

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076840.D
 Acq On : 27 Jul 2023 18:06
 Operator : KP/SY
 Sample : 03781-01
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 03:00:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

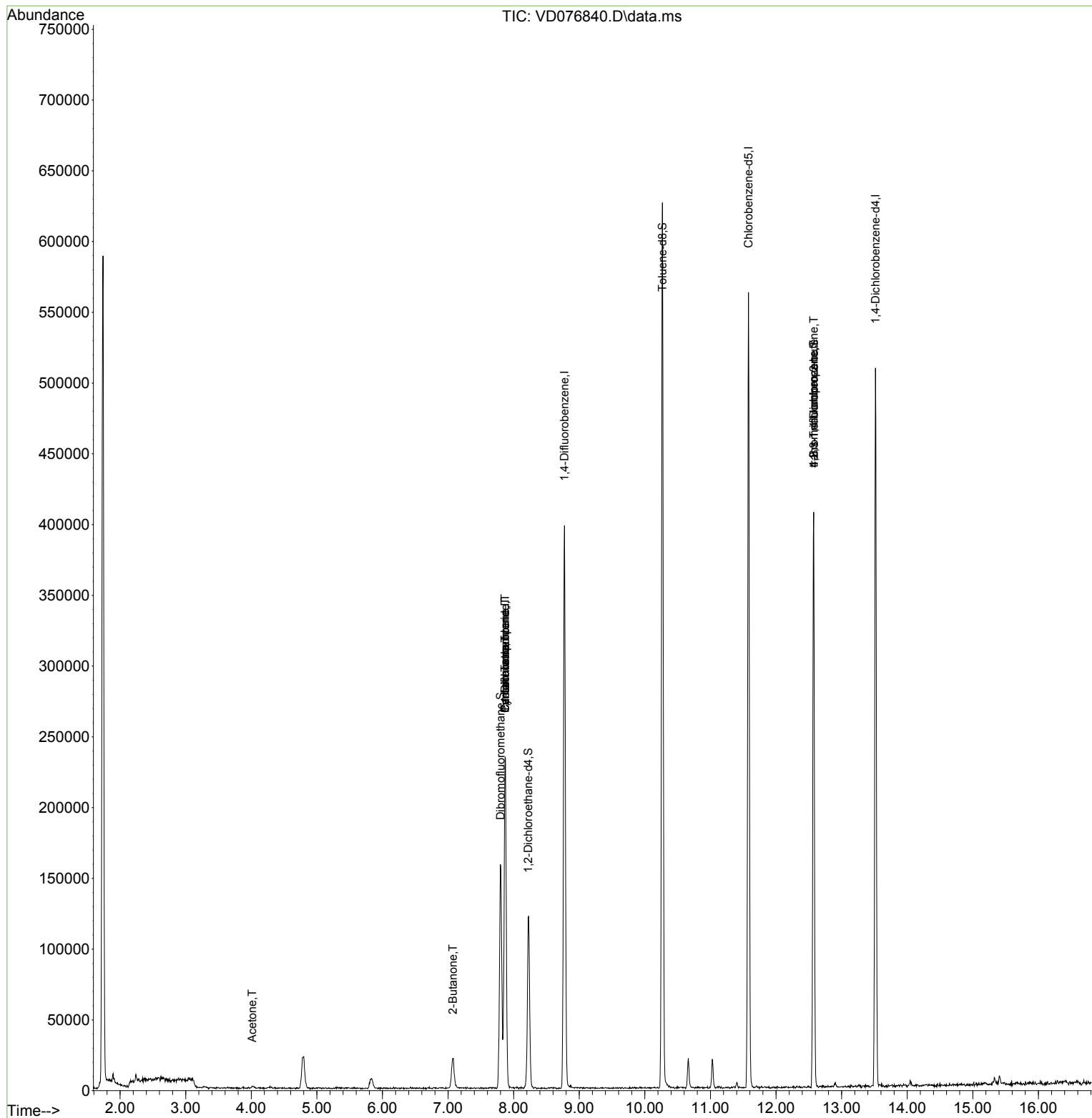
Internal Standards						
1) Pentafluorobenzene	7.869	168	183515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	367453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	331148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	136098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	95379	52.181	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.360%	
35) Dibromofluoromethane	7.799	113	118599	51.361	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.720%	
50) Toluene-d8	10.269	98	441165	53.406	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.820%	
62) 4-Bromofluorobenzene	12.575	95	125215	46.857	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.720%	
Target Compounds						
					Qvalue	
16) Acetone	4.016	43	2654	6.080	ug/l #	62
20) Methylene Chloride	4.793	84	18889	Below Cal		96
25) 2-Butanone	7.075	43	821	1.405	ug/l #	37
31) Cyclohexane	7.869	56	4408	1.639	ug/l #	60
36) 1,1-Dichloropropene	7.869	75	14905	4.940	ug/l #	48
38) Carbon Tetrachloride	7.869	117	19325	6.689	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	65641	50.716	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	65641	107.937	ug/l #	17

