

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075690.D
 Acq On : 14 Apr 2023 20:35
 Operator : KP/SY
 Sample : 02347-03
 Misc : 4.18G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20230271-20-1

Quant Time: Apr 17 09:17:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

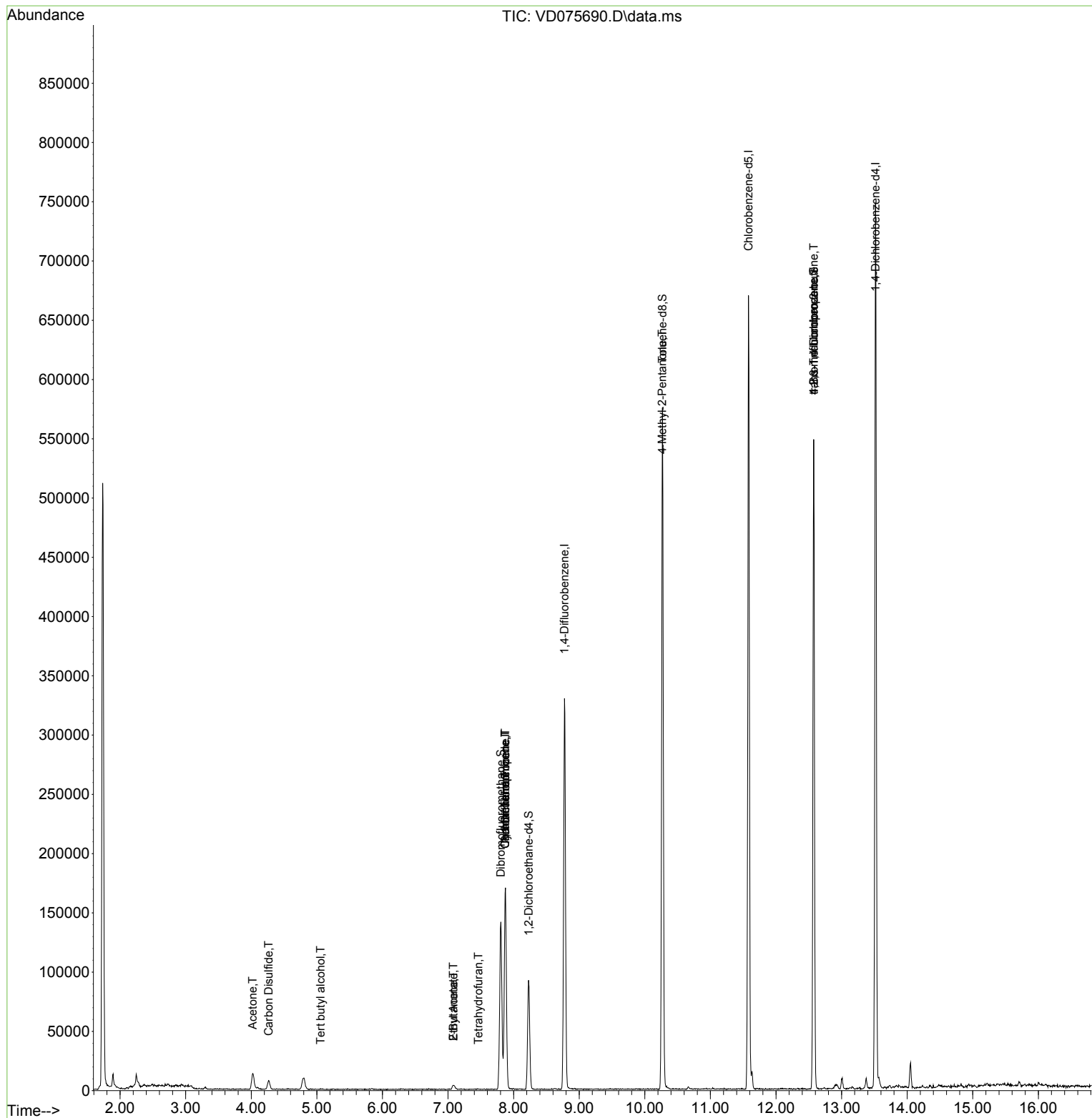
Internal Standards						
1) Pentafluorobenzene	7.875	168	135616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	314418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	411480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	210935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	71058	55.201	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	=	110.400%	
35) Dibromofluoromethane	7.805	113	104398	49.366	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	=	98.740%	
50) Toluene-d8	10.269	98	423733	50.035	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	=	100.060%	
62) 4-Bromofluorobenzene	12.575	95	173257	76.970	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	=	153.940%#	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.058	59	136	2.105	ug/l #	100
16) Acetone	4.022	43	22479	95.320	ug/l #	78
17) Carbon Disulfide	4.264	76	15580	3.134	ug/l	99
25) 2-Butanone	7.081	43	5346	17.607	ug/l	94
29) Tetrahydrofuran	7.463	42	172	1.036	ug/l #	62
31) Cyclohexane	7.869	56	2710	1.342	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	10354	3.549	ug/l #	48
37) Ethyl Acetate	7.081	43	5346	6.021	ug/l #	80
38) Carbon Tetrachloride	7.869	117	12717	4.950	ug/l #	18
51) 4-Methyl-2-Pentanone	10.263	43	1387	1.607	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	85295	49.586	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	85295	107.472	ug/l #	5

