

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092022\
 Data File : VD074375.D
 Acq On : 20 Sep 2022 19:41
 Operator : VA/SY
 Sample : N4668-09
 Misc : 5.79G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A1-6-18

Quant Time: Sep 21 02:25:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

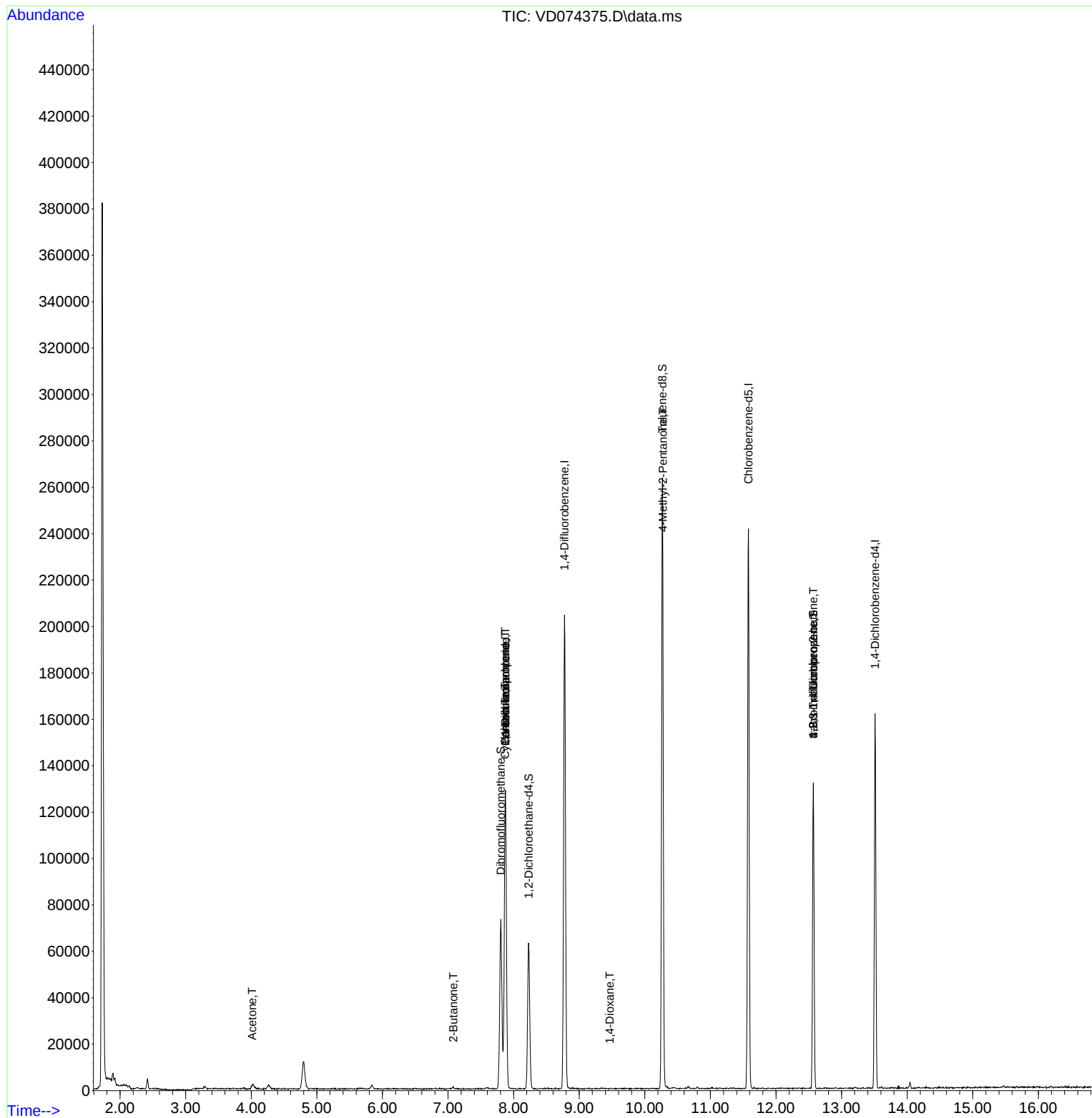
Internal Standards						
1) Pentafluorobenzene	7.875	168	99804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	180281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	138008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	43036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	49250	50.663	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.320%	
35) Dibromofluoromethane	7.805	113	51850	43.669	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.340%	
50) Toluene-d8	10.269	98	180692	44.105	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.200%	
62) 4-Bromofluorobenzene	12.569	95	39875	25.973	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 51.940%	
Target Compounds						Qvalue
16) Acetone	4.016	43	3343	15.264	ug/l	90
20) Methylene Chloride	4.793	84	9008	Below Cal		96
25) 2-Butanone	7.081	43	581	1.781	ug/l #	48
31) Cyclohexane	7.869	56	2342	1.149	ug/l #	60
36) 1,1-Dichloropropene	7.875	75	7959	4.391	ug/l #	47
38) Carbon Tetrachloride	7.875	117	10124	6.303	ug/l #	15
49) 1,4-Dioxane	9.463	88	55	7.645	ug/l #	24
51) 4-Methyl-2-Pentanone	10.275	43	808	1.148	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	21018	52.785	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	21018	132.293	ug/l #	100

