

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041123\
 Data File : VD075624.D
 Acq On : 11 Apr 2023 17:09
 Operator : KP/SY
 Sample : 02258-02
 Misc : 4.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20230211-5-1

Quant Time: Apr 12 02:57:57 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

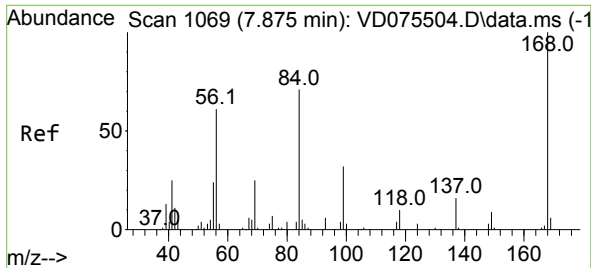
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	129686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	332401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	363875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	146742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	87415	82.166	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.340%#	
35) Dibromofluoromethane	7.804	113	121927	62.589	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.180%	
50) Toluene-d8	10.269	98	478969	62.684	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 125.360%	
62) 4-Bromofluorobenzene	12.575	95	138140	58.497	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	344	Below Cal	#	40
13) Acrolein	3.804	56	56	Below Cal	#	17
16) Acetone	4.022	43	6135	31.648	ug/l	90
17) Carbon Disulfide	4.275	76	110224	35.425	ug/l	98
20) Methylene Chloride	4.816	84	11705	Below Cal	#	62
25) 2-Butanone	7.075	43	1047	4.162	ug/l	92
31) Cyclohexane	7.881	56	2705	1.748	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	9482	3.811	ug/l #	45
37) Ethyl Acetate	7.075	43	1047	1.400	ug/l #	80
38) Carbon Tetrachloride	7.875	117	12206	5.116	ug/l #	19
51) 4-Methyl-2-Pentanone	10.263	43	1070	1.392	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	67013	58.352	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	67013	133.736	ug/l #	5

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

Quant Time: Apr 12 02:57:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
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Response via : Initial Calibration

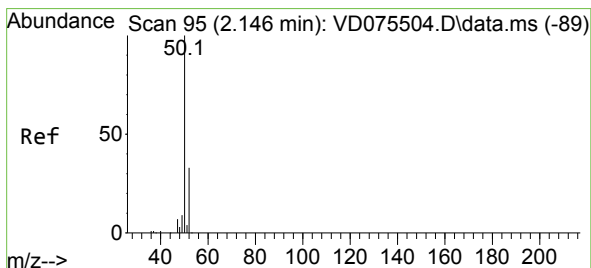
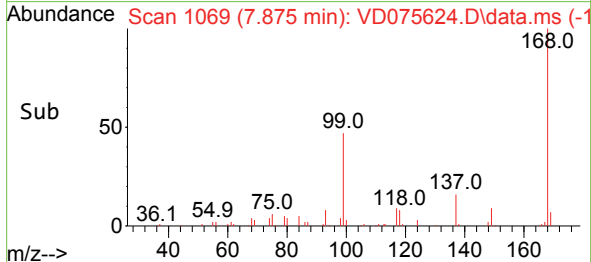
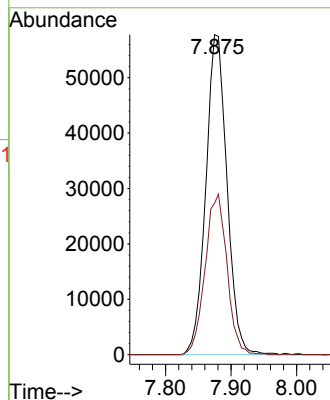
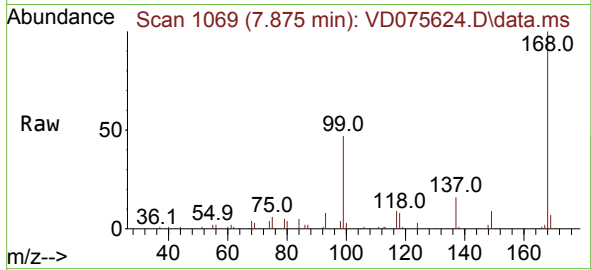




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

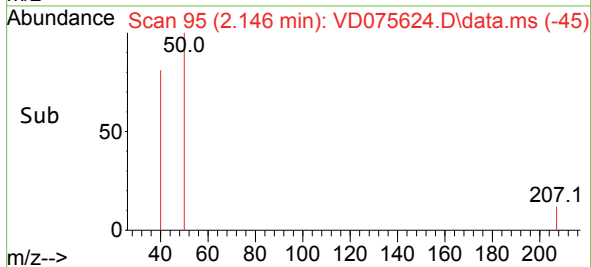
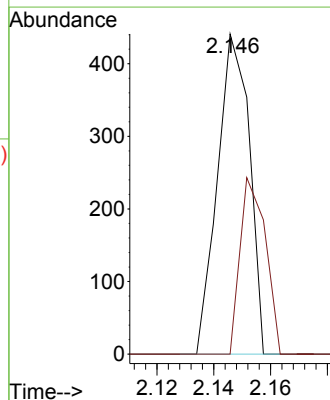
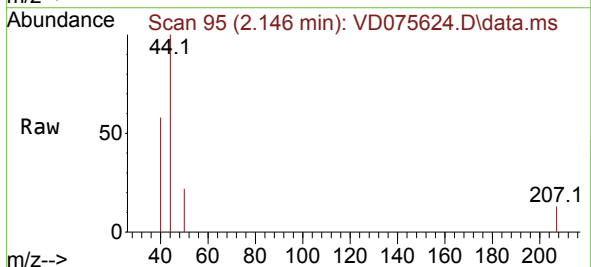
Instrument :
MSVOA_D
ClientSampleId :
20230211-5-1

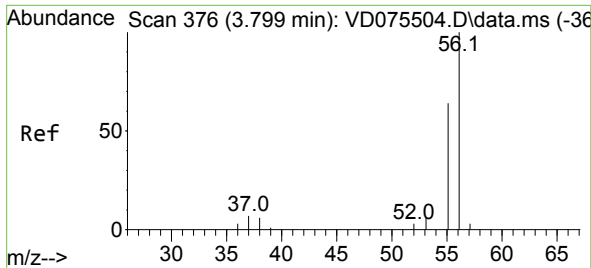
Tgt Ion:168 Resp: 129686
Ion Ratio Lower Upper
168 100
99 47.3 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.006 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