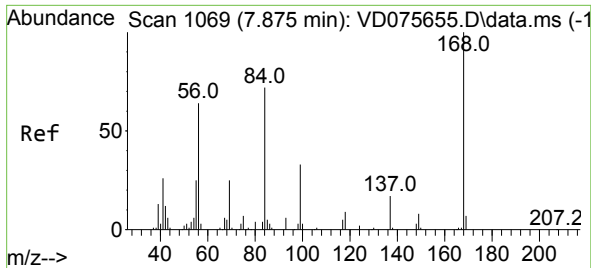
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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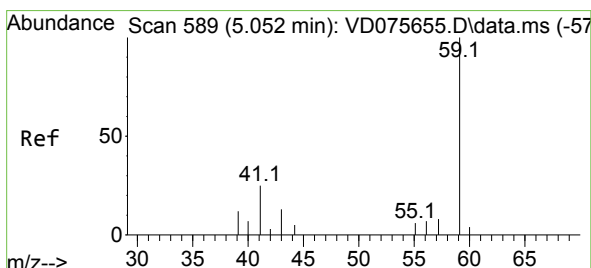
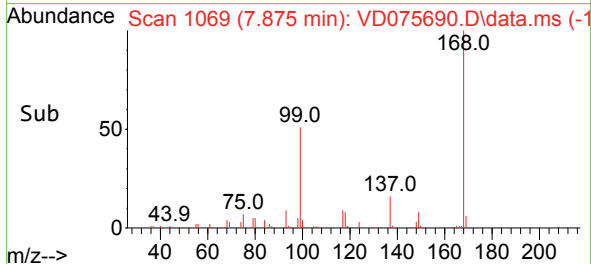
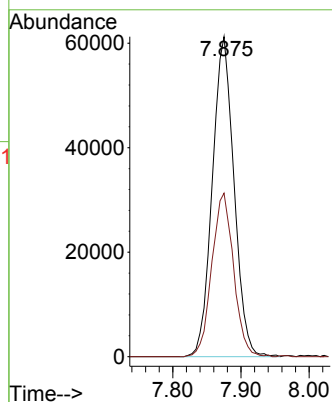
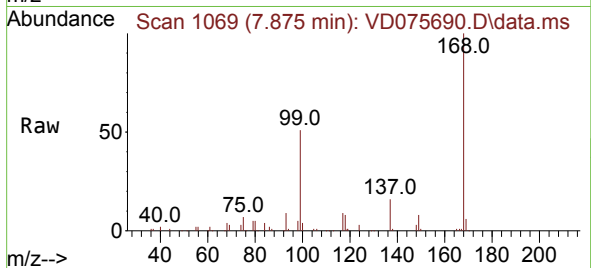




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

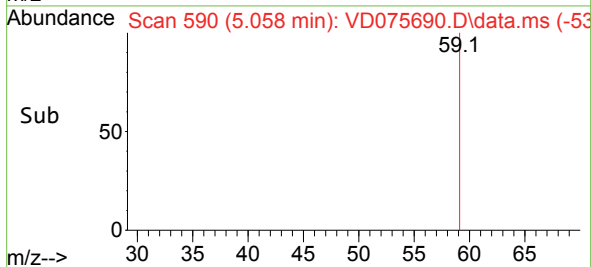
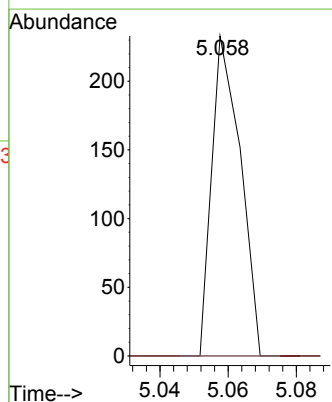
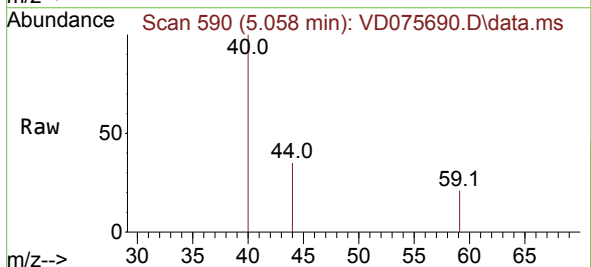
Instrument :
MSVOA_D
ClientSampleId :
20230271-20-1

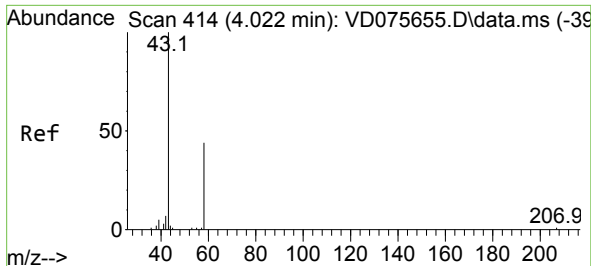
Tgt Ion:168 Resp: 135616
Ion Ratio Lower Upper
168 100
99 51.1 43.8 65.6



#11
Tert butyl alcohol
Concen: 2.105 ug/l
RT: 5.058 min Scan# 590
Delta R.T. 0.006 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

Tgt Ion: 59 Resp: 136
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

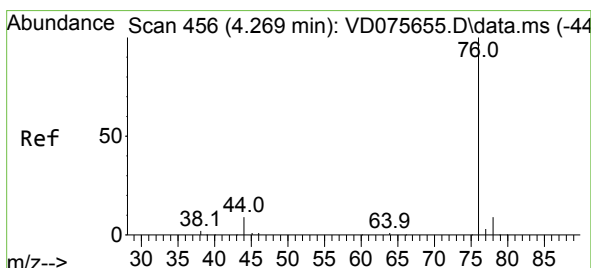
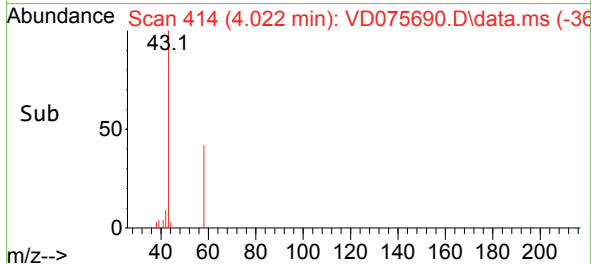
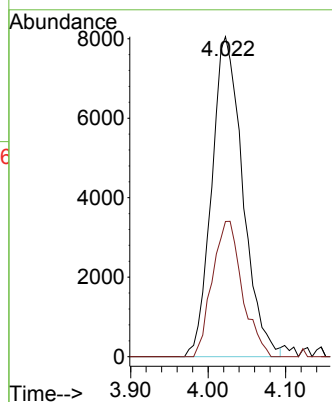
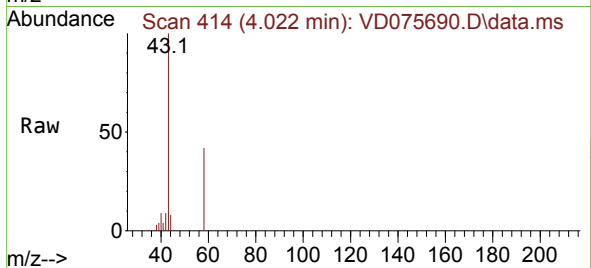




