

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041123\
 Data File : VD075625.D
 Acq On : 11 Apr 2023 17:38
 Operator : KP/SY
 Sample : 02258-03
 Misc : 3.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20230215-6-1

Quant Time: Apr 12 02:58:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 11 18:54:55 2023
 Response via : Initial Calibration

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

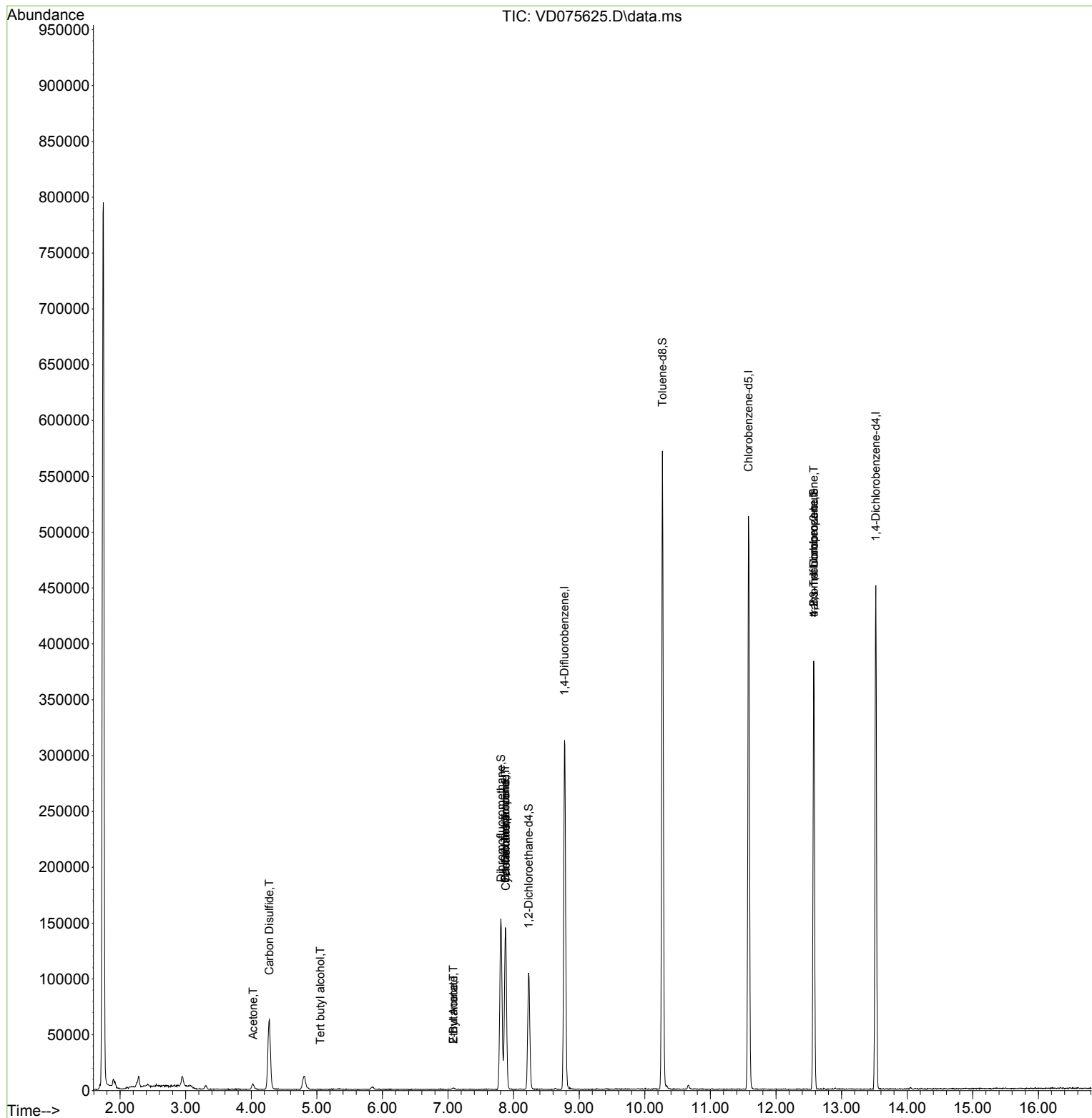
Internal Standards						
1) Pentafluorobenzene	7.875	168	117484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	304446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	326392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	128881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	82472	85.571	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 171.140%#	
35) Dibromofluoromethane	7.810	113	115084	64.501	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.000%	
50) Toluene-d8	10.269	98	413030	59.018	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 118.040%	
62) 4-Bromofluorobenzene	12.575	95	119781	55.290	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.164	50	343	Below Cal	#	40
11) Tert butyl alcohol	5.052	59	60	1.317	ug/l #	100
13) Acrolein	3.793	56	62	Below Cal	#	16
16) Acetone	4.028	43	7875	44.843	ug/l	93
17) Carbon Disulfide	4.275	76	137044	48.620	ug/l #	93
20) Methylene Chloride	4.799	84	11153	Below Cal	#	71
25) 2-Butanone	7.081	43	1596	7.003	ug/l	98
31) Cyclohexane	7.881	56	2883	2.056	ug/l #	21
36) 1,1-Dichloropropene	7.875	75	8568	3.760	ug/l #	48
37) Ethyl Acetate	7.081	43	1596	2.330	ug/l #	80
38) Carbon Tetrachloride	7.875	117	11353	5.195	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	60231	59.715	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	60231	136.859	ug/l #	5

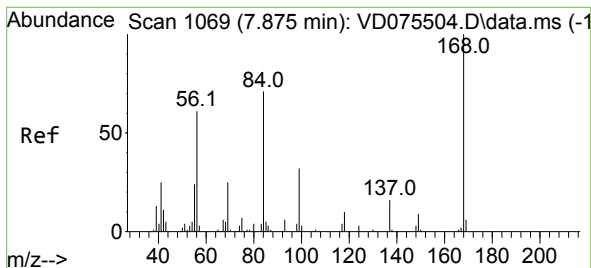
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
Quant Title : SW846 8260
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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: VD075625.D

Acq: 11 Apr 2023 17:38

Instrument :

MSVOA_D

ClientSampleId :