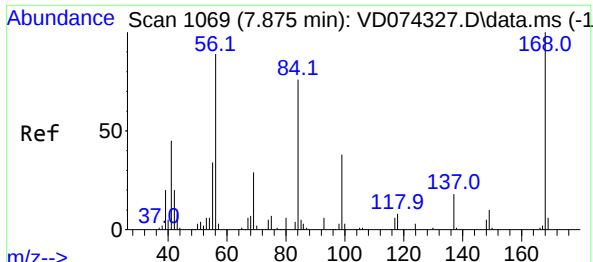
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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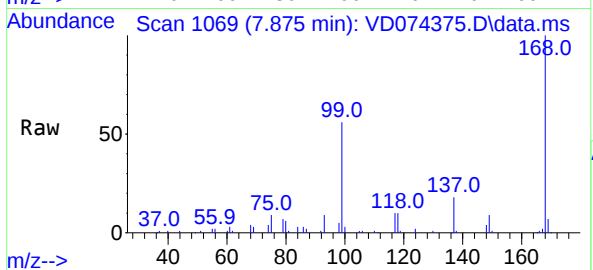
Quant Time: Sep 21 02:25:53 2022
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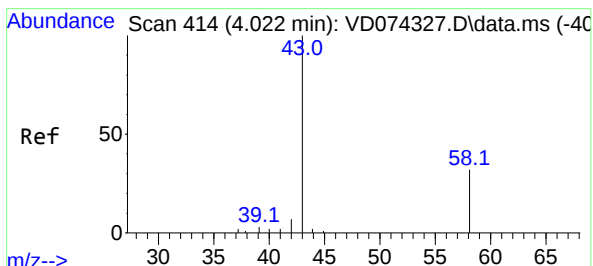
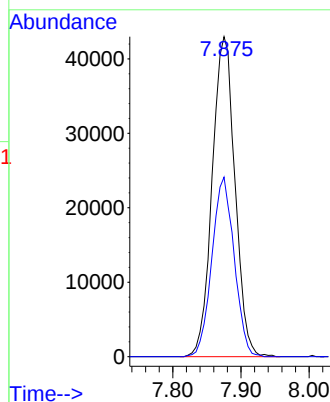
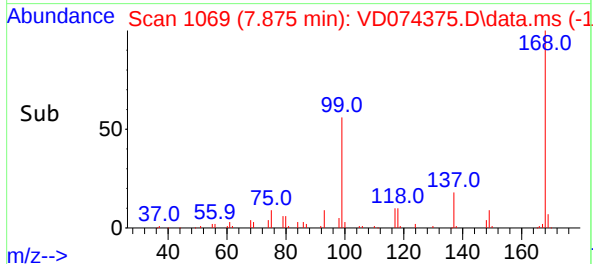


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

Instrument :
MSVOA_D
ClientSampleId :
A1-6-18

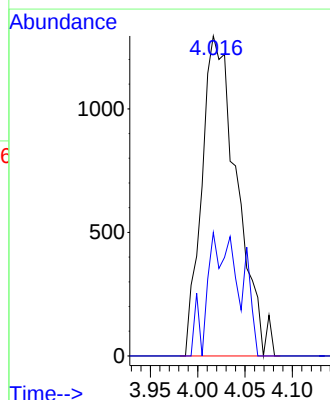
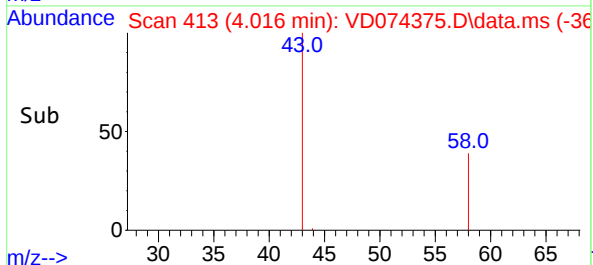
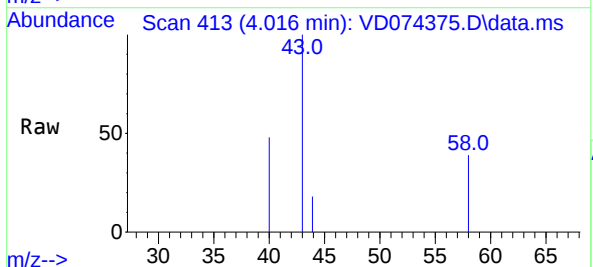


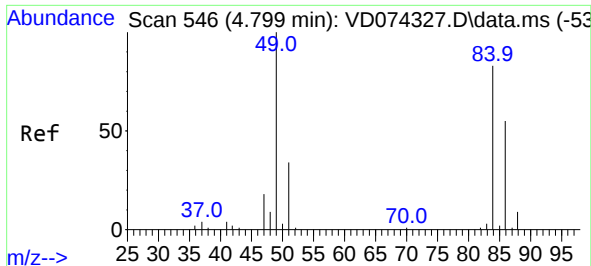
Tgt Ion:168 Resp: 99804
Ion Ratio Lower Upper
168 100
99 56.1 43.0 64.6



