

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
 Data File : VD072955.D
 Acq On : 12 May 2022 18:48
 Operator : VA/SY
 Sample : N2782-06
 Misc : 5.83G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 13 05:57:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

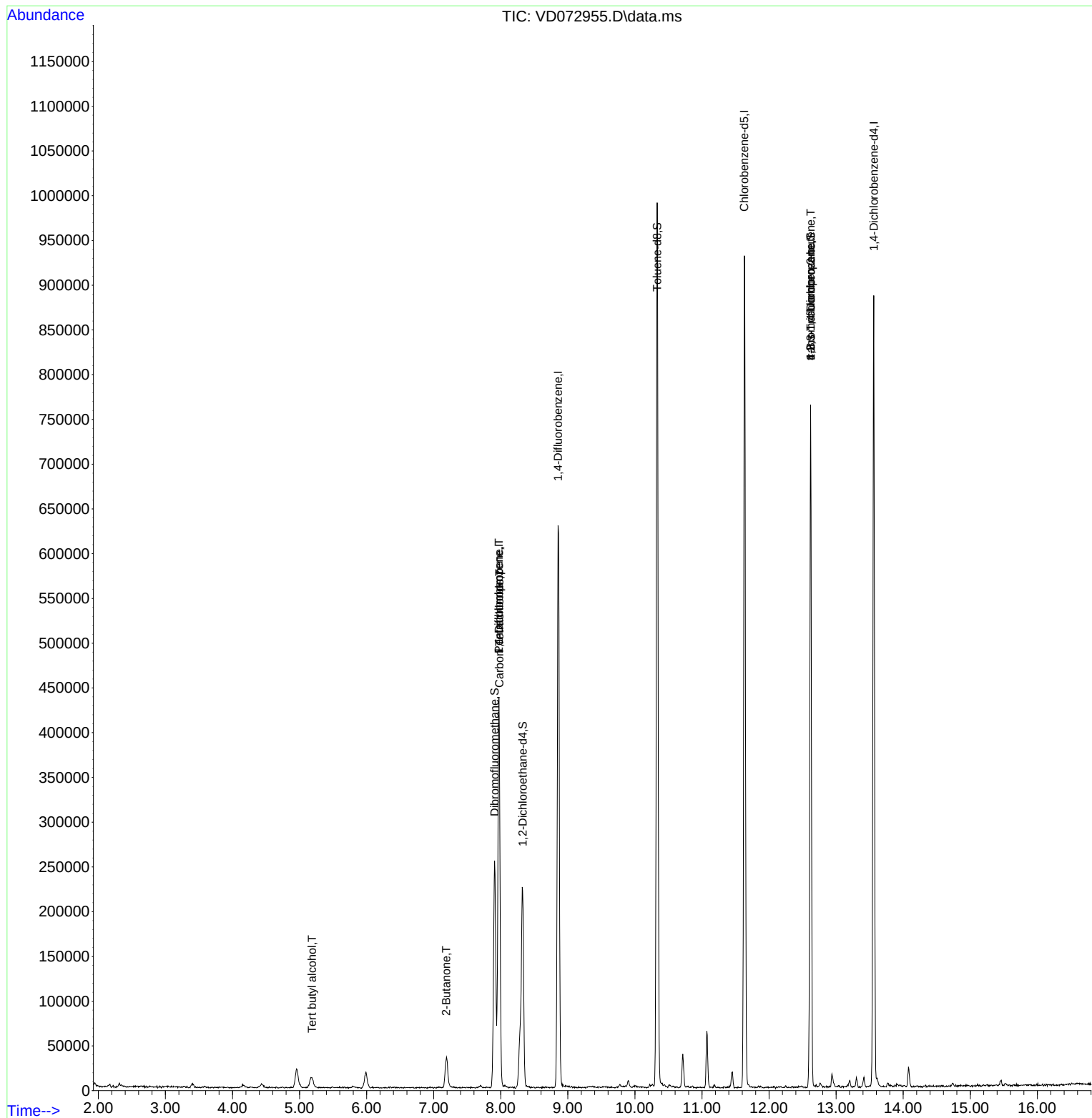
Internal Standards						
1) Pentafluorobenzene	7.973	168	311521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	550697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	536564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	229788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	175444	43.386	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.780%
35) Dibromofluoromethane	7.908	113	182932	47.299	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.600%
50) Toluene-d8	10.332	98	665319	47.956	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.920%
62) 4-Bromofluorobenzene	12.620	95	233614	45.160	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.320%
Target Compounds						
					Qvalue	
5) Bromomethane	2.767	94	672	Below Cal	#	45
11) Tert butyl alcohol	5.185	59	11737	33.547	ug/l #	74
13) Acrolein	4.108	56	70	Below Cal	#	14
16) Acetone	4.150	43	2404	Below Cal	#	44
18) Methyl Acetate	4.744	43	67	Below Cal	#	55
20) Methylene Chloride	4.961	84	16311	Below Cal	#	71
25) 2-Butanone	7.185	43	1369	1.162	ug/l	93
36) 1,1-Dichloropropene	7.973	75	26548	4.221	ug/l #	51
38) Carbon Tetrachloride	7.979	117	32718	5.012	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	119634	46.690	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	119634	107.369	ug/l #	7

