

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075684.D
 Acq On : 14 Apr 2023 17:30
 Operator : KP/SY
 Sample : 02258-03RE
 Misc : 3.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20230215-6-1

Quant Time: Apr 17 09:12:36 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)

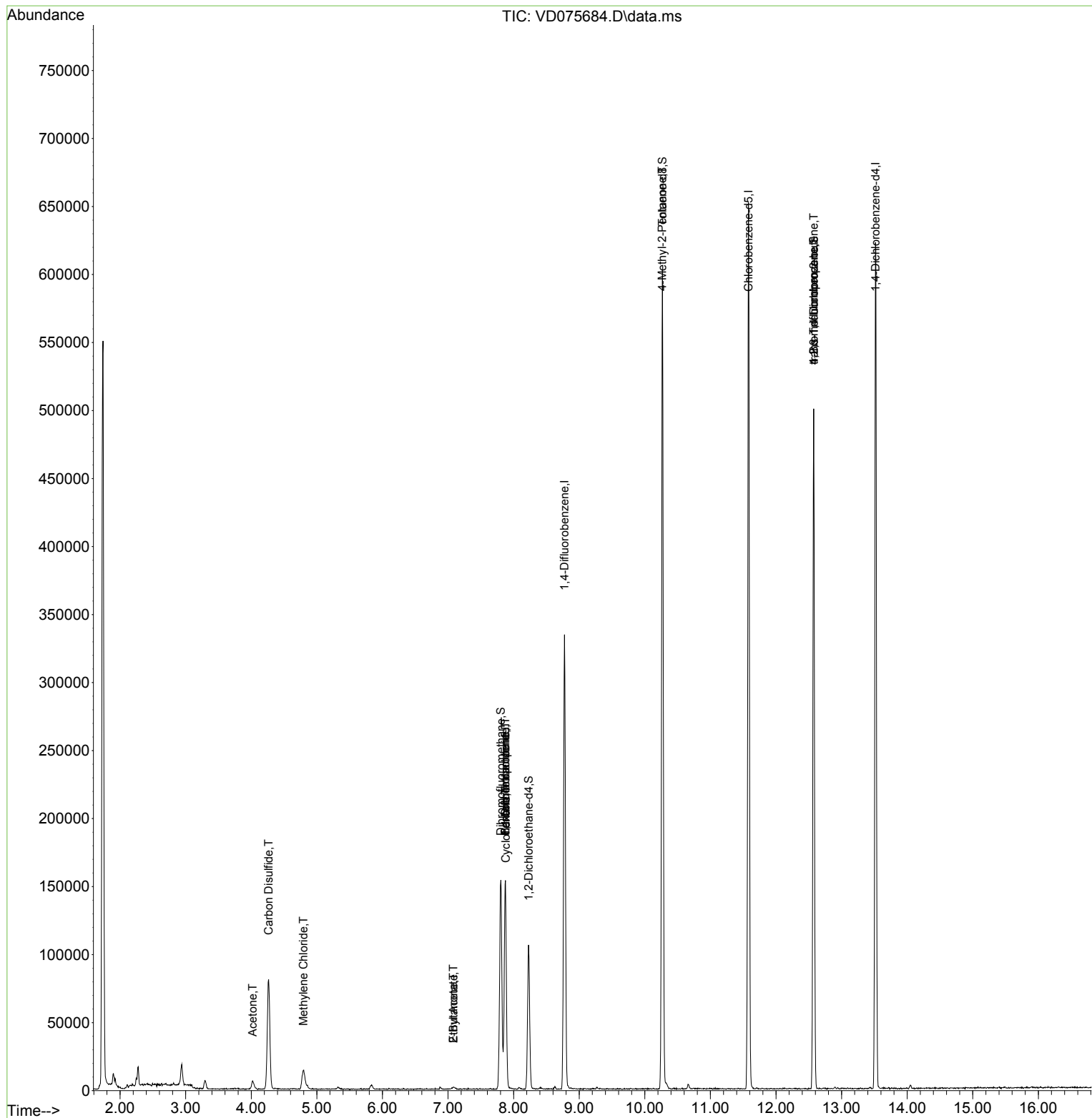
Internal Standards						
1) Pentafluorobenzene	7.875	168	124990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	320622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	406854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	182376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80843	68.142	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.280%			
35) Dibromofluoromethane	7.805	113	115371	53.499	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.000%			
50) Toluene-d8	10.269	98	436853	50.586	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.180%			
62) 4-Bromofluorobenzene	12.575	95	157978	68.824	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 137.640%			
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	9571	44.035	ug/l	96
17) Carbon Disulfide	4.264	76	173105	37.785	ug/l	98
20) Methylene Chloride	4.793	84	12593	3.169	ug/l #	69
25) 2-Butanone	7.081	43	1206	4.310	ug/l #	67
31) Cyclohexane	7.881	56	2766	1.486	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	8246	2.772	ug/l #	52
37) Ethyl Acetate	7.081	43	1206	1.332	ug/l #	80
38) Carbon Tetrachloride	7.875	117	11130	4.248	ug/l #	19
51) 4-Methyl-2-Pentanone	10.263	43	1035	1.176	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	78223	52.595	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	78223	113.995	ug/l #	5

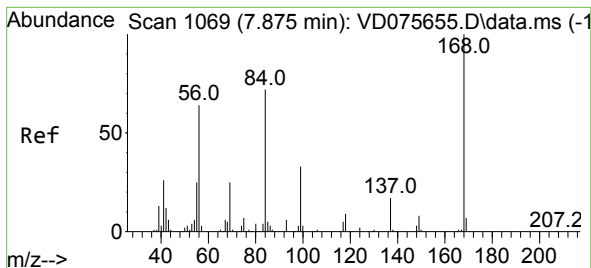
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD075684.D

Acq: 14 Apr 2023 17:30

Instrument :

MSVOA_D

ClientSampleId :