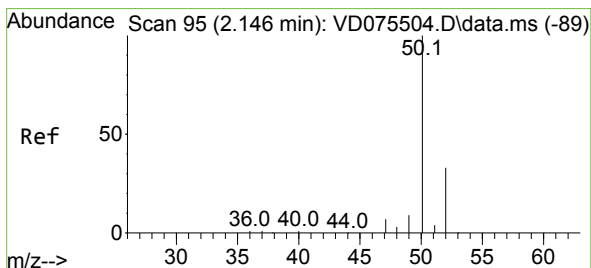
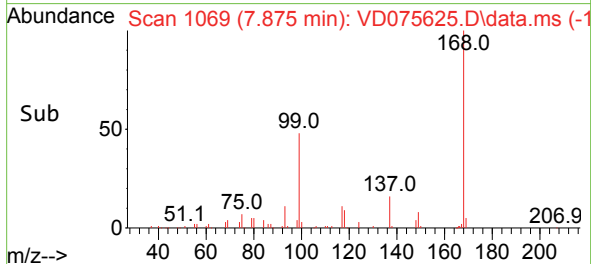
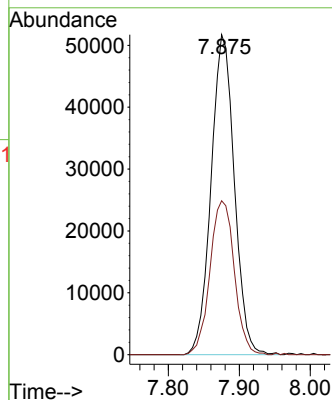
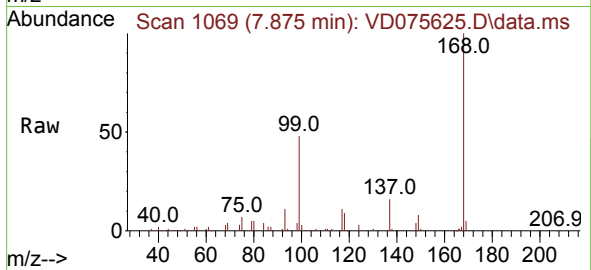
20230215-6-1

Tgt Ion:168 Resp: 117484

Ion Ratio Lower Upper

168 100

99 48.1 43.8 65.6



#3

Chloromethane

Concen: Below Cal

RT: 2.164 min Scan# 98

Delta R.T. 0.012 min

Lab File: VD075625.D

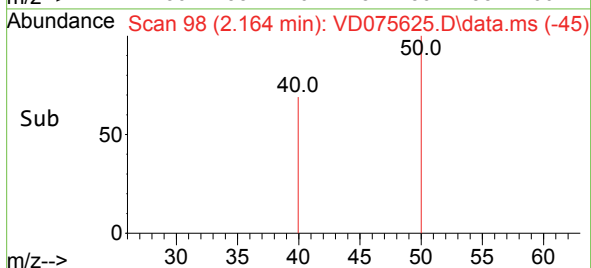
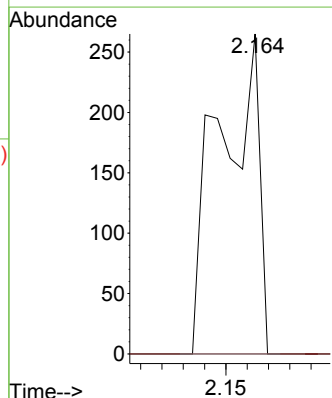
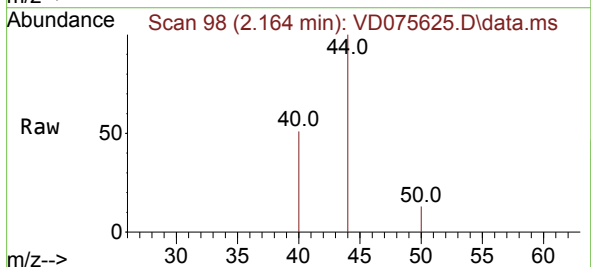
Acq: 11 Apr 2023 17:38

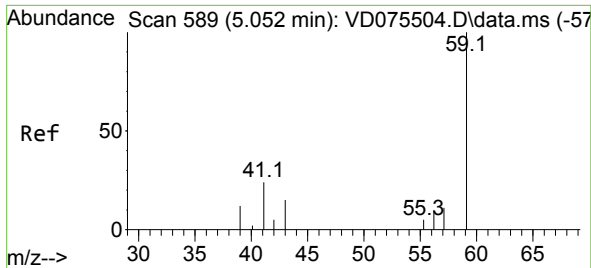
Tgt Ion: 50 Resp: 343

Ion Ratio Lower Upper

50 100

52 0.0 27.8 41.8#

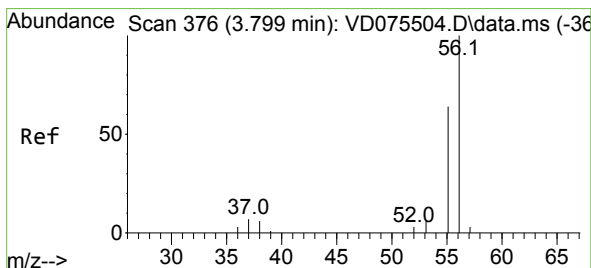
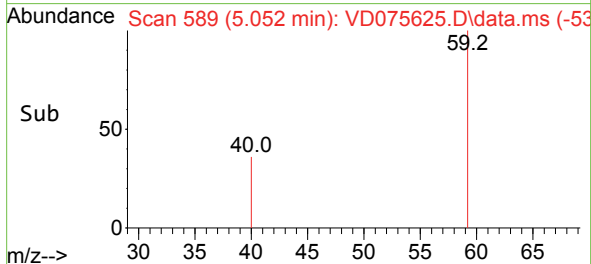
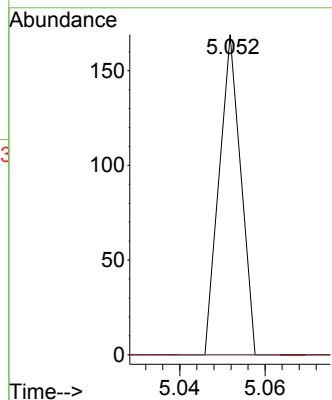
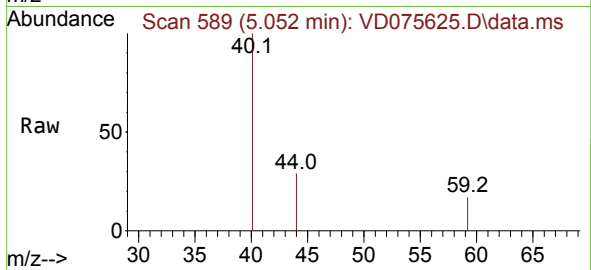




#11
Tert butyl alcohol
Concen: 1.317 ug/l
RT: 5.052 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD075625.D
Acq: 11 Apr 2023 17:38

