

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073182.D
 Acq On : 20 May 2022 13:26
 Operator : VA/SY
 Sample : N2842-24
 Misc : 4.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P025-SS001-1218-01

Quant Time: May 20 14:25:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

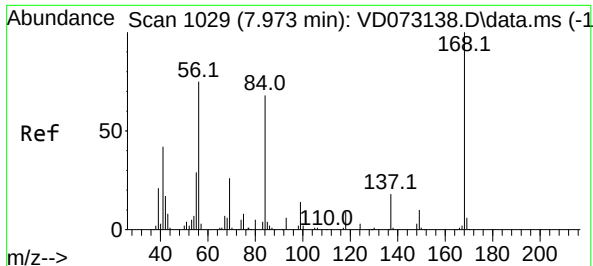
Internal Standards						
1) Pentafluorobenzene	7.979	168	304157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	540174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	555795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	248579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	174969	52.053	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.100%	
35) Dibromofluoromethane	7.908	113	182215	51.120	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.240%	
50) Toluene-d8	10.332	98	659981	50.229	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.460%	
62) 4-Bromofluorobenzene	12.620	95	243340	52.772	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.540%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	6340	2.086	ug/l	96
5) Bromomethane	2.785	94	788	Below Cal		99
11) Tert butyl alcohol	5.191	59	18501	35.475	ug/l #	76
16) Acetone	4.167	43	1910	3.281	ug/l #	47
20) Methylene Chloride	4.961	84	11639	Below Cal	#	70
25) 2-Butanone	7.191	43	2458	2.886	ug/l #	52
31) Cyclohexane	7.967	56	6574	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	26396	4.924	ug/l #	51
37) Ethyl Acetate	7.191	43	2458	1.161	ug/l #	75
38) Carbon Tetrachloride	7.979	117	31294	5.759	ug/l #	19
59) 2-Hexanone	11.079	43	1419	1.059	ug/l #	45
76) 1,2,3-Trichloropropane	12.620	75	121366	49.761	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	121366	119.460	ug/l #	8

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

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P025-SS001-1218-01

The chromatogram displays the Total Ion Chromatogram (TIC) for the file VD073182.D\data.ms. The y-axis represents Abundance, ranging from 0 to 1,150,000. The x-axis represents Time in minutes, ranging from 2.00 to 16.00. The baseline is relatively flat, with several sharp peaks corresponding to different chemical compounds. The following table summarizes the labeled peaks:

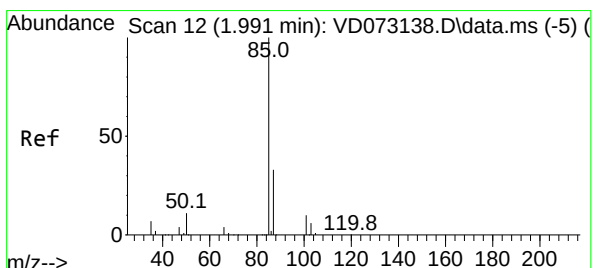
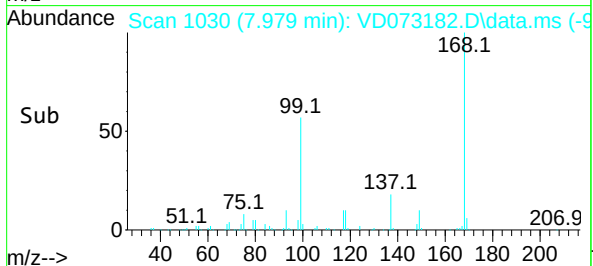
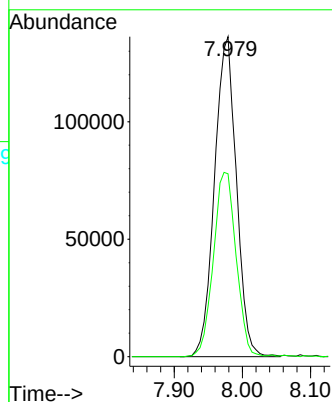
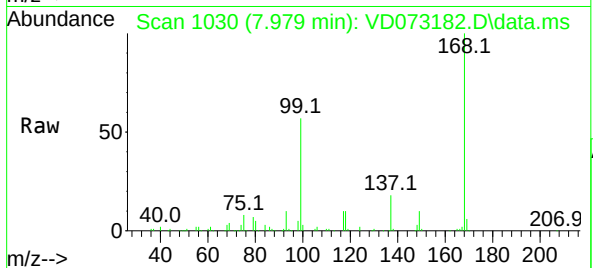
Time (min)	Compound	Approximate Abundance
2.00	Dichlorodifluoromethane, T	50,000
4.00	Acetone, T	100,000
5.00	Tert butyl alcohol, T	20,000
7.20	2-Butanone, T	50,000
7.80	Dibromodifluoromethane, T	250,000
8.00	1,2-Dichloroethane-d4, S	220,000
8.80	1,4-Difluorobenzene, I	600,000
10.50	Toluene-d8, S	950,000
11.20	2-Hexanone, T	150,000
11.80	Chlorobenzene-d5, I	900,000
12.50	1,2-Dichloropropane, T	800,000
13.20	1,4-Dichlorobenzene-d4, I	950,000



