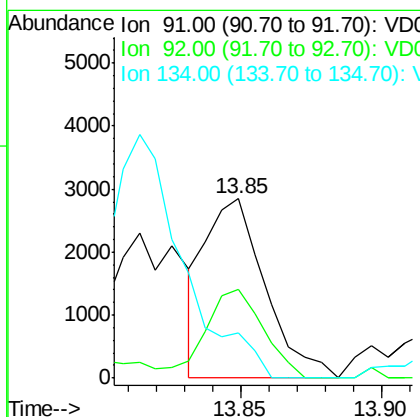
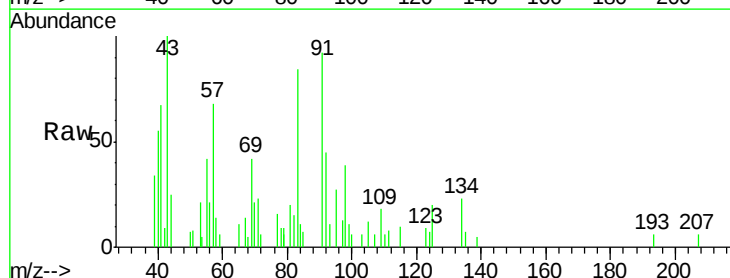
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11982

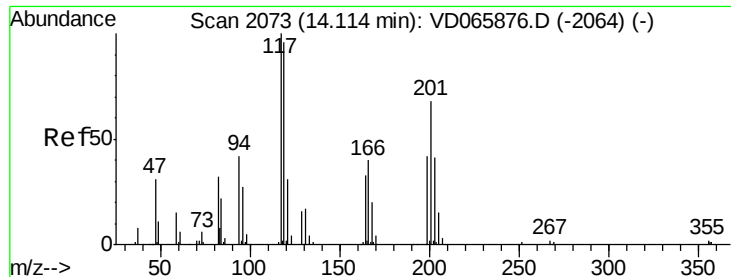
Tot Ion: 119 Resp: 4789
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.4 40.1
 91 30.3 12.0 36.1



#89
 n-Butylbenzene
 Concen: 3.894 ug/l
 RT: 13.85 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

Tgt Ion: 91 Resp: 4185
 Ion Ratio Lower Upper
 91 100
 92 48.4 26.5 79.4
 134 0.0 12.4 37.2#





#90

Hexachloroethane

Concen: 9.474 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.01 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

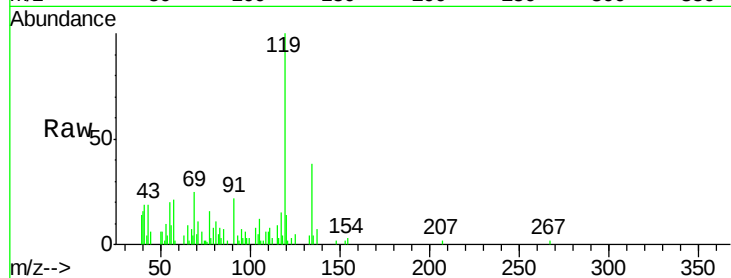
72-11982

Tot Ion:117 Resp: 2131

Ion Ratio Lower Upper

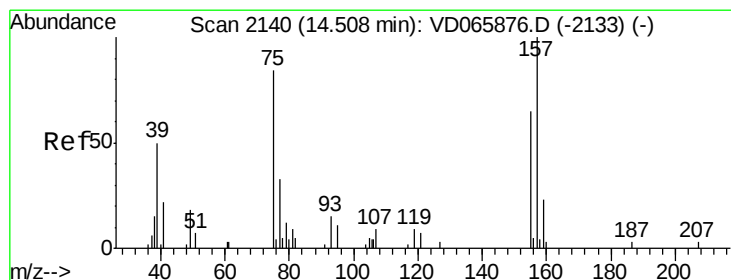
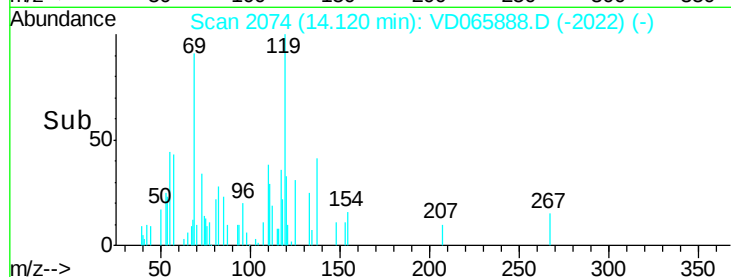
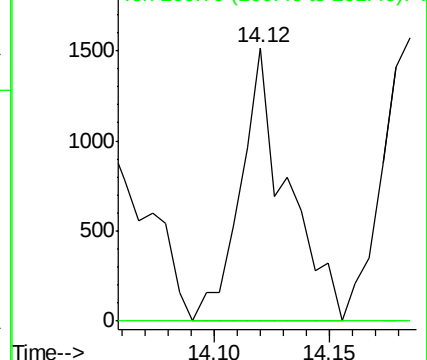
117 100