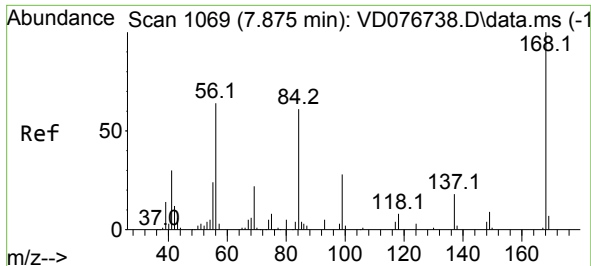
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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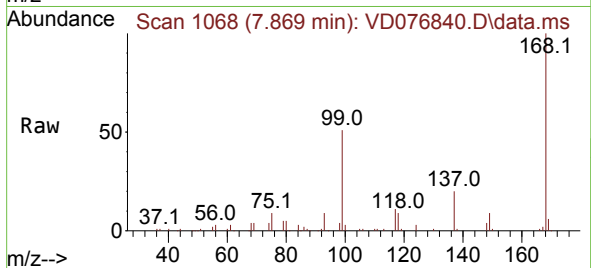
Quant Time: Jul 28 03:00:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
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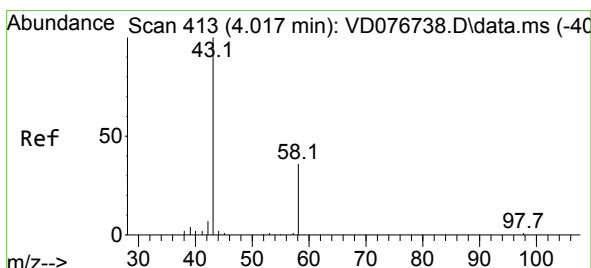
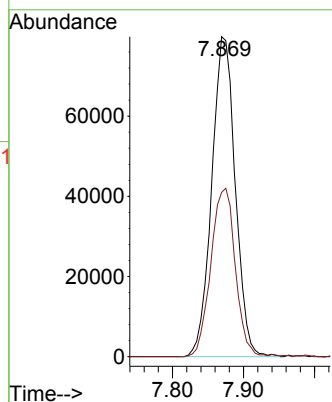
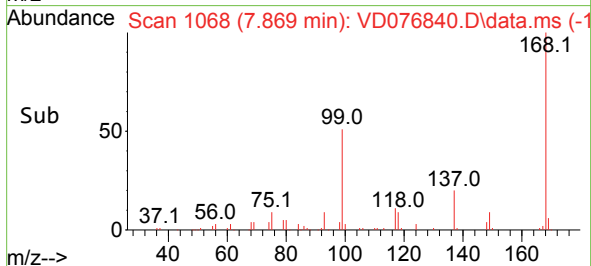


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076840.D
Acq: 27 Jul 2023 18:06

Instrument :
MSVOA_D
ClientSampleId :

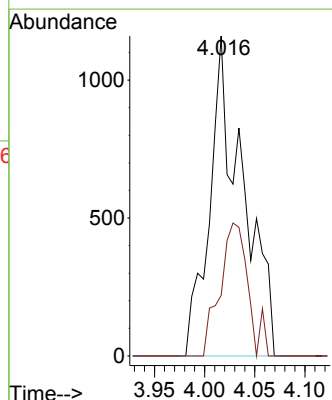
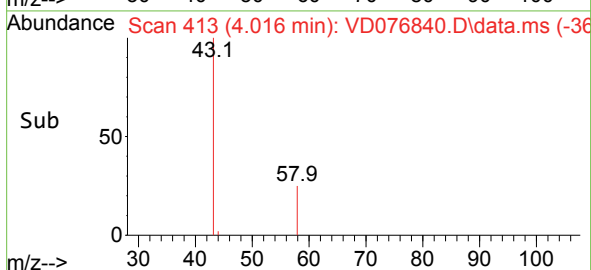
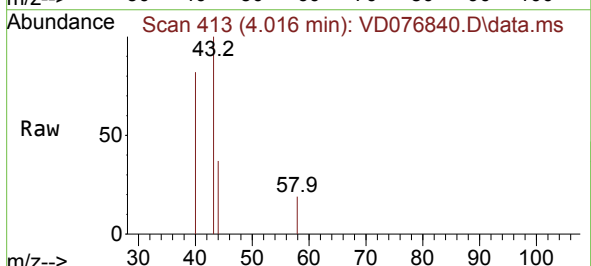


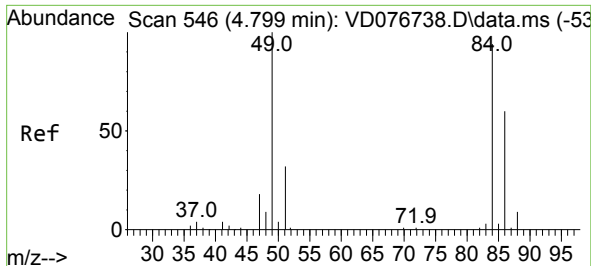
Tgt Ion:168 Resp: 183515
Ion Ratio Lower Upper
168 100
99 51.3 36.7 55.1