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD073182.D
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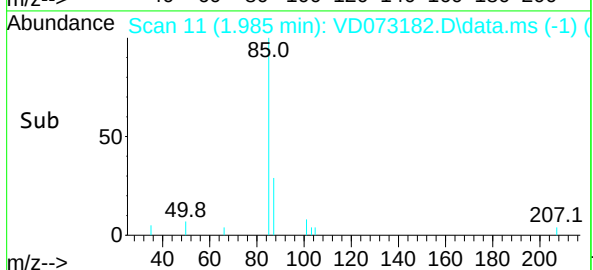
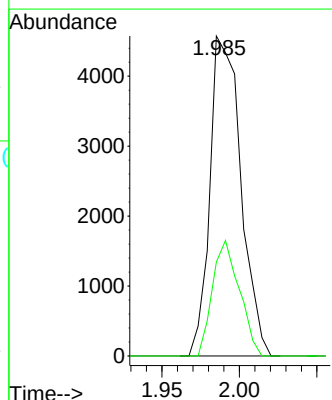
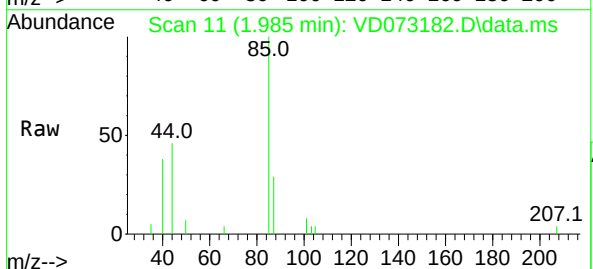
Instrument :
MSVOA_D
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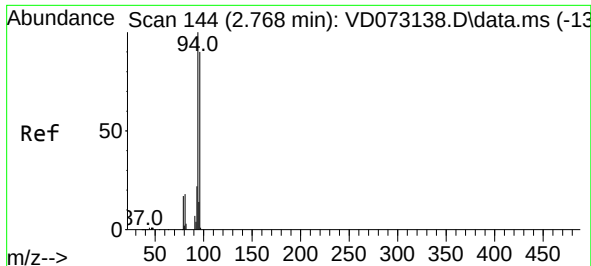
Tgt Ion:168 Resp: 304157
Ion Ratio Lower Upper
168 100
99 57.1 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 2.086 ug/l
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073182.D
Acq: 20 May 2022 13:26

Tgt Ion: 85 Resp: 6340
Ion Ratio Lower Upper
85 100
87 29.3 15.7 47.0

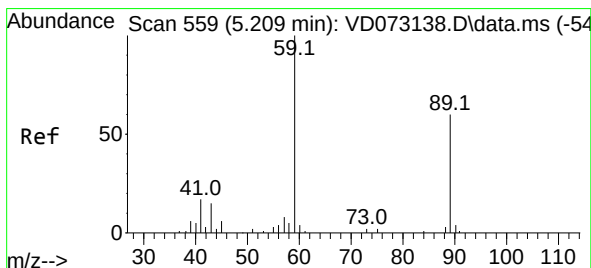
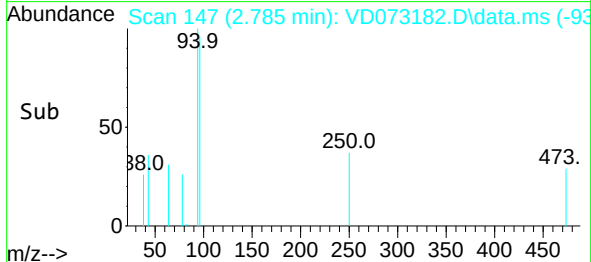
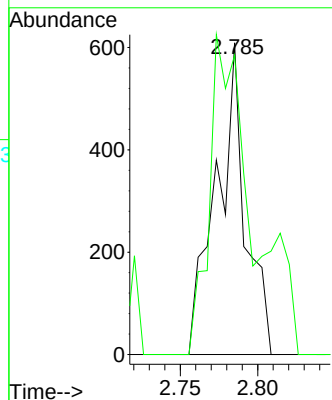
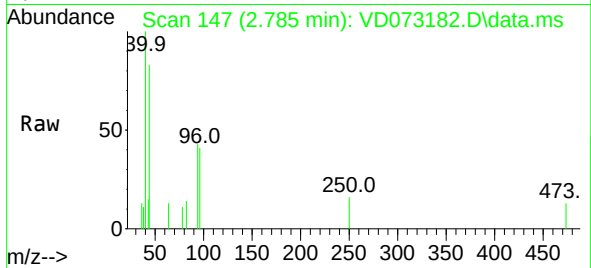




#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 14
Delta R.T. 0.017 min
Lab File: VD073182.D
Acq: 20 May 2022 13:26

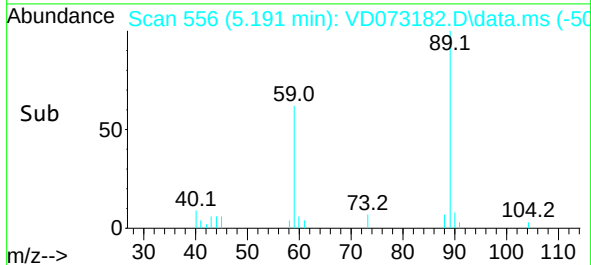
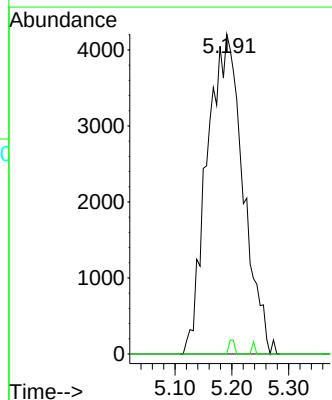
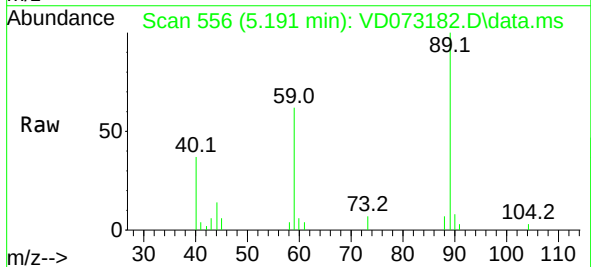
Instrument :
MSVOA_D
ClientSampleId :
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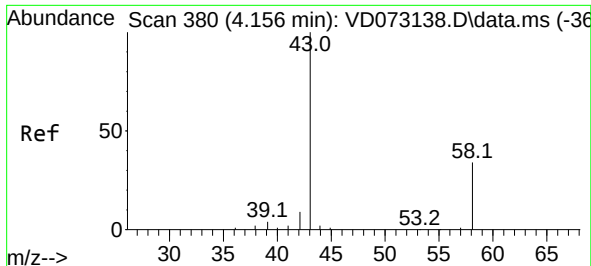
Tgt Ion: 94 Resp: 788
Ion Ratio Lower Upper
94 100
96 96.1 77.6 116.4



