

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073096.D
 Acq On : 18 May 2022 13:50
 Operator : VA/SY
 Sample : N2851-01
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-051322

Quant Time: May 18 16:30:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

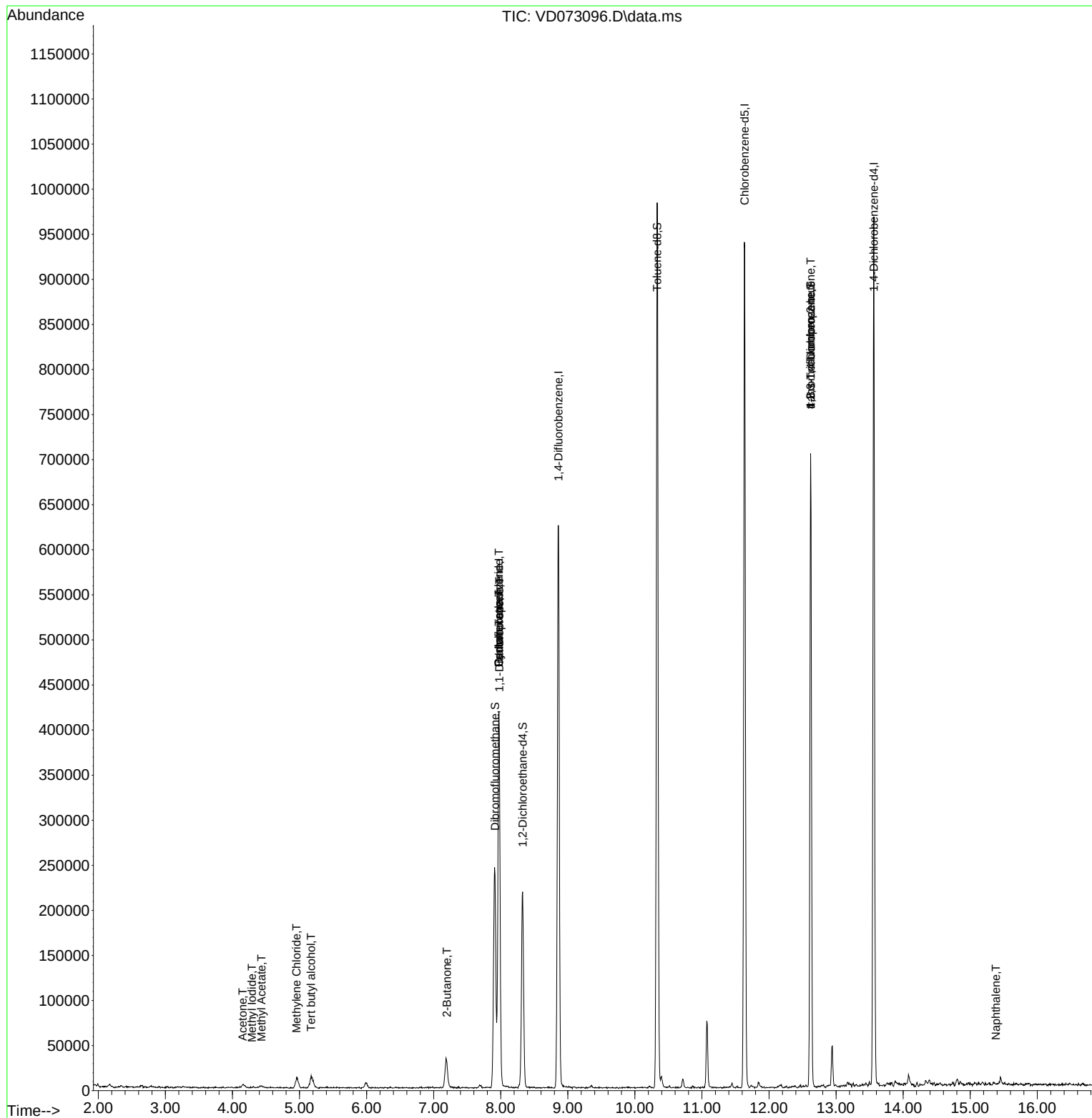
Internal Standards						
1) Pentafluorobenzene	7.973	168	300487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	535858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	544848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	242535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	169682	45.154	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.300%		
35) Dibromofluoromethane	7.914	113	179126	47.610	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.220%		
50) Toluene-d8	10.332	98	661826	48.489	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.980%		
62) 4-Bromofluorobenzene	12.620	95	232250	46.980	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.960%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	838	4.450	ug/l #	57
11) Tert butyl alcohol	5.173	59	11622	19.995	ug/l #	74
16) Acetone	4.150	43	7132	10.488	ug/l	98
18) Methyl Acetate	4.432	43	124	1.518	ug/l #	55
20) Methylene Chloride	4.956	84	8329	1.688	ug/l #	71
25) 2-Butanone	7.197	43	2208	2.144	ug/l #	52
31) Cyclohexane	7.973	56	8146	1.203	ug/l #	34
36) 1,1-Dichloropropene	7.979	75	25478	4.156	ug/l #	52
38) Carbon Tetrachloride	7.973	117	32138	5.124	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	118711	43.298	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	118711	103.819	ug/l #	7
95) Naphthalene	15.385	128	1665	4.421	ug/l #	74