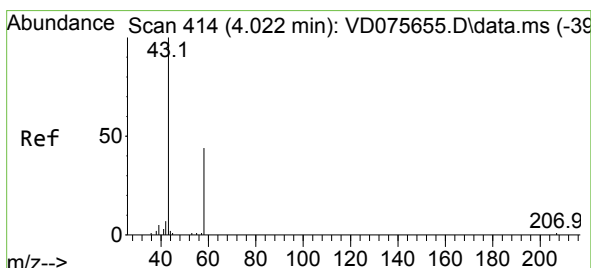
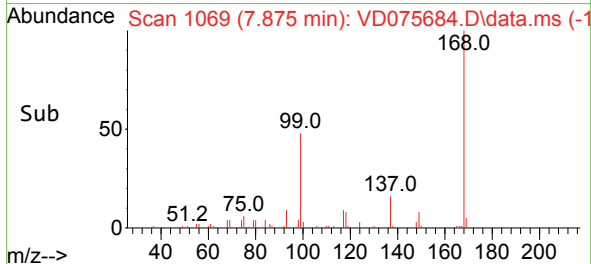
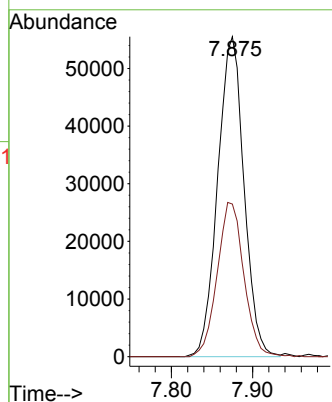
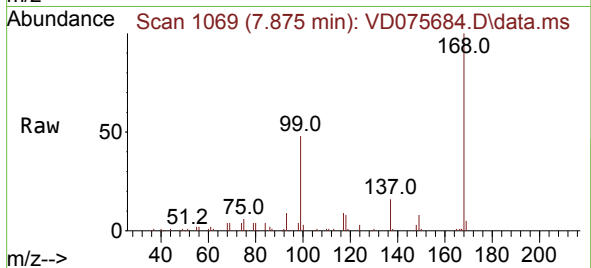
20230215-6-1

Tgt Ion:168 Resp: 124990

Ion Ratio Lower Upper

168 100

99 47.7 43.8 65.6



#16

Acetone

Concen: 44.035 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD075684.D

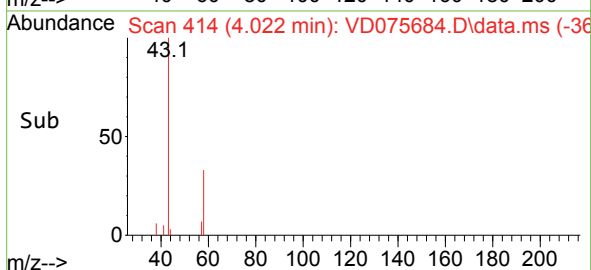
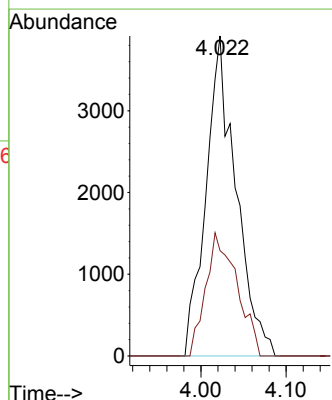
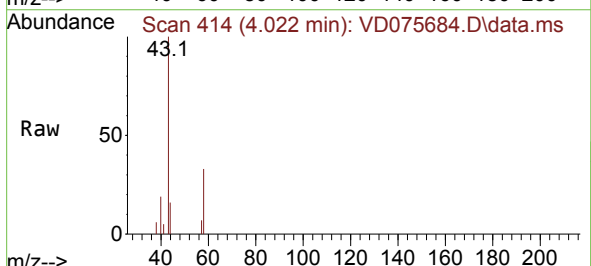
Acq: 14 Apr 2023 17:30

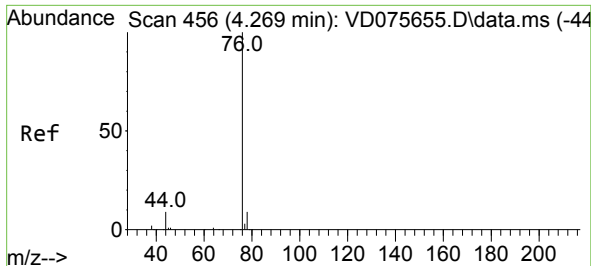
Tgt Ion: 43 Resp: 9571

Ion Ratio Lower Upper

43 100

58 32.9 24.4 36.6

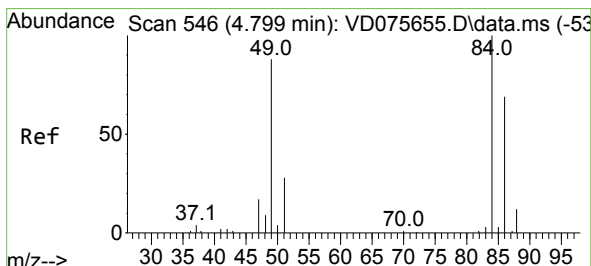
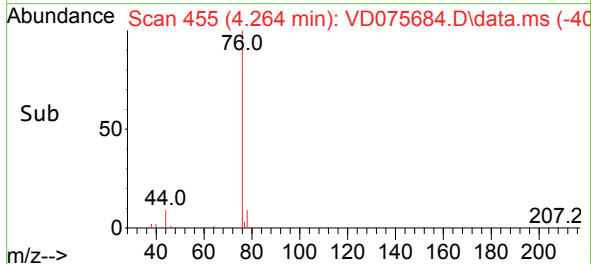
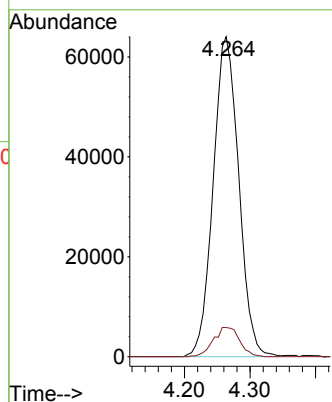
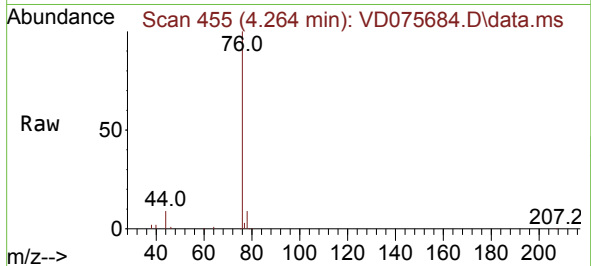