Tgt Ion: 50 Resp: 344
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

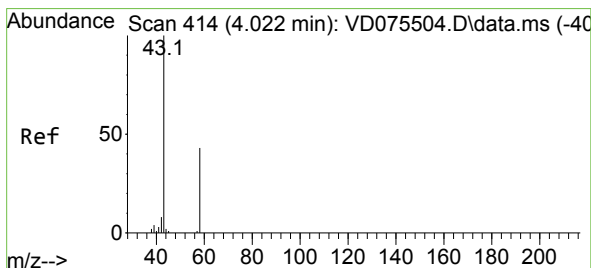
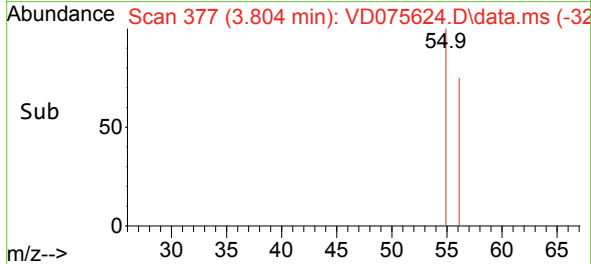
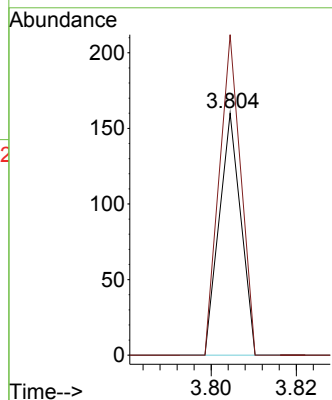
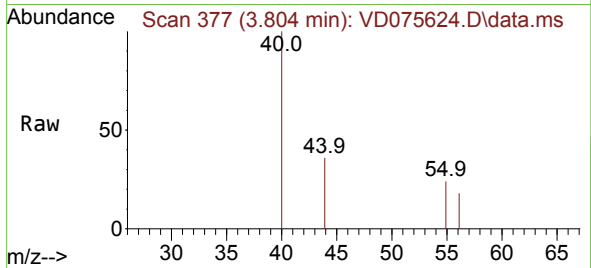




#13
Acrolein
Concen: Below Cal
RT: 3.804 min Scan# 31
Delta R.T. 0.011 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

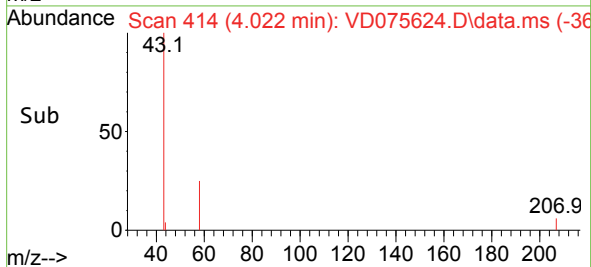
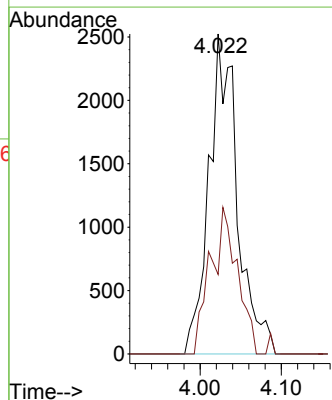
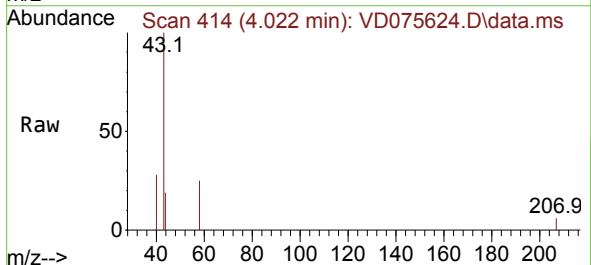
Instrument :
MSVOA_D
ClientSampleId :
20230211-5-1

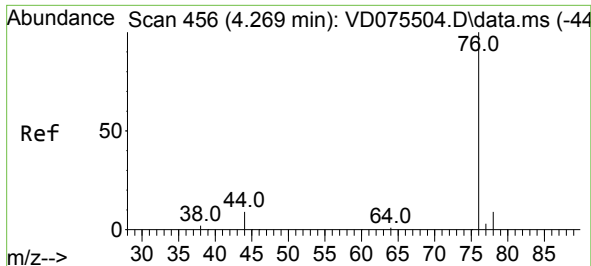
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 133.9 53.9 80.9#



#16
Acetone
Concen: 31.648 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

Tgt Ion: 43 Resp: 6135
Ion Ratio Lower Upper
43 100
58 24.8 24.4 36.6

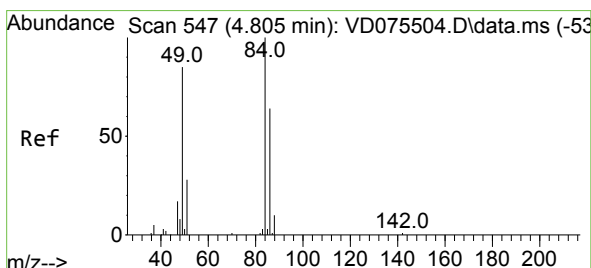
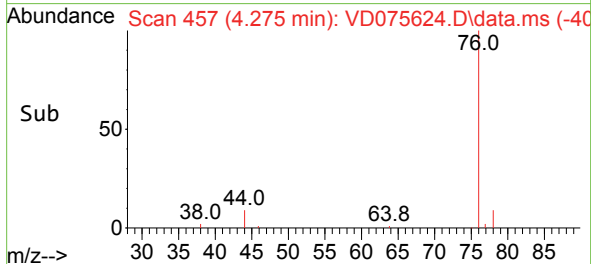
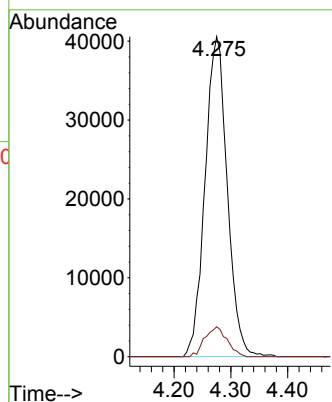
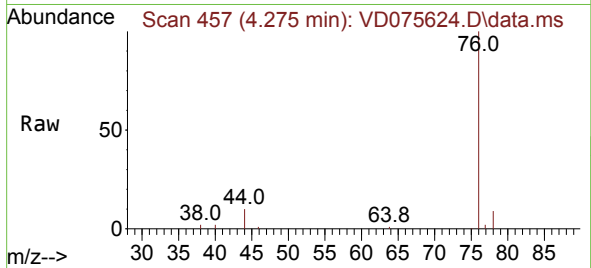