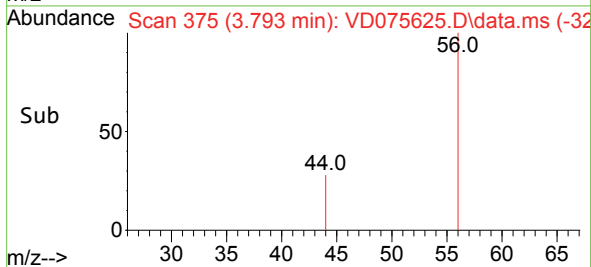
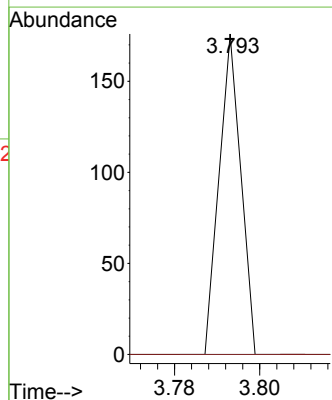
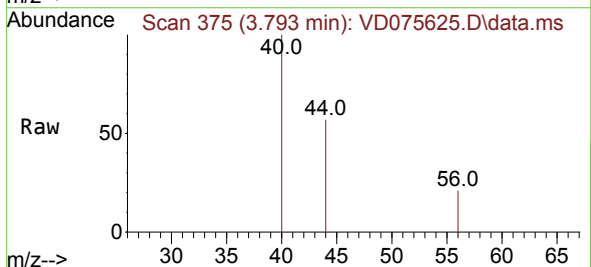
Instrument :
MSVOA_D
ClientSampleId :
20230215-6-1

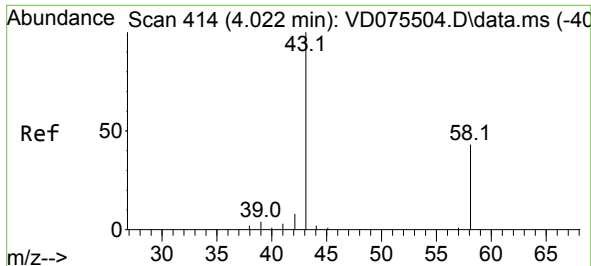
Tgt Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#13
Acrolein
Concen: Below Cal
RT: 3.793 min Scan# 375
Delta R.T. 0.000 min
Lab File: VD075625.D
Acq: 11 Apr 2023 17:38

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 53.9 80.9#

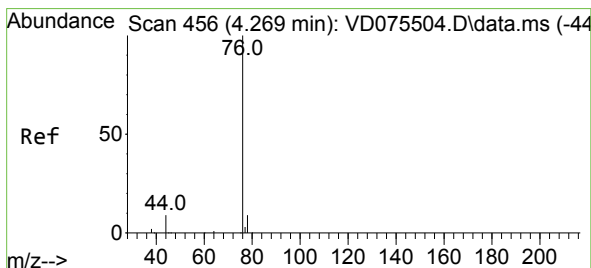
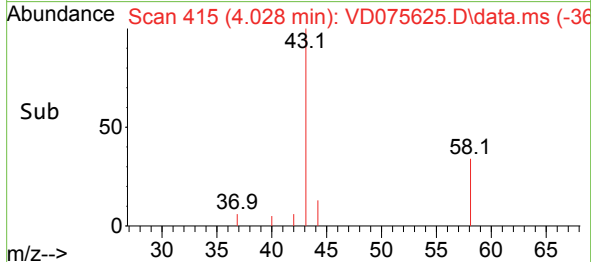
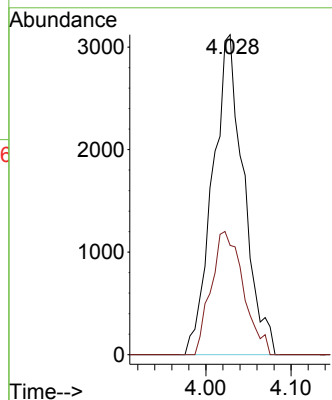
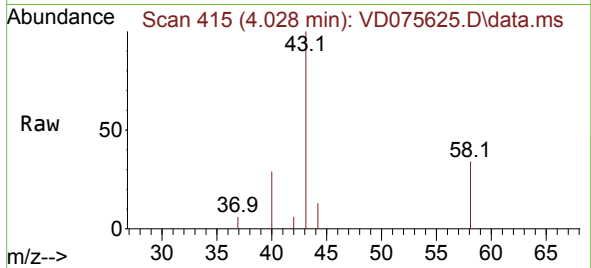




#16
Acetone
Concen: 44.843 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD075625.D
Acq: 11 Apr 2023 17:38

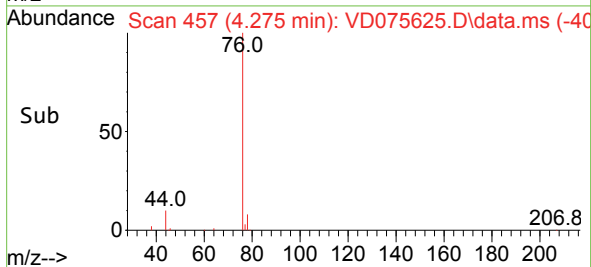
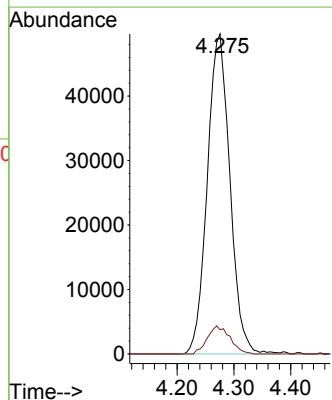
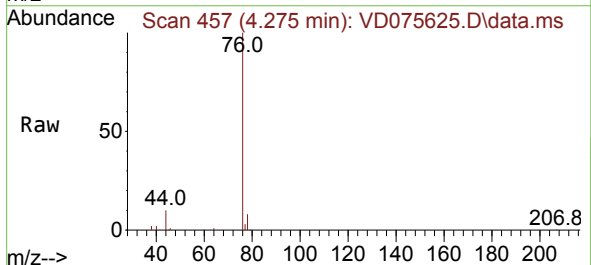
Instrument :
MSVOA_D
ClientSampleId :
20230215-6-1

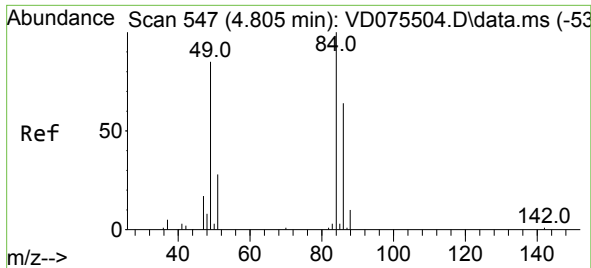
Tgt Ion: 43 Resp: 7875
Ion Ratio Lower Upper
43 100
58 34.2 24.4 36.6



#17
Carbon Disulfide
Concen: 48.620 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD075625.D
Acq: 11 Apr 2023 17:38