#16
Acetone
Concen: 15.264 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

Tgt Ion: 43 Resp: 3343
Ion Ratio Lower Upper
43 100
58 38.5 26.4 39.6

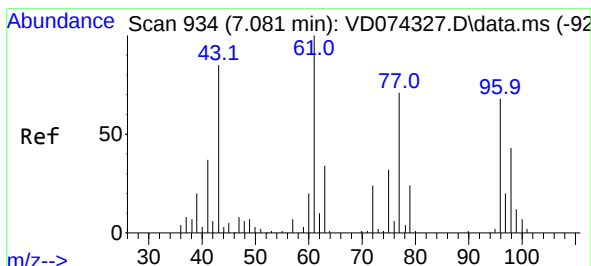
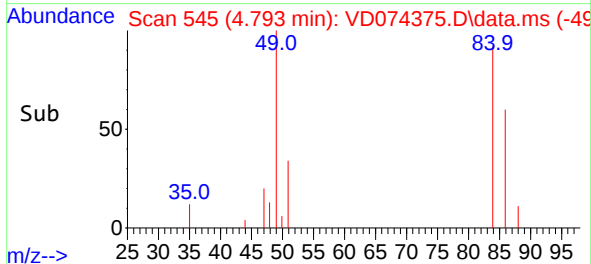
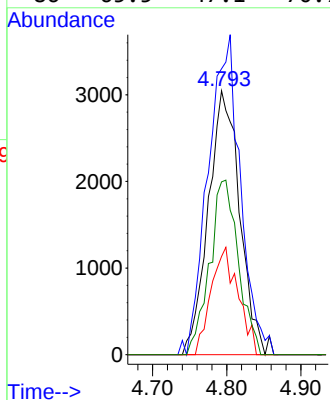
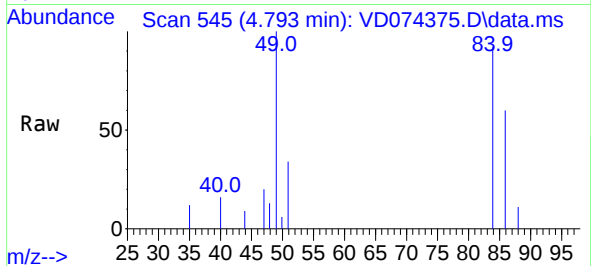




#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

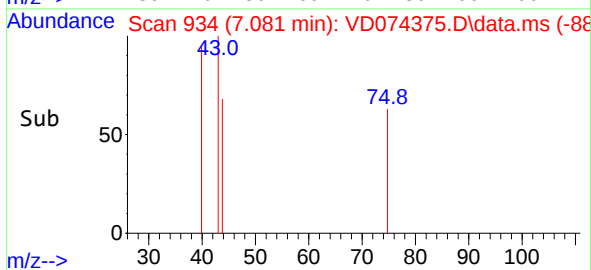
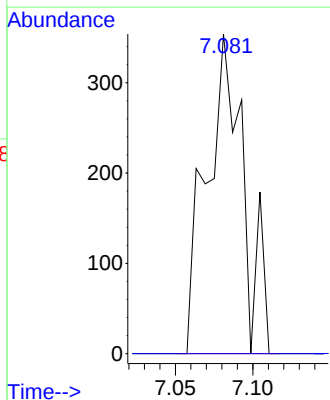
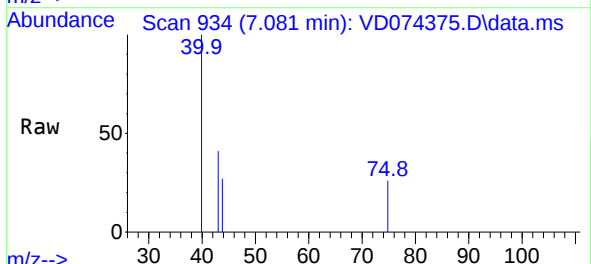
Instrument :
MSVOA_D
ClientSampleId :
A1-6-18

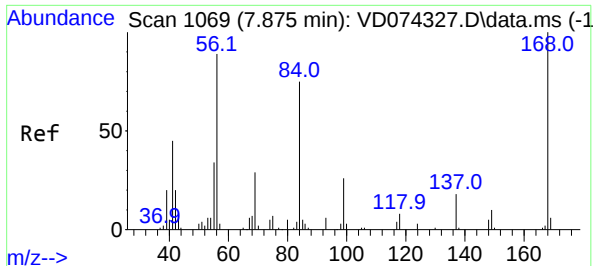
Tgt Ion:	84	Resp:	9008
Ion	Ratio	Lower	Upper
84	100		
49	108.4	88.4	132.6
51	37.3	28.0	42.0
86	65.5	47.1	70.7



#25
2-Butanone
Concen: 1.781 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

Tgt Ion:	43	Resp:	581
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.8	32.6#

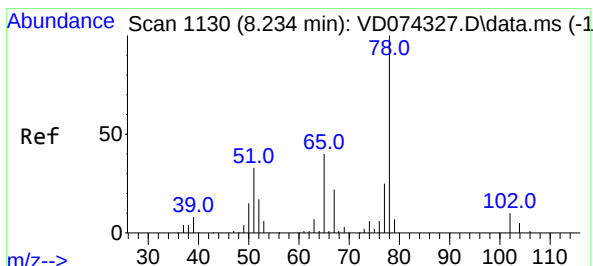
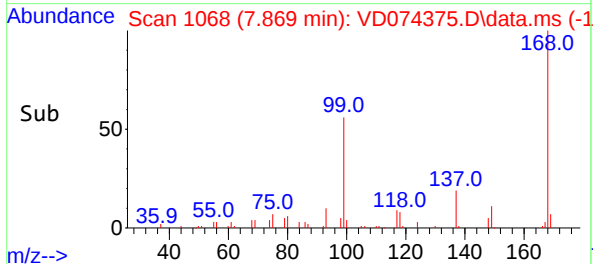
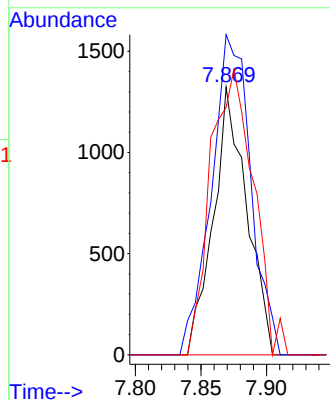
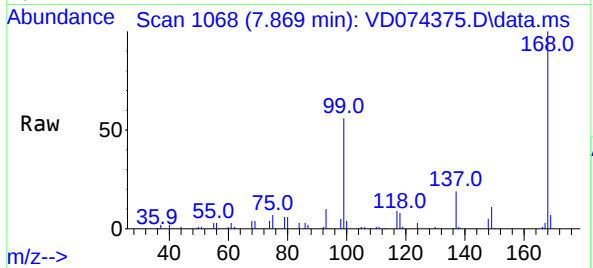




