

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073287.D
 Acq On : 23 May 2022 17:13
 Operator : VA/SY
 Sample : N2940-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-1-051922

Quant Time: May 24 03:27:54 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)

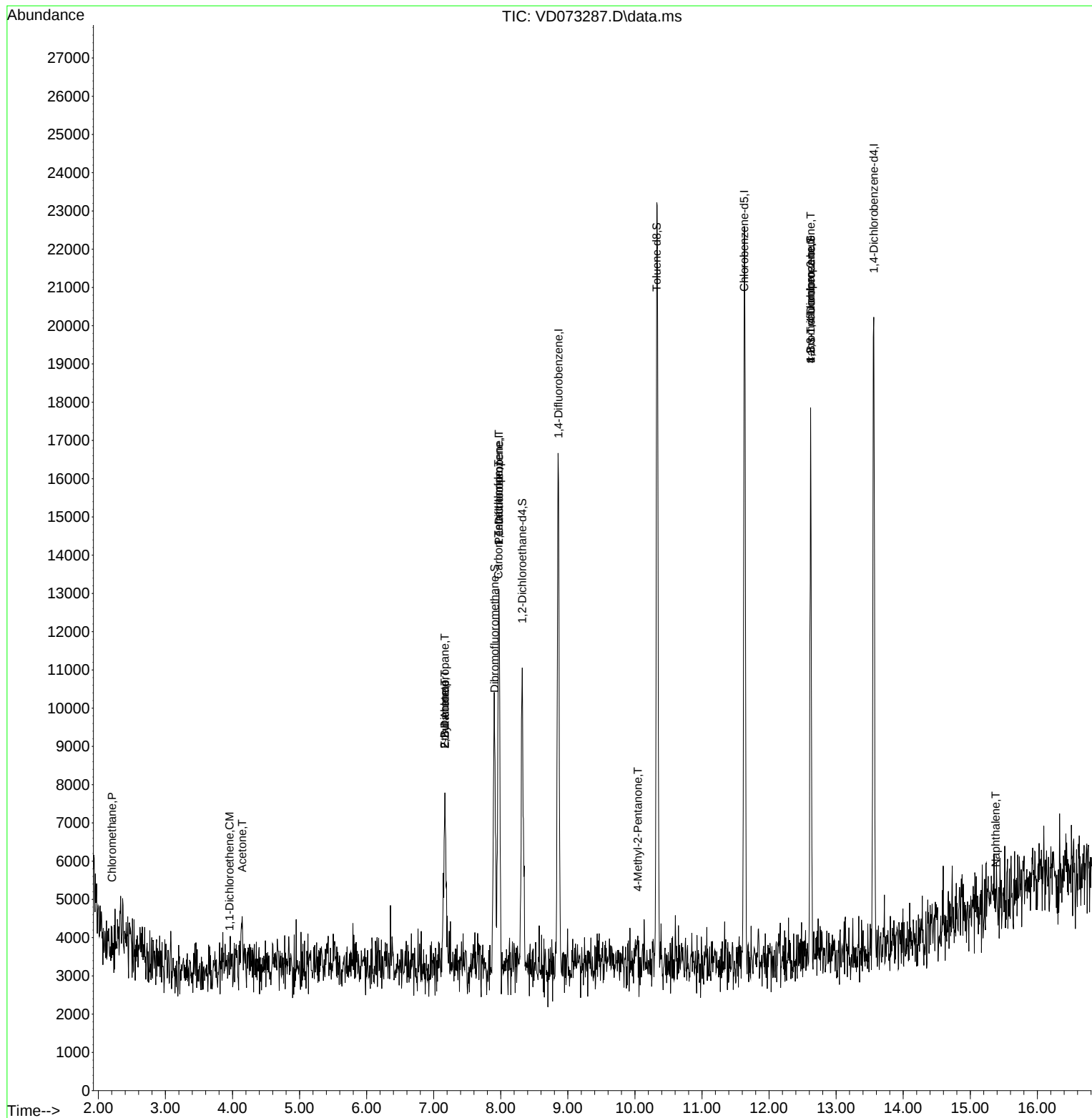
Internal Standards						
1) Pentafluorobenzene	7.973	168	7611	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	12293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	11602	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	4616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	6124	72.807	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 145.620%		
35) Dibromofluoromethane	7.908	113	5669	69.886	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 139.780%		
50) Toluene-d8	10.326	98	14578	48.753	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 97.500%		
62) 4-Bromofluorobenzene	12.620	95	5337	50.859	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 101.720%		
Target Compounds						
						Qvalue
3) Chloromethane	2.203	50	134	1.558	ug/l #	40
5) Bromomethane	2.797	94	145	Below Cal	#	77
12) 1,1-Dichloroethene	3.956	96	137	1.791	ug/l #	1
16) Acetone	4.144	43	1750	120.117	ug/l #	82
20) Methylene Chloride	4.944	84	142	Below Cal	#	2
25) 2-Butanone	7.167	43	146	6.850	ug/l #	52
26) 2,2-Dichloropropane	7.167	77	168	1.186	ug/l #	54
36) 1,1-Dichloropropene	7.973	75	381	3.123	ug/l #	43
37) Ethyl Acetate	7.167	43	146	3.030	ug/l #	72
38) Carbon Tetrachloride	7.967	117	795	6.429	ug/l #	13
51) 4-Methyl-2-Pentanone	10.044	43	57	1.232	ug/l #	39
76) 1,2,3-Trichloropropane	12.620	75	2377	52.483	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	2377	125.995	ug/l #	7
95) Naphthalene	15.379	128	169	4.581	ug/l #	70

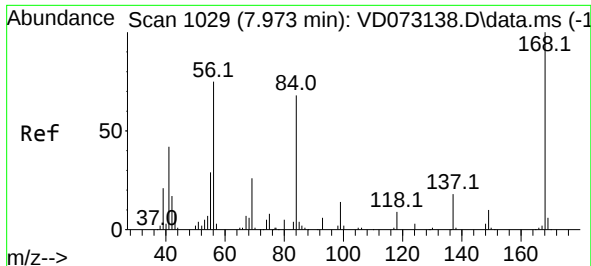
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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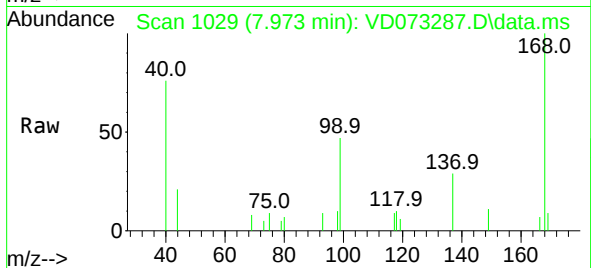
Quant Time: May 24 03:27:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration