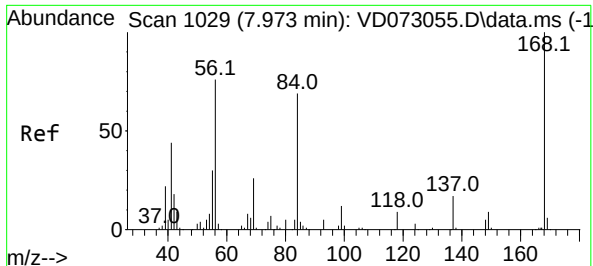
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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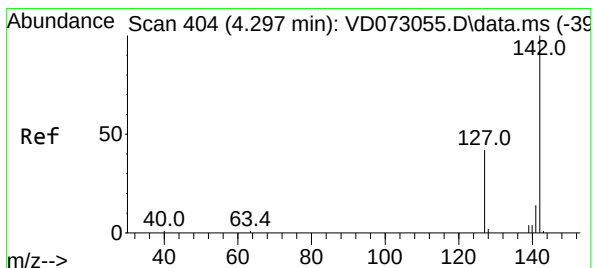
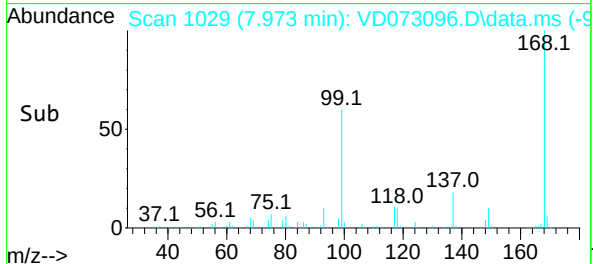
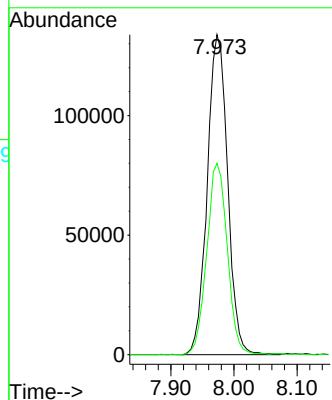
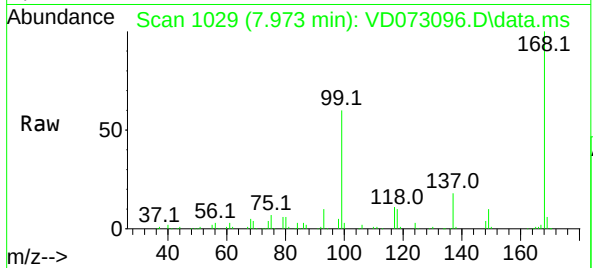




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073096.D
Acq: 18 May 2022 13:50

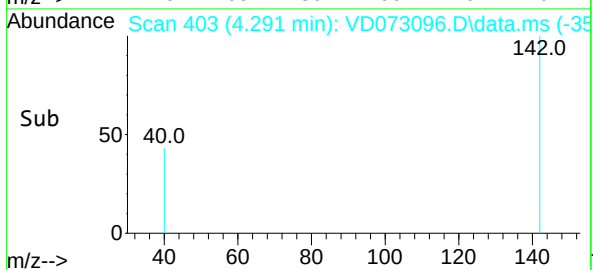
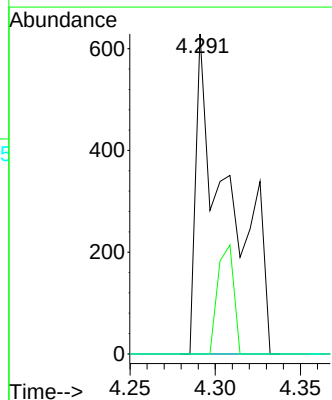
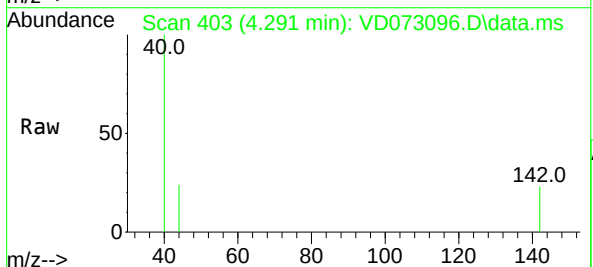
Instrument :
MSVOA_D
ClientSampleId :
OR-02-051322

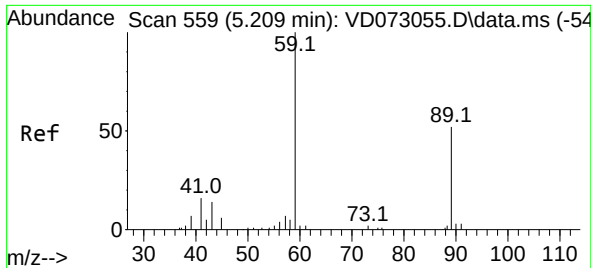
Tgt Ion:168 Resp: 300487
Ion Ratio Lower Upper
168 100
99 59.8 49.8 74.6



#10
Methyl Iodide
Concen: 4.450 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073096.D
Acq: 18 May 2022 13:50

Tgt Ion:142 Resp: 838
Ion Ratio Lower Upper
142 100
127 16.7 37.3 55.9#
141 0.0 11.7 17.5#

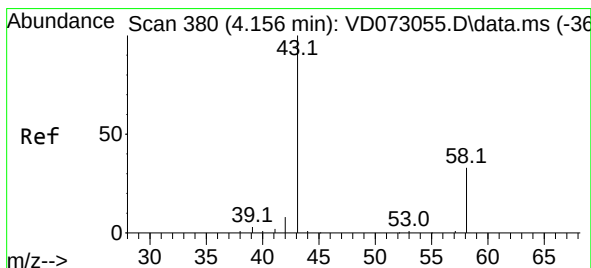
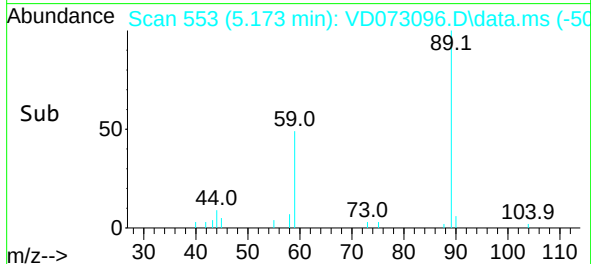
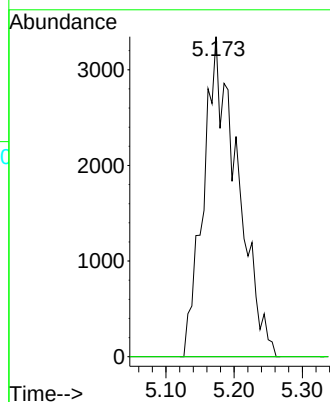
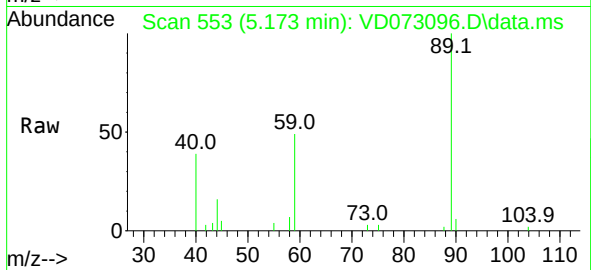