#17
Carbon Disulfide
Concen: 37.785 ug/l
RT: 4.264 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD075684.D
Acq: 14 Apr 2023 17:30

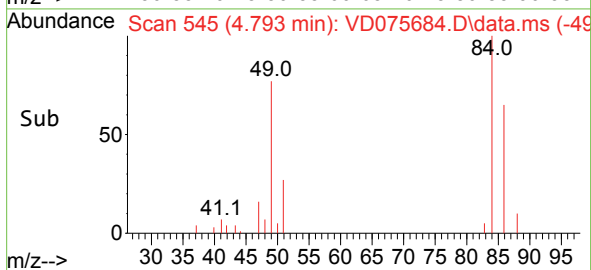
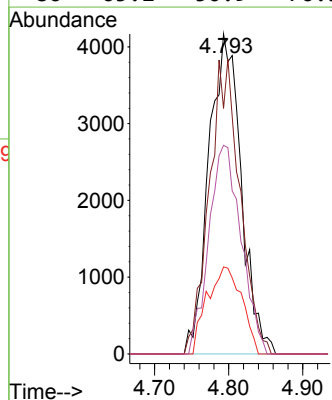
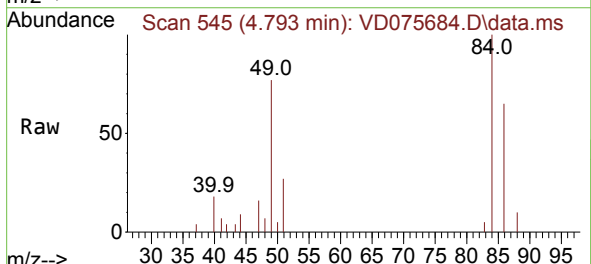
Instrument :
MSVOA_D
ClientSampleId :
20230215-6-1

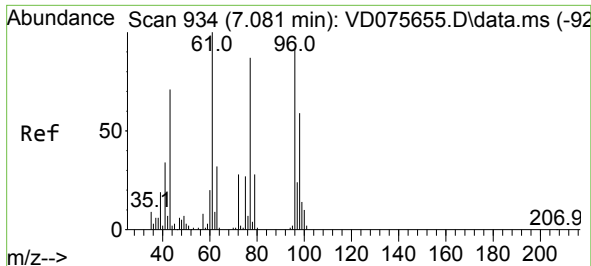
Tgt Ion: 76 Resp: 173105
Ion Ratio Lower Upper
76 100
78 9.1 8.0 12.0



#20
Methylene Chloride
Concen: 3.169 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD075684.D
Acq: 14 Apr 2023 17:30

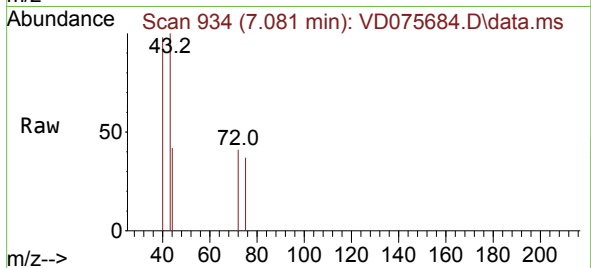
Tgt Ion: 84 Resp: 12593
Ion Ratio Lower Upper
84 100
49 76.8 106.4 159.6#
51 27.2 32.4 48.6#
86 65.2 50.9 76.3



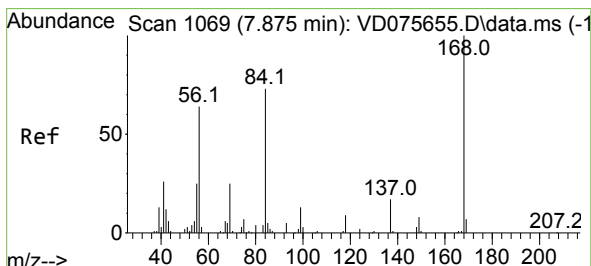
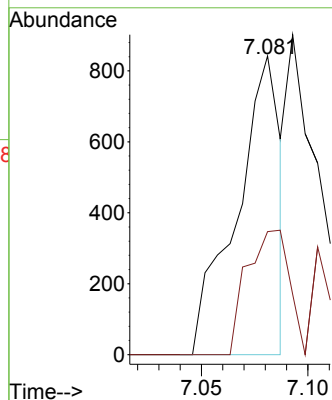
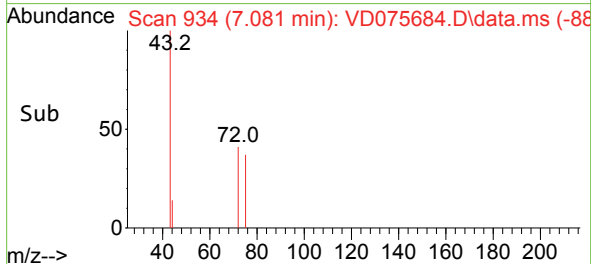


#25
2-Butanone
Concen: 4.310 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD075684.D
Acq: 14 Apr 2023 17:30

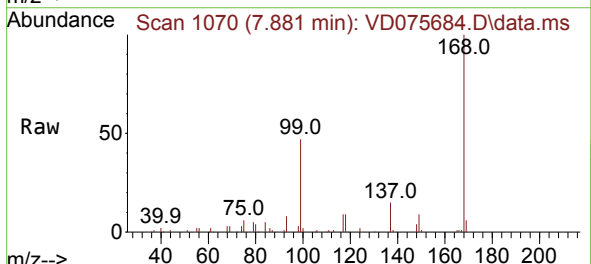
Instrument :
MSVOA_D
ClientSampleId :
20230215-6-1