#16
Acetone
Concen: 6.080 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.001 min
Lab File: VD076840.D
Acq: 27 Jul 2023 18:06

Tgt Ion: 43 Resp: 2654
Ion Ratio Lower Upper
43 100
58 18.9 34.7 52.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.793 min Scan# 546

Delta R.T. -0.006 min

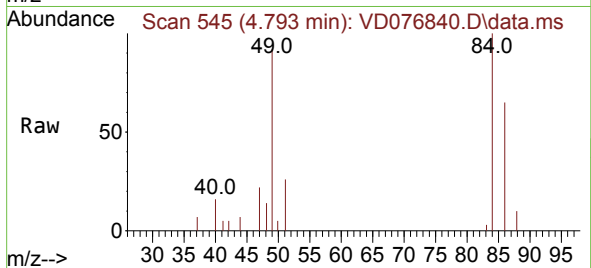
Lab File: VD076840.D

Acq: 27 Jul 2023 18:06

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 18889

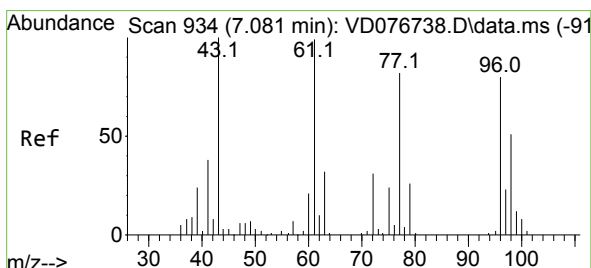
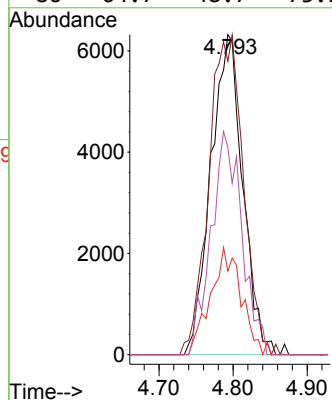
Ion Ratio Lower Upper

84 100

49 91.7 71.4 107.2

51 26.2 24.5 36.7

86 64.7 48.7 73.1



#25

2-Butanone

Concen: 1.405 ug/l

RT: 7.075 min Scan# 933

Delta R.T. -0.006 min

Lab File: VD076840.D

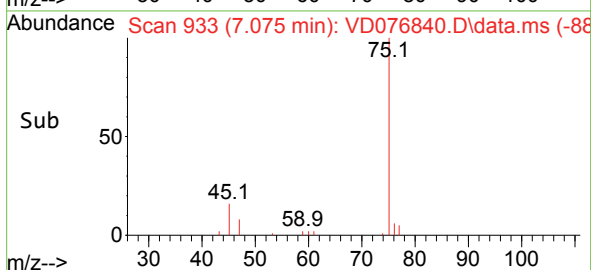
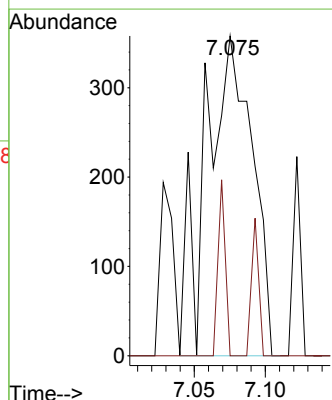
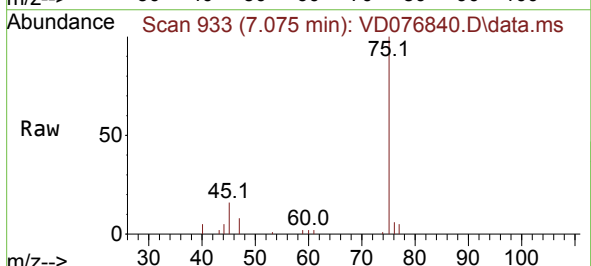
Acq: 27 Jul 2023 18:06