#11
Tert butyl alcohol
Concen: 19.995 ug/l
RT: 5.173 min Scan# 511
Delta R.T. -0.036 min
Lab File: VD073096.D
Acq: 18 May 2022 13:50

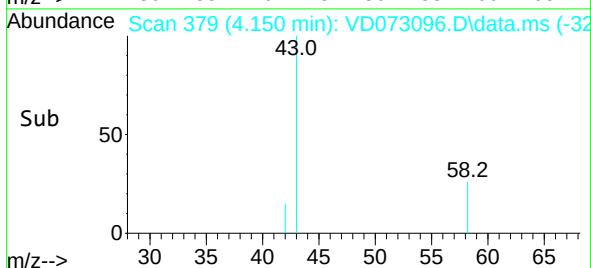
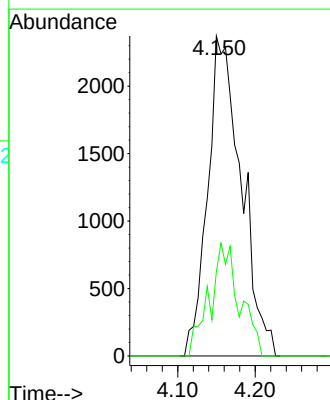
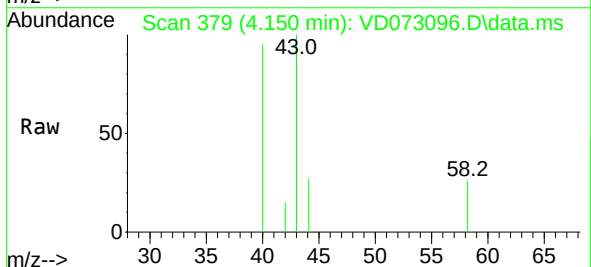
Instrument :
MSVOA_D
ClientSampleId :
OR-02-051322

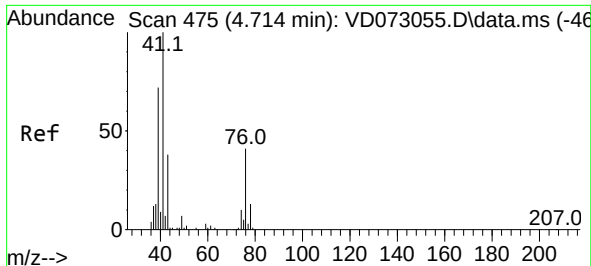
Tgt Ion: 59 Resp: 11622
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 10.488 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073096.D
Acq: 18 May 2022 13:50

Tgt Ion: 43 Resp: 7132
Ion Ratio Lower Upper
43 100
58 26.3 22.1 33.1

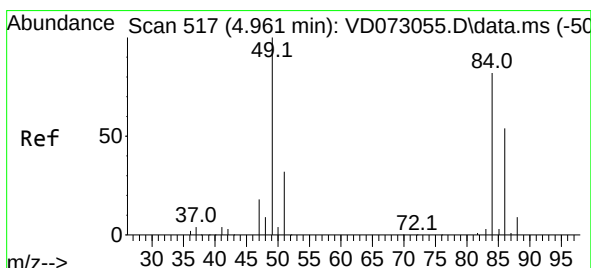
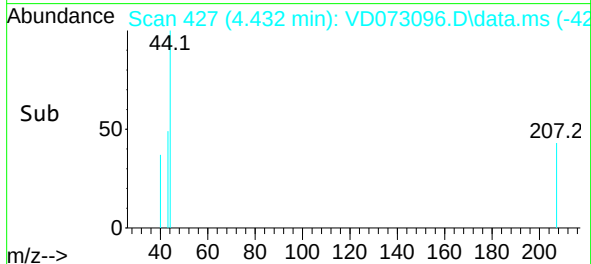
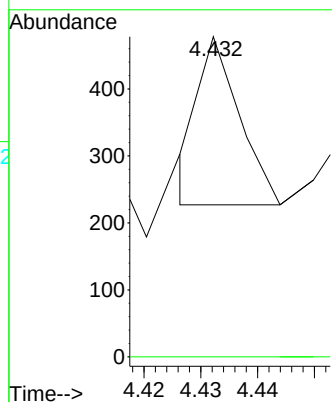
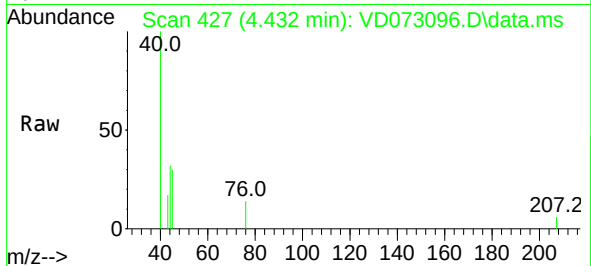




#18
Methyl Acetate
Concen: 1.518 ug/l
RT: 4.432 min Scan# 41
Delta R.T. -0.282 min
Lab File: VD073096.D
Acq: 18 May 2022 13:50

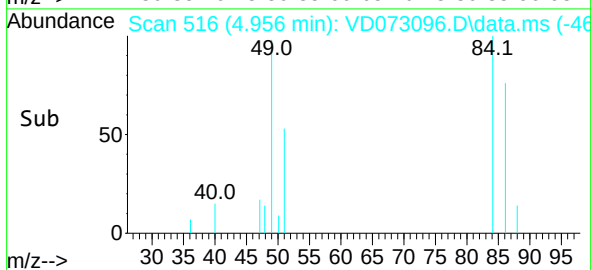
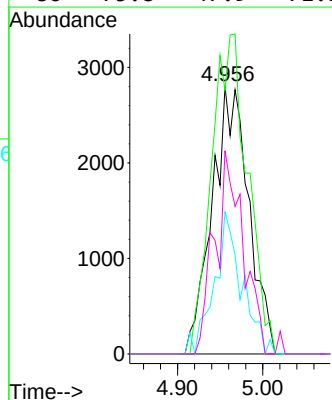
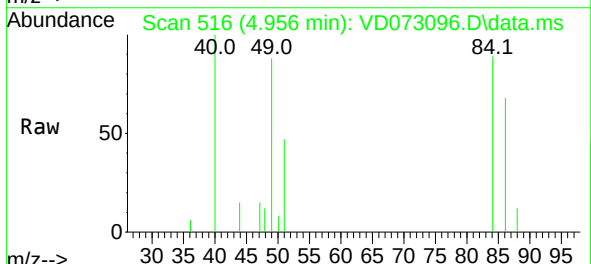
Instrument :
MSVOA_D
ClientSampleId :
OR-02-051322