#17
Carbon Disulfide
Concen: 35.425 ug/l
RT: 4.275 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

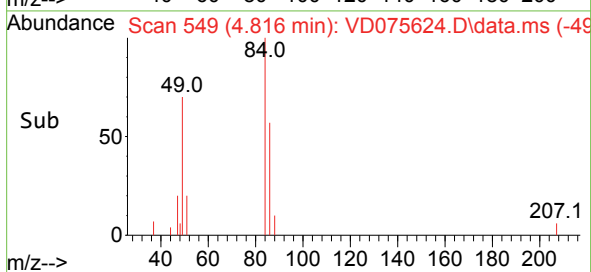
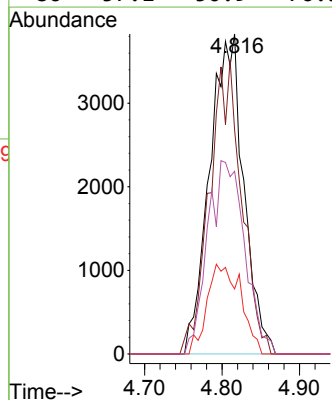
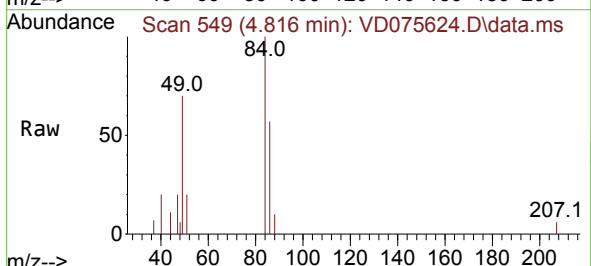
Instrument :
MSVOA_D
ClientSampleId :
20230211-5-1

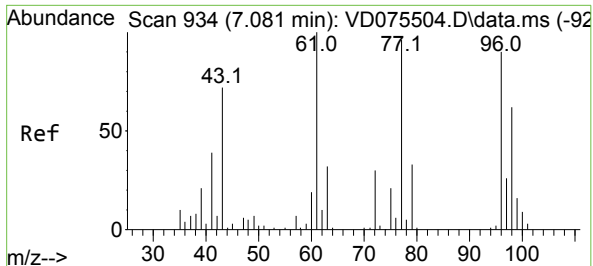
Tgt Ion: 76 Resp: 110224
Ion Ratio Lower Upper
76 100
78 9.4 8.0 12.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

Tgt Ion: 84 Resp: 11705
Ion Ratio Lower Upper
84 100
49 70.1 106.4 159.6#
51 20.3 32.4 48.6#
86 57.1 50.9 76.3

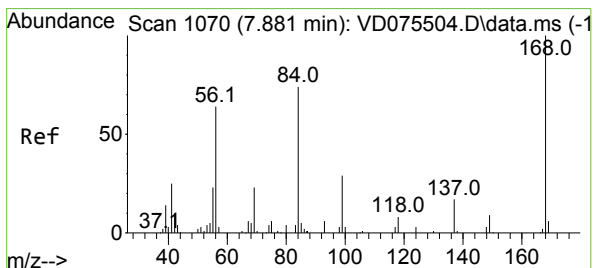
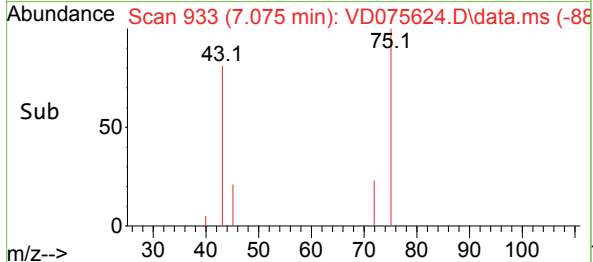
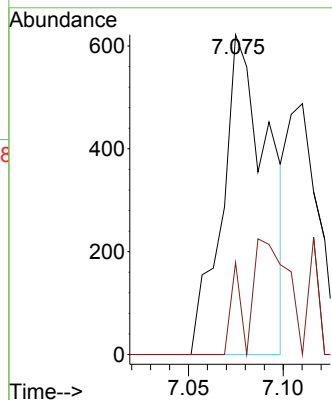
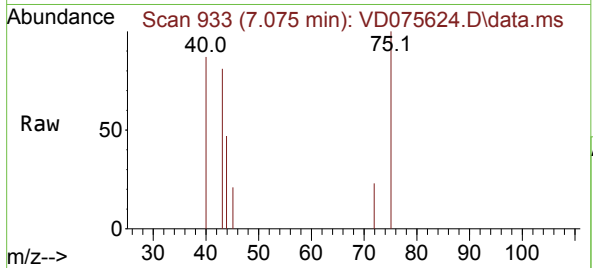




#25
2-Butanone
Concen: 4.162 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