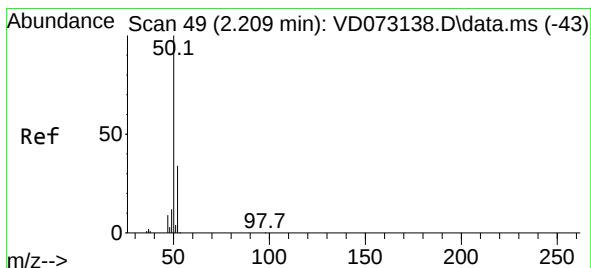
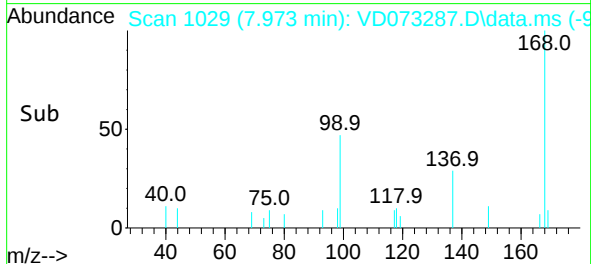
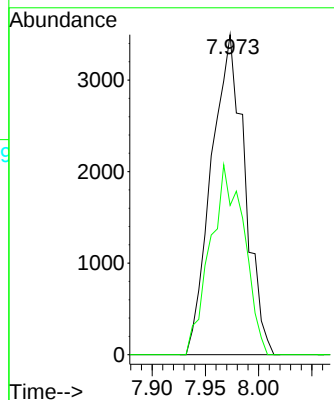


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

Instrument :
MSVOA_D
ClientSampleId :
CL-1-051922

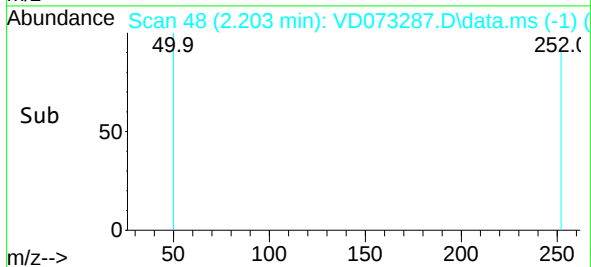
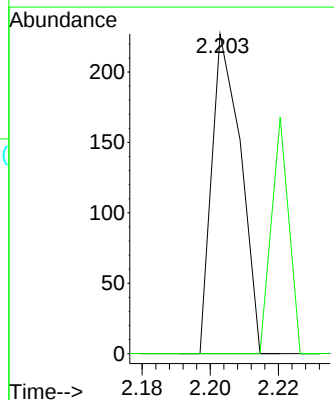
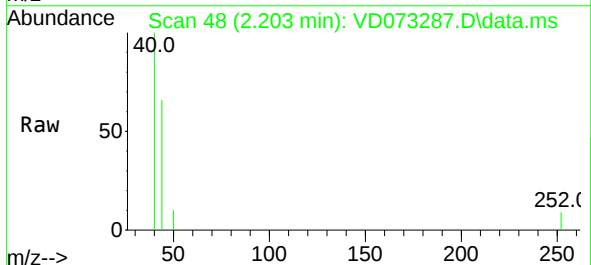


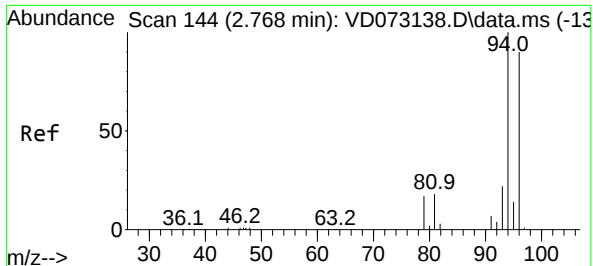
Tgt Ion:168 Resp: 7611
Ion Ratio Lower Upper
168 100
99 46.7 49.8 74.6#



#3
Chloromethane
Concen: 1.558 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

Tgt Ion: 50 Resp: 134
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

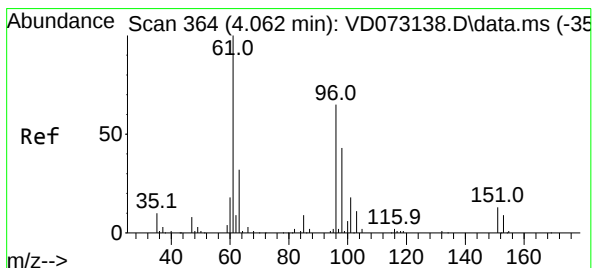
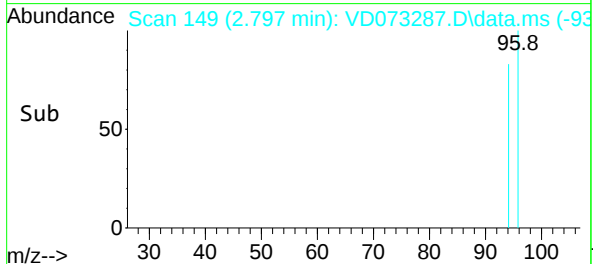
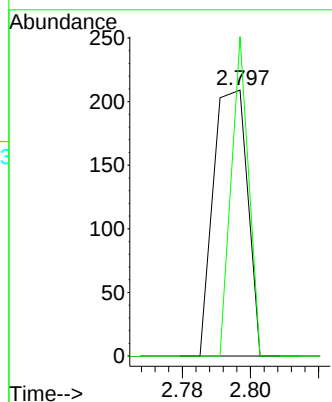
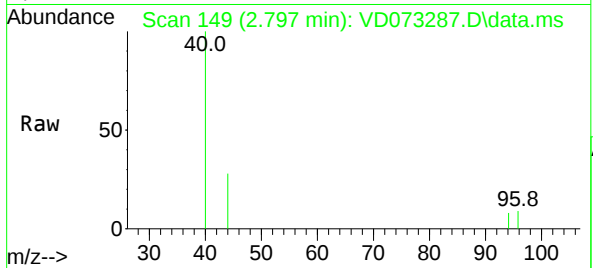




#5
Bromomethane
Concen: Below Cal
RT: 2.797 min Scan# 144
Delta R.T. 0.029 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