#11
Tert butyl alcohol
Concen: 35.475 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.018 min
Lab File: VD073182.D
Acq: 20 May 2022 13:26

Tgt Ion: 59 Resp: 18501
Ion Ratio Lower Upper
59 100
57 0.7 7.8 11.6#





#16

Acetone

Concen: 3.281 ug/l

RT: 4.167 min Scan# 31

Delta R.T. 0.011 min

Lab File: VD073182.D

Acq: 20 May 2022 13:26

Instrument :

MSVOA_D

ClientSampleId :

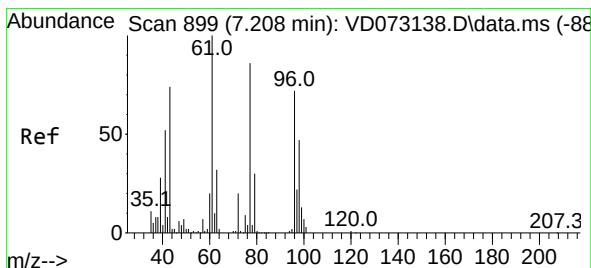
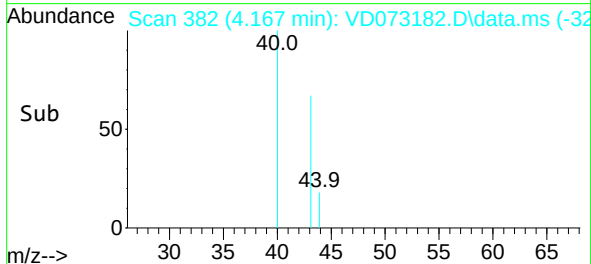
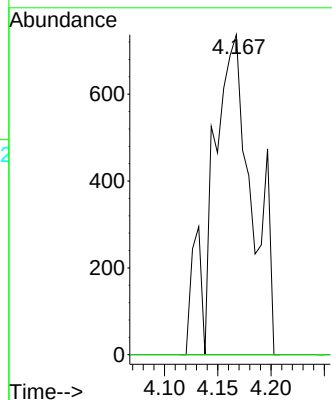
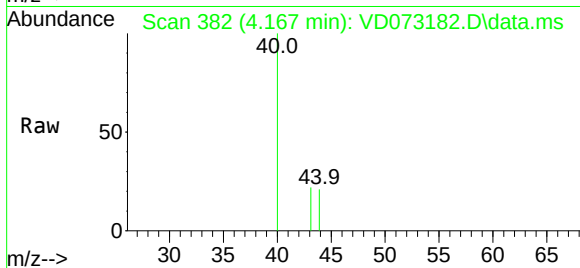
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Tgt Ion: 43 Resp: 1910

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#



#25

2-Butanone

Concen: 2.886 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.017 min

Lab File: VD073182.D

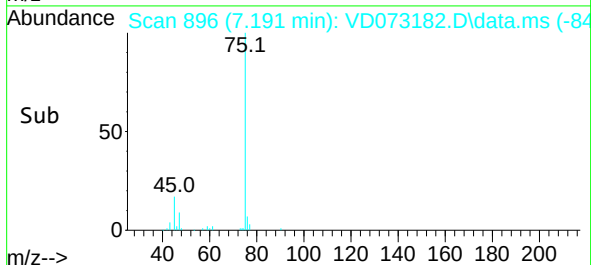
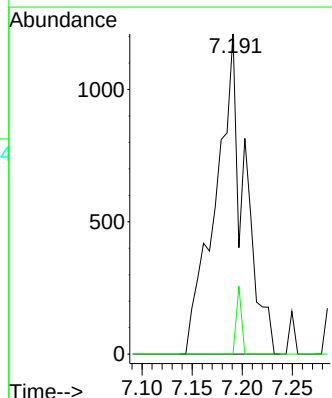
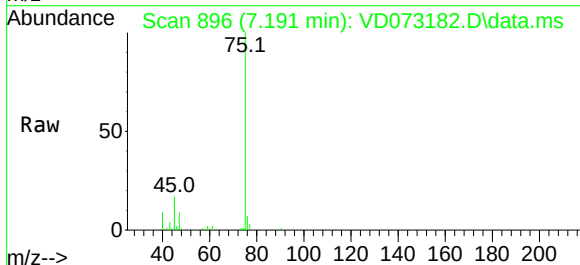
Acq: 20 May 2022 13:26