Tgt Ion: 76 Resp: 137044
Ion Ratio Lower Upper
76 100
78 7.5 8.0 12.0#

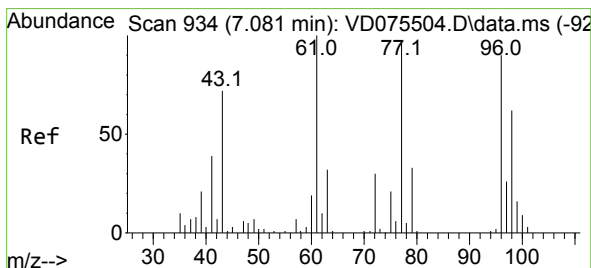
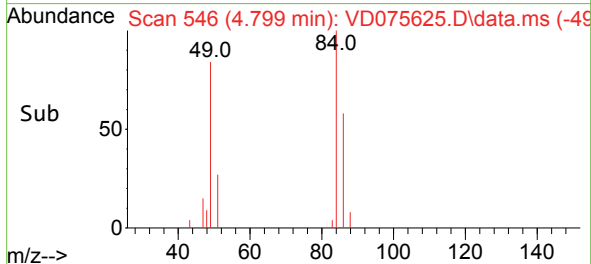
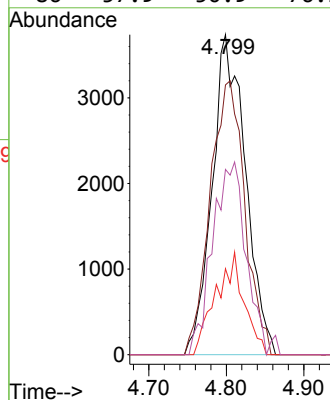
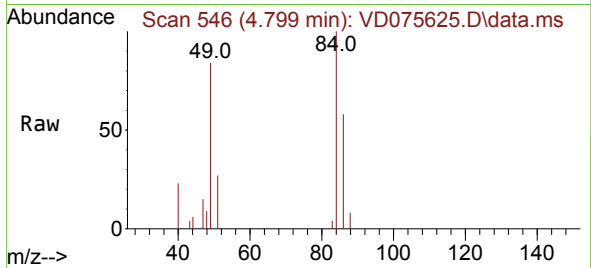




#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD075625.D
Acq: 11 Apr 2023 17:38

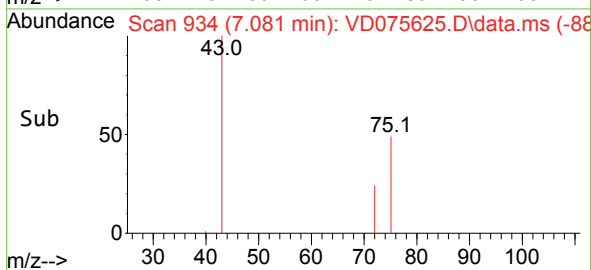
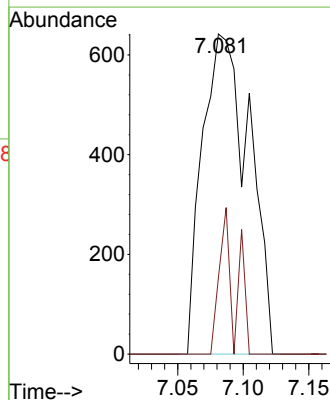
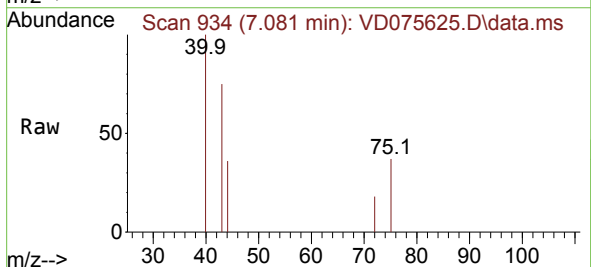
Instrument :
MSVOA_D
ClientSampleId :
20230215-6-1

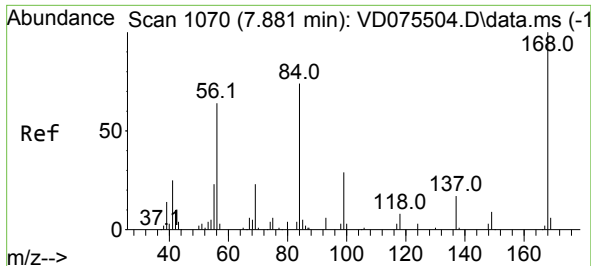
Tgt Ion:	84	Resp:	11153
Ion	Ratio	Lower	Upper
84	100		
49	84.3	106.4	159.6#
51	26.8	32.4	48.6#
86	57.9	50.9	76.3



#25
2-Butanone
Concen: 7.003 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD075625.D
Acq: 11 Apr 2023 17:38

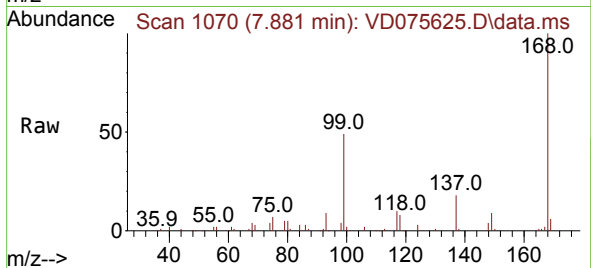
Tgt Ion:	43	Resp:	1596
Ion	Ratio	Lower	Upper
43	100		
72	24.0	19.8	29.8



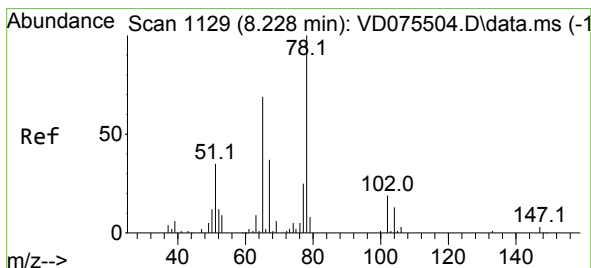
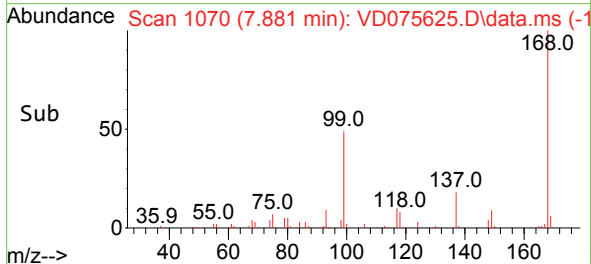
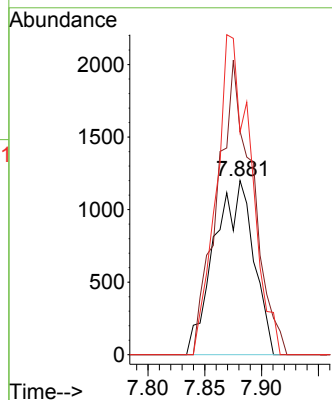