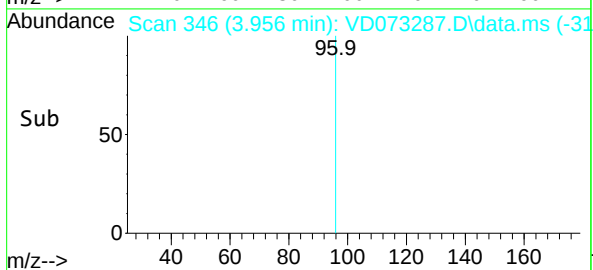
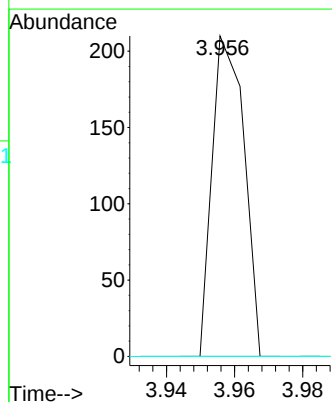
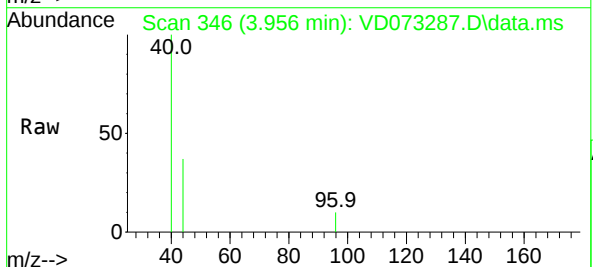
Instrument :
MSVOA_D
ClientSampleId :
CL-1-051922

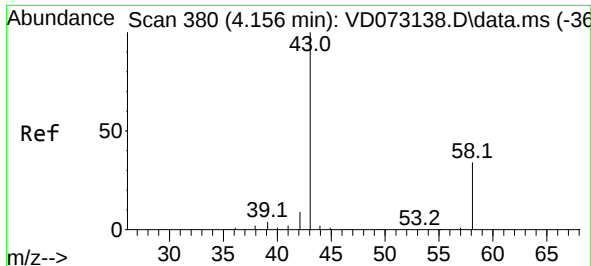
Tgt Ion: 94 Resp: 145
Ion Ratio Lower Upper
94 100
96 120.1 77.6 116.4#



#12
1,1-Dichloroethene
Concen: 1.791 ug/l
RT: 3.956 min Scan# 346
Delta R.T. -0.106 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

Tgt Ion: 96 Resp: 137
Ion Ratio Lower Upper
96 100
61 0.0 138.5 207.7#
98 0.0 48.6 73.0#

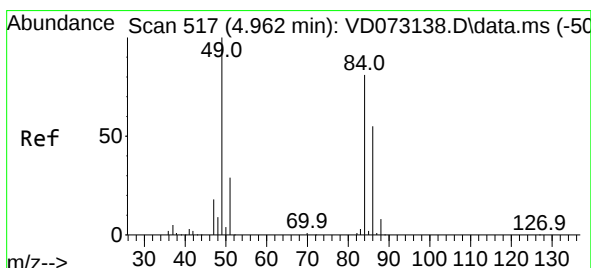
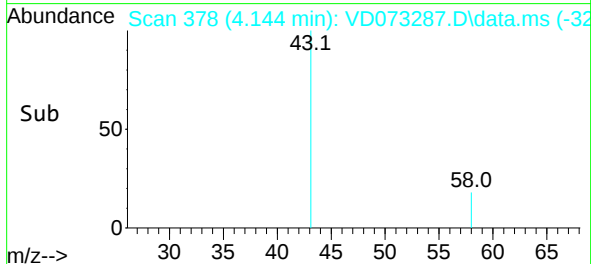
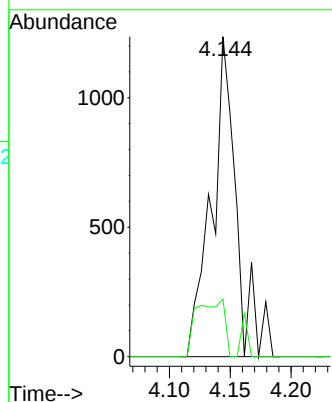
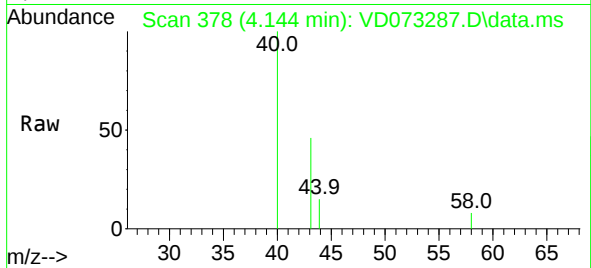




#16
Acetone
Concen: 120.117 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

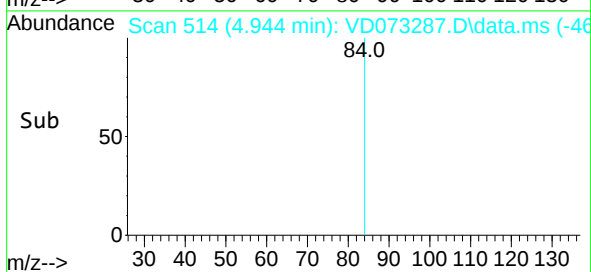
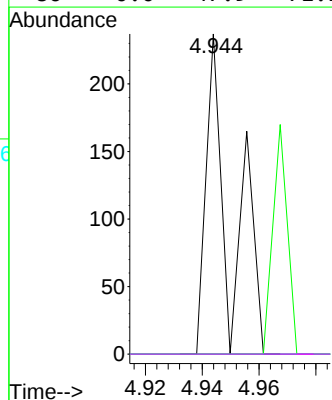
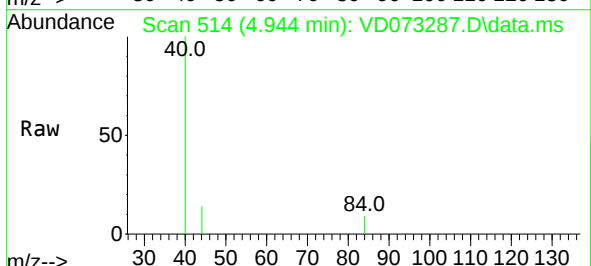
Instrument :
MSVOA_D
ClientSampleId :
CL-1-051922

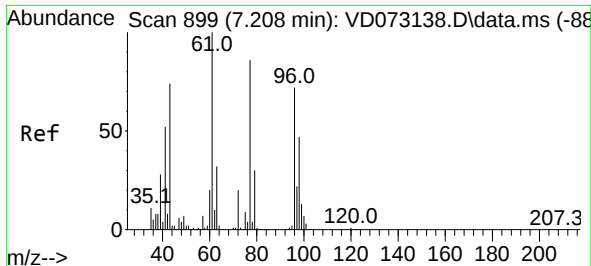
Tgt Ion: 43 Resp: 1750
Ion Ratio Lower Upper
43 100
58 18.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. -0.018 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

Tgt Ion: 84 Resp: 142
Ion Ratio Lower Upper
84 100
49 0.0 112.8 169.2#
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#