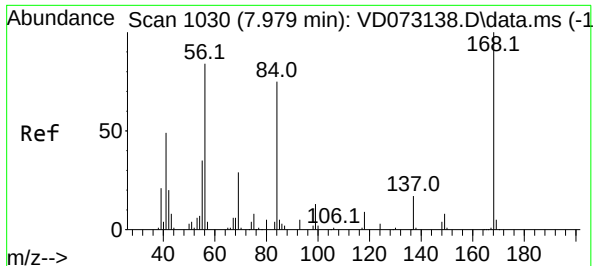
Tgt Ion: 43 Resp: 2458

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#

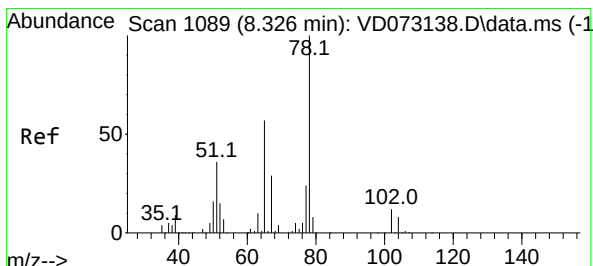
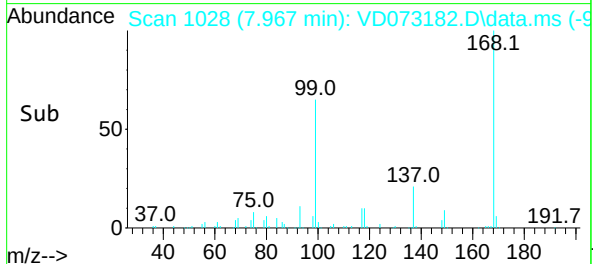
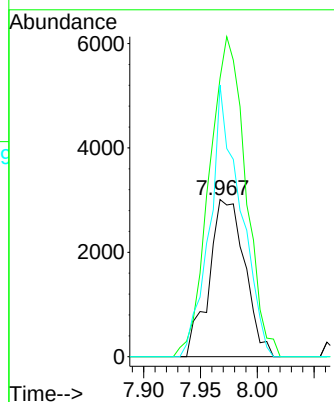
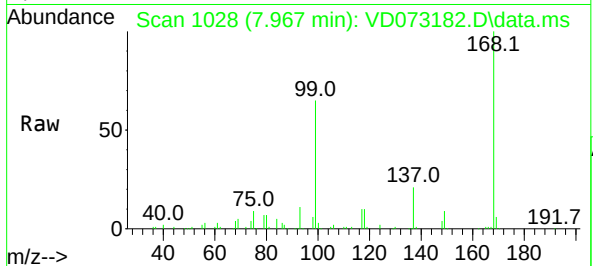




#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073182.D
Acq: 20 May 2022 13:26

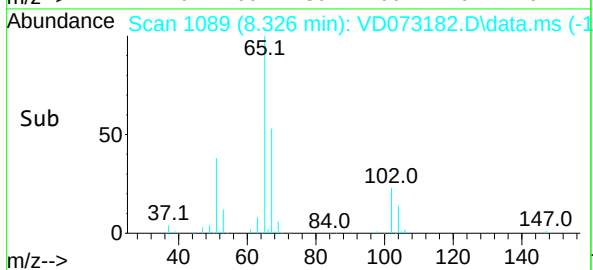
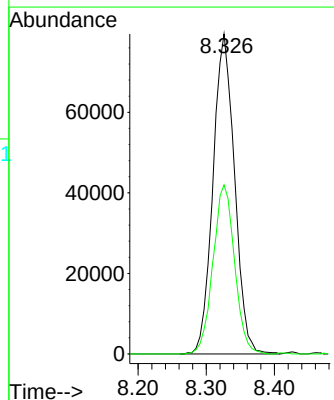
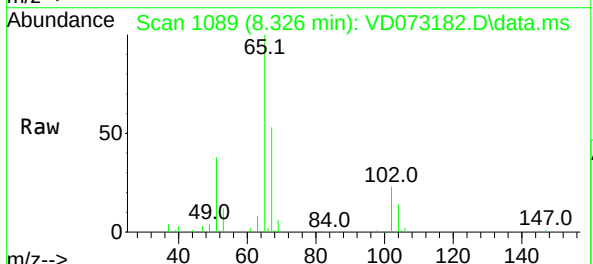
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-1218-01

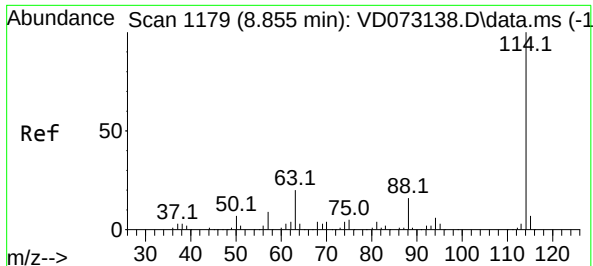
Tgt Ion: 56 Resp: 6574
Ion Ratio Lower Upper
56 100
69 177.3 25.4 38.2#
84 173.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 52.053 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073182.D
Acq: 20 May 2022 13:26

Tgt Ion: 65 Resp: 174969
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073182.D

Acq: 20 May 2022 13:26

Instrument :

MSVOA_D

ClientSampleId :

P025-SS001-1218-01

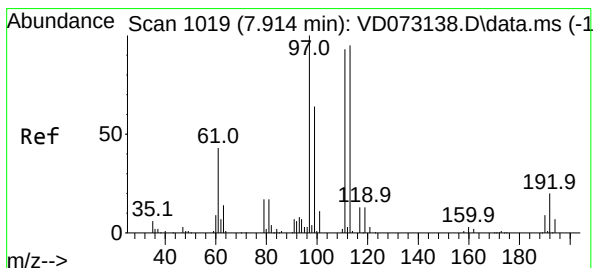
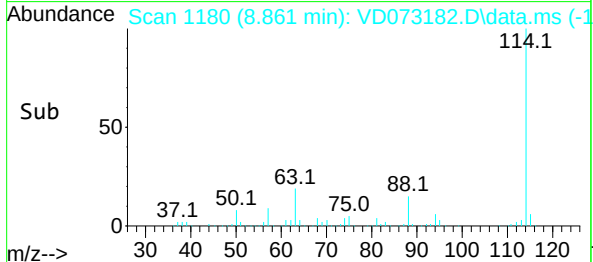
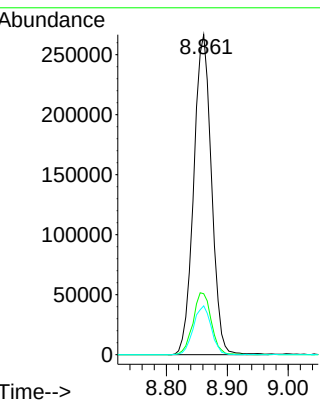
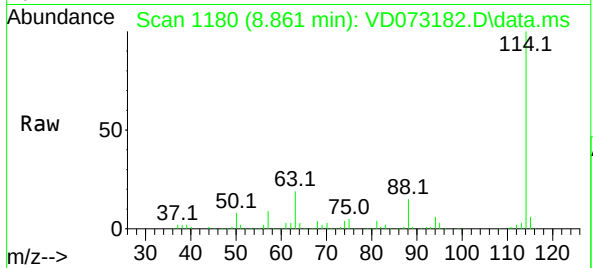
Tgt Ion:114 Resp: 540174

Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

88 15.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.120 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073182.D

Acq: 20 May 2022 13:26

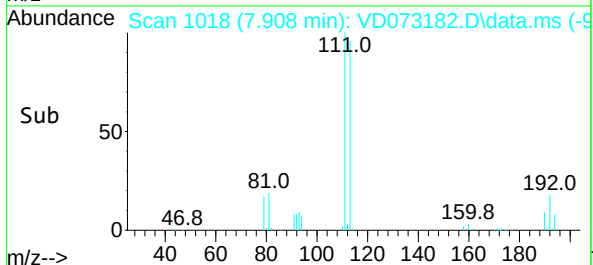
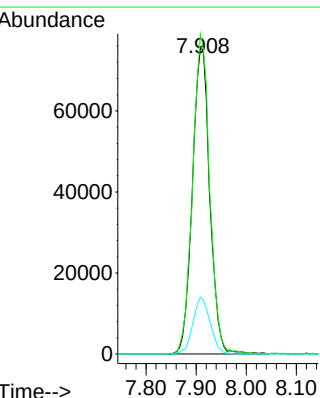
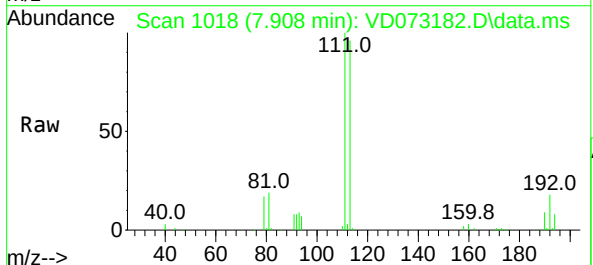
Tgt Ion:113 Resp: 182215

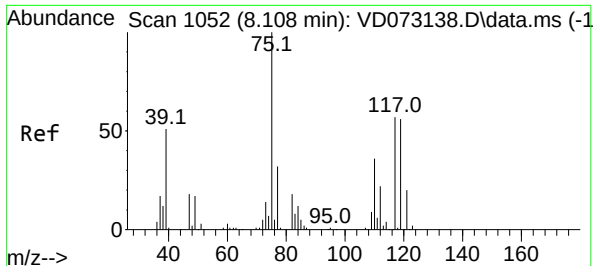
Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 18.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.924 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073182.D

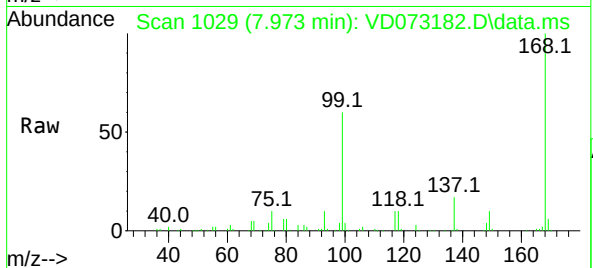
Acq: 20 May 2022 13:26

Instrument :

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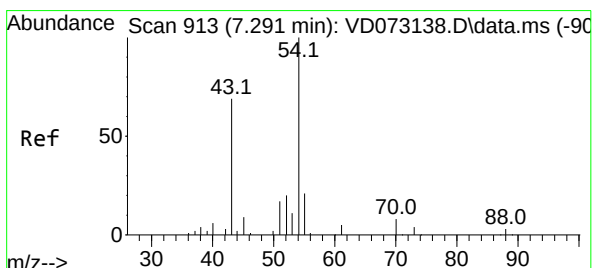
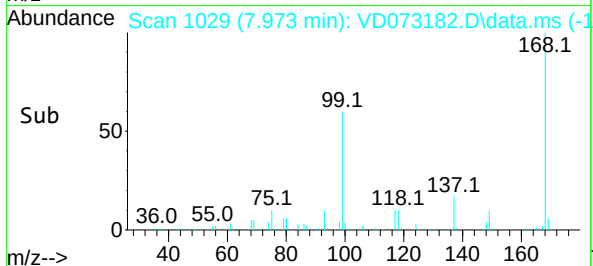
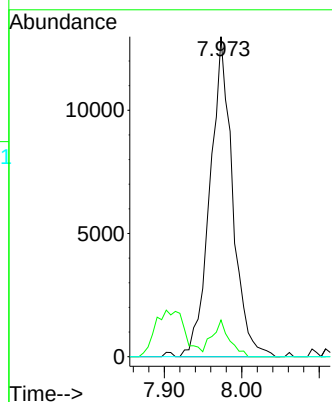
Tgt Ion: 75 Resp: 26396

Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.161 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.100 min

Lab File: VD073182.D

Acq: 20 May 2022 13:26

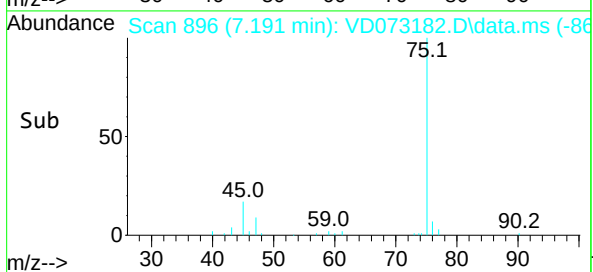
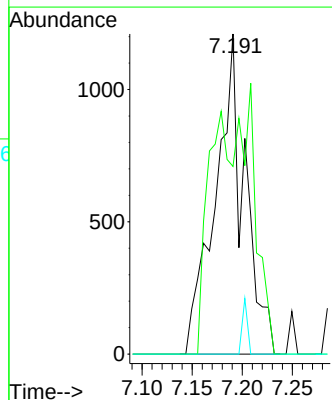
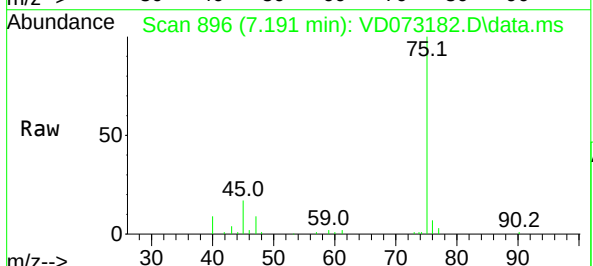
Tgt Ion: 43 Resp: 2458