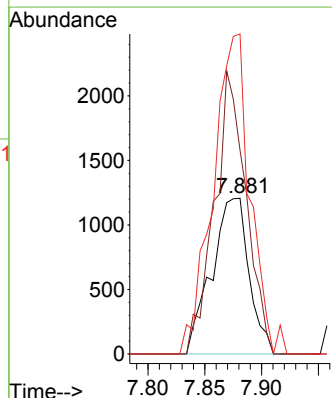
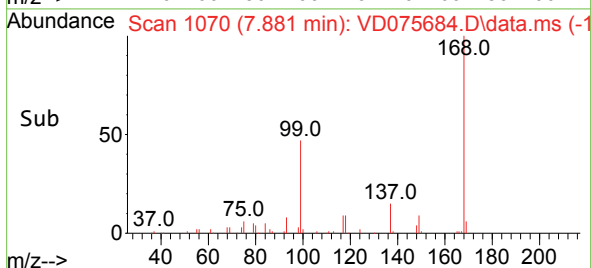
Tgt Ion: 43 Resp: 1206
Ion Ratio Lower Upper
43 100
72 41.2 19.8 29.8#

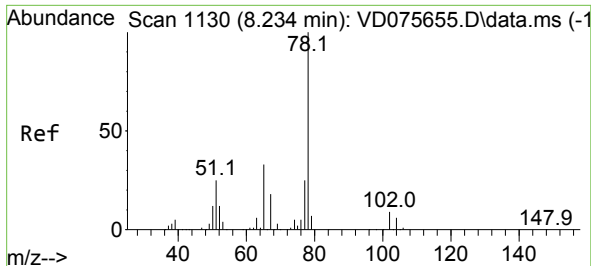


#31
Cyclohexane
Concen: 1.486 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD075684.D
Acq: 14 Apr 2023 17:30



Tgt Ion: 56 Resp: 2766
Ion Ratio Lower Upper
56 100
69 130.8 25.5 38.3#
84 205.5 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 68.142 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075684.D

Acq: 14 Apr 2023 17:30

Instrument :

MSVOA_D

ClientSampleId :

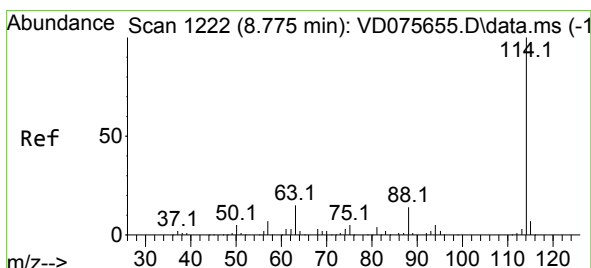
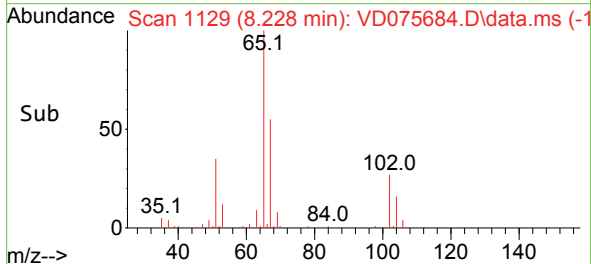
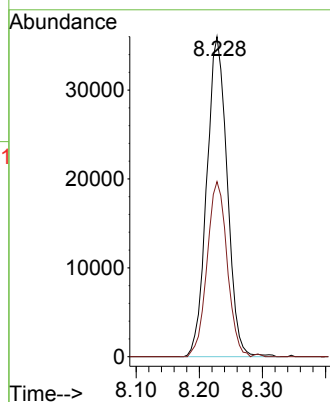
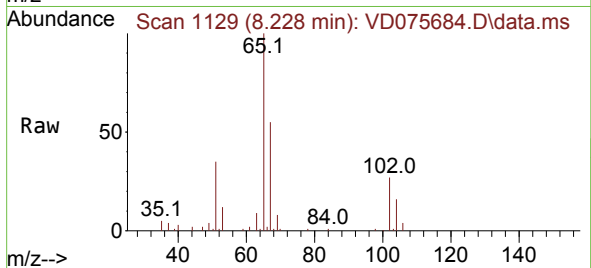
20230215-6-1

Tgt Ion: 65 Resp: 80843

Ion Ratio Lower Upper

65 100

67 53.8 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD075684.D

Acq: 14 Apr 2023 17:30

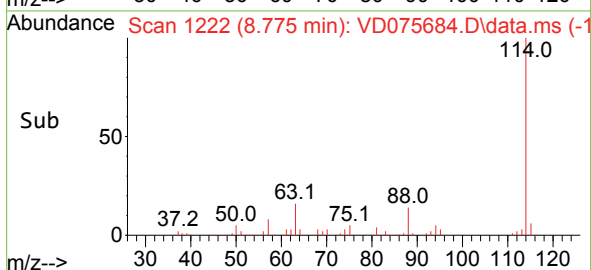
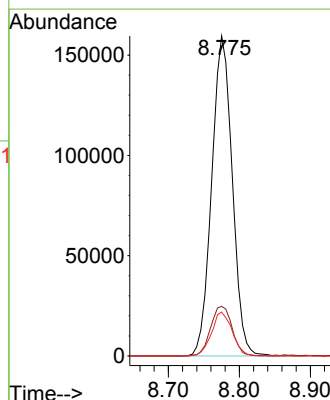
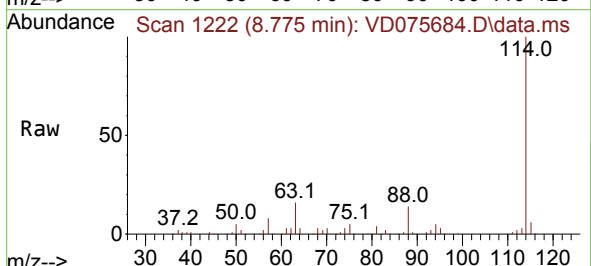
Tgt Ion: 114 Resp: 320622