201 0.0 35.1 105.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.236 ug/l

RT: 14.49 min Scan# 2137

Delta R.T. -0.02 min

Lab File: VD065888.D

Acq: 29 Jun 2020 16:02

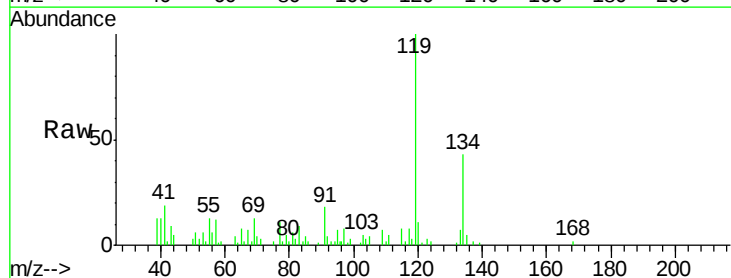
Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

155 0.0 37.8 113.3#

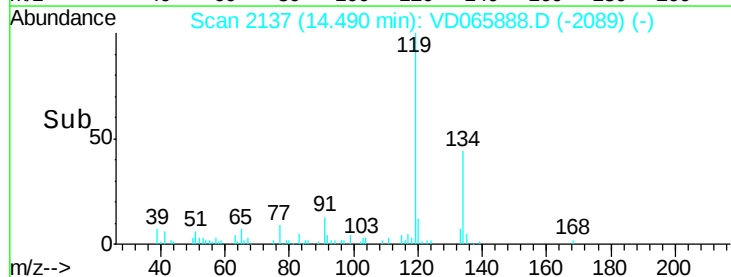
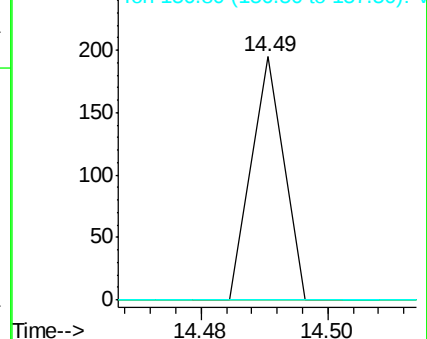
157 0.0 50.6 151.8#

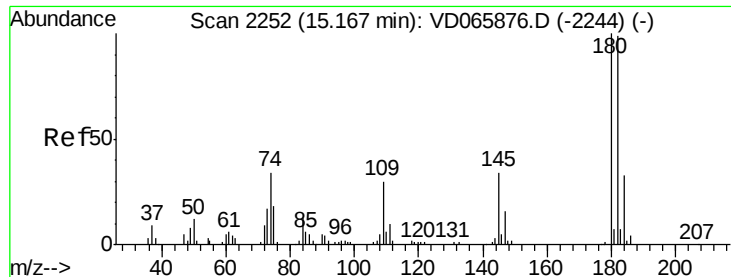


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

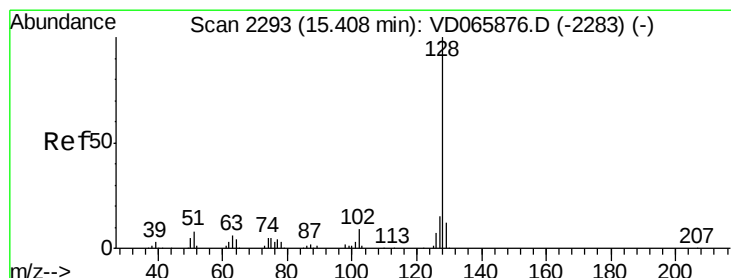
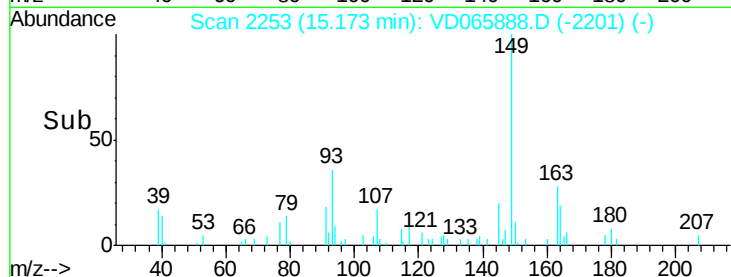
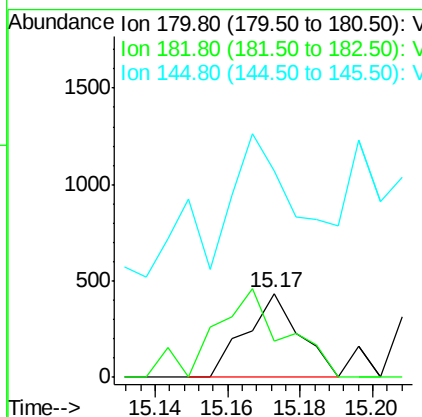
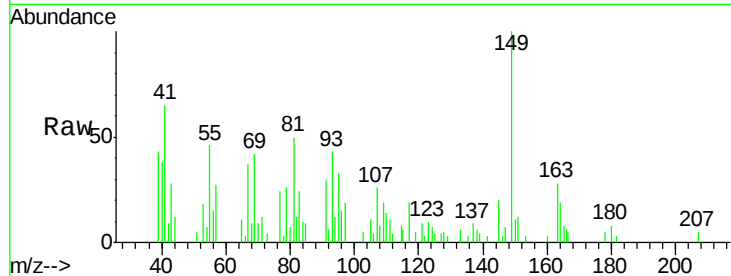