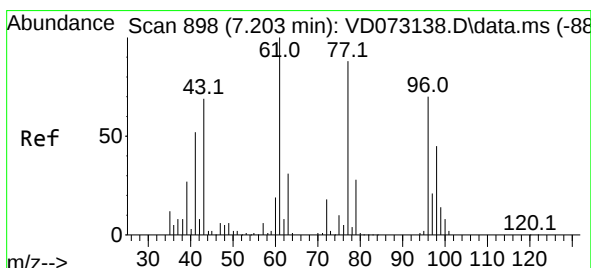
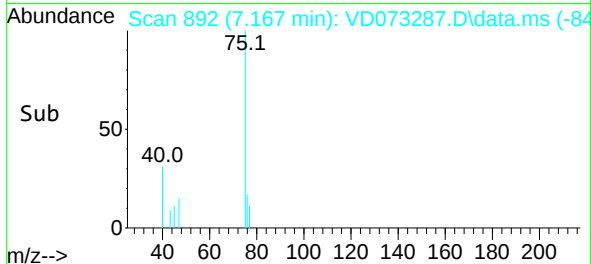
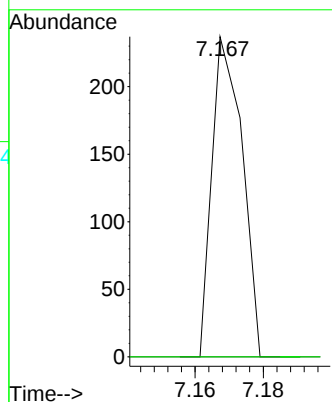
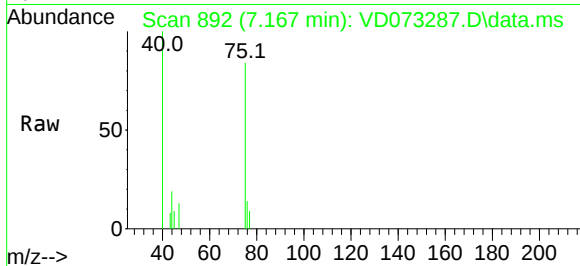




#25
2-Butanone
Concen: 6.850 ug/l
RT: 7.167 min Scan# 891
Delta R.T. -0.041 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

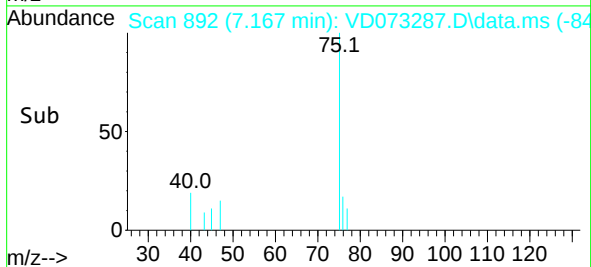
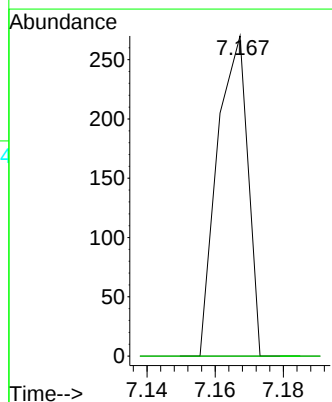
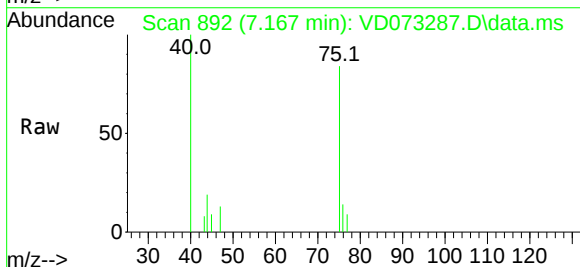
Instrument :
MSVOA_D
ClientSampleId :
CL-1-051922

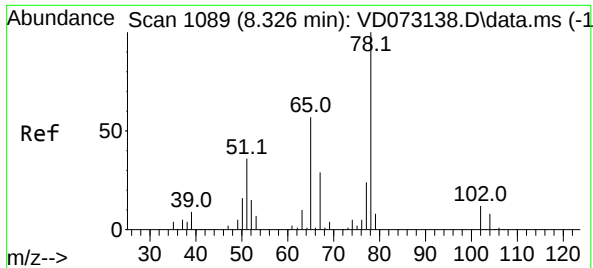
Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#26
2,2-Dichloropropane
Concen: 1.186 ug/l
RT: 7.167 min Scan# 892
Delta R.T. -0.036 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

Tgt Ion: 77 Resp: 168
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#





#33

1,2-Dichloroethane-d4

Concen: 72.807 ug/l

RT: 8.320 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD073287.D

Acq: 23 May 2022 17:13

Instrument :

MSVOA_D

ClientSampleId :

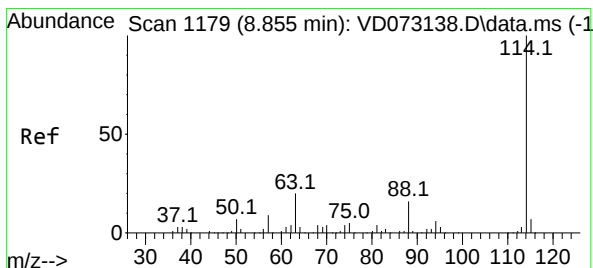
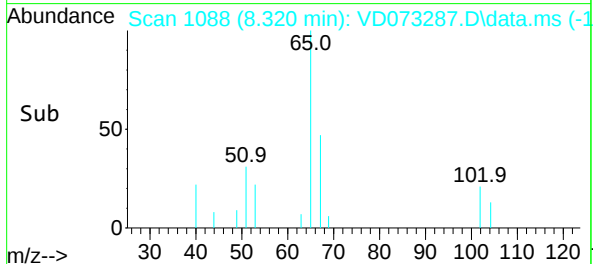
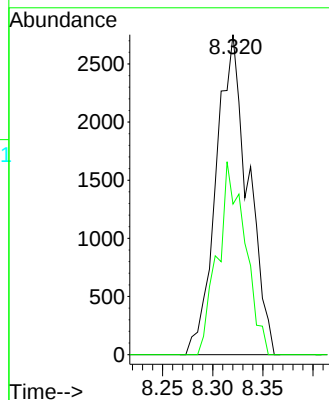
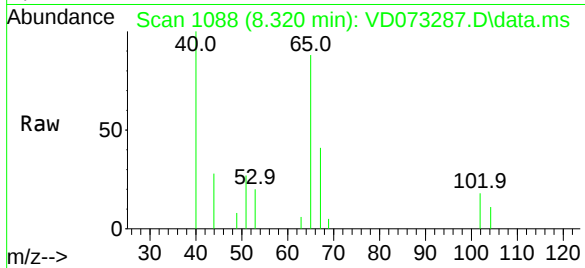
CL-1-051922