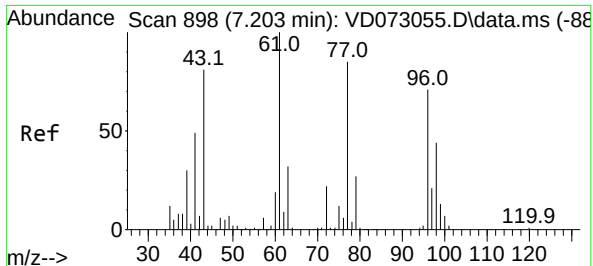
Tgt Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 1.688 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073096.D
Acq: 18 May 2022 13:50

Tgt Ion: 84 Resp: 8329
Ion Ratio Lower Upper
84 100
49 98.4 112.8 169.2#
51 53.0 32.6 48.8#
86 75.8 47.9 71.9#

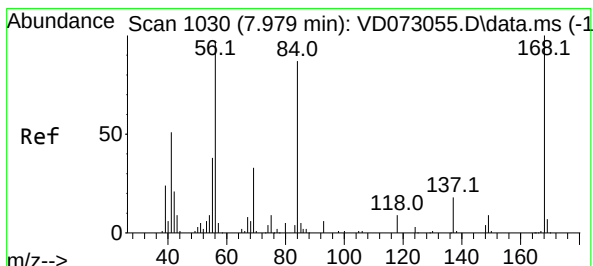
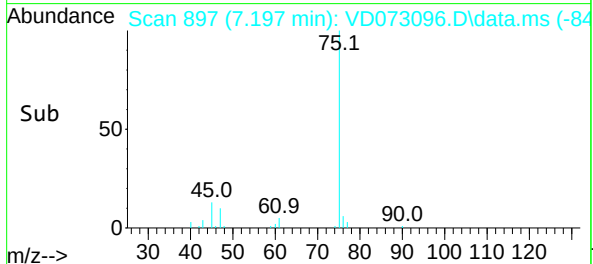
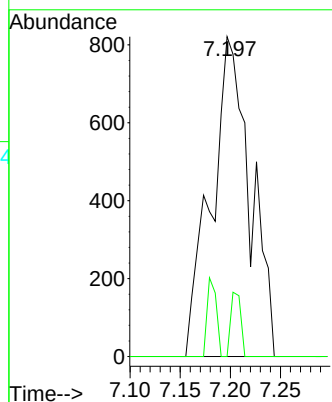
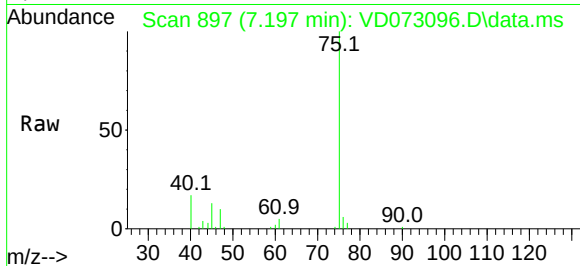




#25
2-Butanone
Concen: 2.144 ug/l
RT: 7.197 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD073096.D
Acq: 18 May 2022 13:50

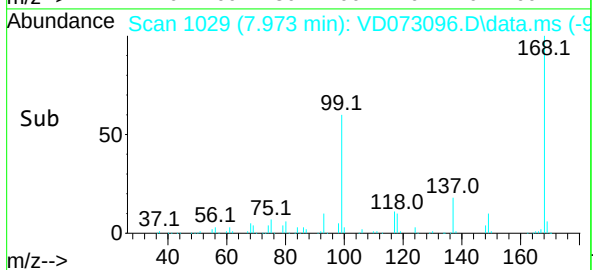
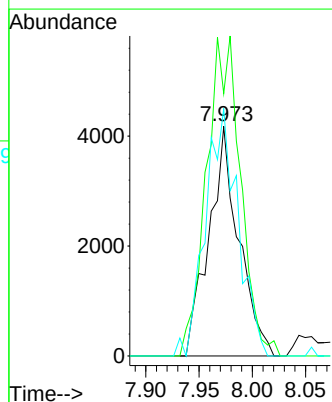
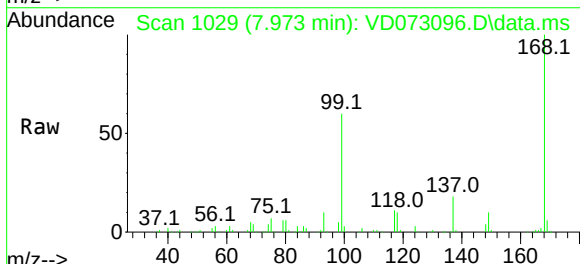
Instrument :
MSVOA_D
ClientSampleId :
OR-02-051322

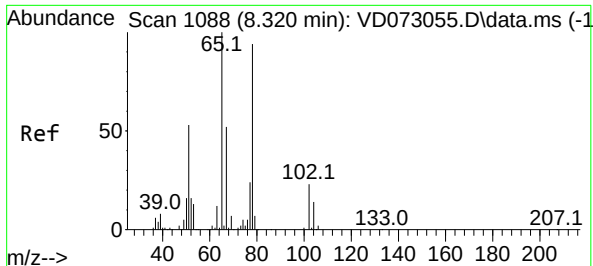
Tgt Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073096.D
Acq: 18 May 2022 13:50

Tgt Ion: 56 Resp: 8146
Ion Ratio Lower Upper
56 100
69 114.3 25.4 38.2#
84 107.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 45.154 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VD073096.D

Acq: 18 May 2022 13:50

Instrument :

MSVOA_D

ClientSampleId :