#31
Cyclohexane
Concen: 2.056 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD075625.D
Acq: 11 Apr 2023 17:38

Instrument :
MSVOA_D
ClientSampleId :
20230215-6-1

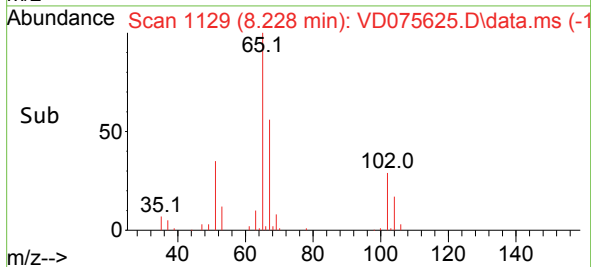
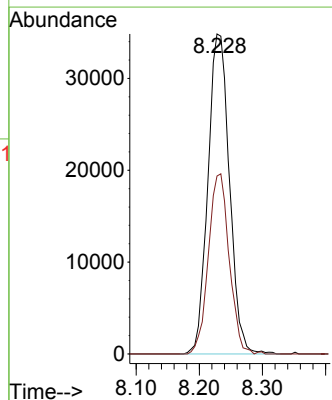
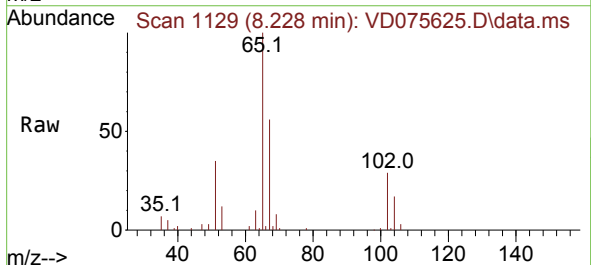


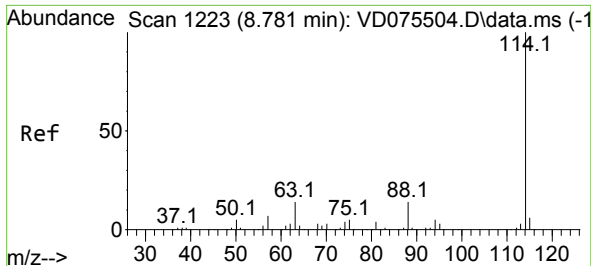
Tgt Ion: 56 Resp: 2883
Ion Ratio Lower Upper
56 100
69 128.3 25.5 38.3#
84 127.8 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 85.571 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD075625.D
Acq: 11 Apr 2023 17:38

Tgt Ion: 65 Resp: 82472
Ion Ratio Lower Upper
65 100
67 54.5 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD075625.D

Acq: 11 Apr 2023 17:38

Instrument :

MSVOA_D

ClientSampleId :

20230215-6-1

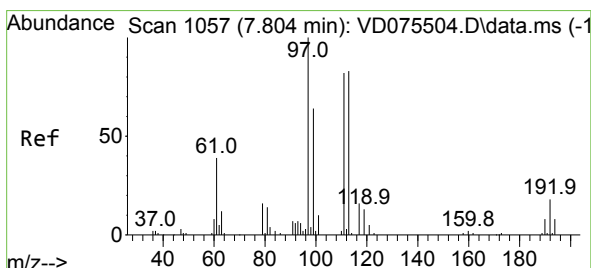
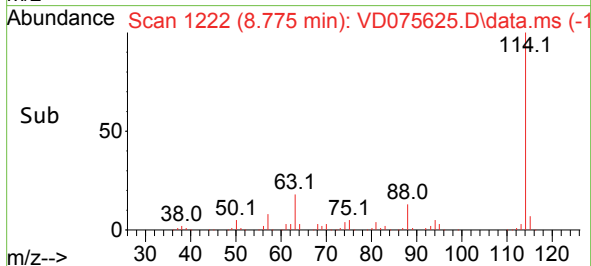
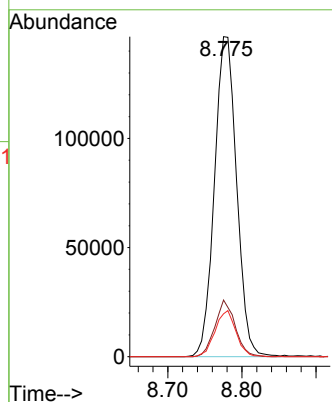
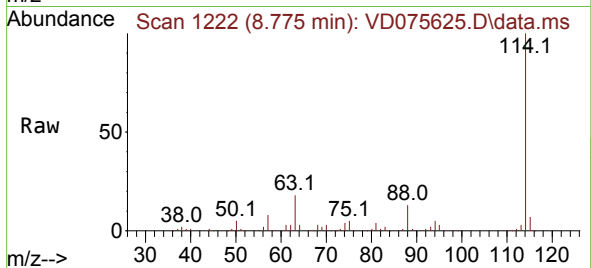
Tgt Ion:114 Resp: 304446

Ion Ratio Lower Upper

114 100

63 17.7 0.0 41.6

88 13.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 64.501 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD075625.D

Acq: 11 Apr 2023 17:38

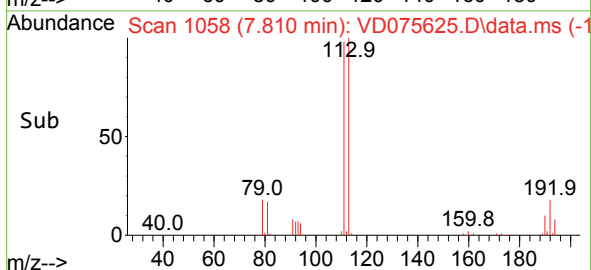
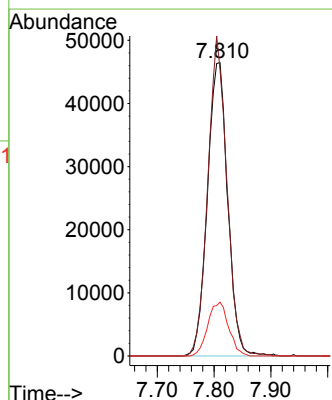
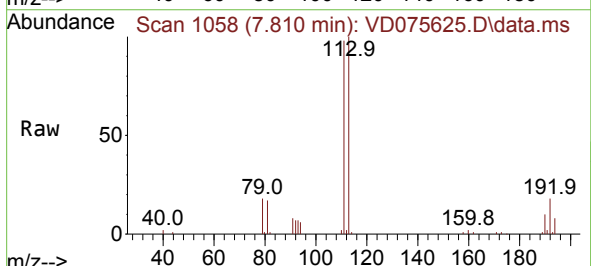
Tgt Ion:113 Resp: 115084