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.869 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

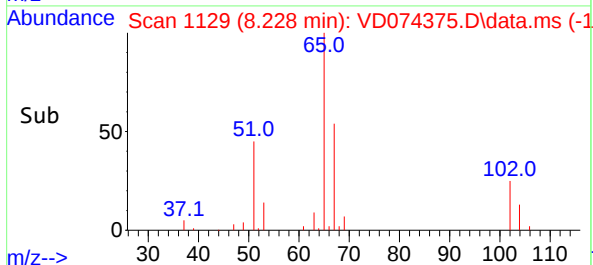
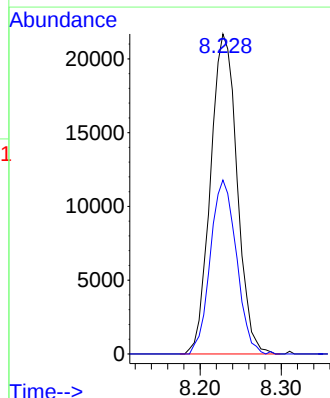
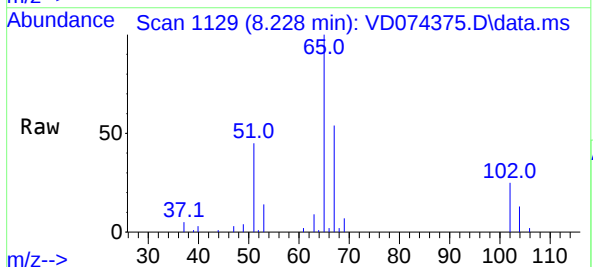
Instrument :
MSVOA_D
ClientSampleId :
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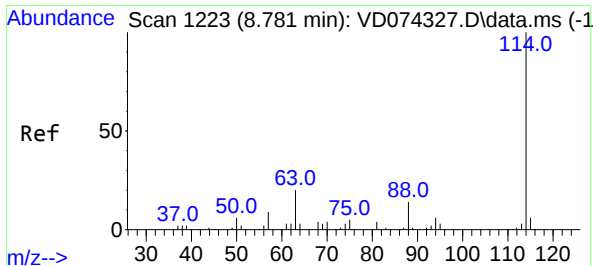
Tgt Ion: 56 Resp: 2342
Ion Ratio Lower Upper
56 100
69 119.7 25.7 38.5#
84 92.4 73.9 110.9



#33
1,2-Dichloroethane-d4
Concen: 50.663 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

Tgt Ion: 65 Resp: 49250
Ion Ratio Lower Upper
65 100
67 53.4 0.0 110.6

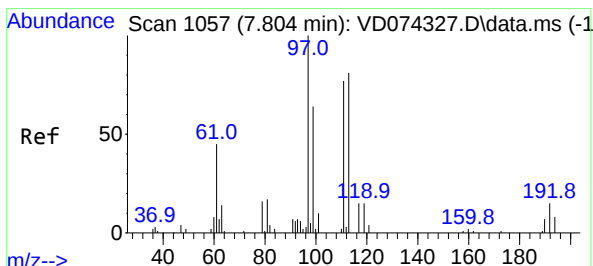
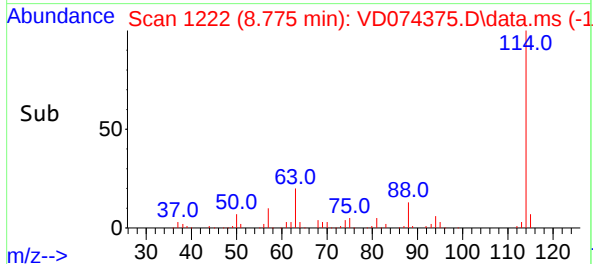
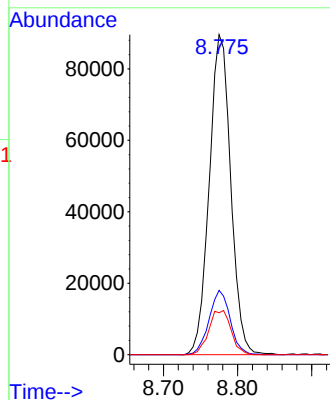
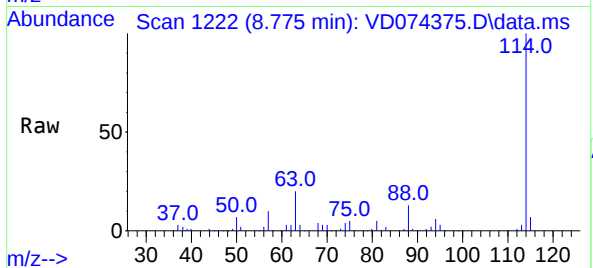