#16
Acetone
Concen: 95.320 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

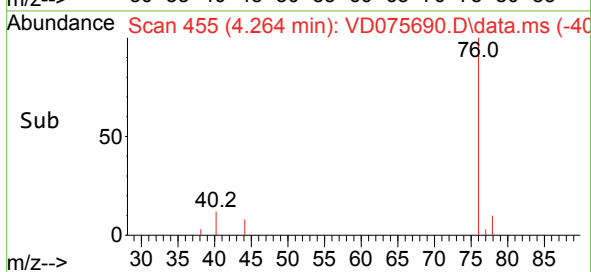
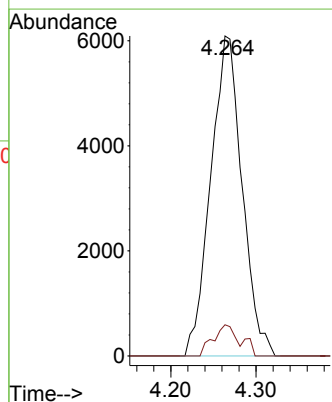
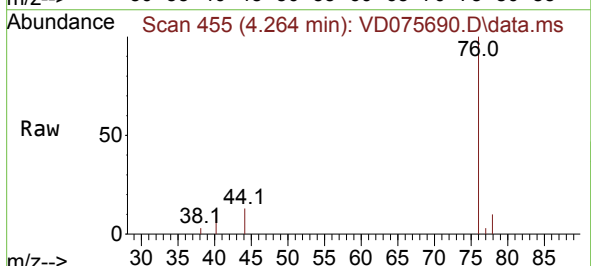
Instrument :
MSVOA_D
ClientSampleId :
20230271-20-1

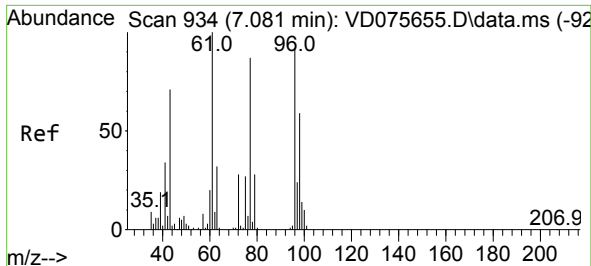
Tgt Ion: 43 Resp: 22479
Ion Ratio Lower Upper
43 100
58 42.2 24.4 36.6#



#17
Carbon Disulfide
Concen: 3.134 ug/l
RT: 4.264 min Scan# 455
Delta R.T. -0.005 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

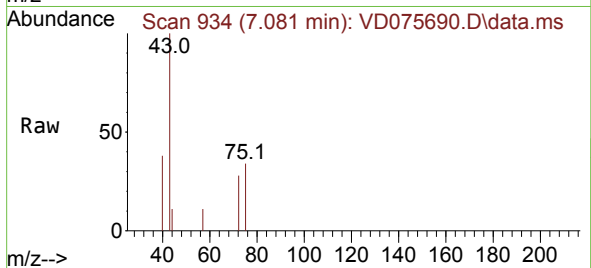
Tgt Ion: 76 Resp: 15580
Ion Ratio Lower Upper
76 100
78 9.7 8.0 12.0



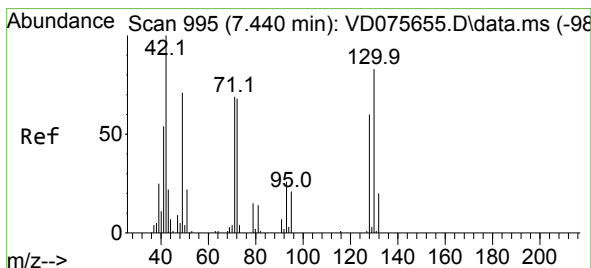
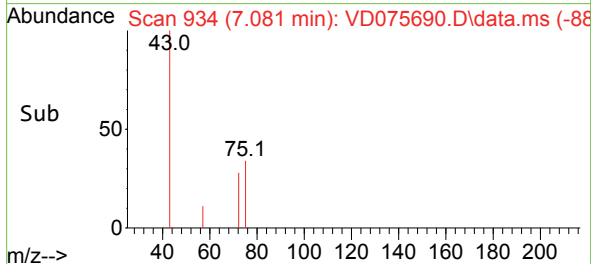
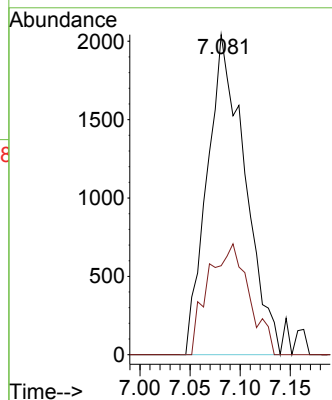


#25
2-Butanone
Concen: 17.607 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

Instrument :
MSVOA_D
ClientSampleId :
20230271-20-1

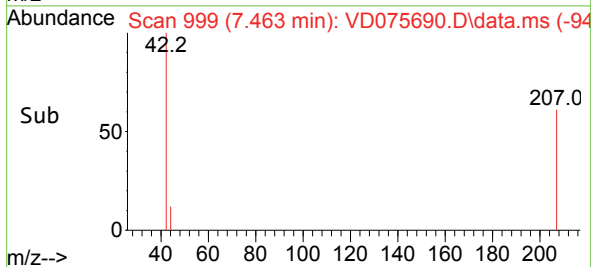
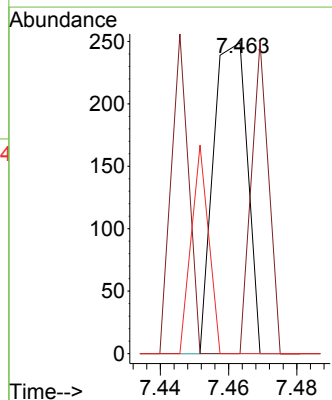
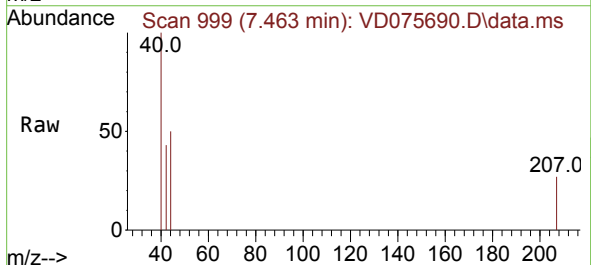