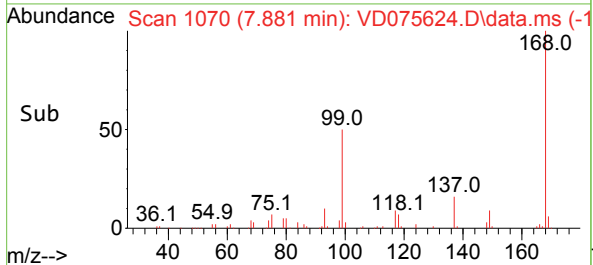
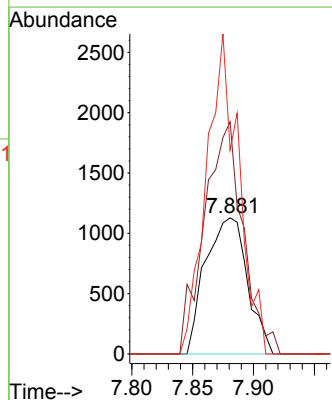
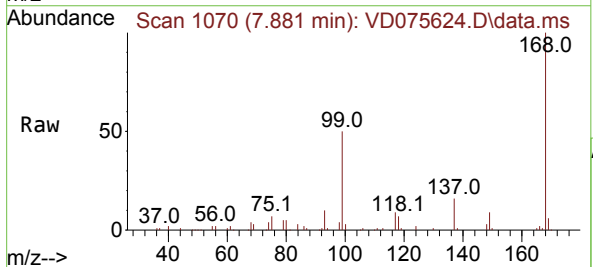
Instrument :
MSVOA_D
ClientSampleId :
20230211-5-1

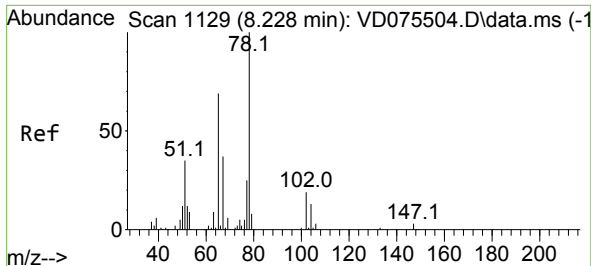
Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
72 28.8 19.8 29.8



#31
Cyclohexane
Concen: 1.748 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

Tgt Ion: 56 Resp: 2705
Ion Ratio Lower Upper
56 100
69 170.5 25.5 38.3#
84 149.7 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 82.166 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD075624.D

Acq: 11 Apr 2023 17:09

Instrument :

MSVOA_D

ClientSampleId :

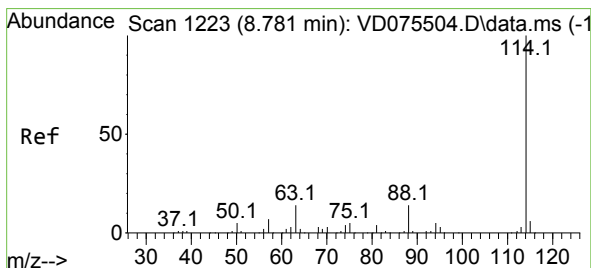
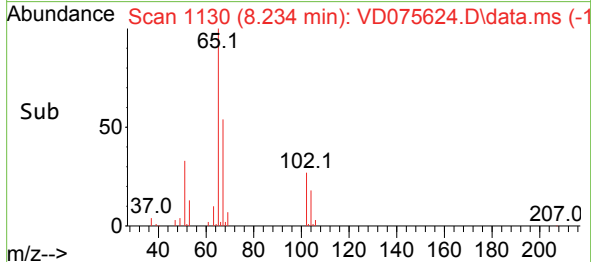
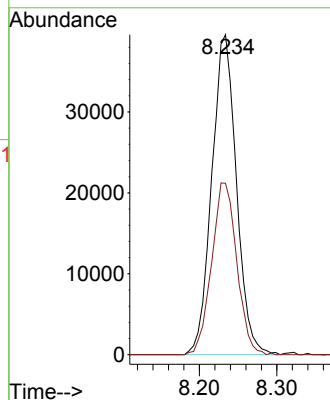
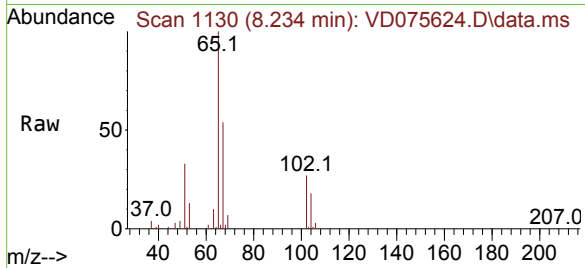
20230211-5-1

Tgt Ion: 65 Resp: 87415

Ion Ratio Lower Upper

65 100

67 54.8 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD075624.D

Acq: 11 Apr 2023 17:09

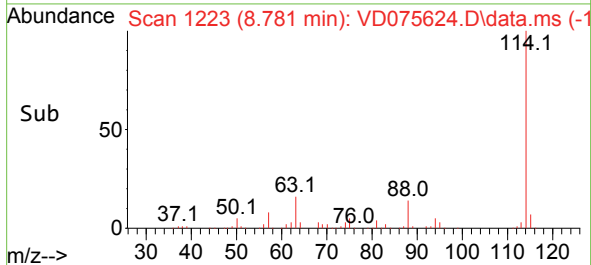
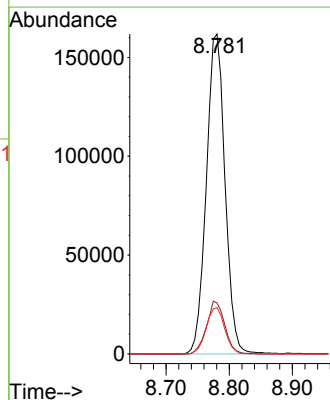
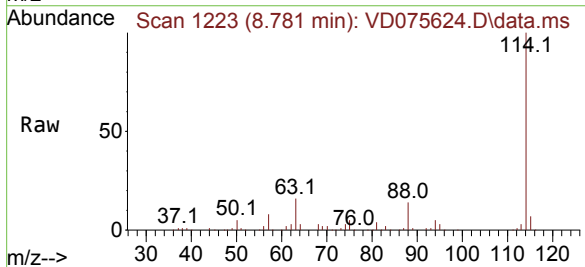
Tgt Ion: 114 Resp: 332401