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

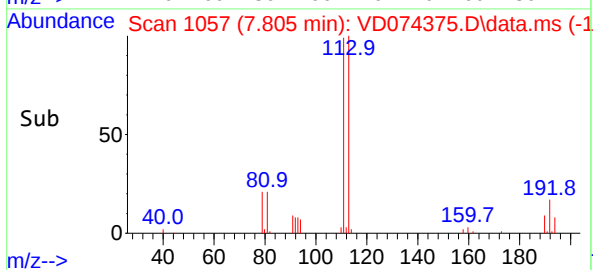
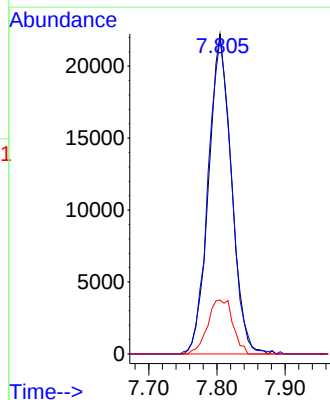
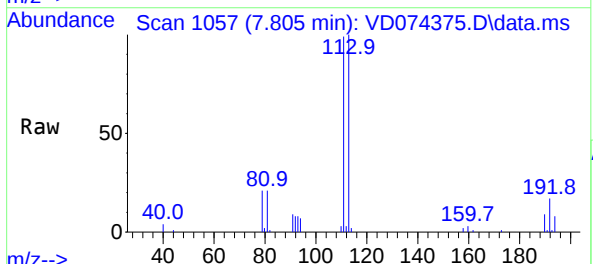
Instrument :
MSVOA_D
ClientSampleId :
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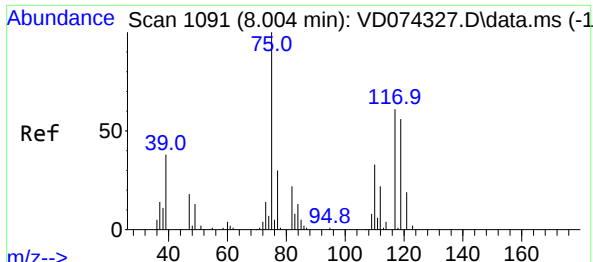
Tgt Ion:114 Resp: 180281
Ion Ratio Lower Upper
114 100
63 20.1 0.0 37.6
88 13.1 0.0 28.4



#35
Dibromofluoromethane
Concen: 43.669 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

Tgt Ion:113 Resp: 51850
Ion Ratio Lower Upper
113 100
111 100.8 83.0 124.6
192 18.6 16.2 24.2





#36

1,1-Dichloropropene

Concen: 4.391 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD074375.D

Acq: 20 Sep 2022 19:41

Instrument :

MSVOA_D

ClientSampleId :

A1-6-18

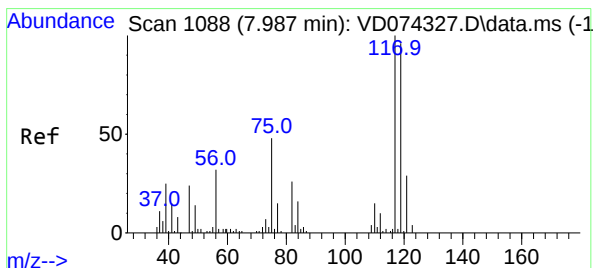
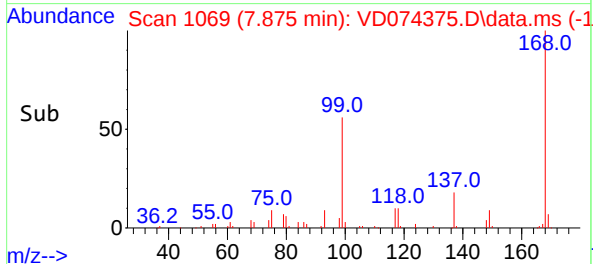
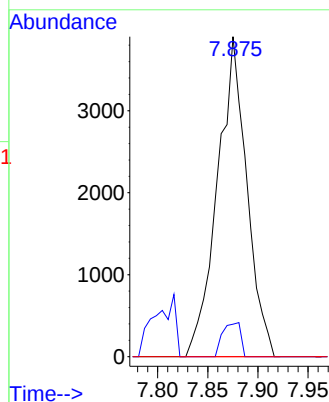
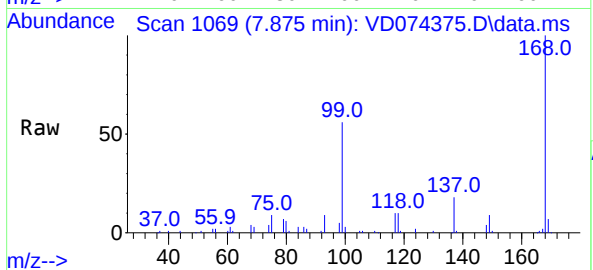
Tgt Ion: 75 Resp: 7959

Ion Ratio Lower Upper

75 100

110 6.5 17.5 52.5#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.303 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074375.D

Acq: 20 Sep 2022 19:41

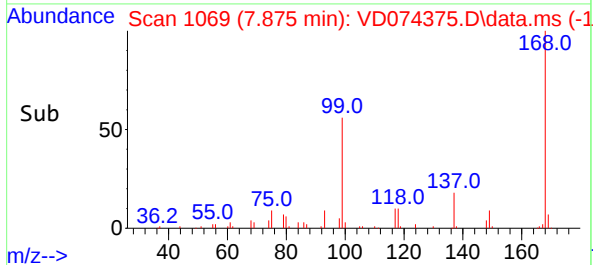
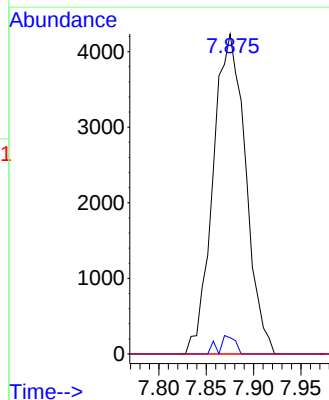
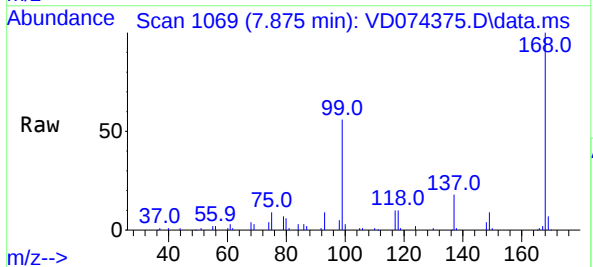
Tgt Ion: 117 Resp: 10124