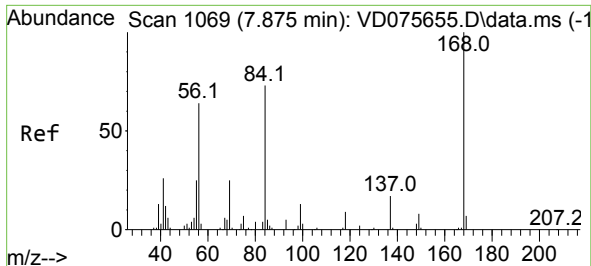
Tgt Ion: 43 Resp: 5346
Ion Ratio Lower Upper
43 100
72 27.8 19.8 29.8



#29
Tetrahydrofuran
Concen: 1.036 ug/l
RT: 7.463 min Scan# 999
Delta R.T. 0.023 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

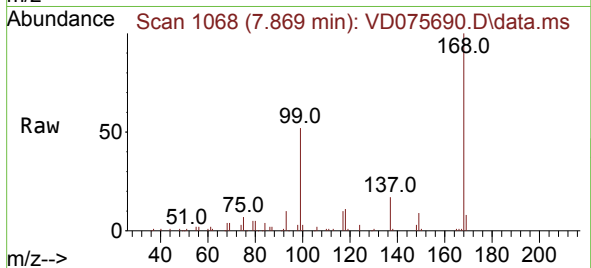
Tgt Ion: 42 Resp: 172
Ion Ratio Lower Upper
42 100
72 51.2 31.8 47.6#
71 0.0 27.6 41.4#



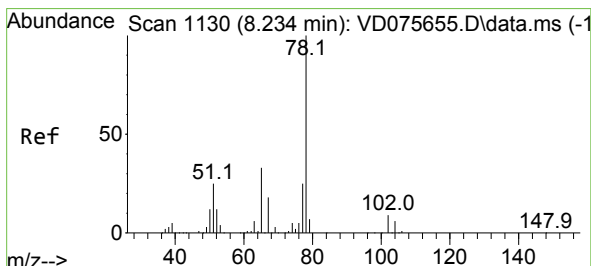
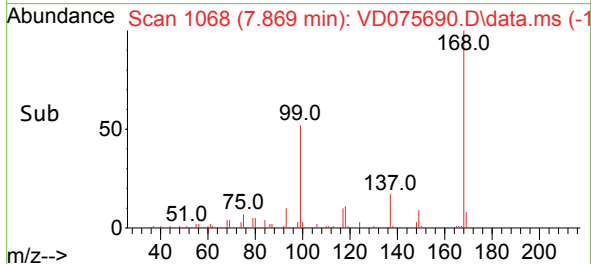
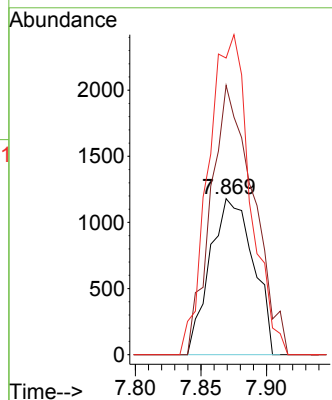


#31
Cyclohexane
Concen: 1.342 ug/l
RT: 7.869 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

Instrument :
MSVOA_D
ClientSampleId :
20230271-20-1

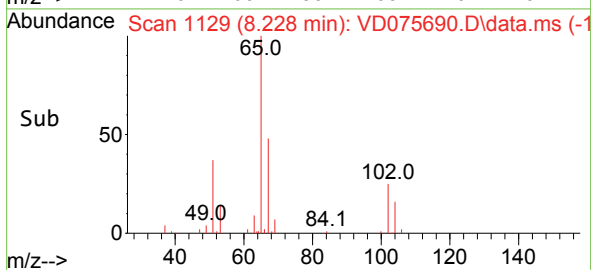
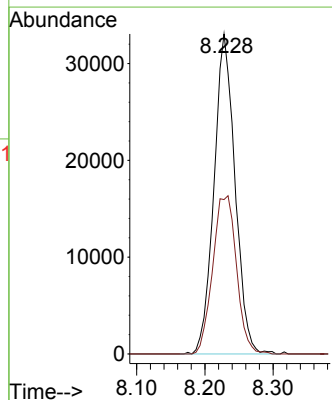
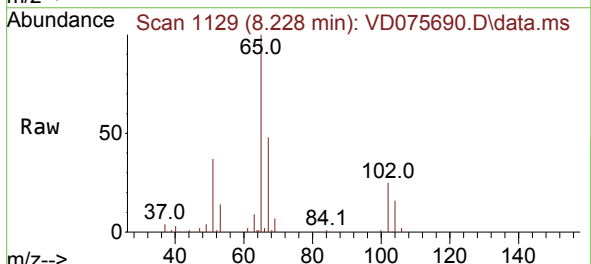


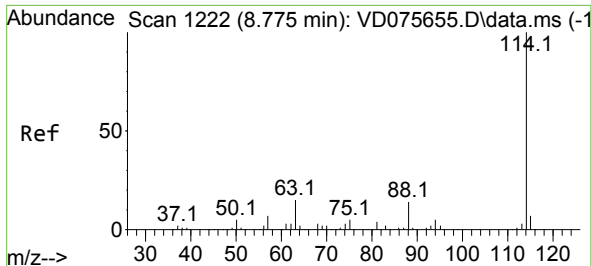
Tgt Ion: 56 Resp: 2710
Ion Ratio Lower Upper
56 100
69 172.7 25.5 38.3#
84 190.2 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 55.201 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