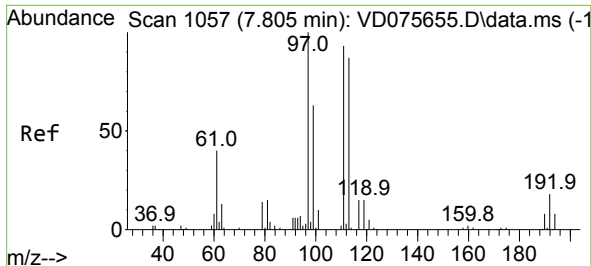
Ion Ratio Lower Upper

114 100

63 15.5 0.0 41.6

88 13.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.499 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075684.D

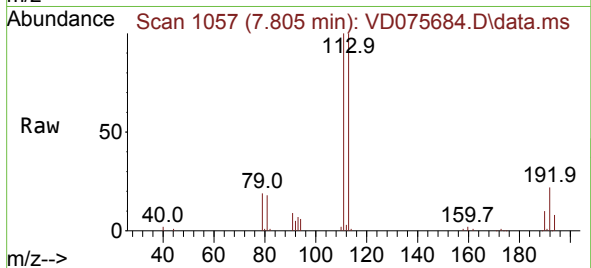
Acq: 14 Apr 2023 17:30

Instrument :

MSVOA_D

ClientSampleId :

20230215-6-1



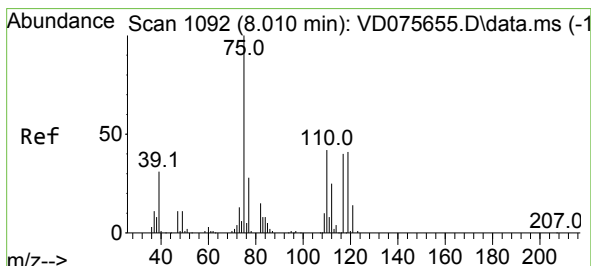
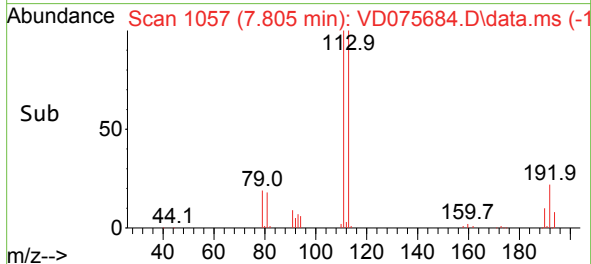
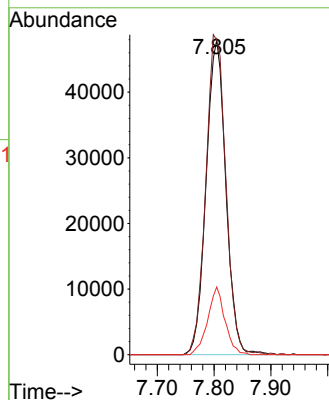
Tgt Ion:113 Resp: 115371

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

192 18.9 15.2 22.8



#36

1,1-Dichloropropene

Concen: 2.772 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075684.D

Acq: 14 Apr 2023 17:30

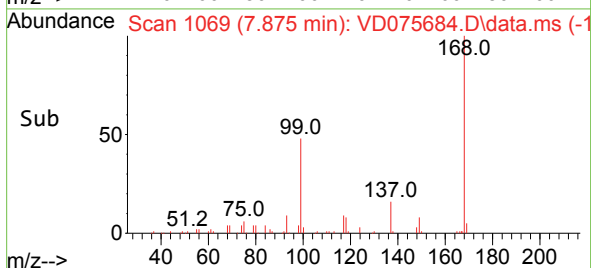
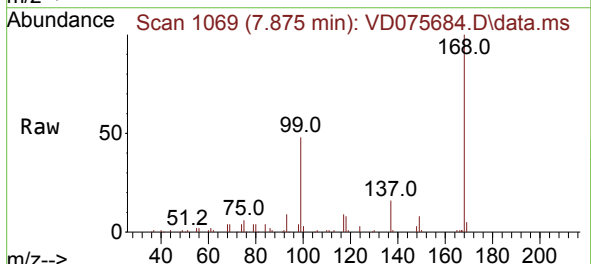
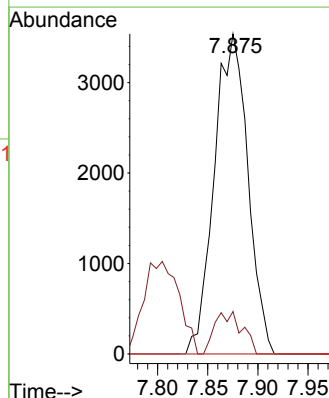
Tgt Ion: 75 Resp: 8246

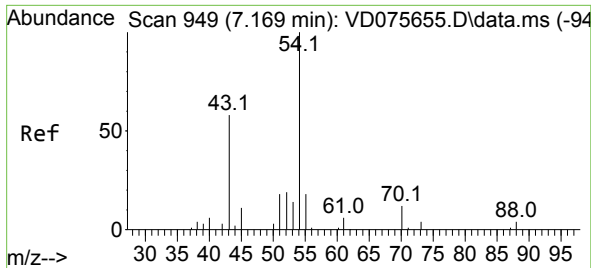
Ion Ratio Lower Upper

75 100

110 10.8 17.1 51.2#

77 0.0 24.6 36.8#

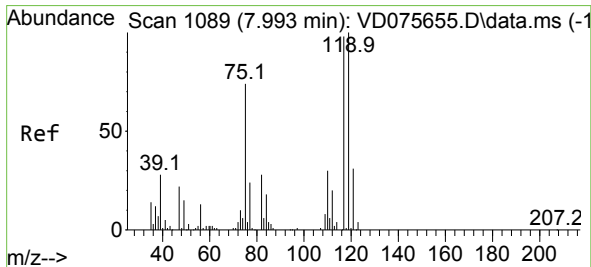
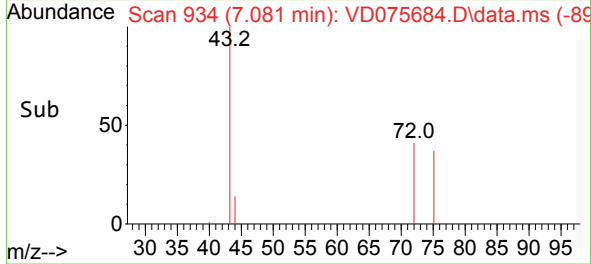
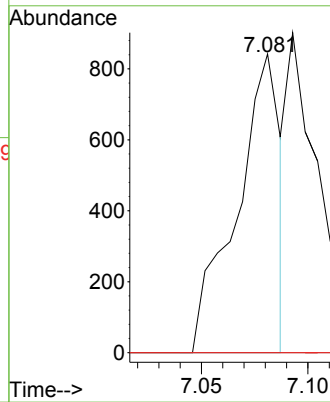
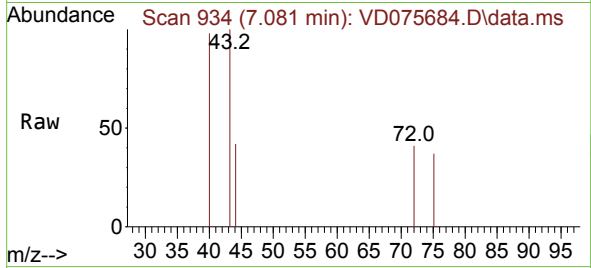