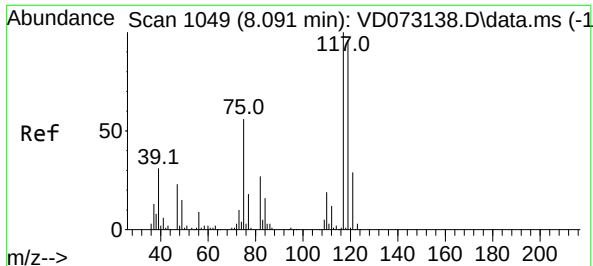
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 3.0 6.9 10.3#

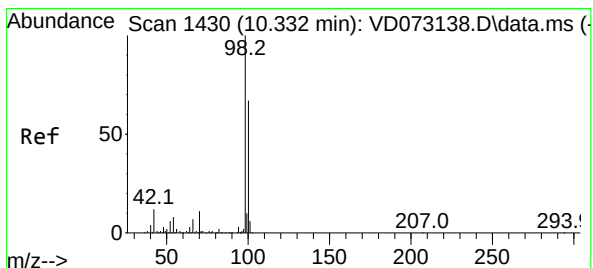
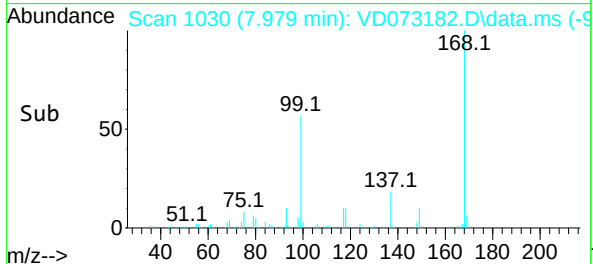
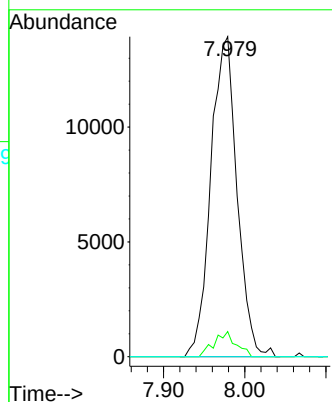
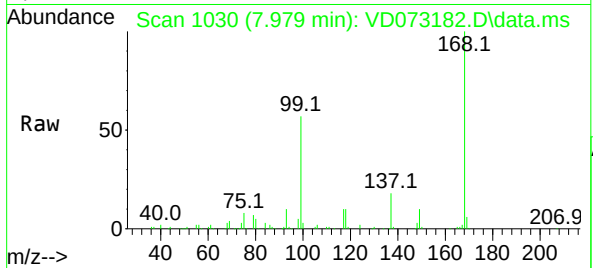




#38
Carbon Tetrachloride
Concen: 5.759 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD073182.D
Acq: 20 May 2022 13:26

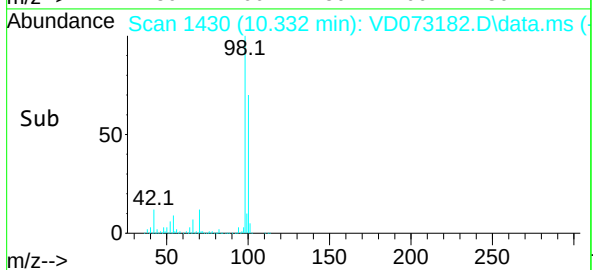
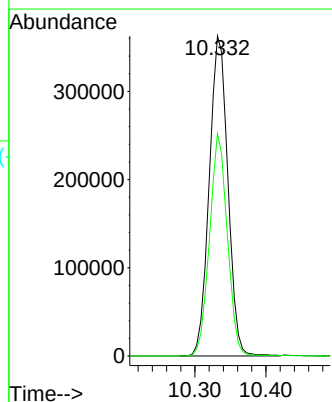
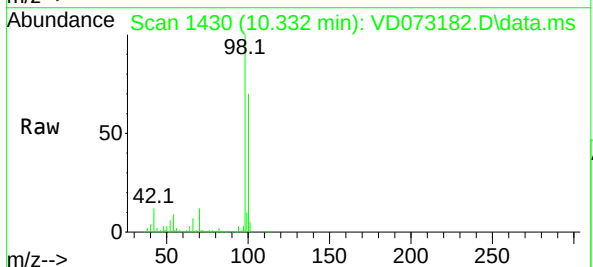
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-1218-01

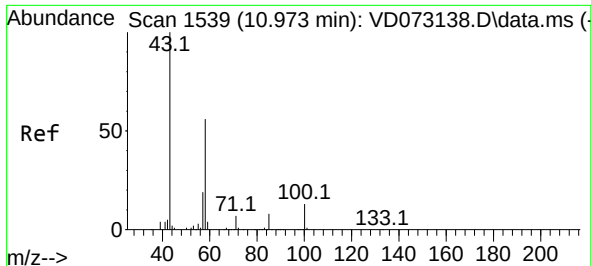
Tgt Ion:117 Resp: 31294
Ion Ratio Lower Upper
117 100
119 7.9 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.229 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073182.D
Acq: 20 May 2022 13:26