Tgt Ion: 65 Resp: 71058
Ion Ratio Lower Upper
65 100
67 55.8 0.0 102.2

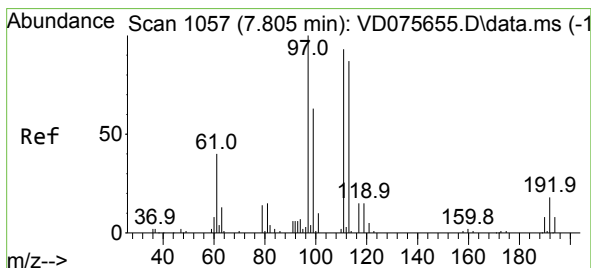
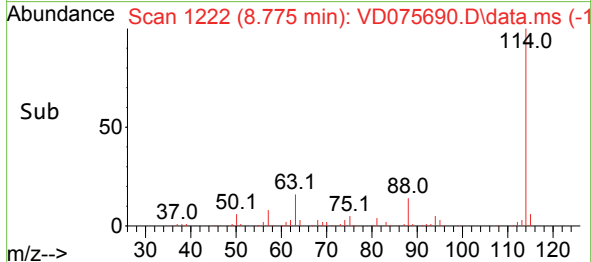
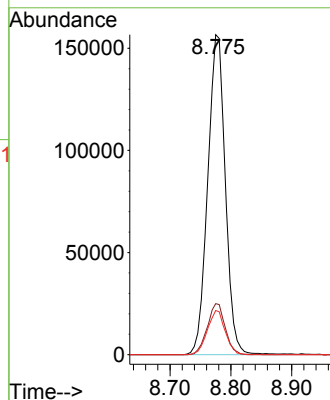
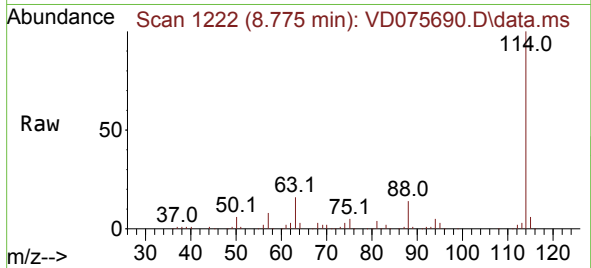




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

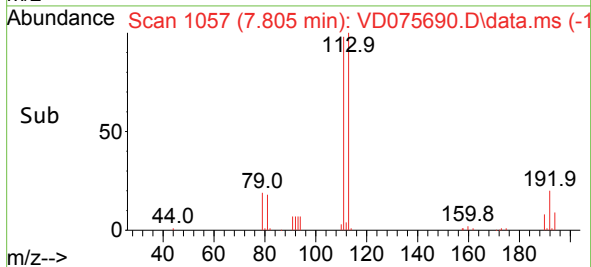
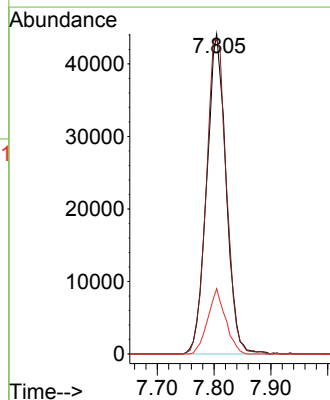
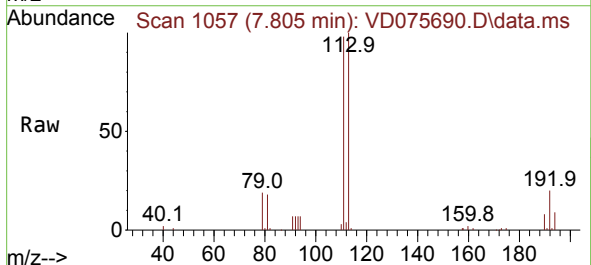
Instrument :
MSVOA_D
ClientSampleId :
20230271-20-1

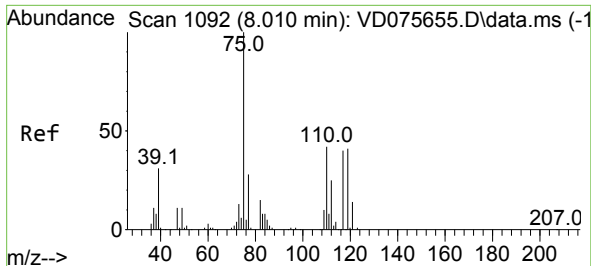
Tgt Ion:114 Resp: 314418
Ion Ratio Lower Upper
114 100
63 15.9 0.0 41.6
88 13.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.366 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

Tgt Ion:113 Resp: 104398
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 18.7 15.2 22.8





#36

1,1-Dichloropropene

Concen: 3.549 ug/l

RT: 7.875 min Scan# 1092

Delta R.T. -0.135 min

Lab File: VD075690.D

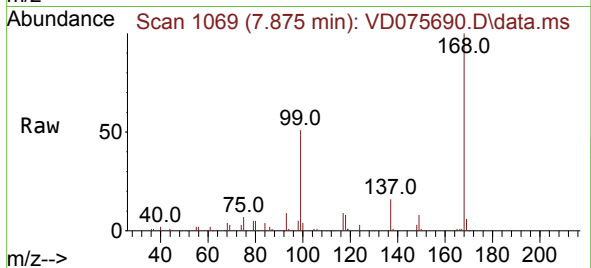
Acq: 14 Apr 2023 20:35

Instrument :

MSVOA_D

ClientSampleId :

20230271-20-1



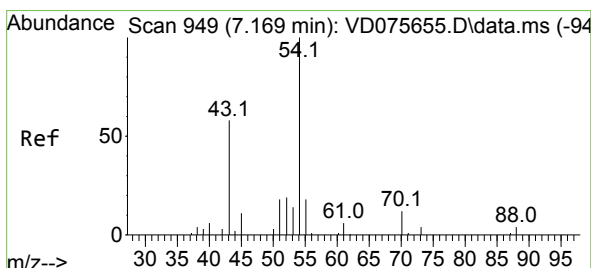
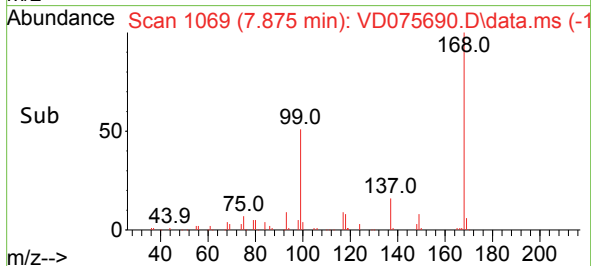
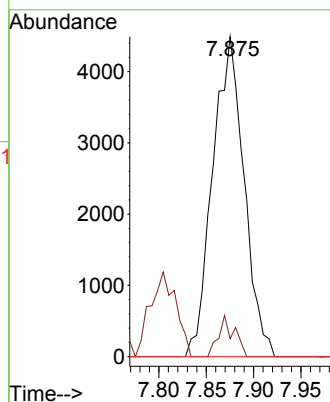
Tgt Ion: 75 Resp: 10354

Ion Ratio Lower Upper

75 100

110 6.5 17.1 51.2#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 6.021 ug/l