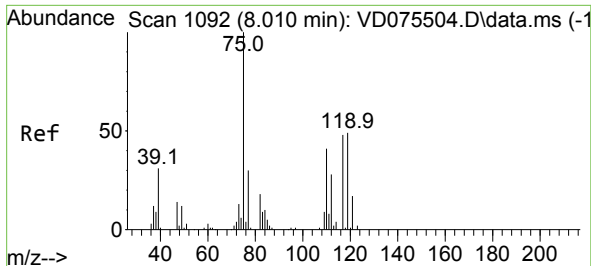
Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 18.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 3.760 ug/l

RT: 7.875 min Scan# 1092

Delta R.T. -0.129 min

Lab File: VD075625.D

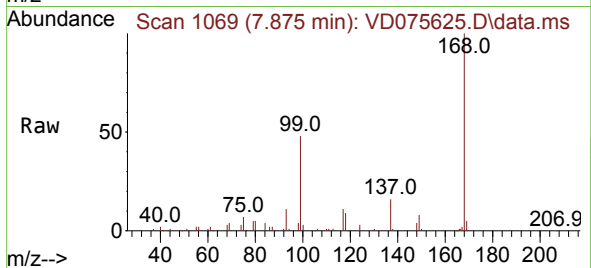
Acq: 11 Apr 2023 17:38

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20230215-6-1



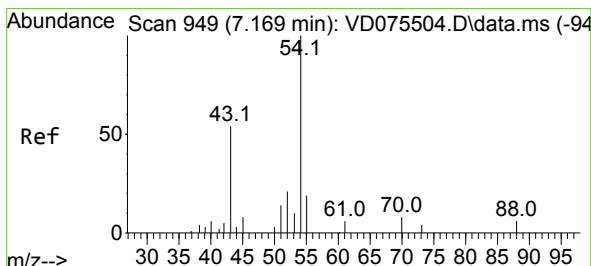
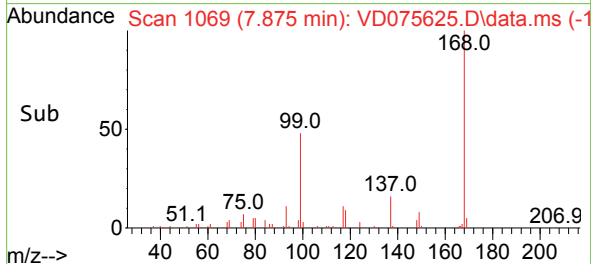
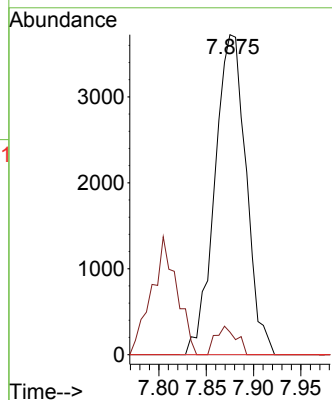
Tgt Ion: 75 Resp: 8568

Ion Ratio Lower Upper

75 100

110 5.9 17.1 51.2#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 2.330 ug/l

RT: 7.081 min Scan# 934

Delta R.T. -0.088 min

Lab File: VD075625.D

Acq: 11 Apr 2023 17:38

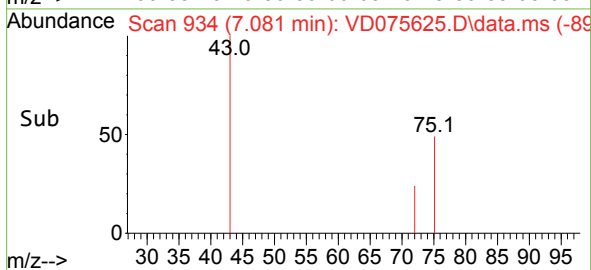
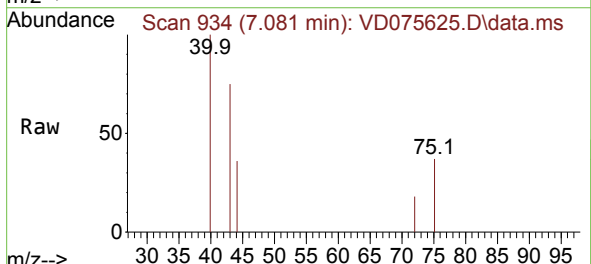
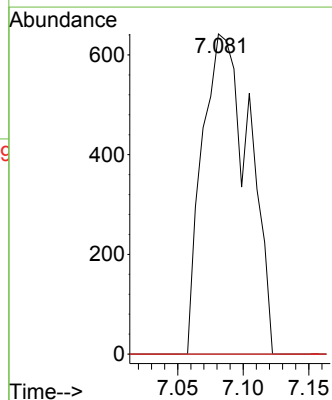
Tgt Ion: 43 Resp: 1596

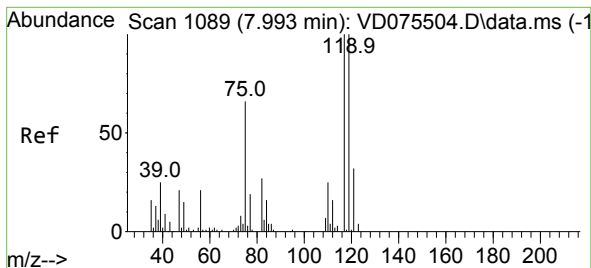
Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

70 0.0 5.6 8.4#





#38

Carbon Tetrachloride

Concen: 5.195 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075625.D

Acq: 11 Apr 2023 17:38

Instrument :

MSVOA_D

ClientSampleId :