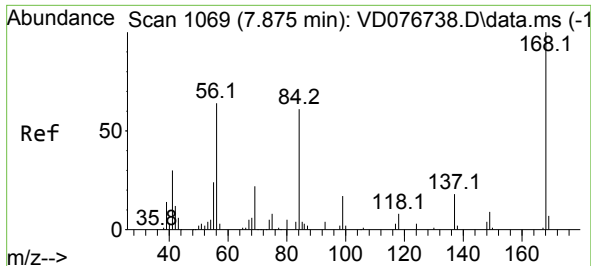
Tgt Ion: 43 Resp: 821

Ion Ratio Lower Upper

43 100

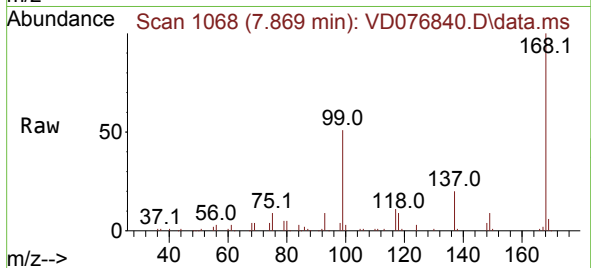
72 0.0 30.7 46.1#



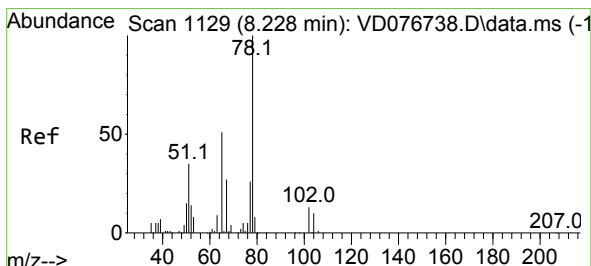
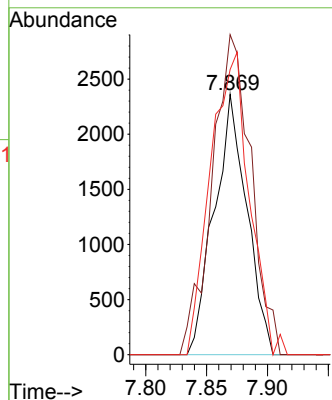
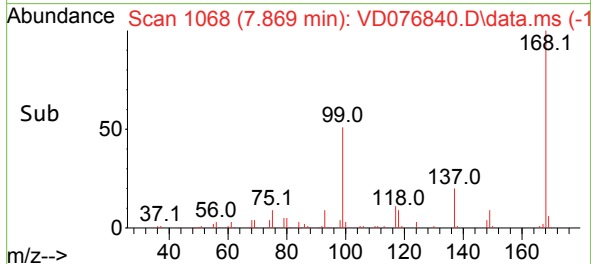


#31
Cyclohexane
Concen: 1.639 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076840.D
Acq: 27 Jul 2023 18:06

Instrument :
MSVOA_D
ClientSampleId :

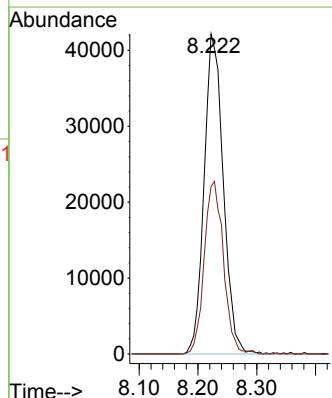
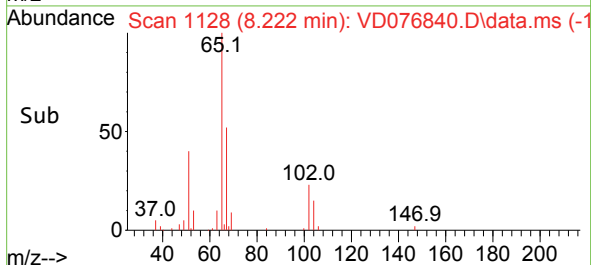
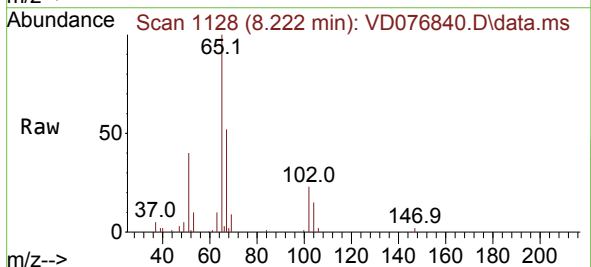


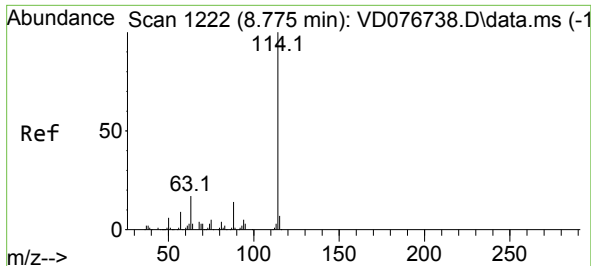
Tgt Ion: 56 Resp: 4408
Ion Ratio Lower Upper
56 100
69 123.0 28.6 43.0#
84 109.5 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 52.181 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VD076840.D
Acq: 27 Jul 2023 18:06

Tgt Ion: 65 Resp: 95379
Ion Ratio Lower Upper
65 100
67 54.1 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076840.D

Acq: 27 Jul 2023 18:06

Instrument :

MSVOA_D

ClientSampleId :