RT: 7.081 min Scan# 934

Delta R.T. -0.088 min

Lab File: VD075690.D

Acq: 14 Apr 2023 20:35

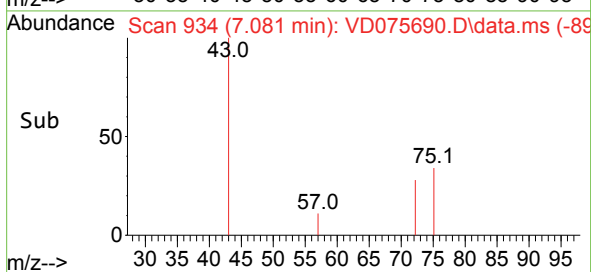
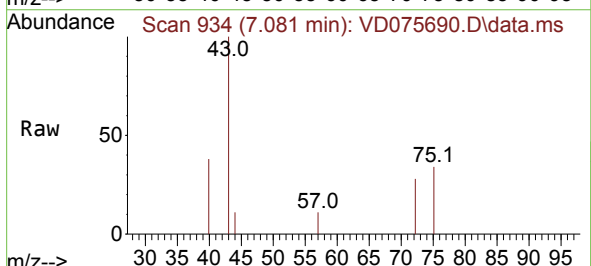
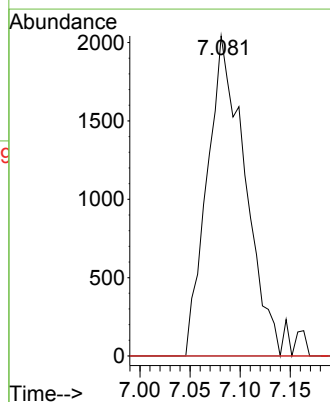
Tgt Ion: 43 Resp: 5346

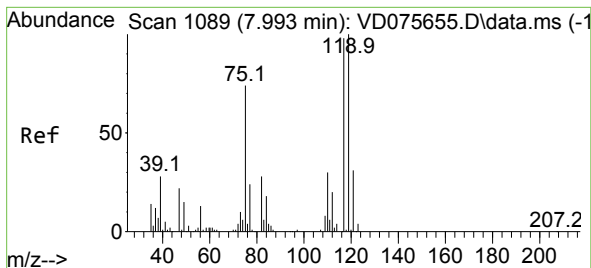
Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

70 0.0 5.6 8.4#





#38

Carbon Tetrachloride

Concen: 4.950 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD075690.D

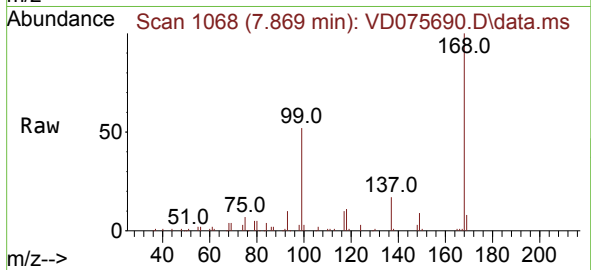
Acq: 14 Apr 2023 20:35

Instrument :

MSVOA_D

ClientSampleId :

20230271-20-1



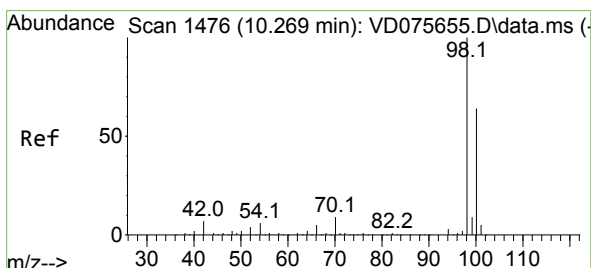
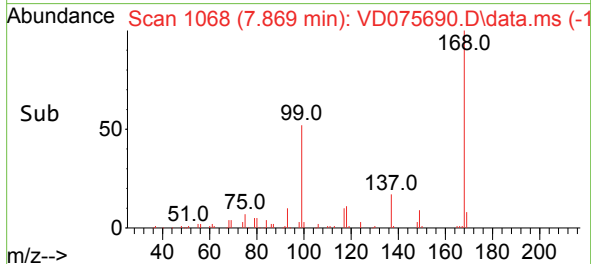
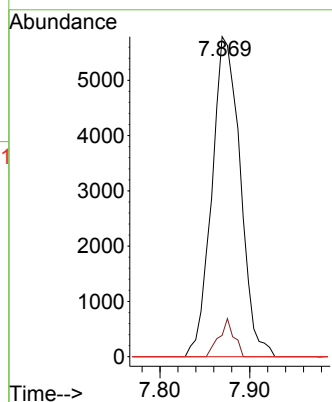
Tgt Ion:117 Resp: 12717

Ion Ratio Lower Upper

117 100

119 6.6 74.7 112.1#

121 0.0 25.9 38.9#



#50

Toluene-d8

Concen: 50.035 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075690.D

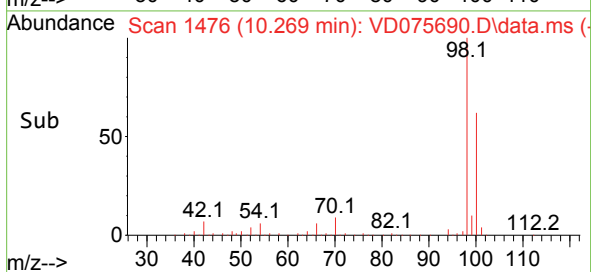
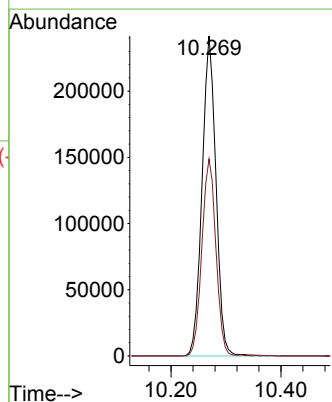
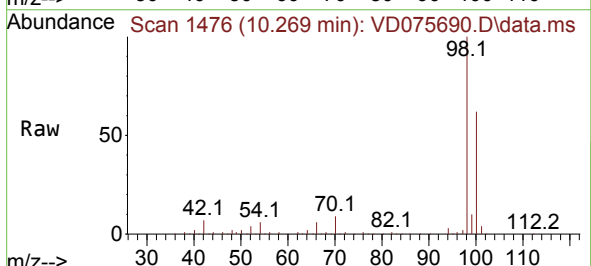
Acq: 14 Apr 2023 20:35