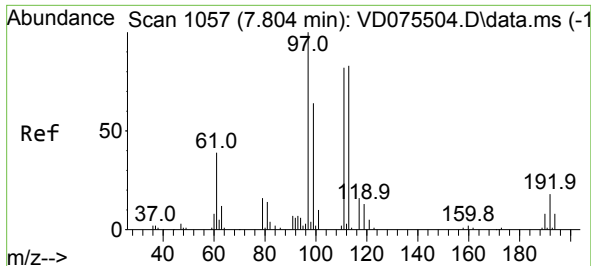
Ion Ratio Lower Upper

114 100

63 16.0 0.0 41.6

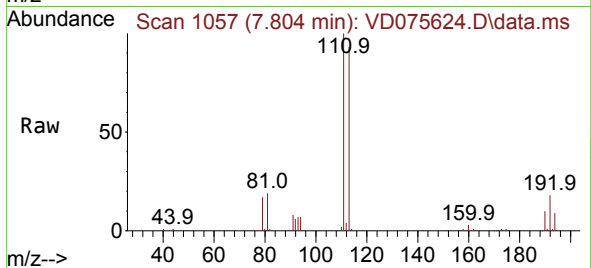
88 14.5 0.0 30.6



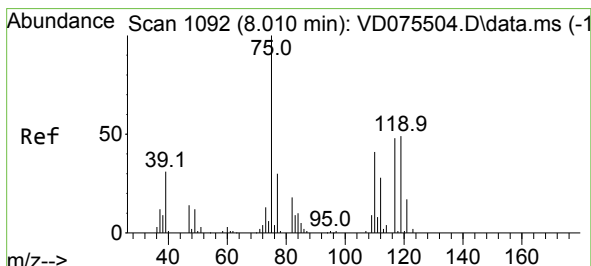
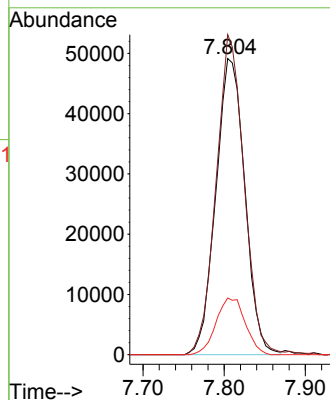
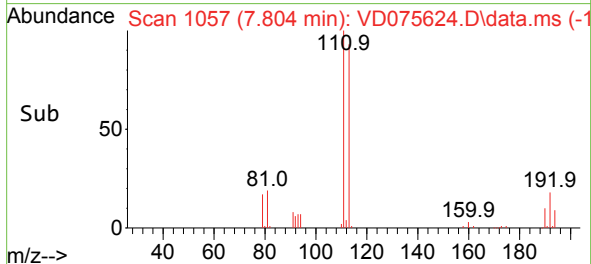


#35
Dibromofluoromethane
Concen: 62.589 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

Instrument :
MSVOA_D
ClientSampleId :
20230211-5-1

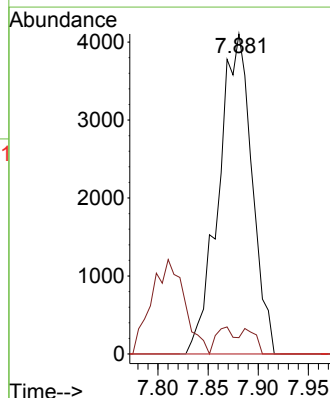
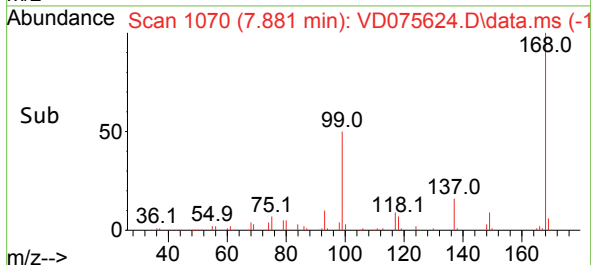
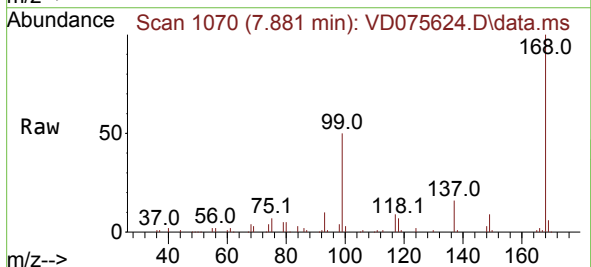


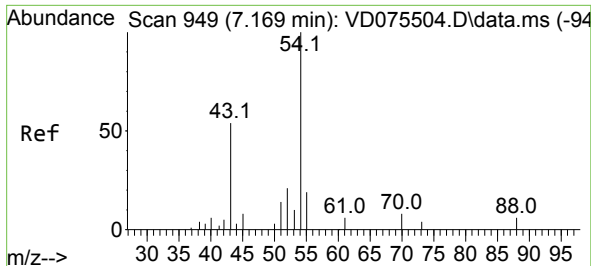
Tgt Ion:113 Resp: 121927
Ion Ratio Lower Upper
113 100
111 104.6 81.4 122.0
192 19.3 15.2 22.8



#36
1,1-Dichloropropene
Concen: 3.811 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

Tgt Ion: 75 Resp: 9482
Ion Ratio Lower Upper
75 100
110 3.2 17.1 51.2#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.400 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.094 min

Lab File: VD075624.D

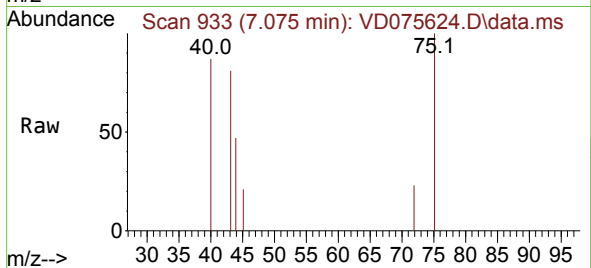
Acq: 11 Apr 2023 17:09

Instrument :

MSVOA_D

ClientSampleId :