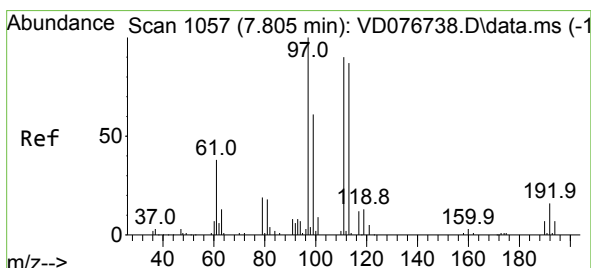
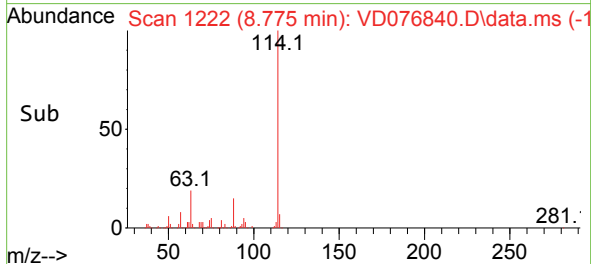
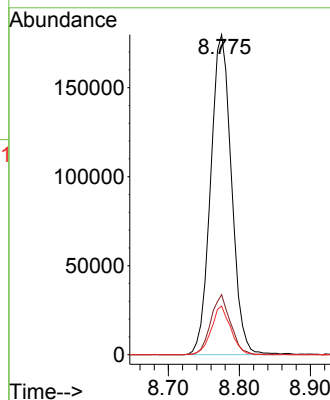
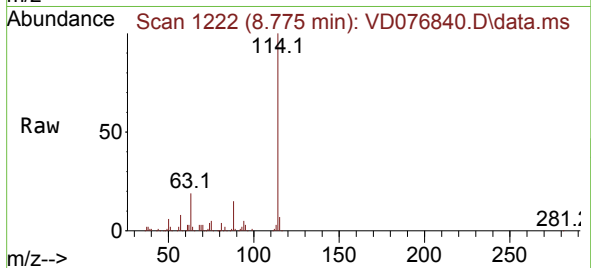
Tgt Ion:114 Resp: 367453

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 15.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 51.361 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076840.D

Acq: 27 Jul 2023 18:06

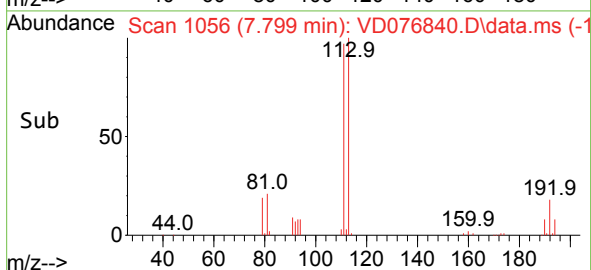
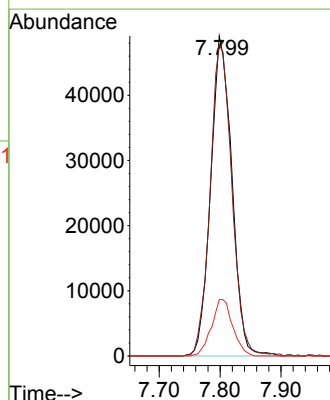
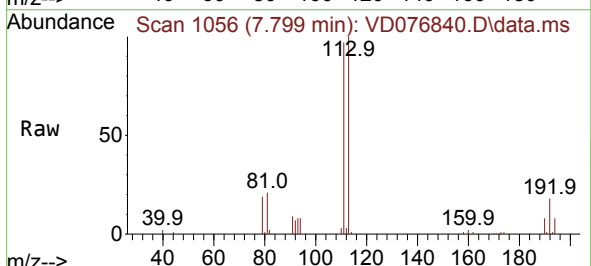
Tgt Ion:113 Resp: 118599

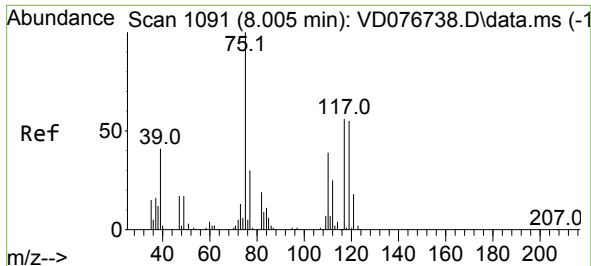
Ion Ratio Lower Upper

113 100

111 99.6 84.7 127.1

192 17.6 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.940 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.136 min