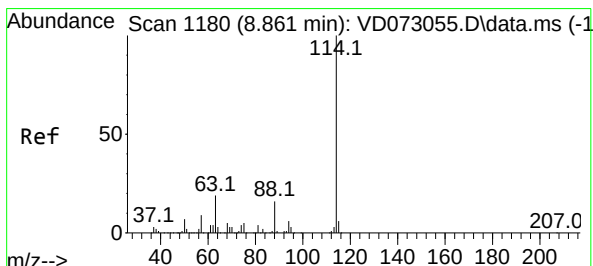
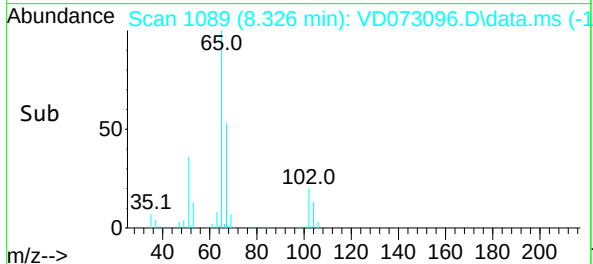
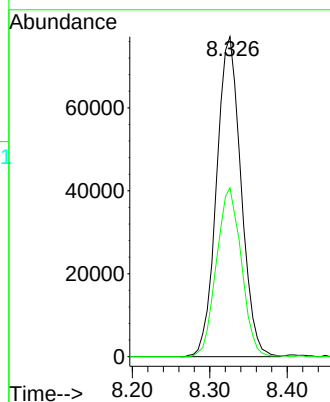
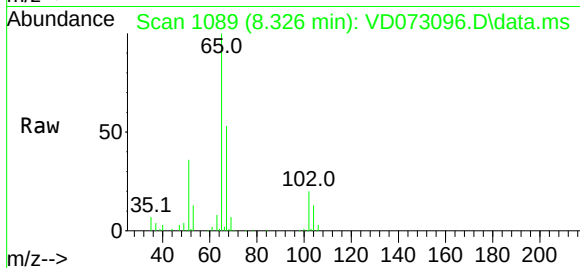
OR-02-051322

Tgt Ion: 65 Resp: 169682

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073096.D

Acq: 18 May 2022 13:50

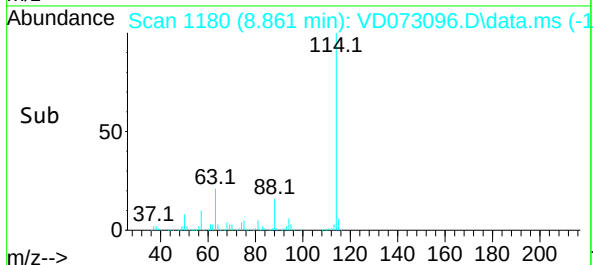
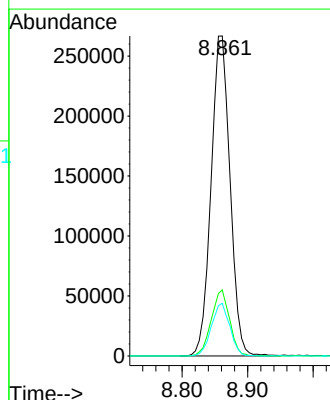
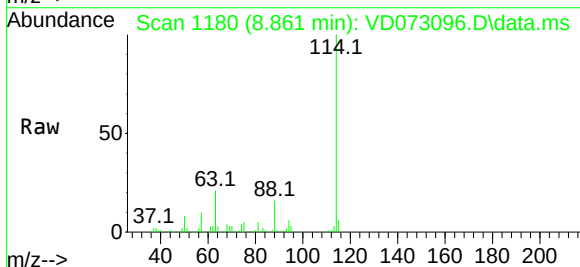
Tgt Ion: 114 Resp: 535858

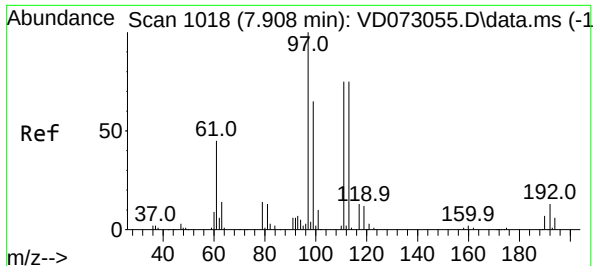
Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.610 ug/l

RT: 7.914 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD073096.D

Acq: 18 May 2022 13:50

Instrument :

MSVOA_D

ClientSampleId :

OR-02-051322

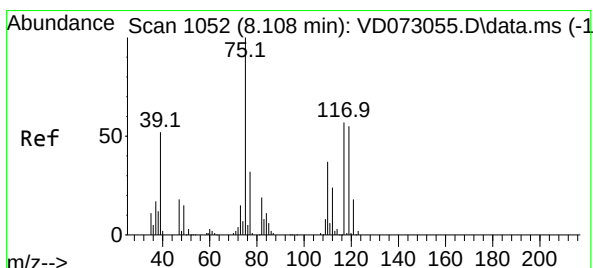
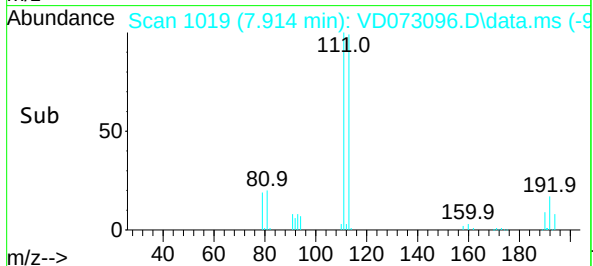
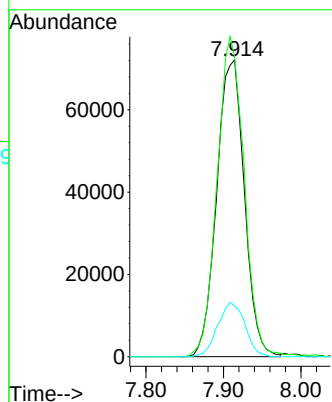
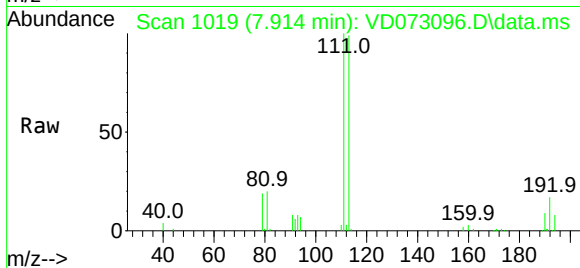
Tgt Ion:113 Resp: 179126