20230211-5-1



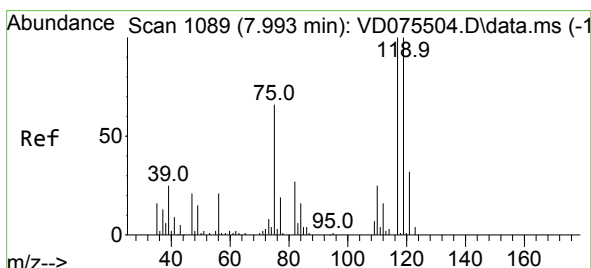
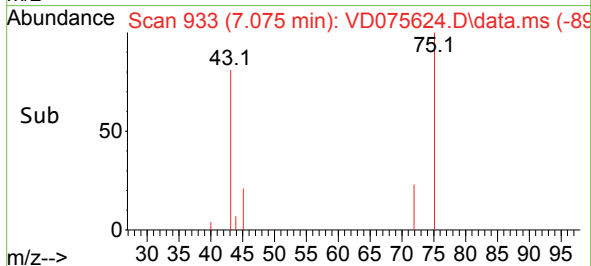
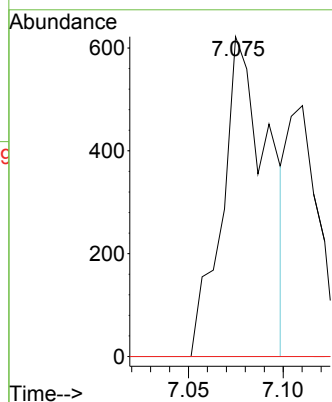
Tgt Ion: 43 Resp: 1047

Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

70 0.0 5.6 8.4#



#38

Carbon Tetrachloride

Concen: 5.116 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075624.D

Acq: 11 Apr 2023 17:09

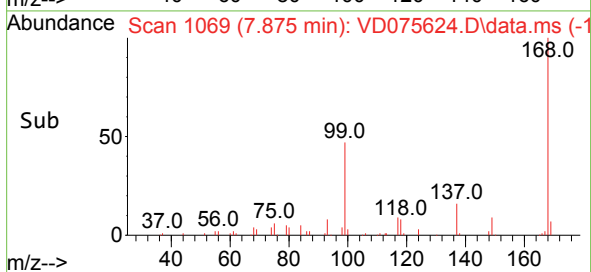
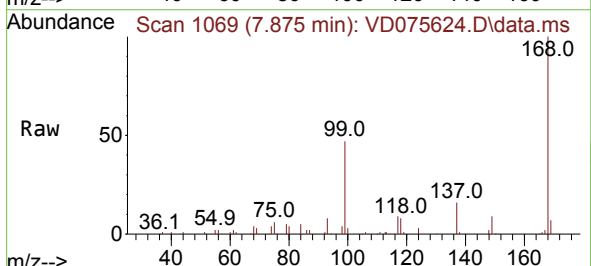
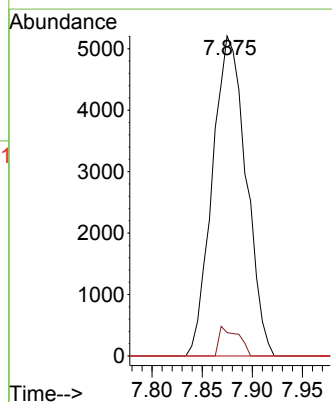
Tgt Ion: 117 Resp: 12206

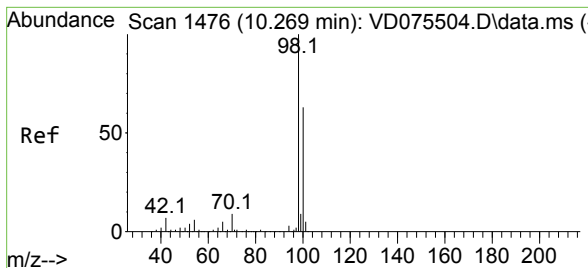
Ion Ratio Lower Upper

117 100

119 7.3 74.7 112.1#

121 0.0 25.9 38.9#

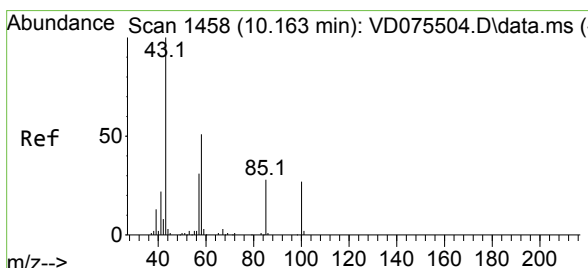
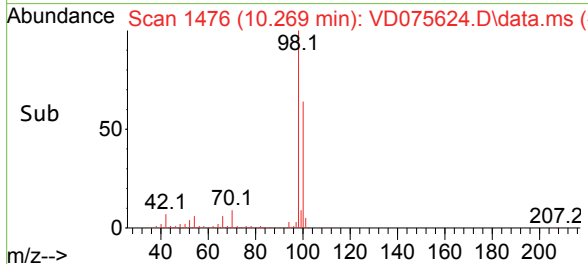
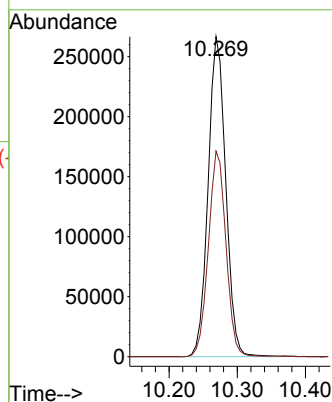
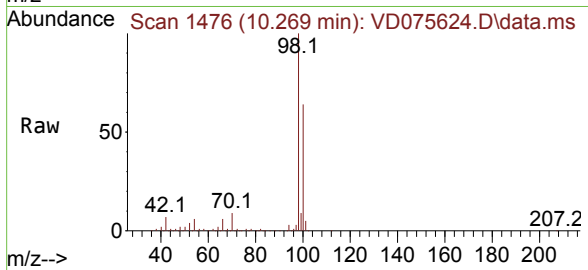




#50
Toluene-d8
Concen: 62.684 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