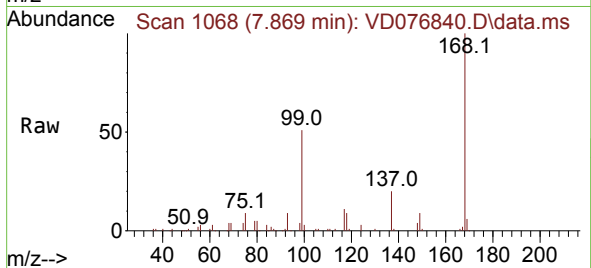
Lab File: VD076840.D

Acq: 27 Jul 2023 18:06

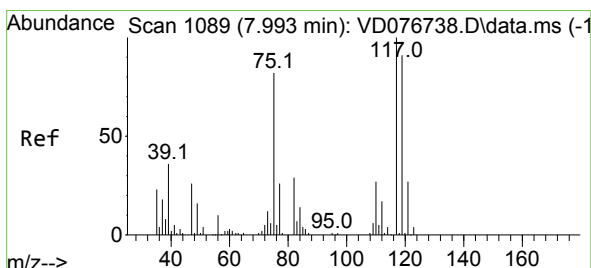
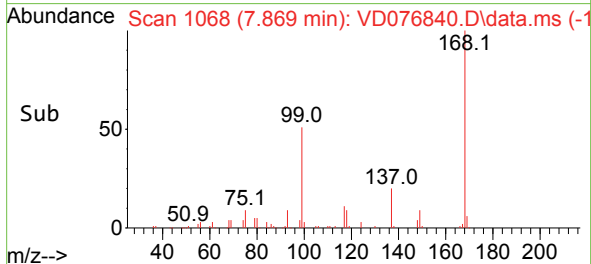
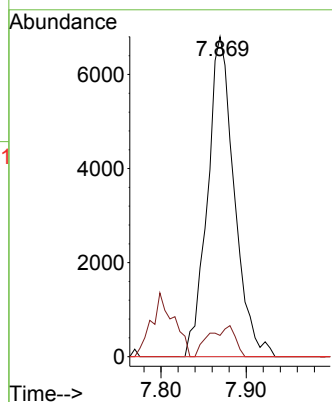
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	14905
Ion Ratio	Lower	Upper	
75	100		
110	9.3	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 6.689 ug/l

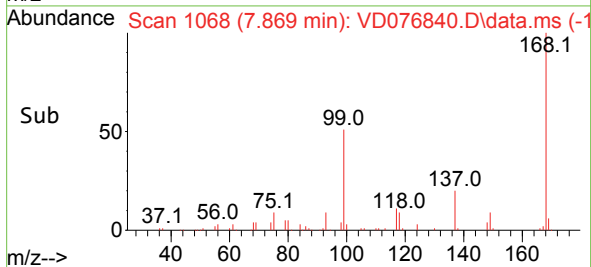
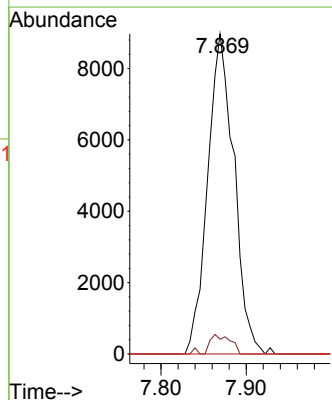
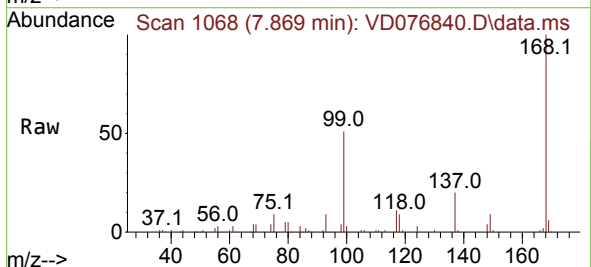
RT: 7.869 min Scan# 1068

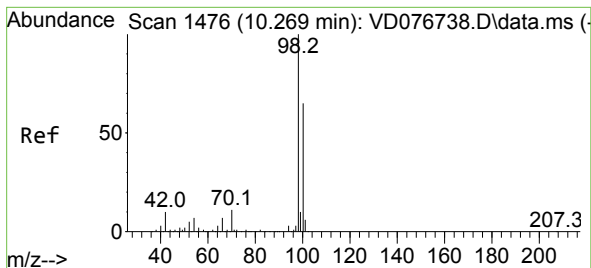
Delta R.T. -0.124 min

Lab File: VD076840.D

Acq: 27 Jul 2023 18:06

Tgt Ion:	117	Resp:	19325
Ion Ratio	Lower	Upper	
117	100		
119	4.6	78.0	117.0#
121	0.0	24.2	36.2#

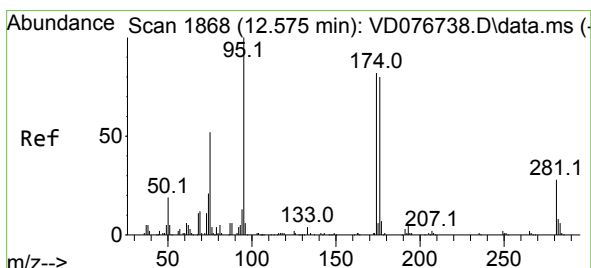
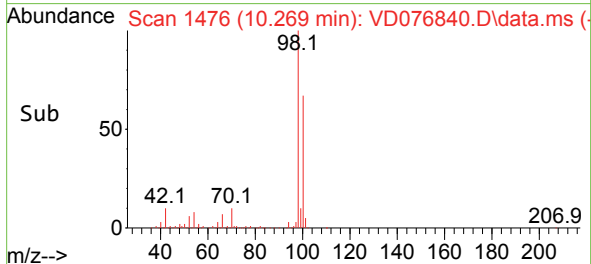
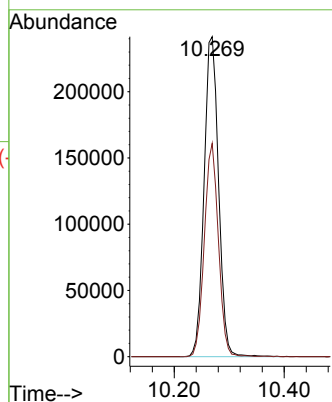
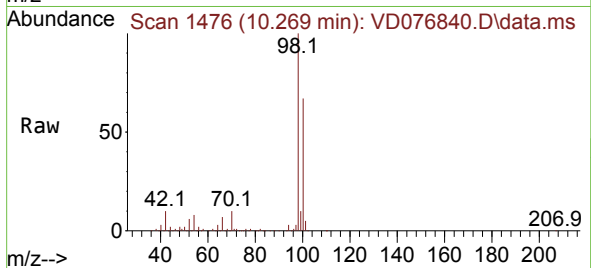