#37
Ethyl Acetate
Concen: 1.332 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.088 min
Lab File: VD075684.D
Acq: 14 Apr 2023 17:30

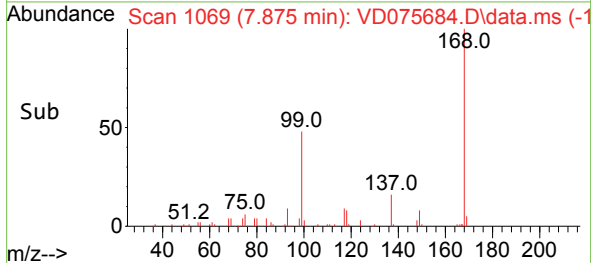
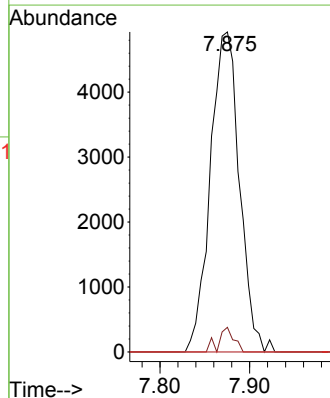
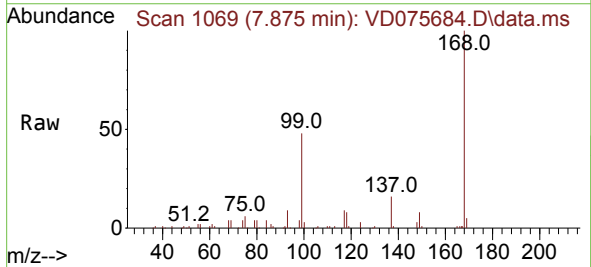
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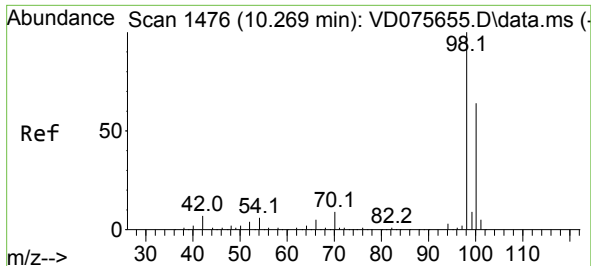
Tgt Ion: 43	Resp: 1206
Ion Ratio	Lower Upper
43 100	
61 0.0	0.0 0.0
70 0.0	5.6 8.4#



#38
Carbon Tetrachloride
Concen: 4.248 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075684.D
Acq: 14 Apr 2023 17:30

Tgt Ion:117	Resp:	11130	
Ion	Ratio	Lower	Upper
117	100		
119	7.7	74.7	112.1#
121	0.0	25.9	38.9#

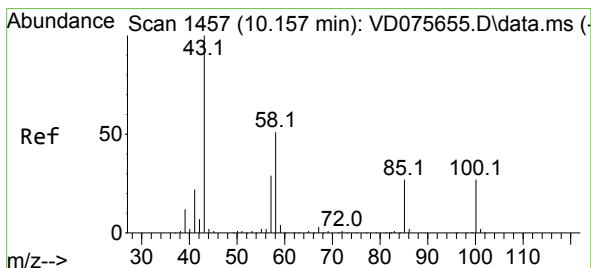
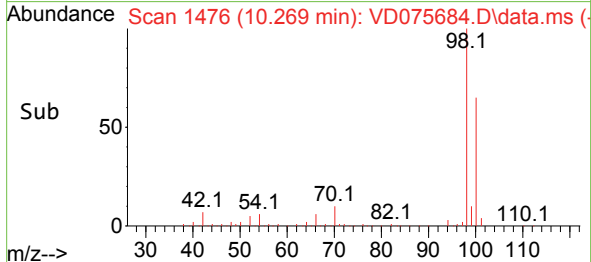
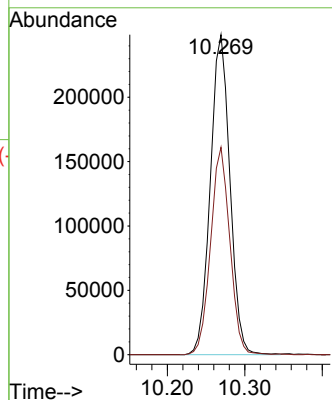
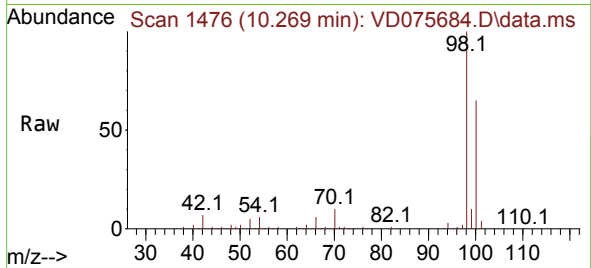




#50
Toluene-d8
Concen: 50.586 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075684.D
Acq: 14 Apr 2023 17:30