Tgt Ion: 65 Resp: 6124

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073287.D

Acq: 23 May 2022 17:13

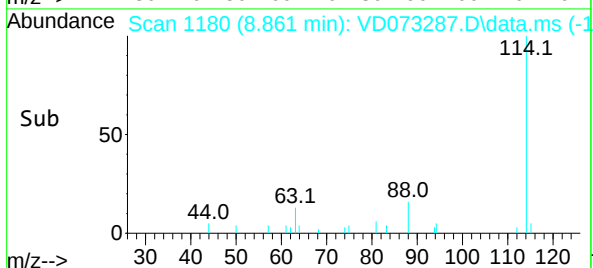
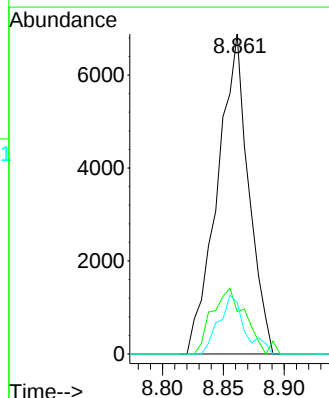
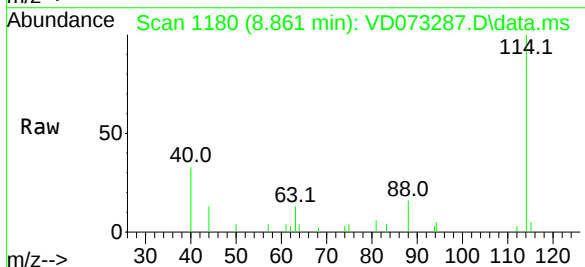
Tgt Ion: 114 Resp: 12293

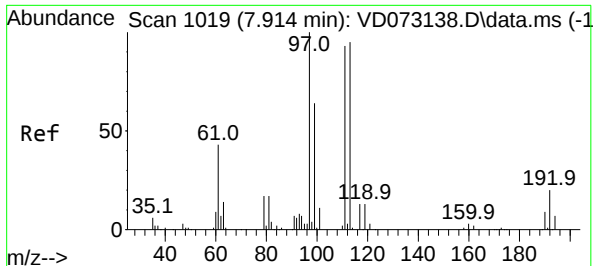
Ion Ratio Lower Upper

114 100

63 13.2 0.0 46.6

88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 69.886 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073287.D

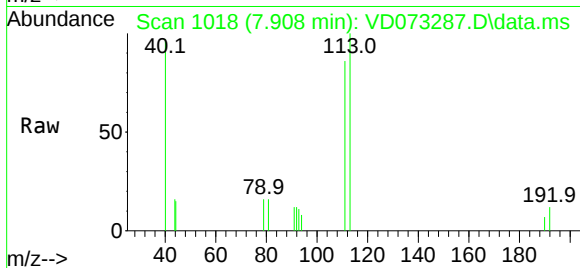
Acq: 23 May 2022 17:13

Instrument :

MSVOA_D

ClientSampleId :

CL-1-051922



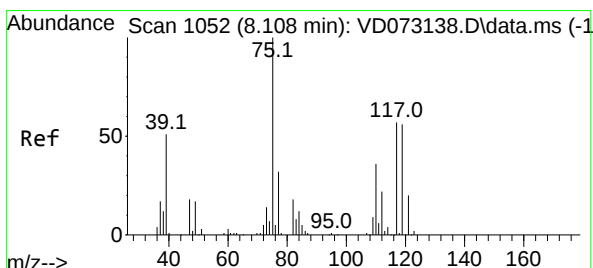
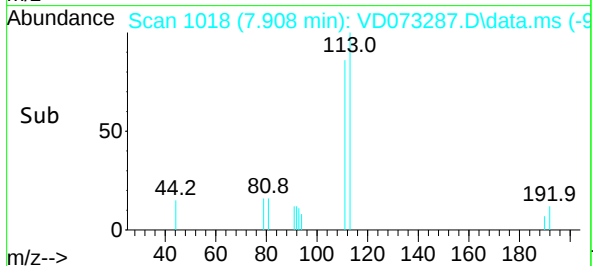
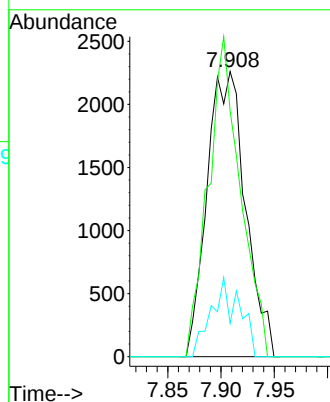
Tgt Ion:113 Resp: 5669

Ion Ratio Lower Upper

113 100

111 93.5 83.8 125.6

192 20.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 3.123 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073287.D

Acq: 23 May 2022 17:13

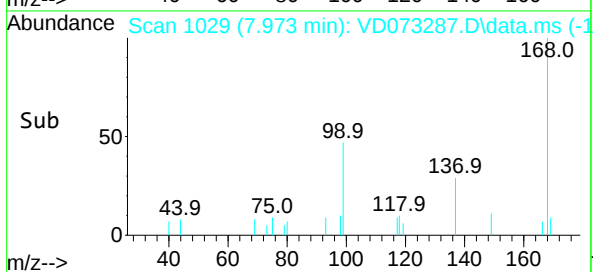
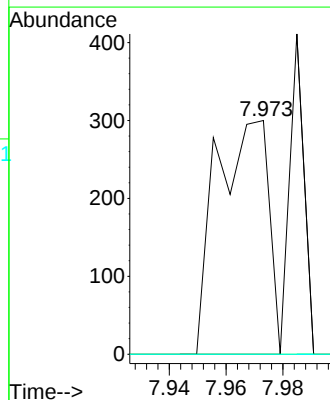
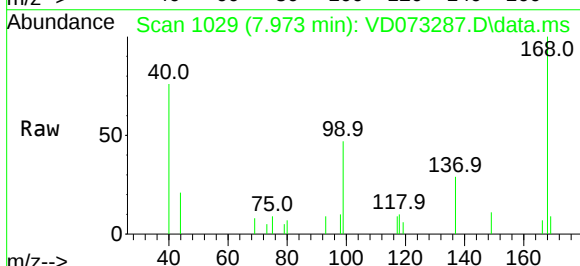
Tgt Ion: 75 Resp: 381

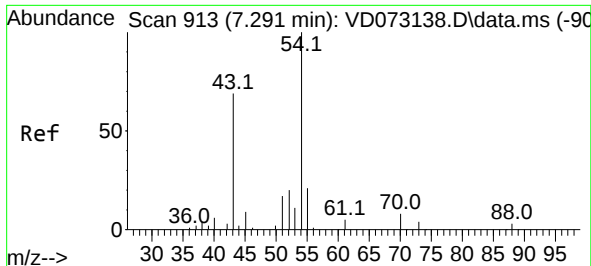
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 3.030 ug/l

RT: 7.167 min Scan# 89

Delta R.T. -0.124 min

Lab File: VD073287.D

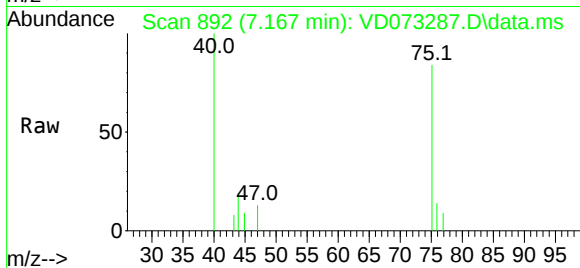
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Instrument :