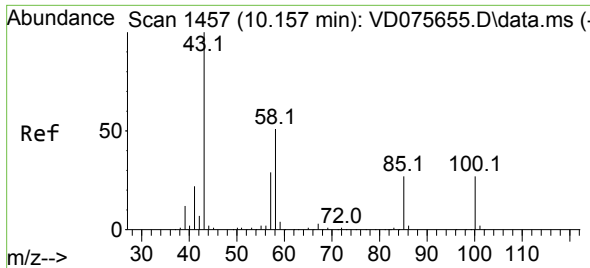
Tgt Ion: 98 Resp: 423733

Ion Ratio Lower Upper

98 100

100 62.1 52.1 78.1

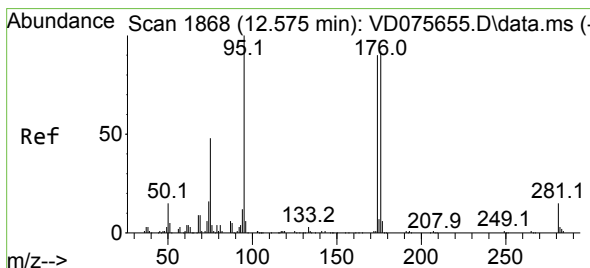
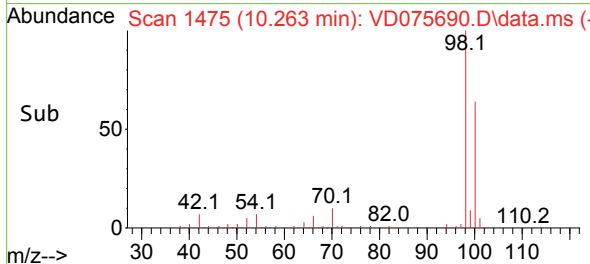
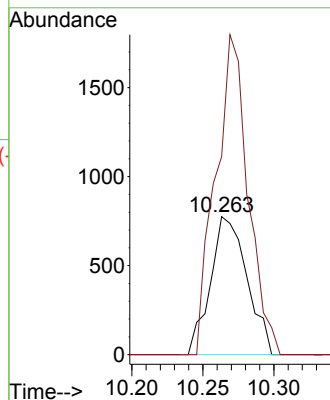
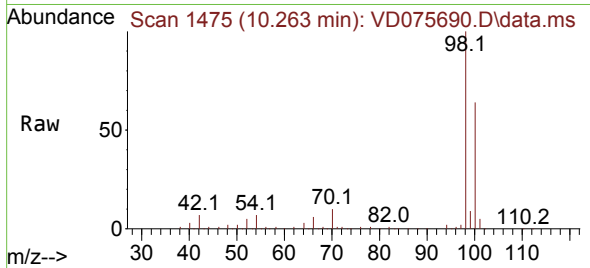




#51
 4-Methyl-2-Pentanone
 Concen: 1.607 ug/l
 RT: 10.263 min Scan# 1457
 Delta R.T. 0.106 min
 Lab File: VD075690.D
 Acq: 14 Apr 2023 20:35

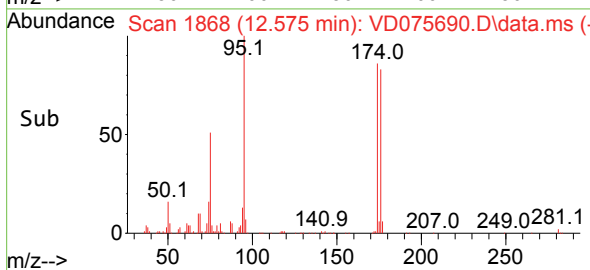
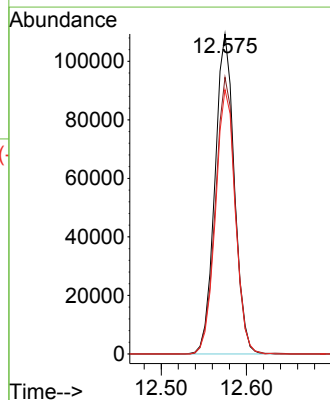
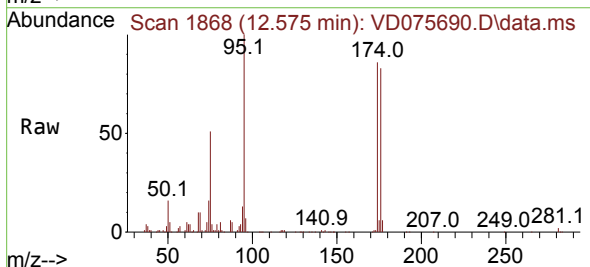
Instrument :
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 ClientSampleId :
 20230271-20-1

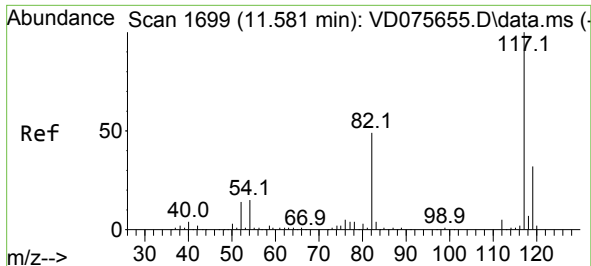
Tgt Ion: 43 Resp: 1387
 Ion Ratio Lower Upper
 43 100
 58 206.2 29.5 44.3#



#62
 4-Bromofluorobenzene
 Concen: 76.970 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.000 min
 Lab File: VD075690.D
 Acq: 14 Apr 2023 20:35

Tgt Ion: 95 Resp: 173257
 Ion Ratio Lower Upper
 95 100
 174 88.0 0.0 164.0
 176 84.3 0.0 156.8