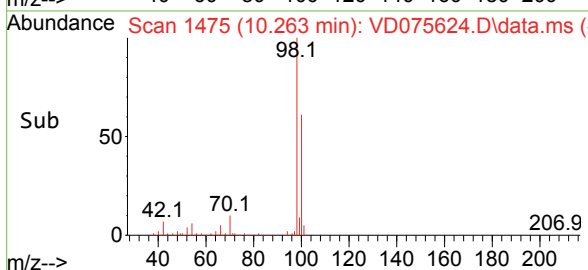
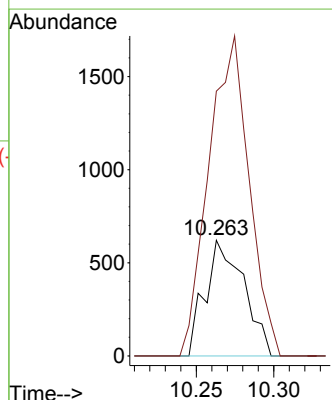
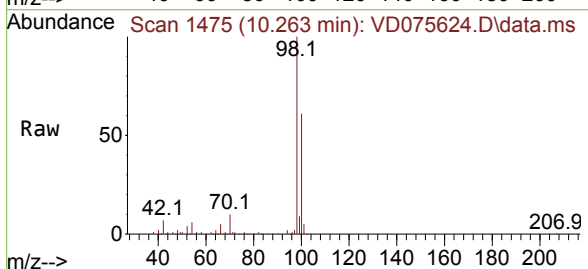
Instrument : MSVOA_D
ClientSampleId : 20230211-5-1

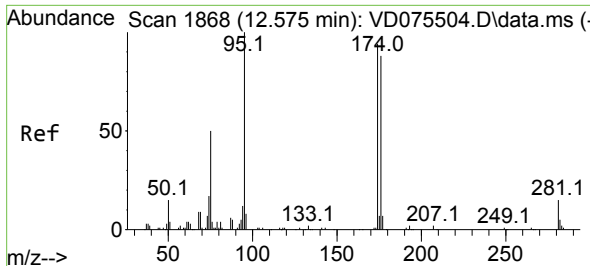
Tgt Ion: 98 Resp: 478969
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.392 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

Tgt Ion: 43 Resp: 1070
Ion Ratio Lower Upper
43 100
58 290.3 29.5 44.3#

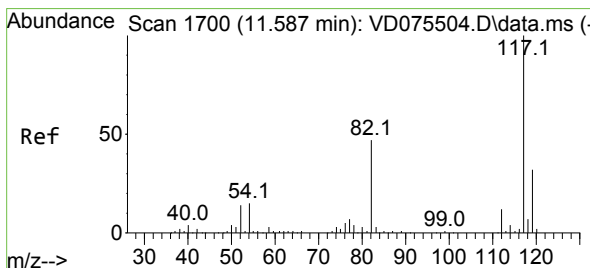
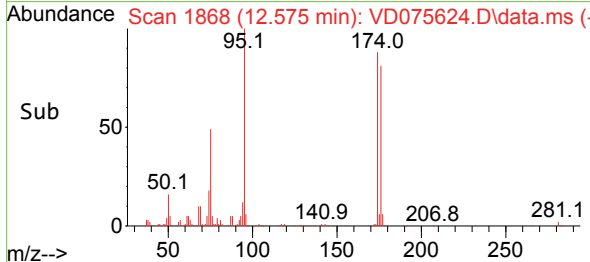
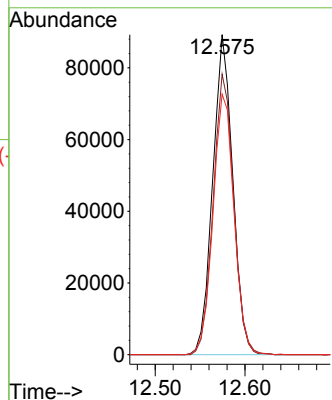
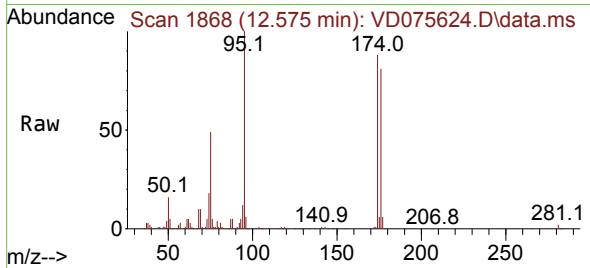




#62
4-Bromofluorobenzene
Concen: 58.497 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

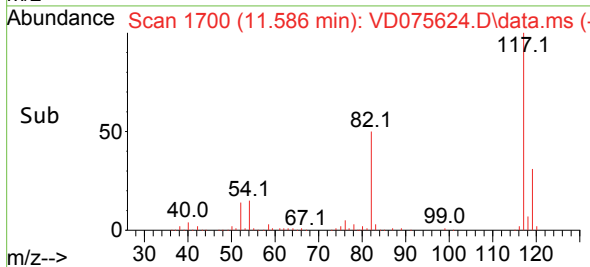
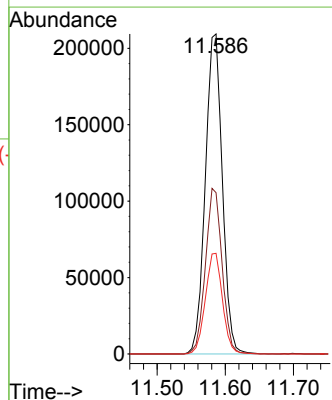
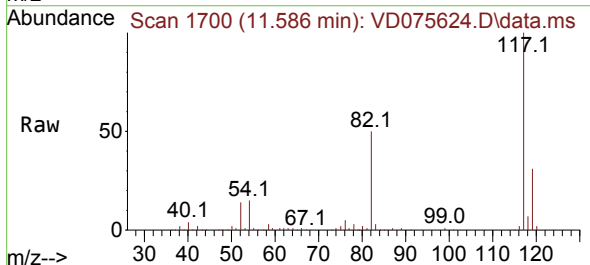
Instrument :
MSVOA_D
ClientSampleId :
20230211-5-1