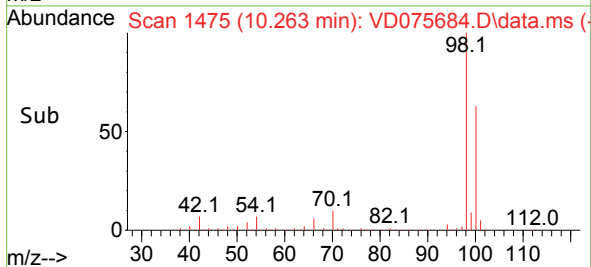
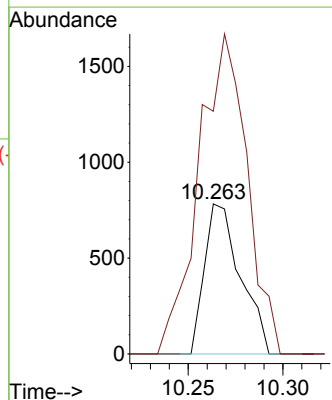
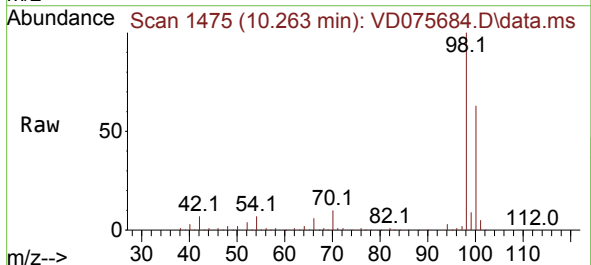
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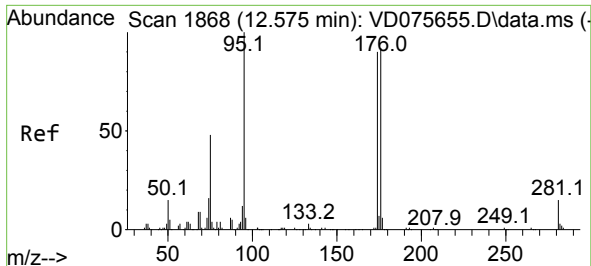
Tgt Ion: 98 Resp: 436853
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.176 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD075684.D
Acq: 14 Apr 2023 17:30

Tgt Ion: 43 Resp: 1035
Ion Ratio Lower Upper
43 100
58 285.7 29.5 44.3#

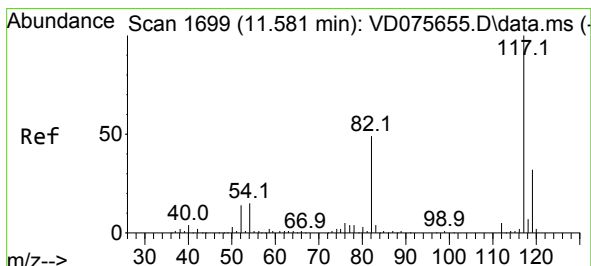
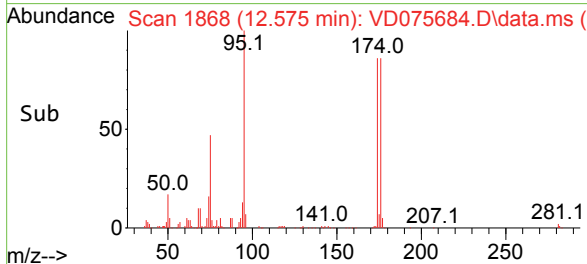
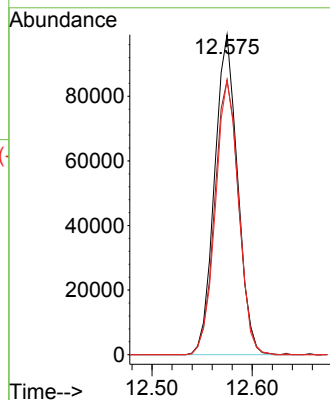
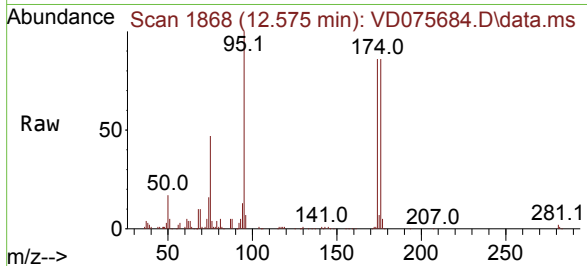




#62
4-Bromofluorobenzene
Concen: 68.824 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075684.D
Acq: 14 Apr 2023 17:30

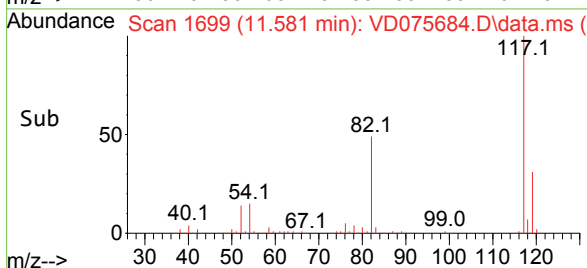
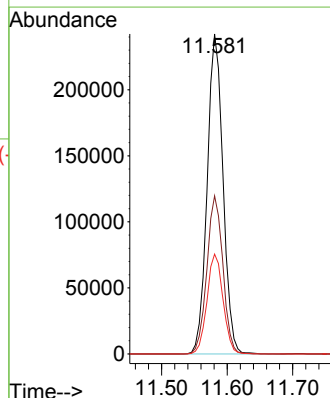
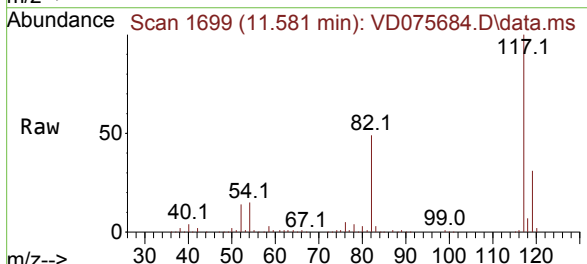
Instrument :
MSVOA_D
ClientSampleId :
20230215-6-1