Tgt Ion: 98 Resp: 659981
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6

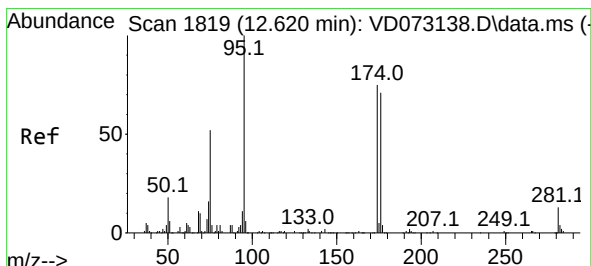
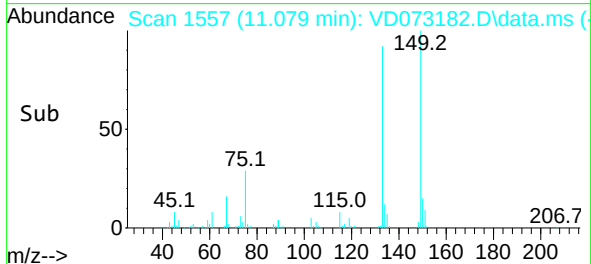
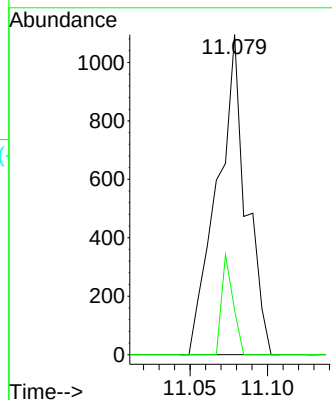
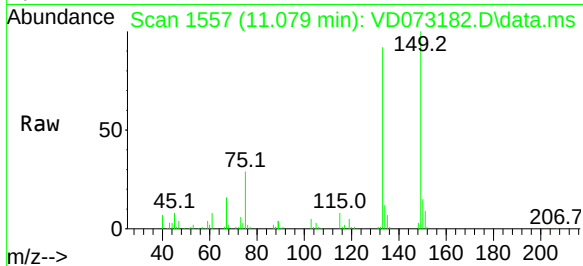




#59
2-Hexanone
Concen: 1.059 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073182.D
Acq: 20 May 2022 13:26

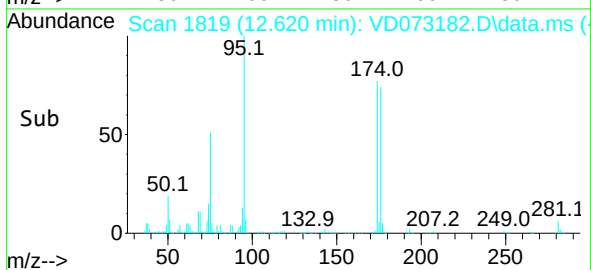
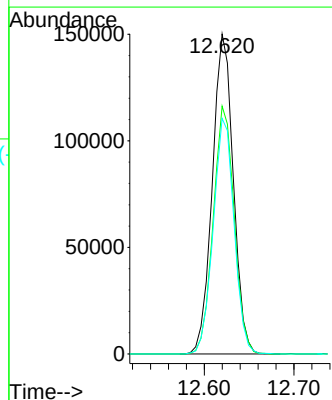
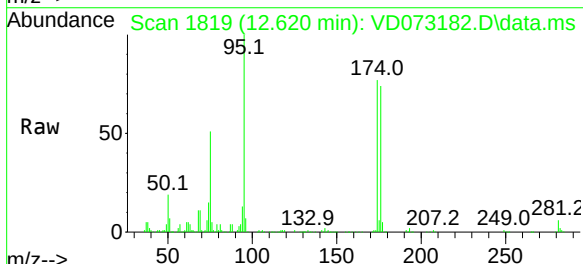
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-1218-01

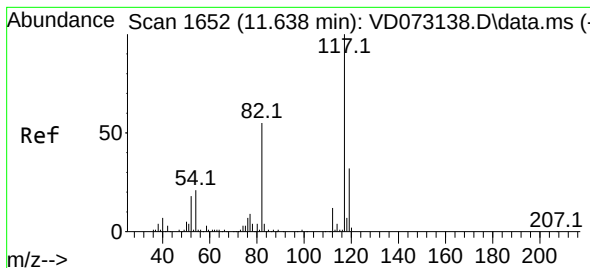
Tgt Ion: 43 Resp: 1419
Ion Ratio Lower Upper
43 100
58 12.3 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 52.772 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073182.D
Acq: 20 May 2022 13:26

Tgt Ion: 95 Resp: 243340
Ion Ratio Lower Upper
95 100
174 77.5 0.0 152.8
176 73.3 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073182.D

Acq: 20 May 2022 13:26

Instrument :

MSVOA_D

ClientSampleId :

P025-SS001-1218-01

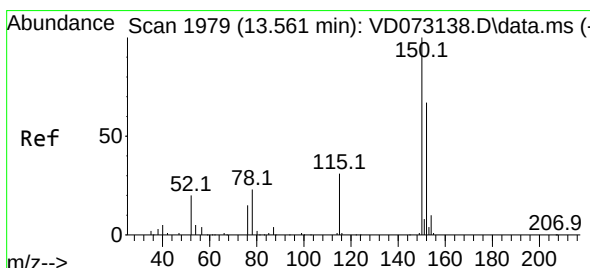
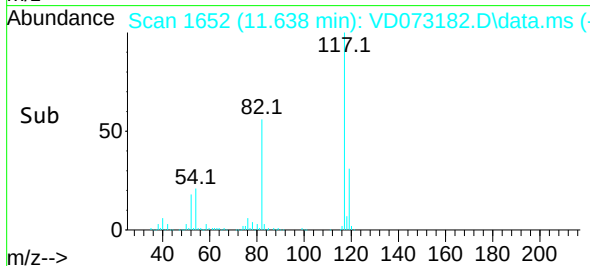
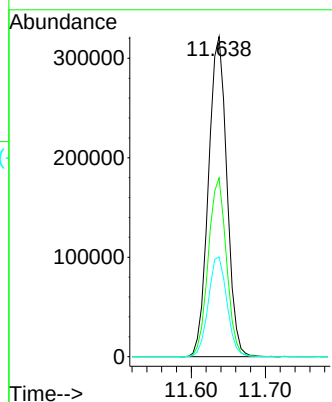
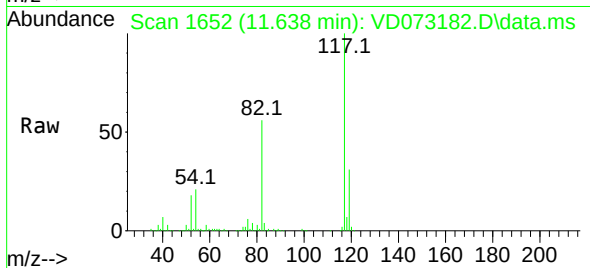
Tgt Ion:117 Resp: 555795