Ion Ratio Lower Upper

113 100

111 105.7 83.8 125.6

192 18.0 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.156 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD073096.D

Acq: 18 May 2022 13:50

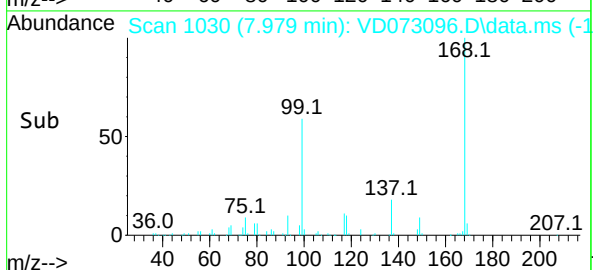
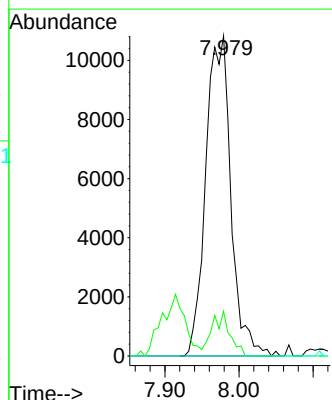
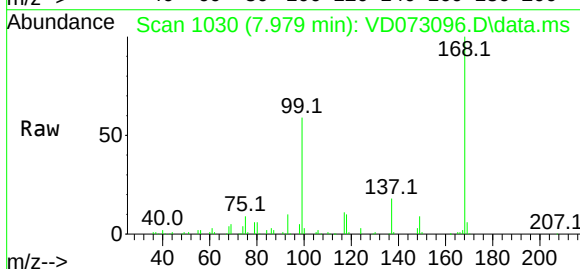
Tgt Ion: 75 Resp: 25478

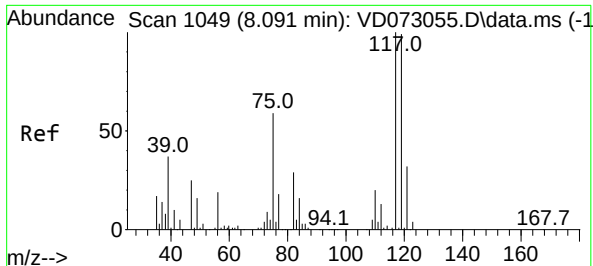
Ion Ratio Lower Upper

75 100

110 9.8 16.4 49.1#

77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.124 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073096.D

Acq: 18 May 2022 13:50

Instrument :

MSVOA_D

ClientSampleId :

OR-02-051322

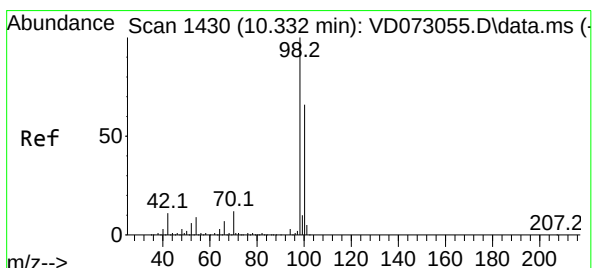
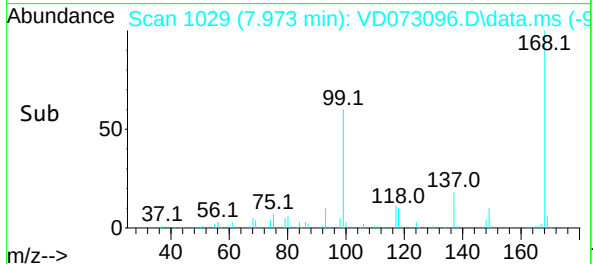
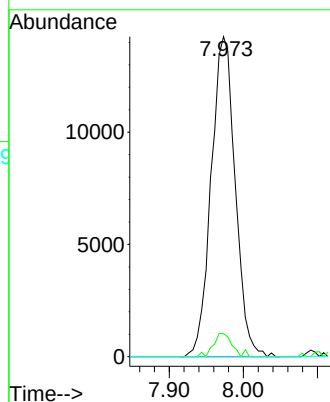
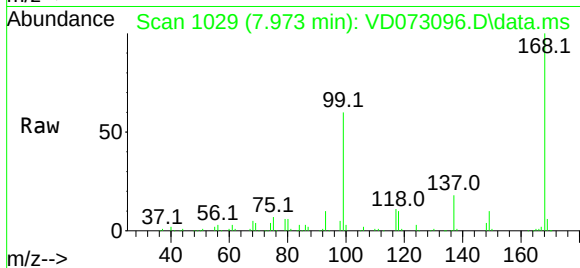
Tgt Ion:117 Resp: 32138

Ion Ratio Lower Upper

117 100

119 7.2 75.8 113.6#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 48.489 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD073096.D

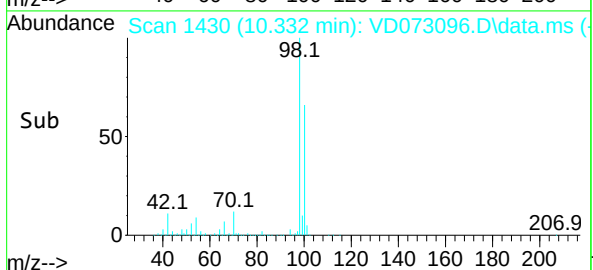
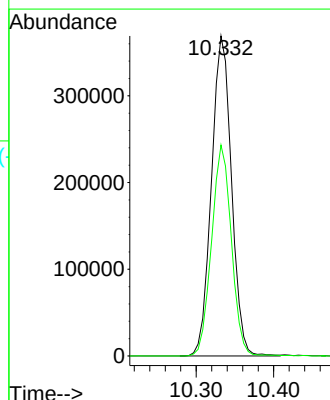
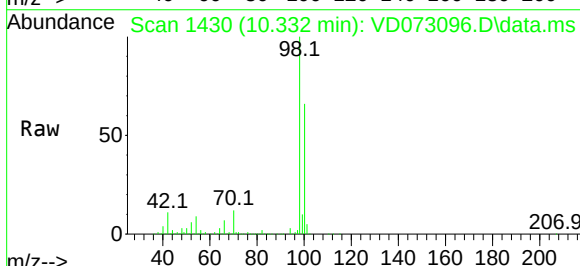
Acq: 18 May 2022 13:50