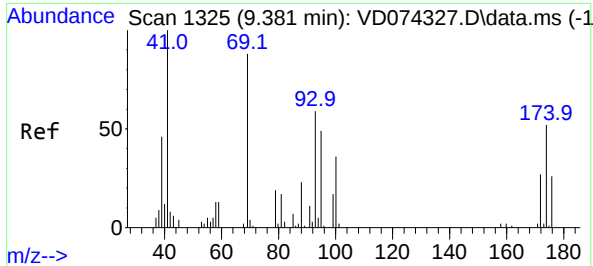
Ion Ratio Lower Upper

117 100

119 5.1 78.8 118.2#

121 0.0 23.9 35.9#

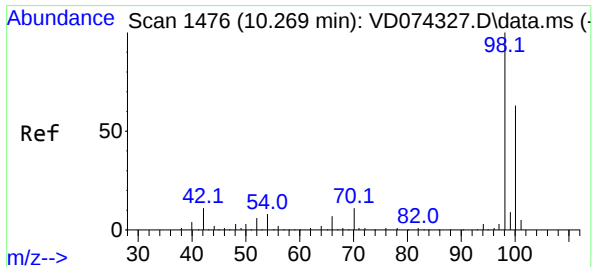
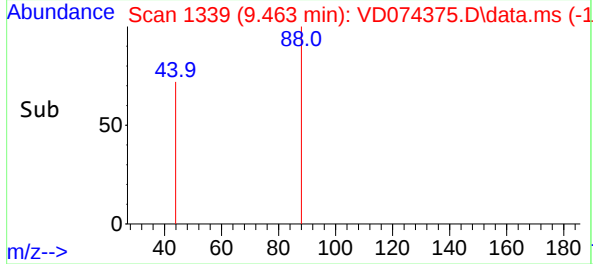
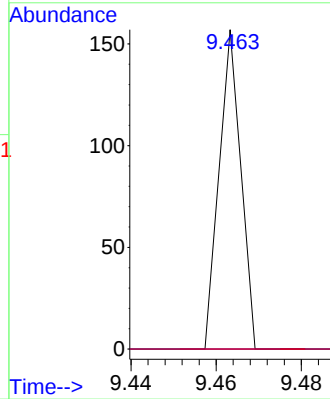
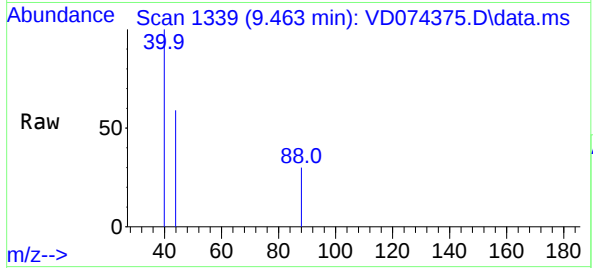




#49
1,4-Dioxane
Concen: 7.645 ug/l
RT: 9.463 min Scan# 11
Delta R.T. 0.082 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

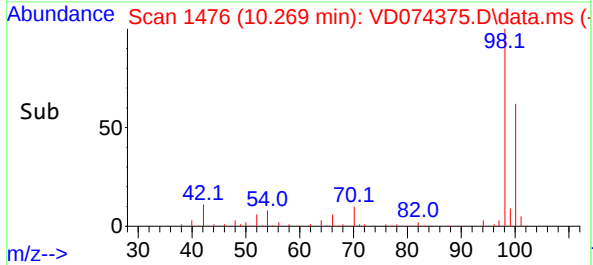
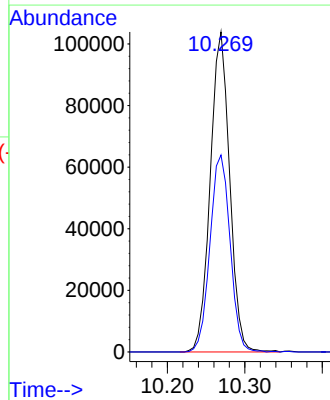
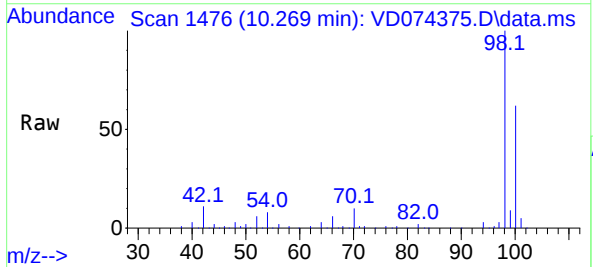
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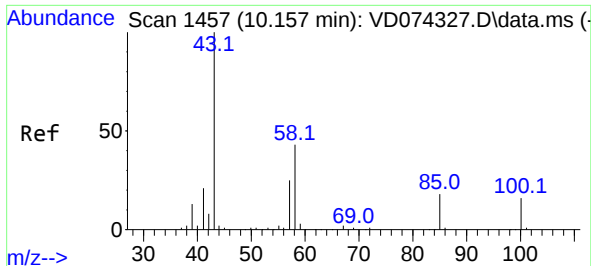
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 0.0 54.2 81.2#



#50
Toluene-d8
Concen: 44.105 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