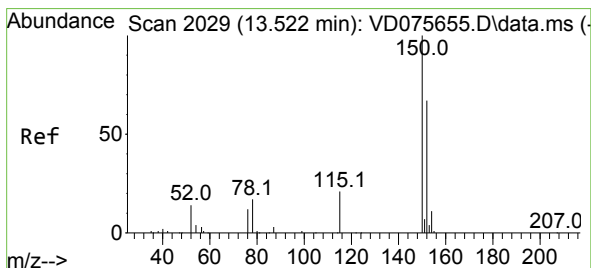
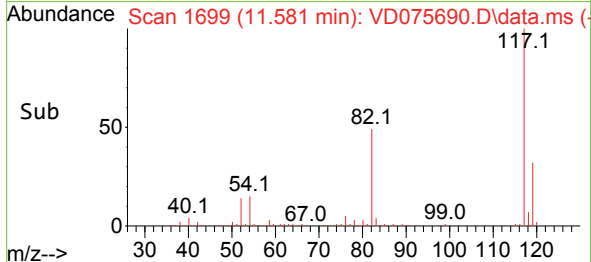
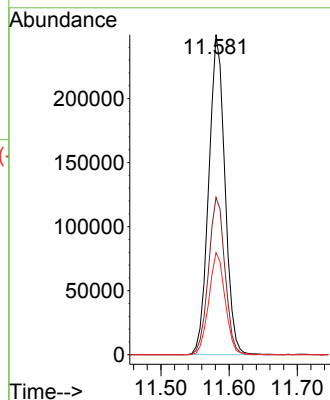
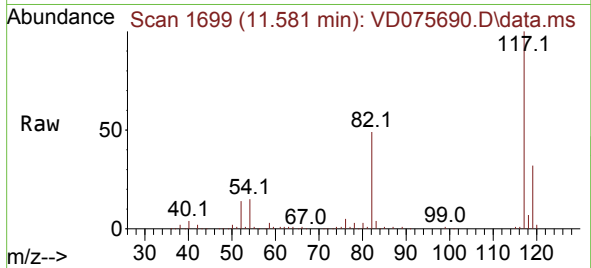




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

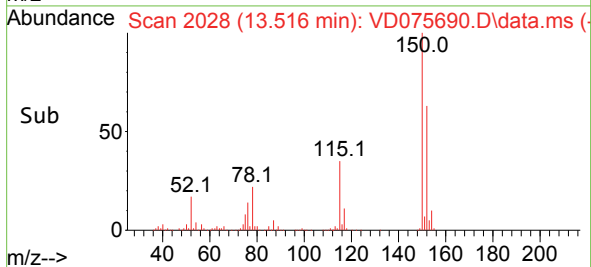
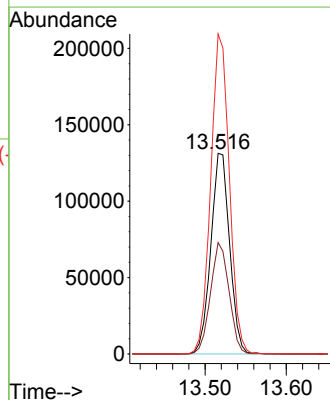
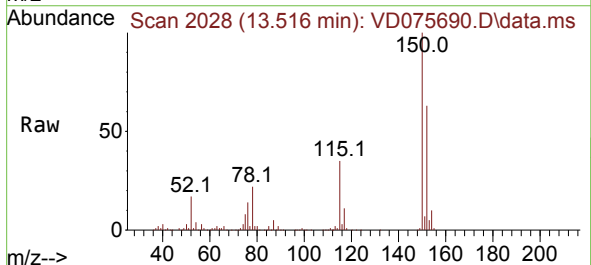
Instrument :
MSVOA_D
ClientSampleId :
20230271-20-1

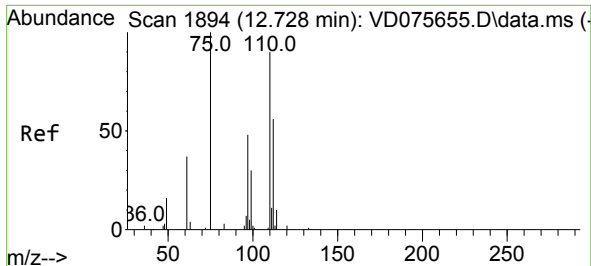
Tgt Ion:117 Resp: 411480
Ion Ratio Lower Upper
117 100
82 49.2 44.0 66.0
119 31.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

Tgt Ion:152 Resp: 210935
Ion Ratio Lower Upper
152 100
115 54.9 30.1 90.3
150 157.9 0.0 364.8

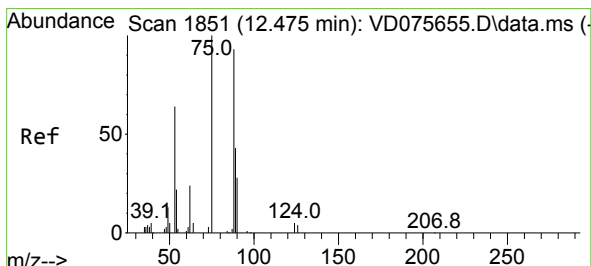
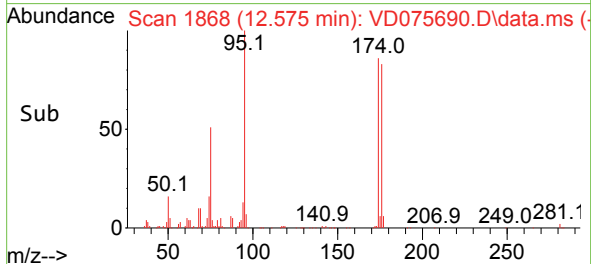
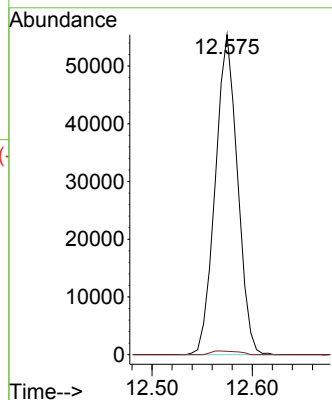
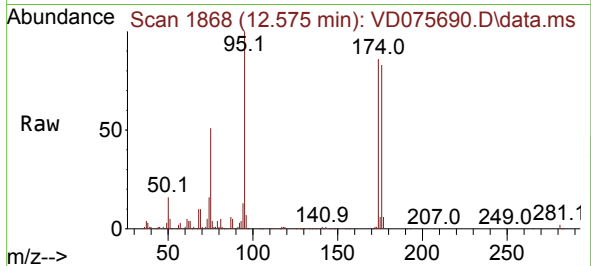




#76
1,2,3-Trichloropropane
Concen: 49.586 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

Instrument :
MSVOA_D
ClientSampleId :
20230271-20-1

Tgt Ion: 75 Resp: 85295
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.472 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD075690.D
Acq: 14 Apr 2023 20:35

Tgt Ion: 75 Resp: 85295
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 40.2 60.4#