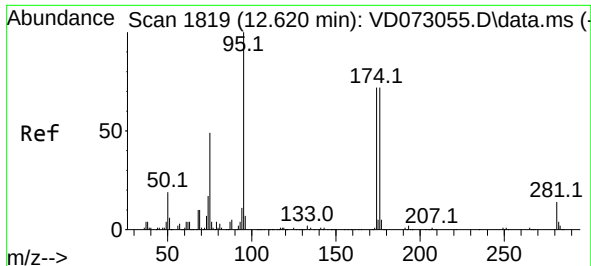
Tgt Ion: 98 Resp: 661826

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6

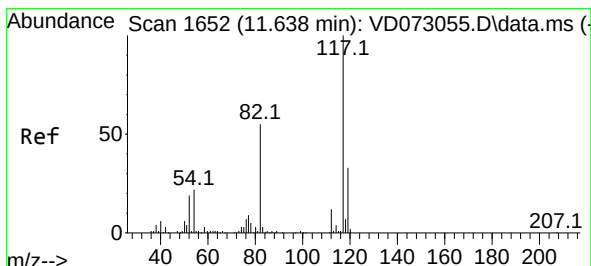
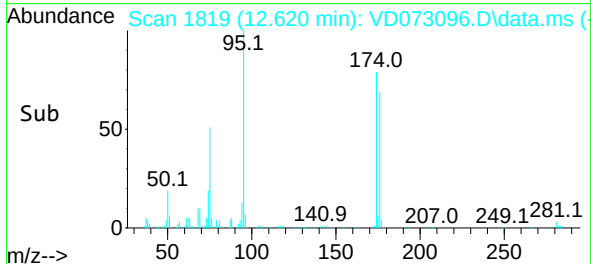
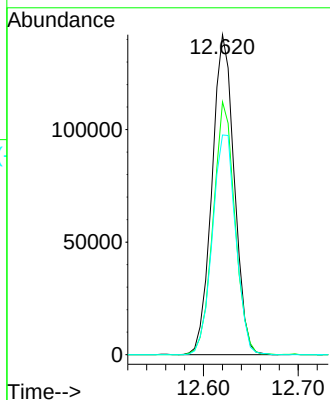
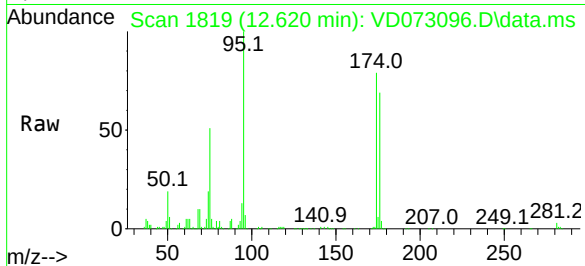




#62
4-Bromofluorobenzene
Concen: 46.980 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073096.D
Acq: 18 May 2022 13:50

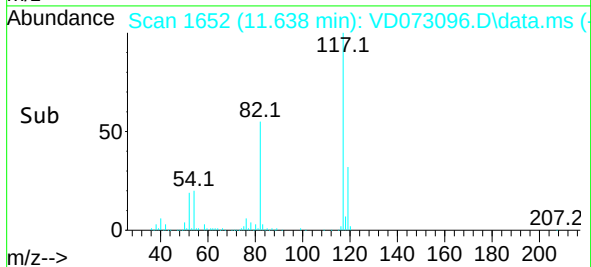
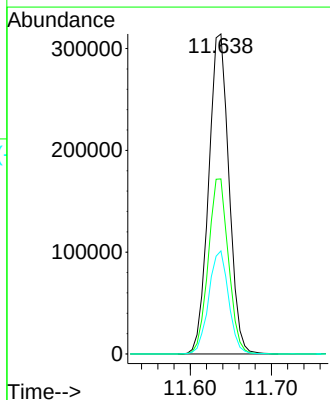
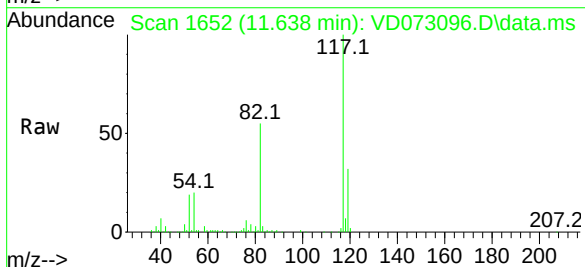
Instrument :
MSVOA_D
ClientSampleId :
OR-02-051322

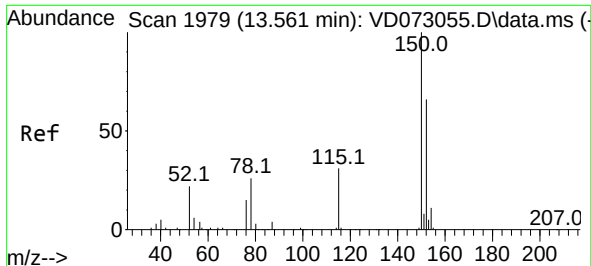
Tgt Ion: 95 Resp: 232250
Ion Ratio Lower Upper
95 100
174 77.0 0.0 152.8
176 72.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073096.D
Acq: 18 May 2022 13:50

Tgt Ion: 117 Resp: 544848
Ion Ratio Lower Upper
117 100
82 54.7 45.3 67.9
119 32.2 26.6 40.0