Tgt Ion: 98 Resp: 180692
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.8

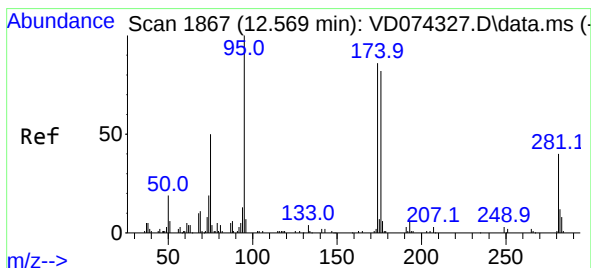
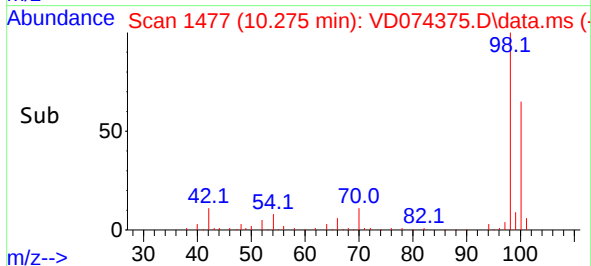
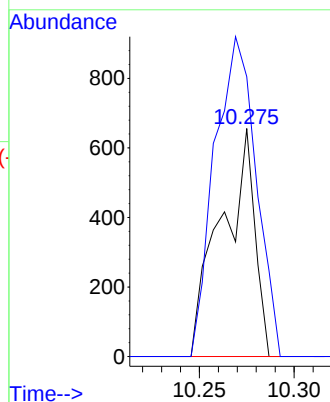
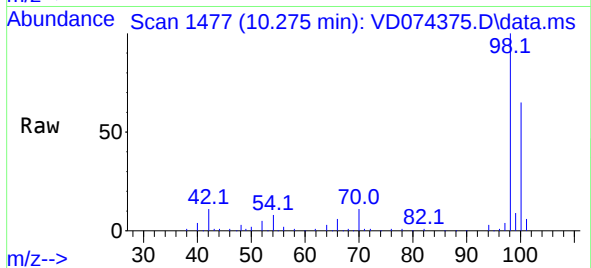




#51
4-Methyl-2-Pentanone
Concen: 1.148 ug/l
RT: 10.275 min Scan# 1457
Delta R.T. 0.118 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

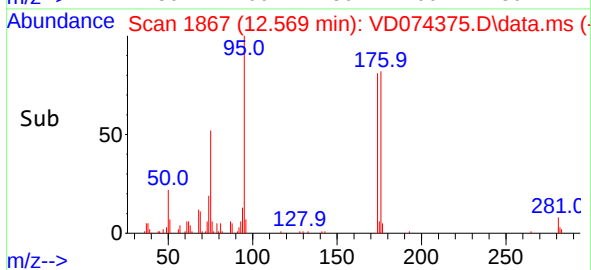
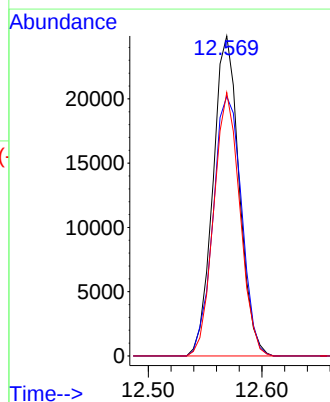
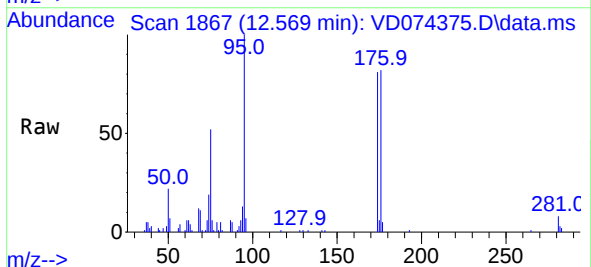
Instrument :
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A1-6-18

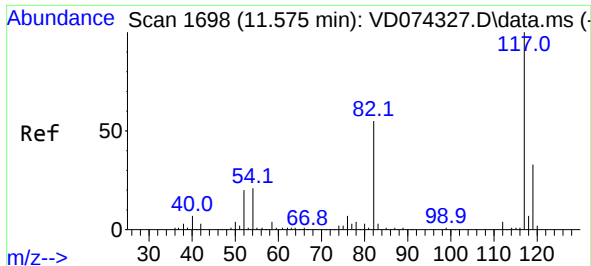
Tgt Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
58 173.1 33.3 49.9#



#62
4-Bromofluorobenzene
Concen: 25.973 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

Tgt Ion: 95 Resp: 39875
Ion Ratio Lower Upper
95 100
174 87.9 0.0 179.2
176 82.1 0.0 171.4

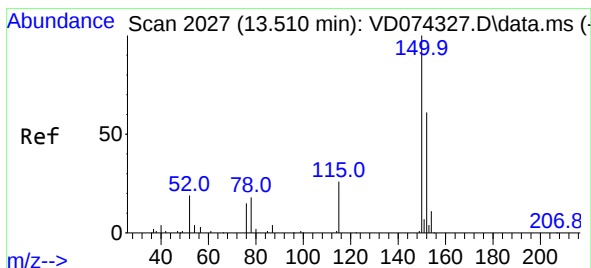
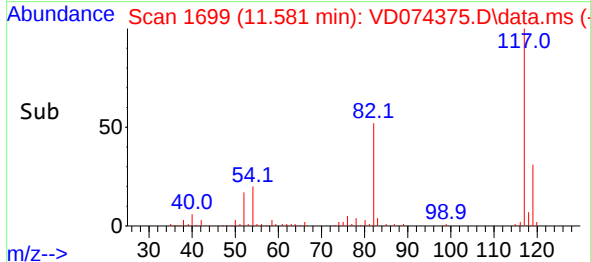
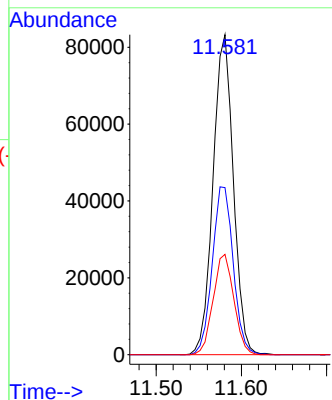
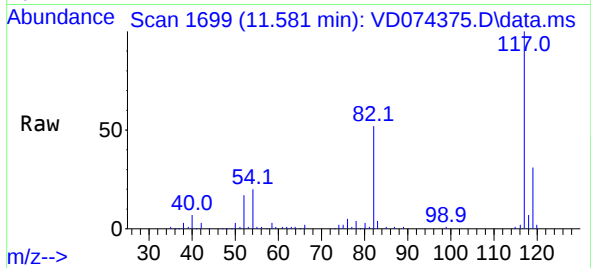