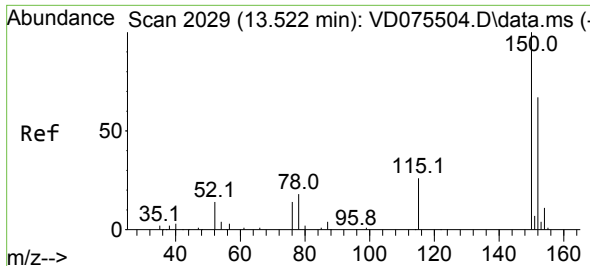
Tgt Ion: 95 Resp: 138140
Ion Ratio Lower Upper
95 100
174 90.2 0.0 164.0
176 85.4 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075624.D
Acq: 11 Apr 2023 17:09

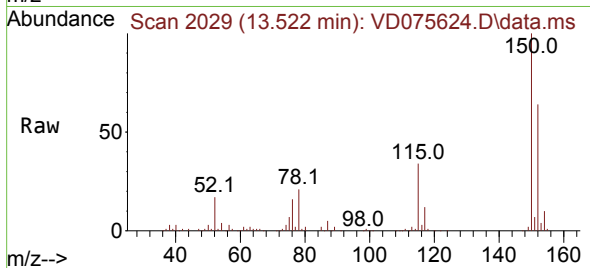
Tgt Ion: 117 Resp: 363875
Ion Ratio Lower Upper
117 100
82 50.4 44.0 66.0
119 31.4 25.1 37.7



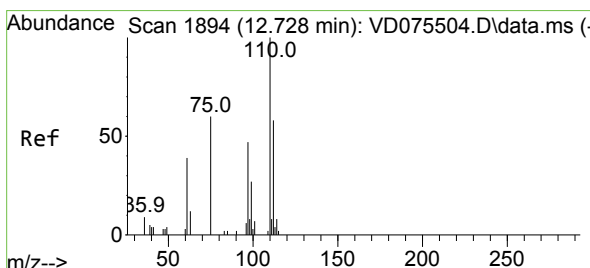
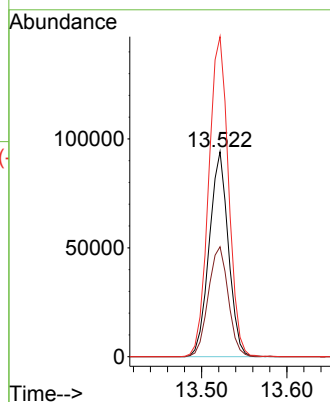
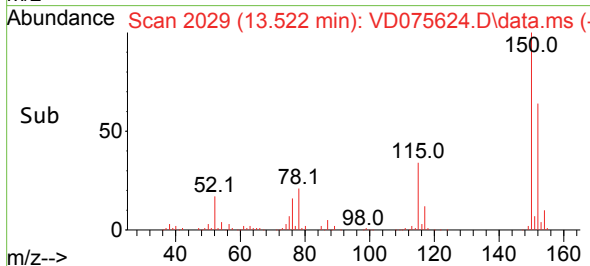


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD075624.D
 Acq: 11 Apr 2023 17:09

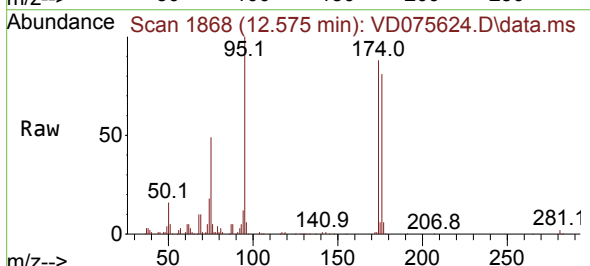
Instrument :
 MSVOA_D
 ClientSampleId :
 20230211-5-1



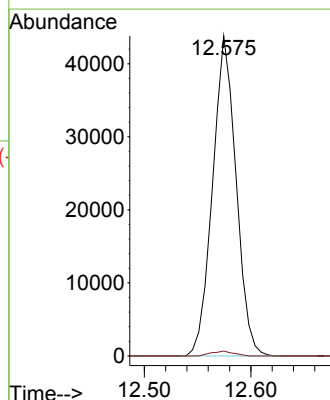
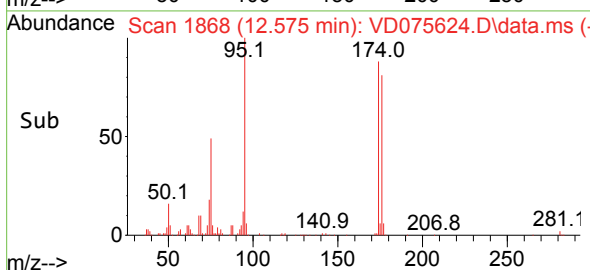
Tgt Ion:152 Resp: 146742
 Ion Ratio Lower Upper
 152 100
 115 55.9 30.1 90.3
 150 161.6 0.0 364.8

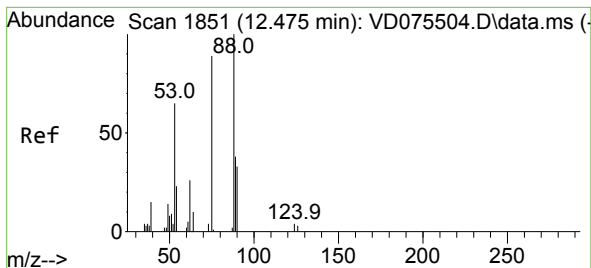


#76
 1,2,3-Trichloropropane
 Concen: 58.352 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075624.D
 Acq: 11 Apr 2023 17:09



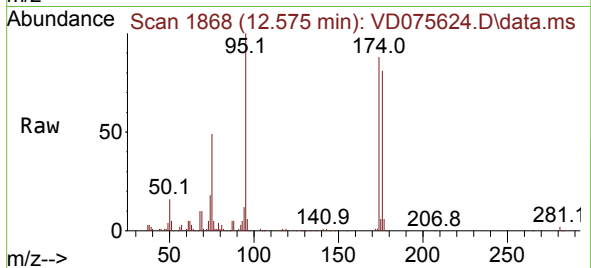
Tgt Ion: 75 Resp: 67013
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.736 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD075624.D
 Acq: 11 Apr 2023 17:09

Instrument :
 MSVOA_D
 ClientSampleId :
 20230211-5-1



Tgt Ion: 75 Resp: 67013
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 40.2 60.4#