#50
Toluene-d8
Concen: 53.406 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076840.D
Acq: 27 Jul 2023 18:06

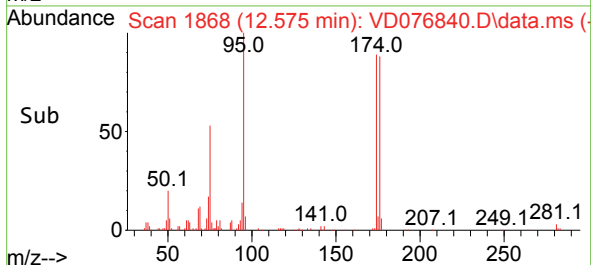
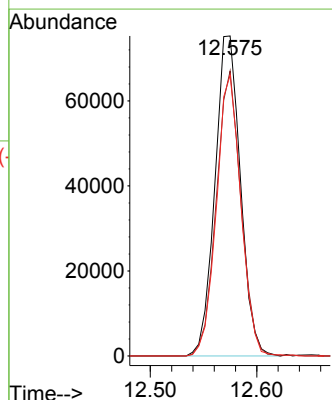
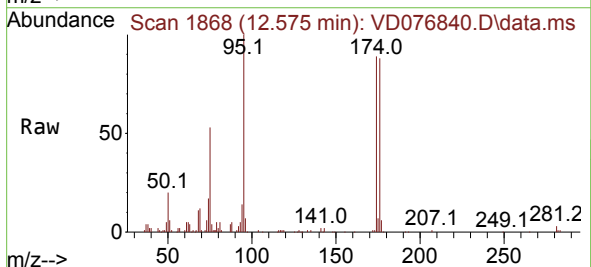
Instrument :
MSVOA_D
ClientSampleId :

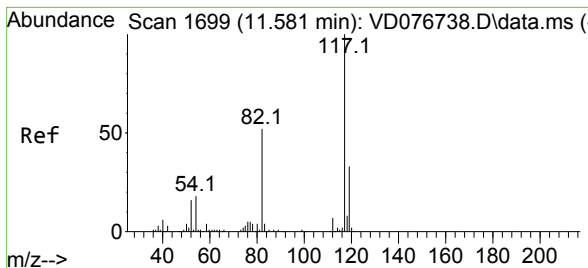
Tgt Ion: 98 Resp: 441165
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 46.857 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076840.D
Acq: 27 Jul 2023 18:06

Tgt Ion: 95 Resp: 125215
Ion Ratio Lower Upper
95 100
174 85.8 0.0 201.8
176 84.1 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076840.D

Acq: 27 Jul 2023 18:06

Instrument :

MSVOA_D

ClientSampleId :

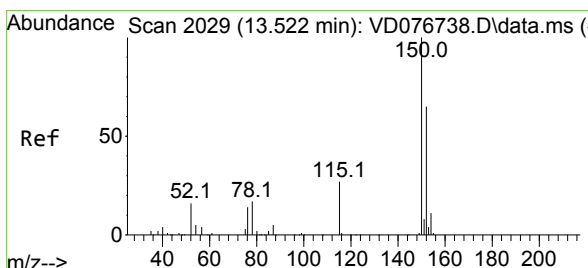
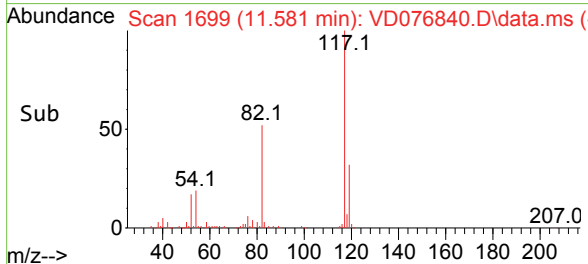
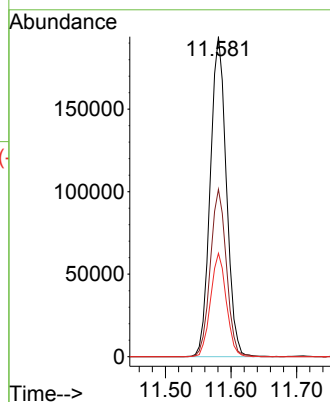
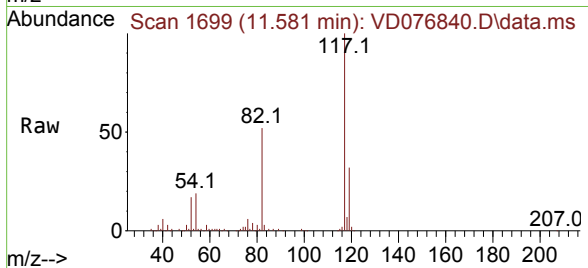
Tgt Ion:117 Resp: 331148