Ion Ratio Lower Upper

117 100

82 55.9 45.3 67.9

119 31.2 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD073182.D

Acq: 20 May 2022 13:26

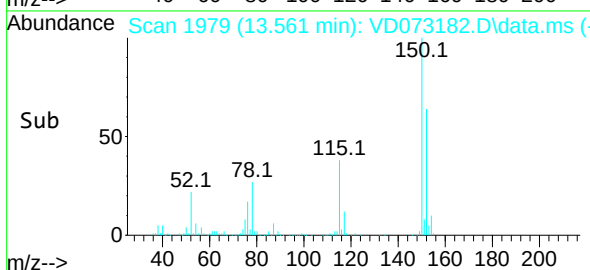
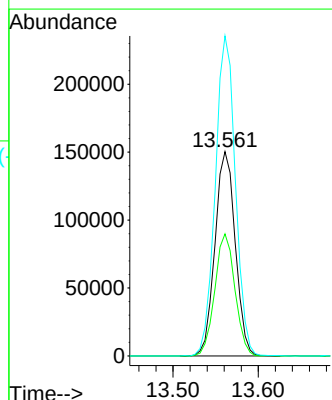
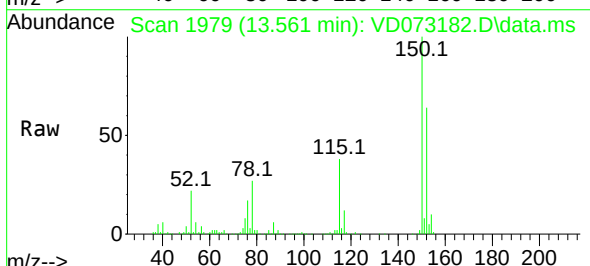
Tgt Ion:152 Resp: 248579

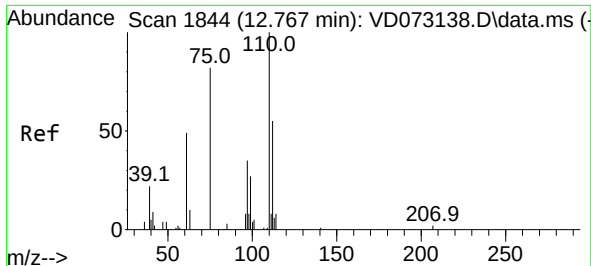
Ion Ratio Lower Upper

152 100

115 59.4 31.3 93.8

150 155.5 0.0 348.6

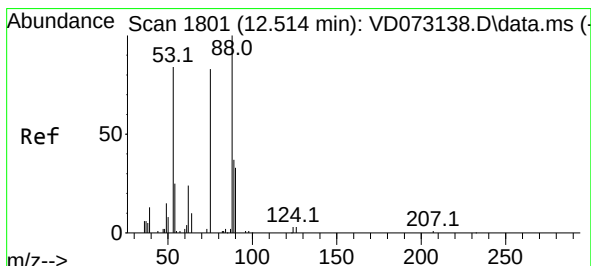
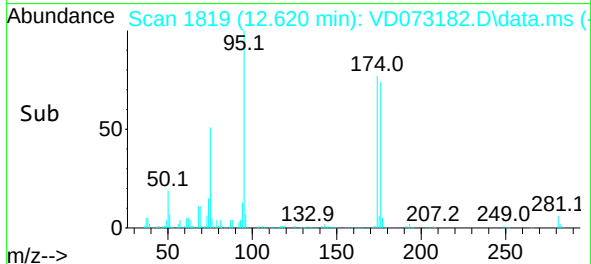
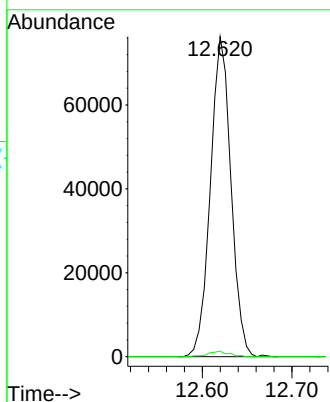
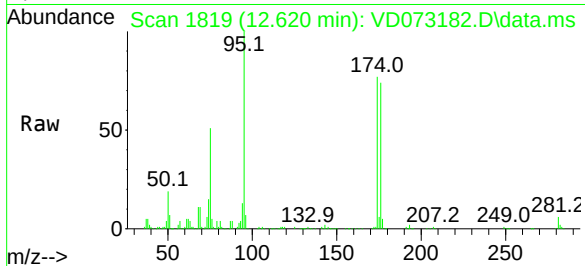




#76
1,2,3-Trichloropropane
Concen: 49.761 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073182.D
Acq: 20 May 2022 13:26

Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-1218-01

Tgt Ion: 75 Resp: 121366
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.460 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073182.D
Acq: 20 May 2022 13:26

Tgt Ion: 75 Resp: 121366
Ion Ratio Lower Upper
75 100
53 0.9 86.5 129.7#
89 0.0 33.9 50.9#