20230215-6-1

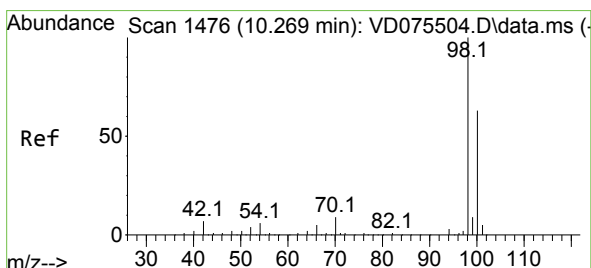
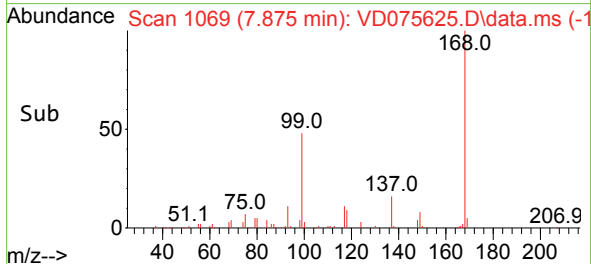
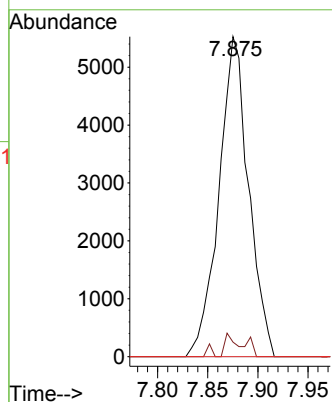
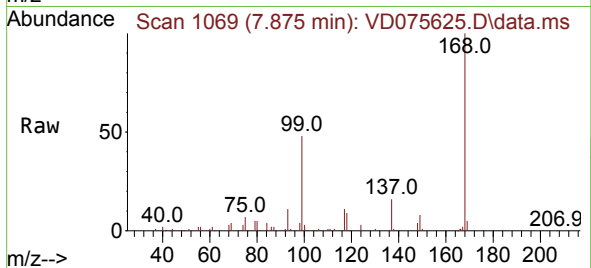
Tgt Ion:117 Resp: 11353

Ion Ratio Lower Upper

117 100

119 4.6 74.7 112.1#

121 0.0 25.9 38.9#



#50

Toluene-d8

Concen: 59.018 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075625.D

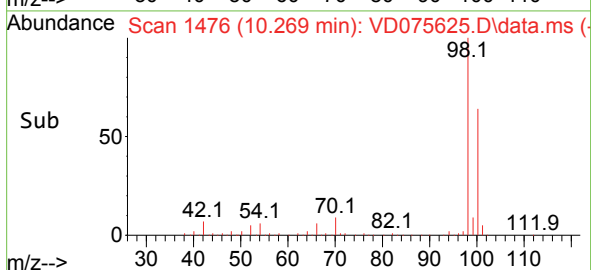
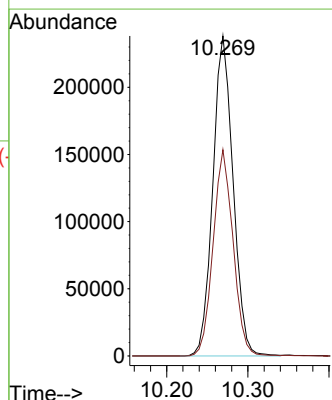
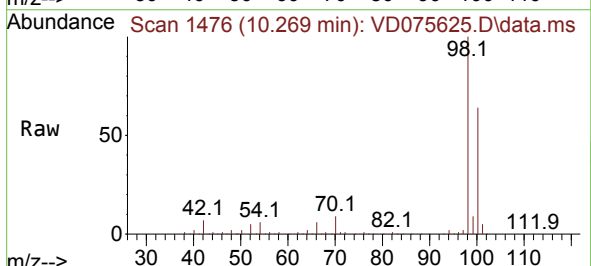
Acq: 11 Apr 2023 17:38

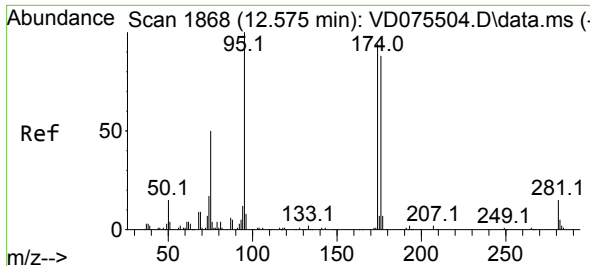
Tgt Ion: 98 Resp: 413030

Ion Ratio Lower Upper

98 100

100 63.5 52.1 78.1

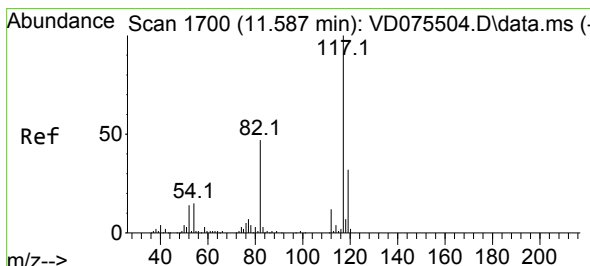
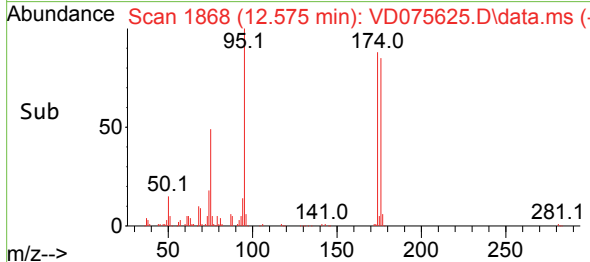
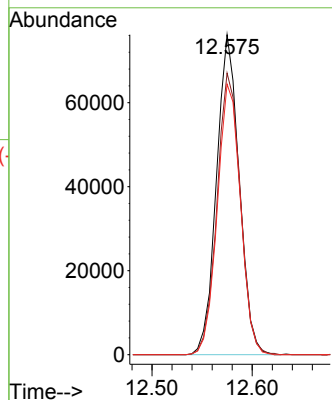
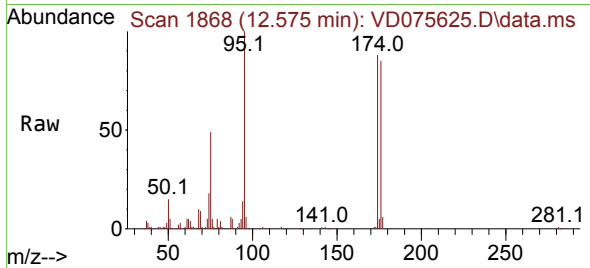




#62
4-Bromofluorobenzene
Concen: 55.290 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075625.D
Acq: 11 Apr 2023 17:38