Ion Ratio Lower Upper

117 100

82 52.3 38.3 57.5

119 32.3 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD076840.D

Acq: 27 Jul 2023 18:06

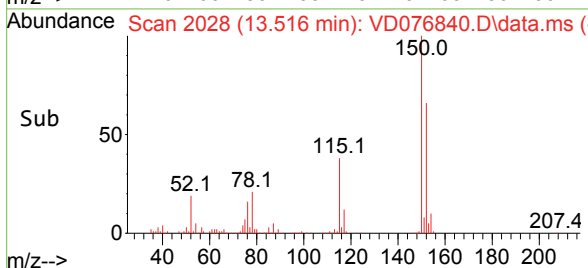
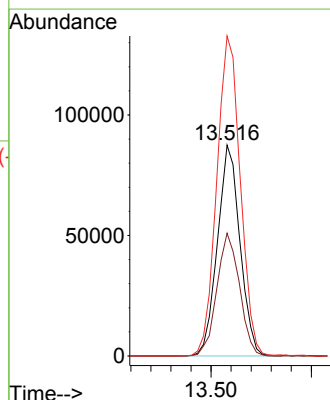
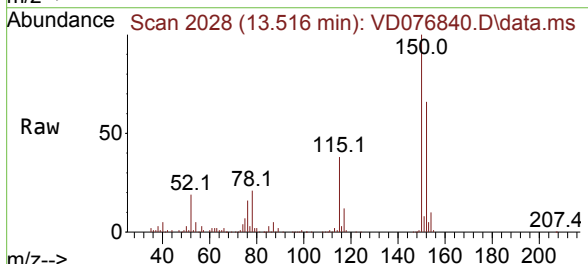
Tgt Ion:152 Resp: 136098

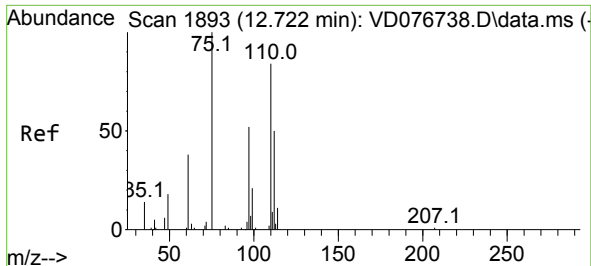
Ion Ratio Lower Upper

152 100

115 58.5 27.1 81.3

150 158.9 0.0 353.6

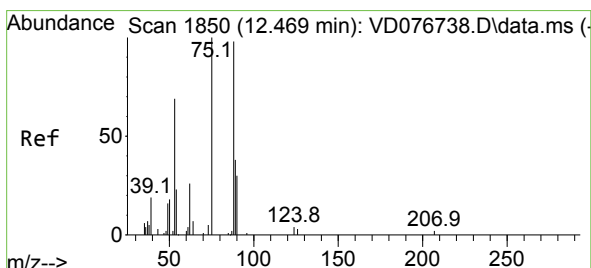
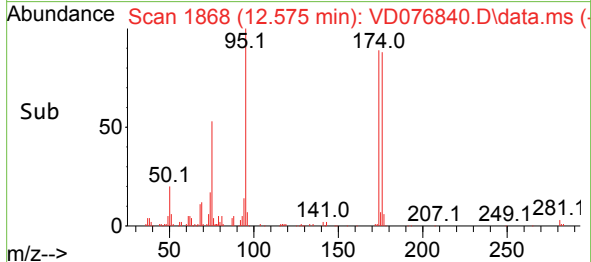
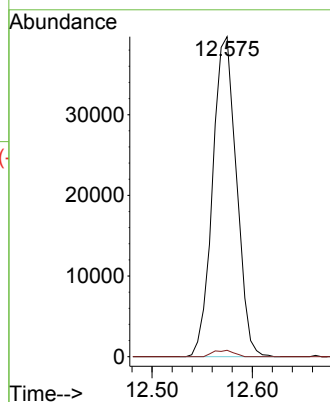
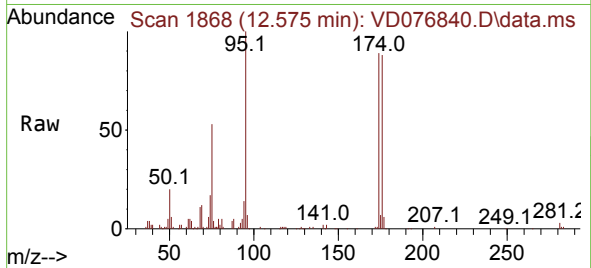




#76
1,2,3-Trichloropropane
Concen: 50.716 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076840.D
Acq: 27 Jul 2023 18:06

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 65641
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.937 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076840.D
Acq: 27 Jul 2023 18:06

Tgt Ion: 75 Resp: 65641
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.2 37.9 56.9#