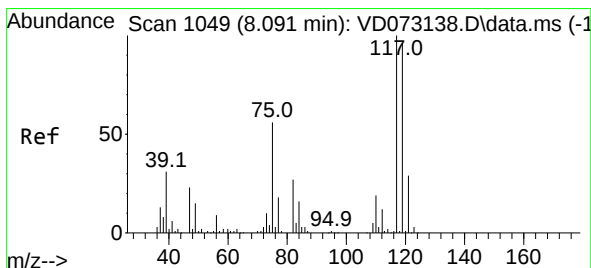
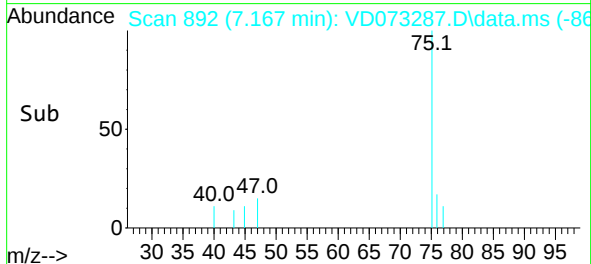
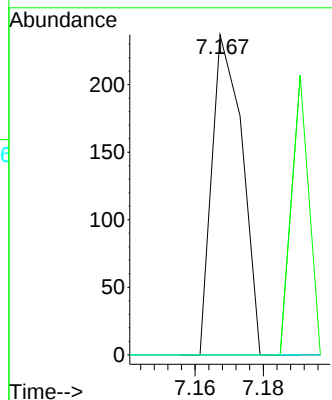
MSVOA_D

ClientSampleId :

CL-1-051922



Tgt Ion: 43	Resp:	146
Ion	Ratio	Lower Upper
43	100	
61	0.0	9.8 14.8#
70	0.0	6.9 10.3#



#38

Carbon Tetrachloride

Concen: 6.429 ug/l

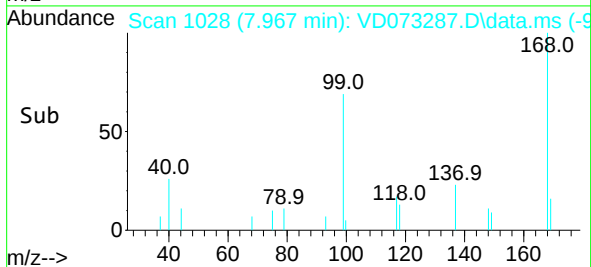
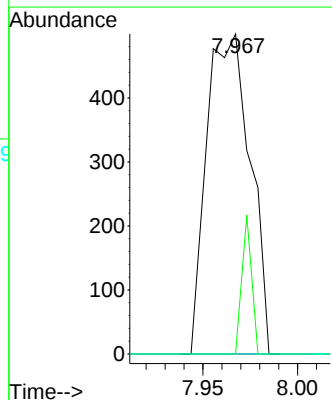
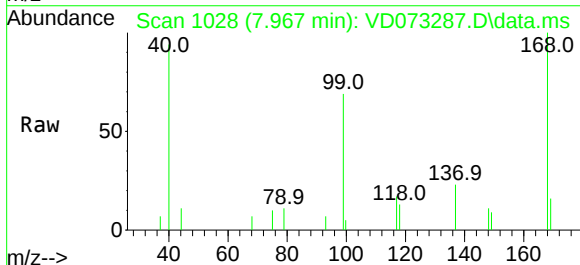
RT: 7.967 min Scan# 1028

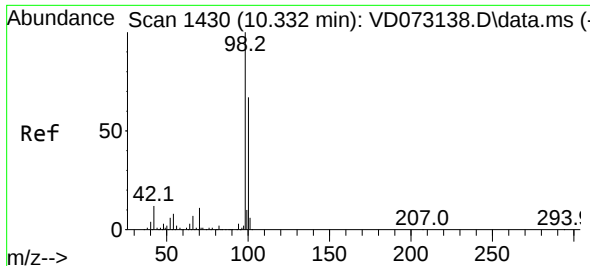
Delta R.T. -0.124 min

Lab File: VD073287.D

Acq: 23 May 2022 17:13

Tgt Ion: 117	Resp:	795
Ion	Ratio	Lower Upper
117	100	
119	0.0	75.8 113.6#
121	0.0	24.5 36.7#

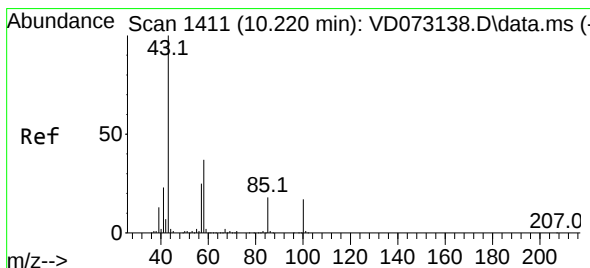
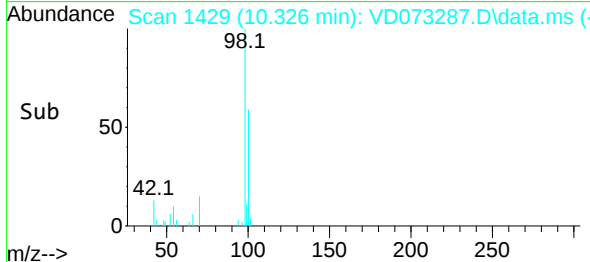
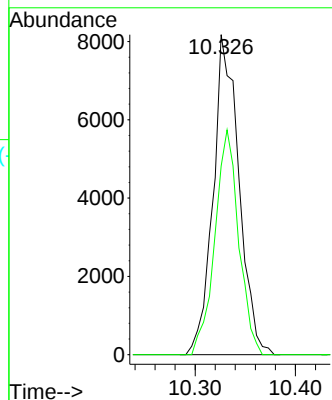
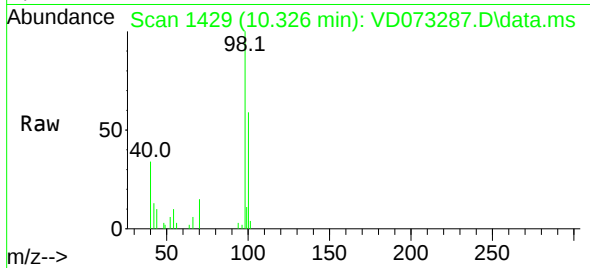




#50
Toluene-d8
Concen: 48.753 ug/l
RT: 10.326 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