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

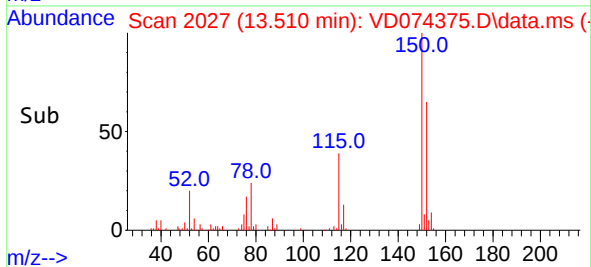
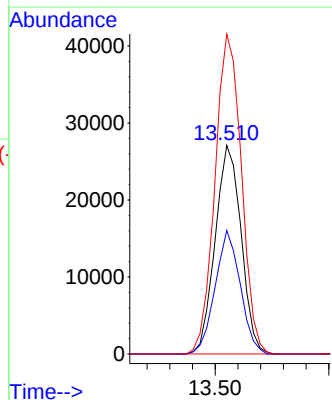
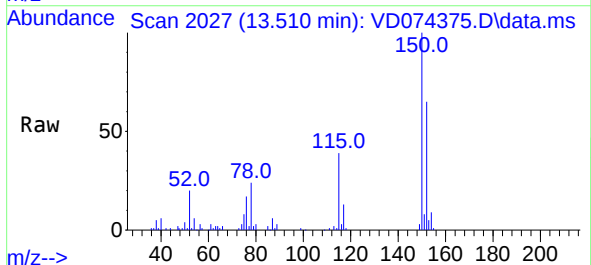
Instrument :
MSVOA_D
ClientSampleId :
A1-6-18

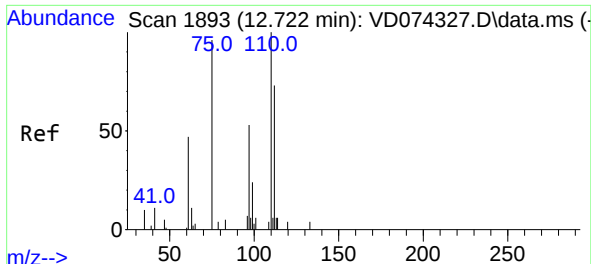
Tgt Ion:117 Resp: 138008
Ion Ratio Lower Upper
117 100
82 52.2 44.2 66.2
119 31.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

Tgt Ion:152 Resp: 43036
Ion Ratio Lower Upper
152 100
115 57.3 28.4 85.2
150 156.1 0.0 351.0

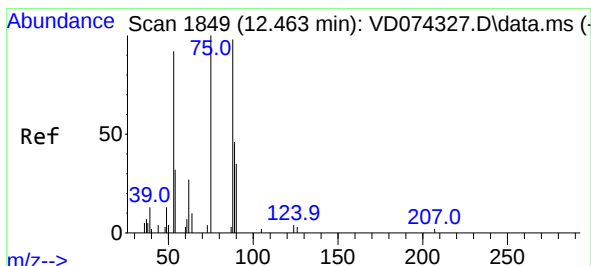
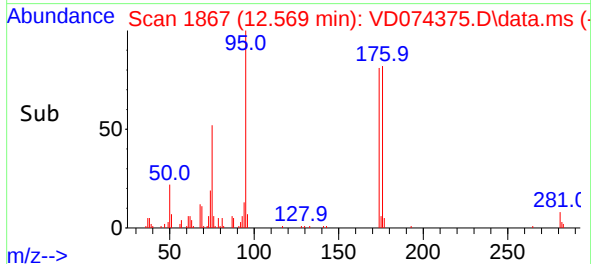
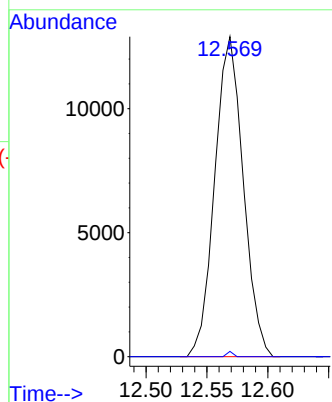
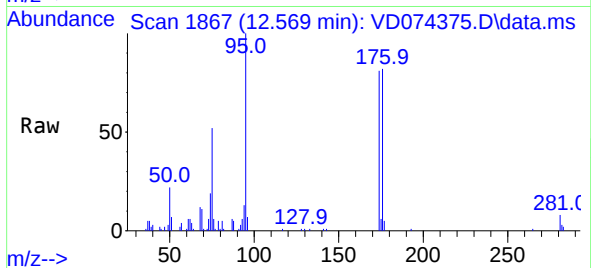




#76
1,2,3-Trichloropropane
Concen: 52.785 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

Instrument :
MSVOA_D
ClientSampleId :
A1-6-18

Tgt Ion: 75 Resp: 21018
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.293 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD074375.D
Acq: 20 Sep 2022 19:41

Tgt Ion: 75 Resp: 21018
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