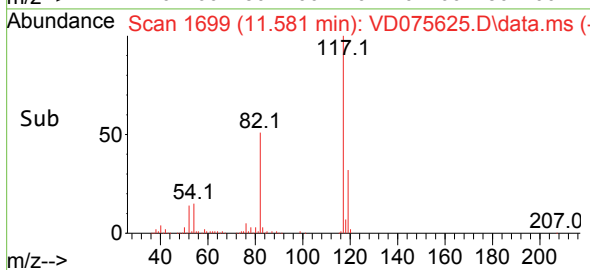
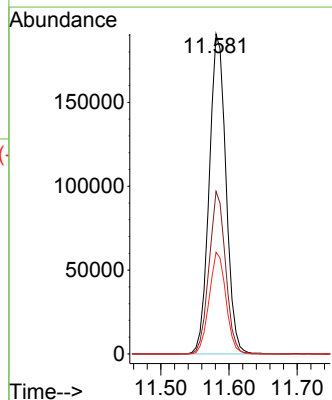
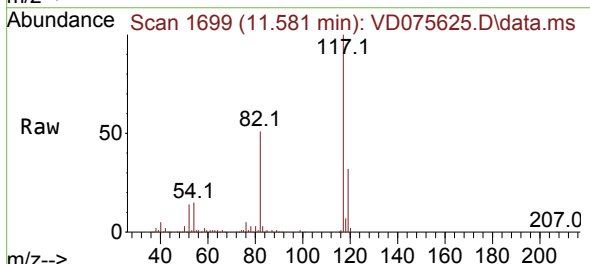
Instrument :
MSVOA_D
ClientSampleId :
20230215-6-1

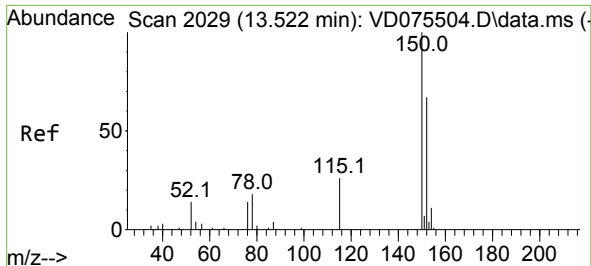
Tgt Ion: 95 Resp: 119781
Ion Ratio Lower Upper
95 100
174 90.2 0.0 164.0
176 86.5 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075625.D
Acq: 11 Apr 2023 17:38

Tgt Ion: 117 Resp: 326392
Ion Ratio Lower Upper
117 100
82 50.8 44.0 66.0
119 31.8 25.1 37.7

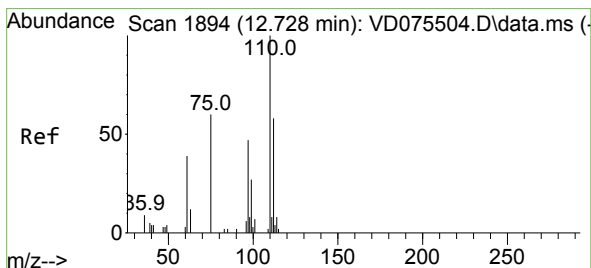
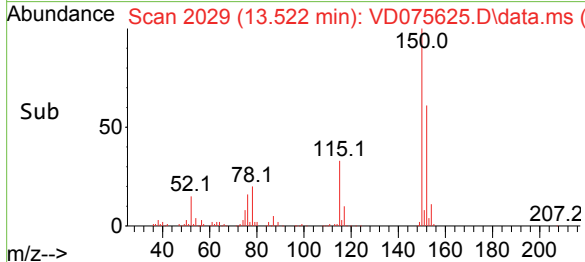
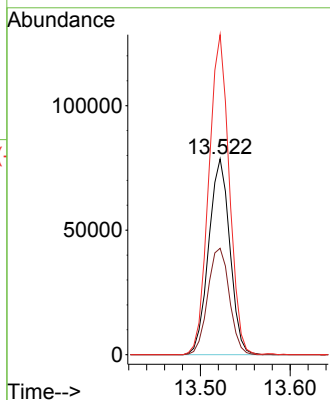
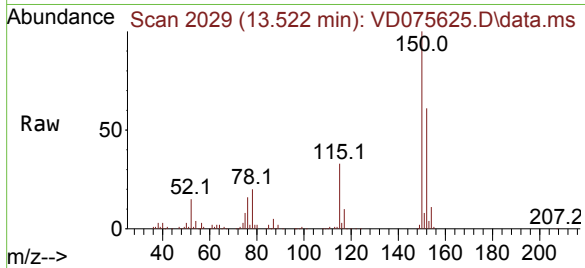




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: VD075625.D
 Acq: 11 Apr 2023 17:38

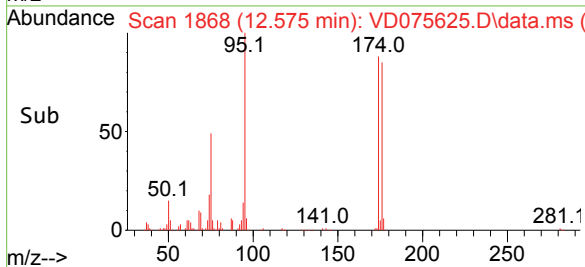
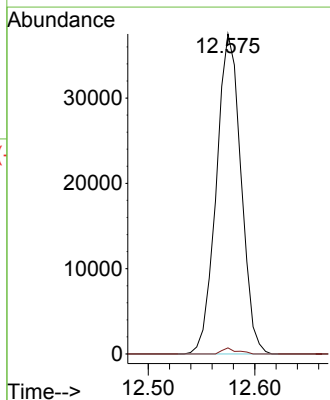
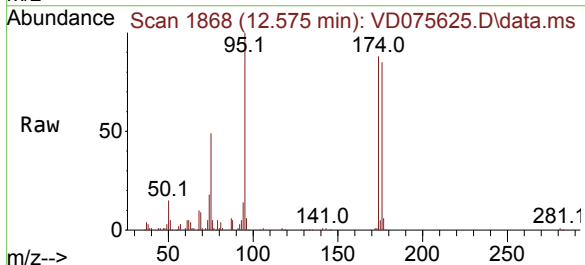
Instrument :
 MSVOA_D
 ClientSampleId :
 20230215-6-1

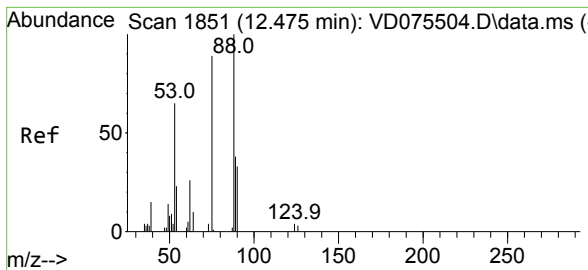
Tgt Ion:152 Resp: 128881
 Ion Ratio Lower Upper
 152 100
 115 55.5 30.1 90.3
 150 157.6 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 59.715 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075625.D
 Acq: 11 Apr 2023 17:38

Tgt Ion: 75 Resp: 60231
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.859 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD075625.D
 Acq: 11 Apr 2023 17:38

Instrument :
 MSVOA_D
 ClientSampleId :
 20230215-6-1

Tgt Ion: 75 Resp: 60231
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 40.2 60.4#