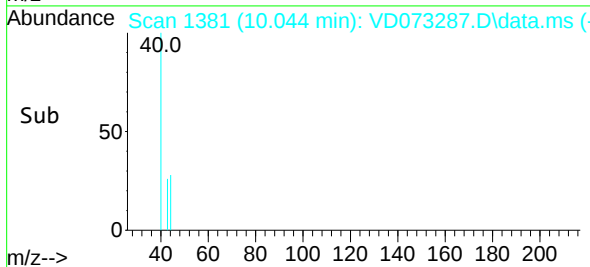
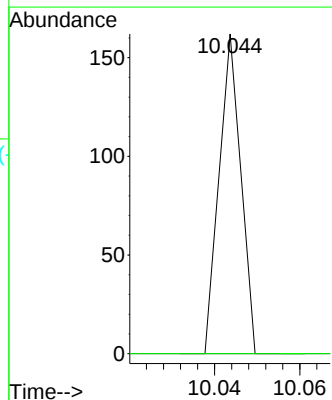
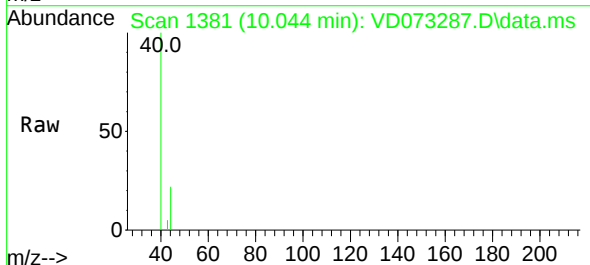
Instrument :
MSVOA_D
ClientSampleId :
CL-1-051922

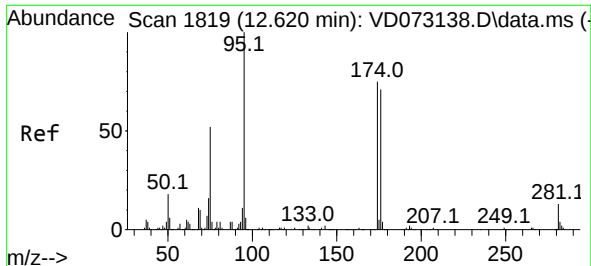
Tgt Ion: 98 Resp: 14578
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.232 ug/l
RT: 10.044 min Scan# 1381
Delta R.T. -0.176 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

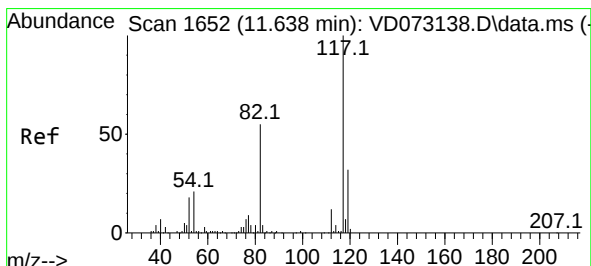
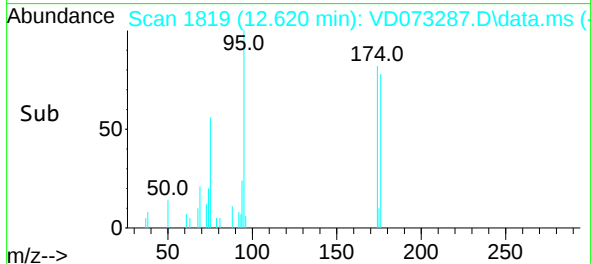
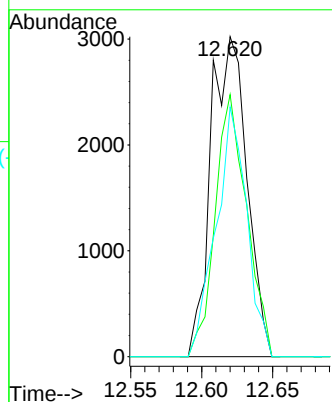
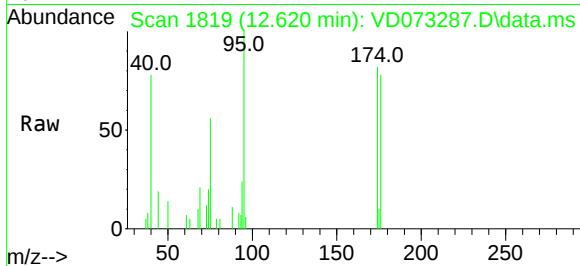




#62
4-Bromofluorobenzene
Concen: 50.859 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

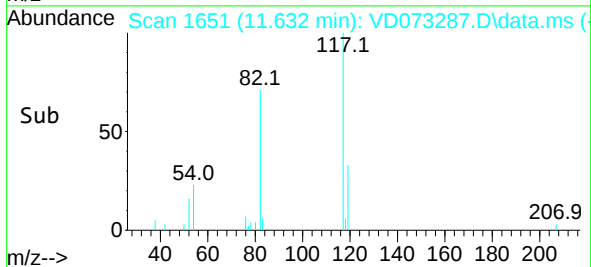
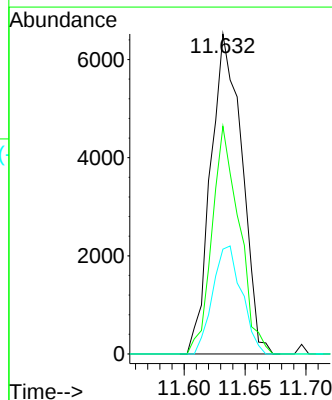
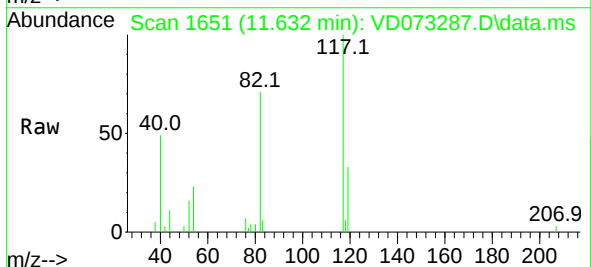
Instrument :
MSVOA_D
ClientSampleId :
CL-1-051922

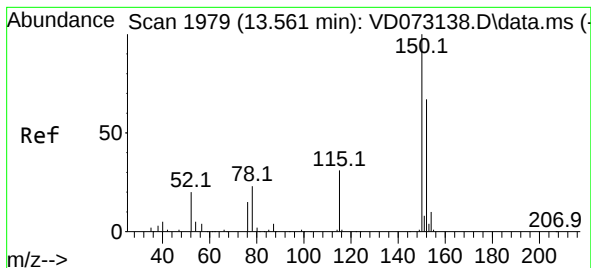
Tgt Ion:	95	Resp:	5337
Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	152.8
176	66.8	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

Tgt Ion:	117	Resp:	11602
Ion	Ratio	Lower	Upper
117	100		
82	71.2	45.3	67.9
119	32.8	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: VD073287.D

Acq: 23 May 2022 17:13

Instrument :

MSVOA_D

ClientSampleId :