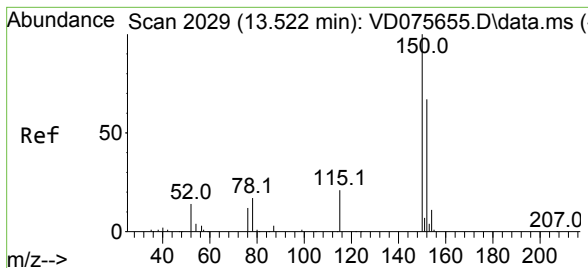
Tgt Ion: 95 Resp: 157978
Ion Ratio Lower Upper
95 100
174 88.9 0.0 164.0
176 86.5 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075684.D
Acq: 14 Apr 2023 17:30

Tgt Ion: 117 Resp: 406854
Ion Ratio Lower Upper
117 100
82 49.4 44.0 66.0
119 31.2 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD075684.D

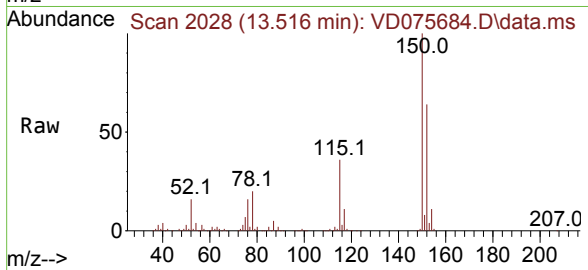
Acq: 14 Apr 2023 17:30

Instrument :

MSVOA_D

ClientSampleId :

20230215-6-1



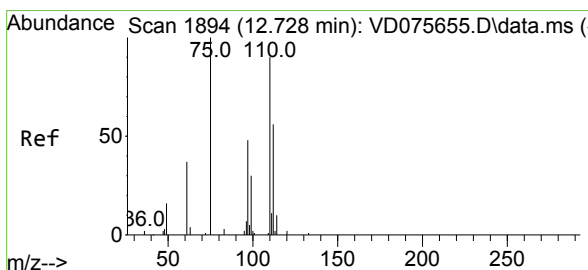
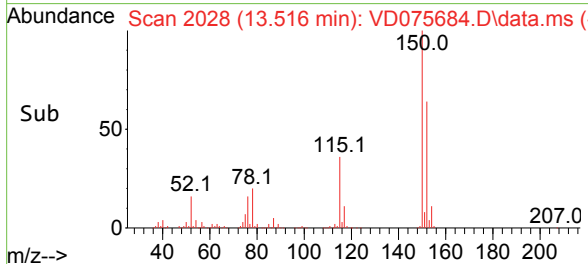
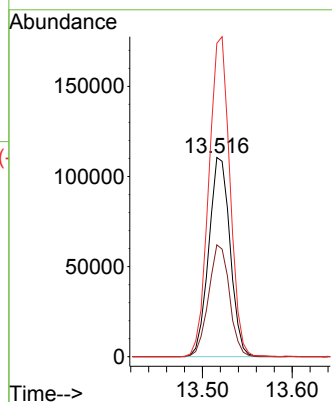
Tgt Ion:152 Resp: 182376

Ion Ratio Lower Upper

152 100

115 55.0 30.1 90.3

150 158.7 0.0 364.8



#76

1,2,3-Trichloropropane

Concen: 52.595 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075684.D

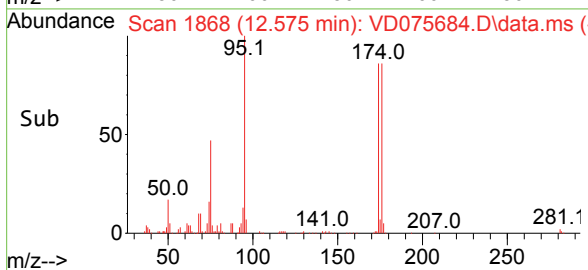
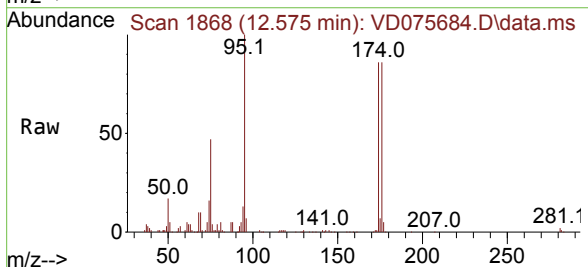
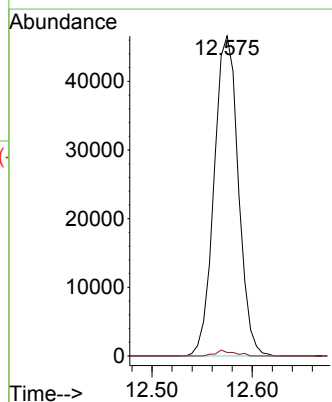
Acq: 14 Apr 2023 17:30

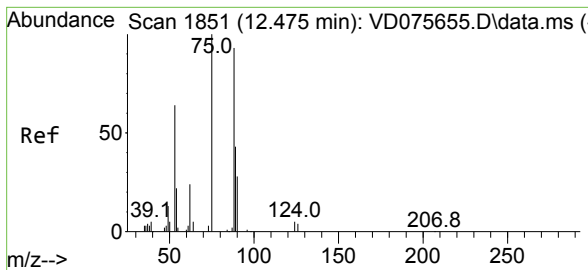
Tgt Ion: 75 Resp: 78223

Ion Ratio Lower Upper

75 100

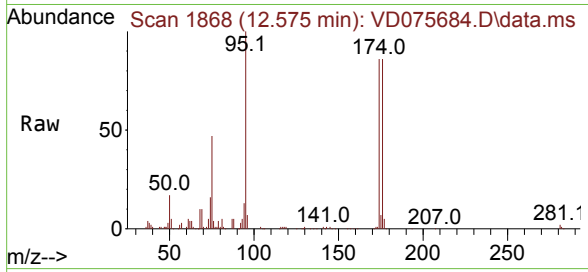
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.995 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD075684.D
 Acq: 14 Apr 2023 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 20230215-6-1



Tgt Ion:	75	Resp:	78223
Ion	Ratio	Lower	Upper
75	100		
53	0.1	90.5	135.7#
89	0.1	40.2	60.4#