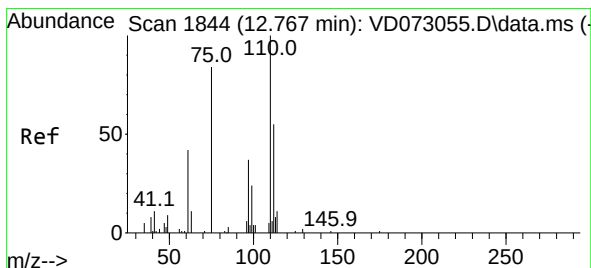
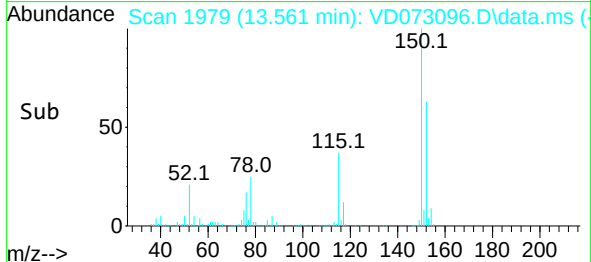
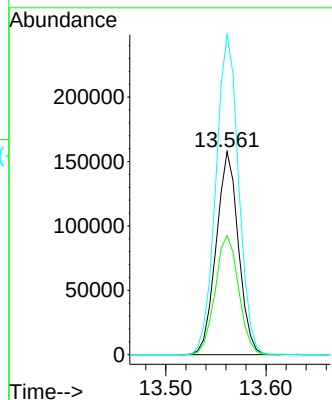
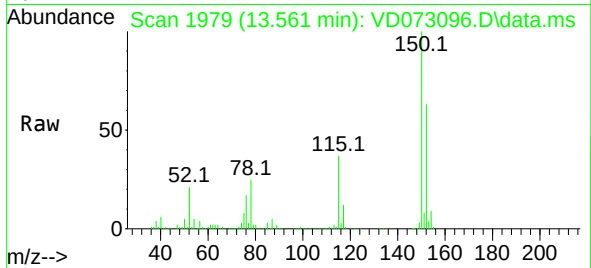




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073096.D
 Acq: 18 May 2022 13:50

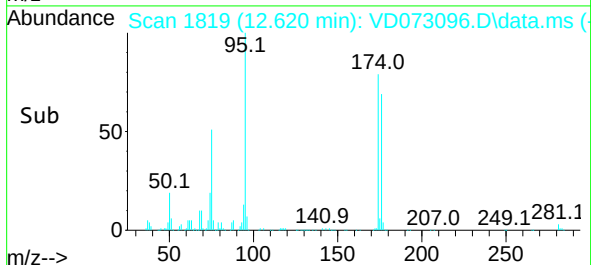
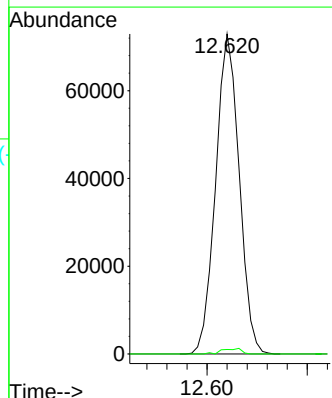
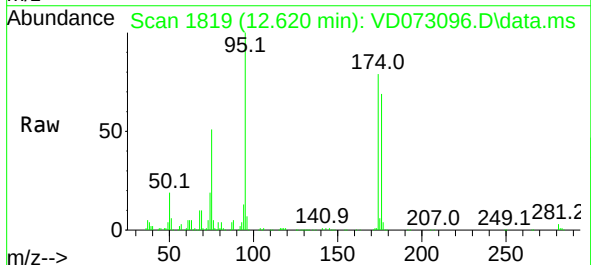
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-051322

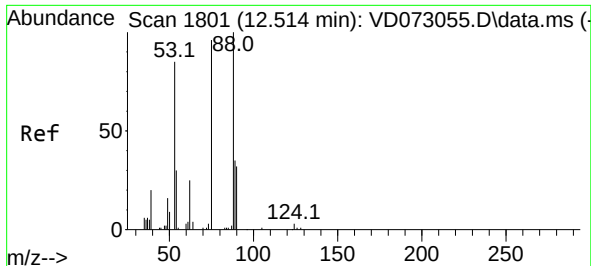
Tgt Ion:152 Resp: 242535
 Ion Ratio Lower Upper
 152 100
 115 61.9 31.3 93.8
 150 161.6 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 43.298 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073096.D
 Acq: 18 May 2022 13:50

Tgt Ion: 75 Resp: 118711
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

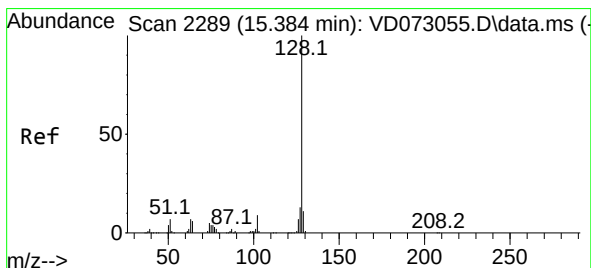
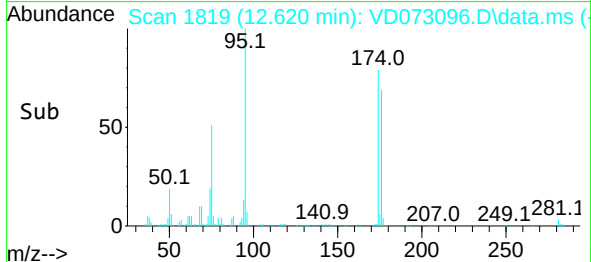
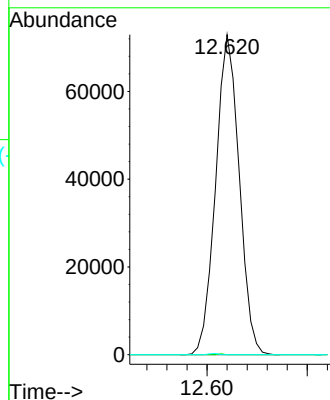
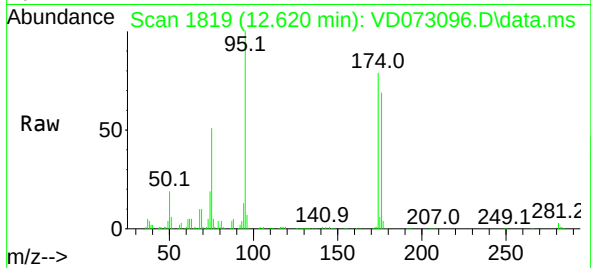




#81
trans-1,4-Dichloro-2-butene
Concen: 103.819 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073096.D
Acq: 18 May 2022 13:50

Instrument :
MSVOA_D
ClientSampleId :
OR-02-051322

Tgt Ion: 75 Resp: 118711
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 4.421 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD073096.D
Acq: 18 May 2022 13:50

Tgt Ion: 128 Resp: 1665
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.7 8.4 12.6#