CL-1-051922

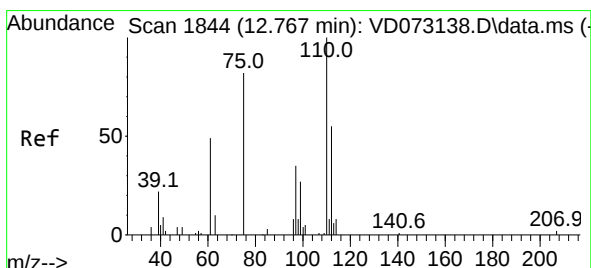
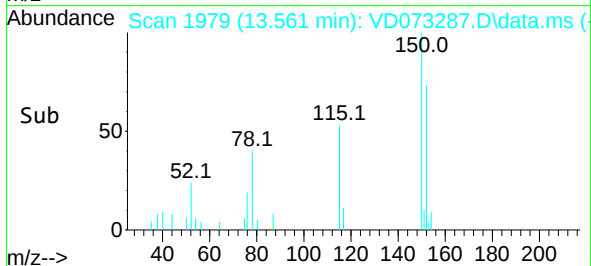
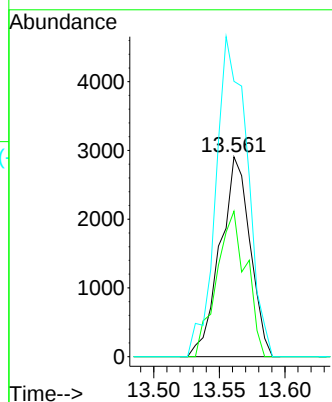
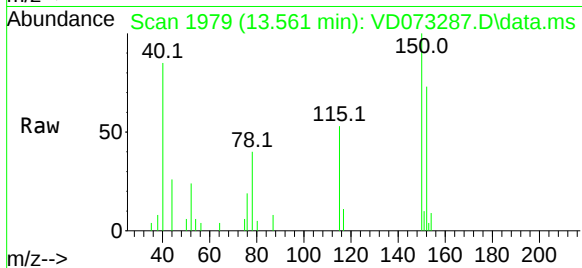
Tgt Ion:152 Resp: 4616

Ion Ratio Lower Upper

152 100

115 72.0 31.3 93.8

150 167.7 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 52.483 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073287.D

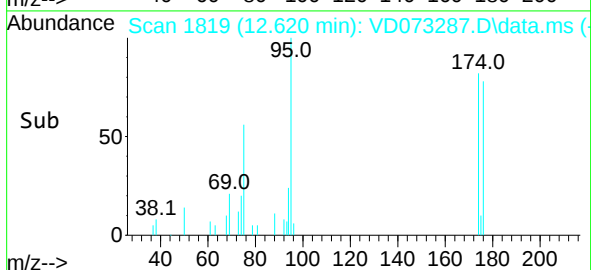
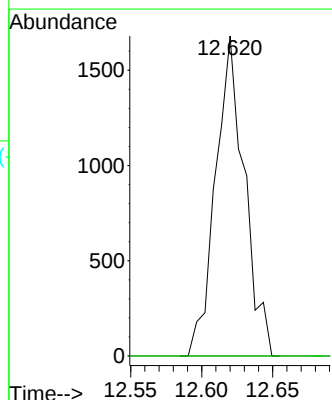
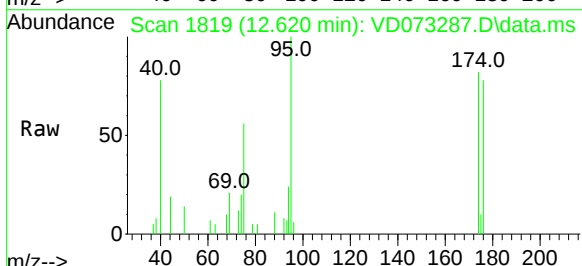
Acq: 23 May 2022 17:13

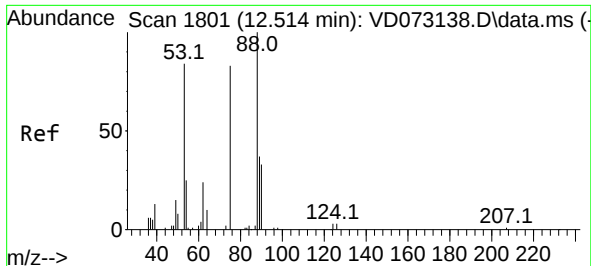
Tgt Ion: 75 Resp: 2377

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

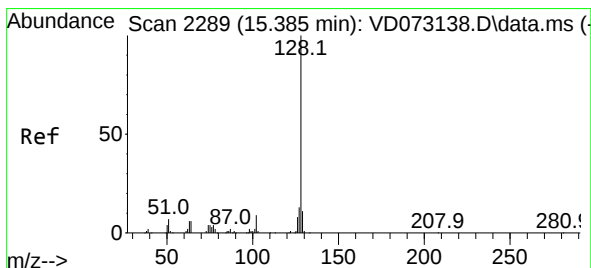
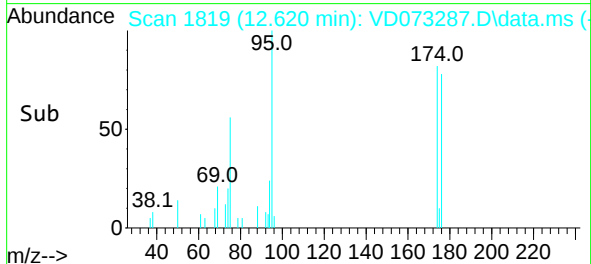
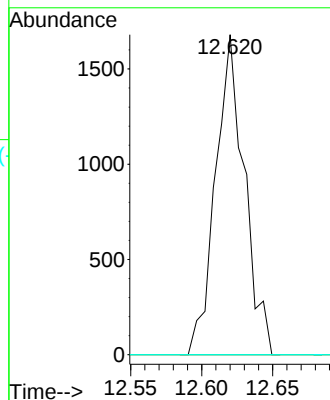
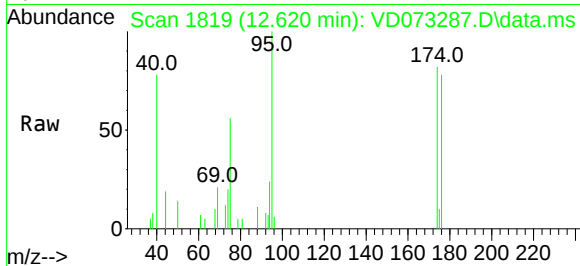




#81
trans-1,4-Dichloro-2-butene
Concen: 125.995 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

Instrument :
MSVOA_D
ClientSampleId :
CL-1-051922

Tgt Ion: 75 Resp: 2377
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.581 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073287.D
Acq: 23 May 2022 17:13

Tgt Ion: 128 Resp: 169
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