#93
 1,2,4-Trichlorobenzene
 Concen: 1.529 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

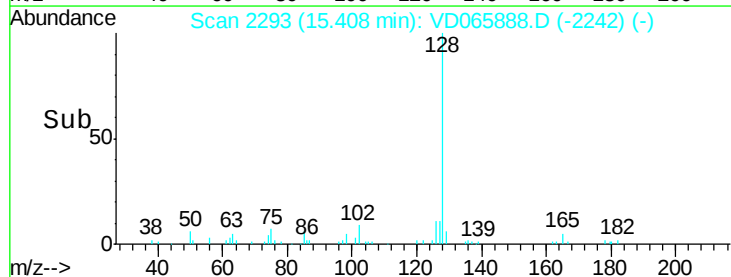
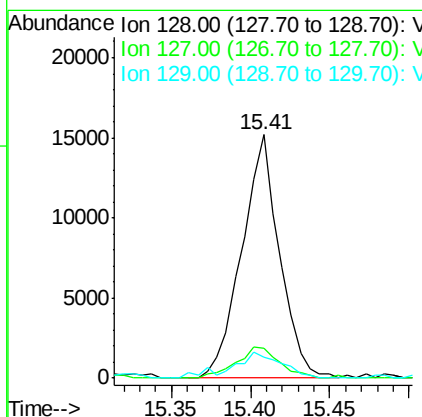
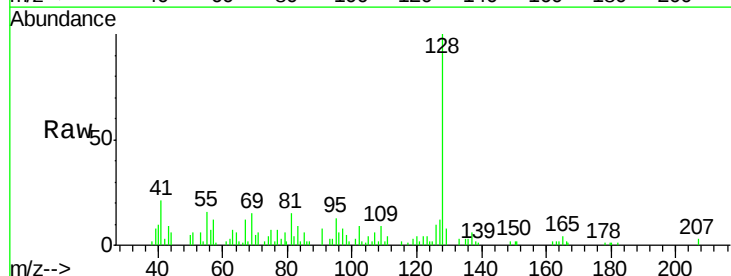
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11982

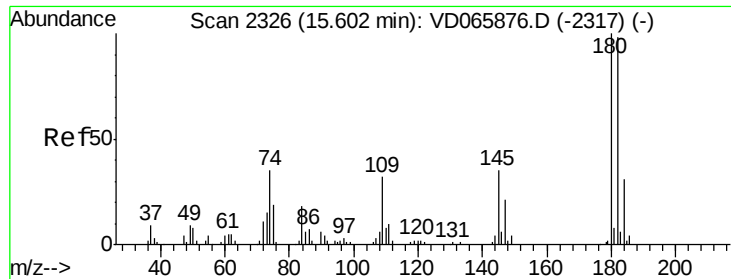
Tot Ion:180 Resp: 449
 Ion Ratio Lower Upper
 180 100
 182 138.8 47.7 143.1
 145 739.9 16.0 48.0#



#95
 Naphthalene
 Concen: 47.496 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

Tgt Ion:128 Resp: 25041
 Ion Ratio Lower Upper
 128 100
 127 14.6 10.8 16.2
 129 13.8 8.8 13.2#

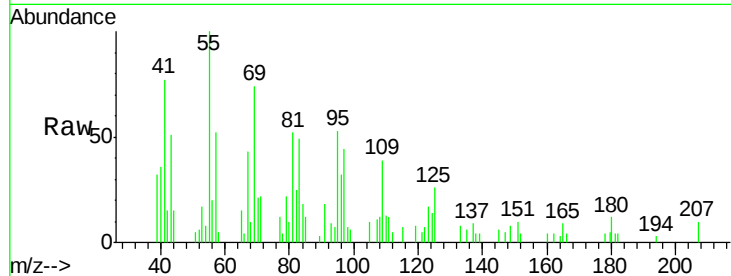




#96
 1,2,3-Trichlorobenzene
 Concen: 2.489 ug/l
 RT: 15.61 min Scan# 2328
 Delta R.T. 0.01 min
 Lab File: VD065888.D
 Acq: 29 Jun 2020 16:02

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11982

Tot Ion:180 Resp: 610
 Ion Ratio Lower Upper
 180 100
 182 45.9 48.9 146.6#
 145 299.0 16.6 49.7#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