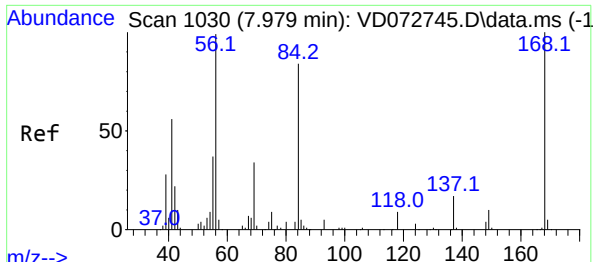
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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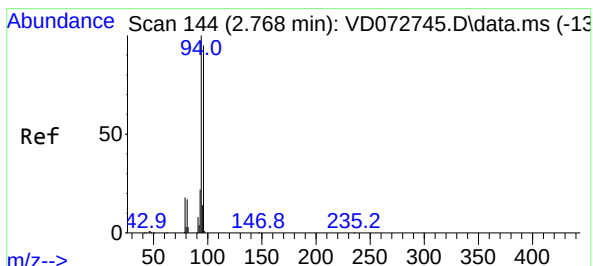
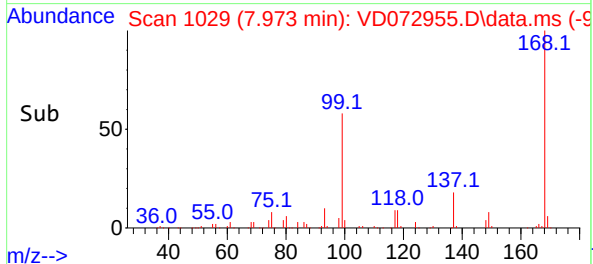
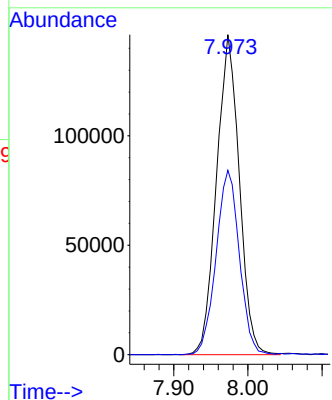
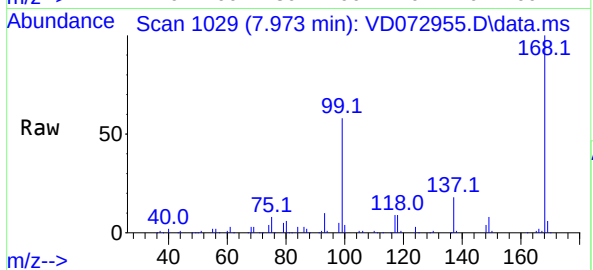




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48

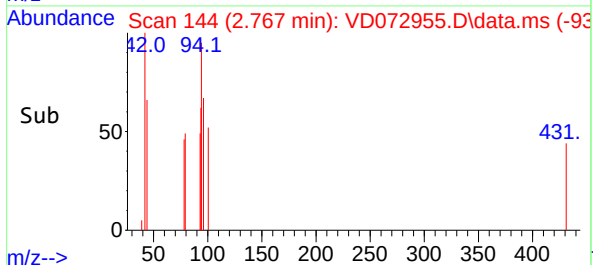
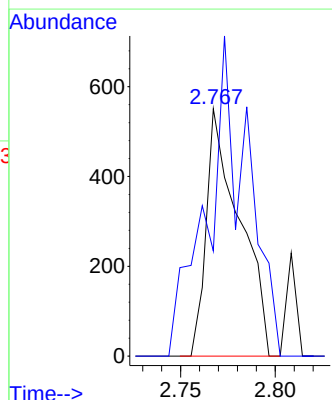
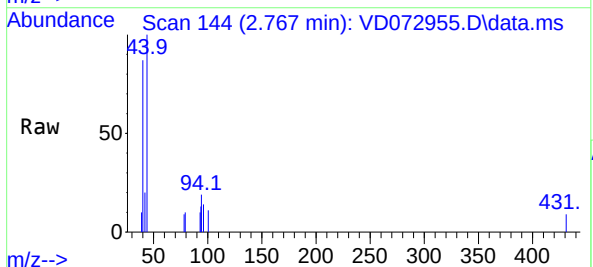
Instrument :
MSVOA_D
ClientSampleId :

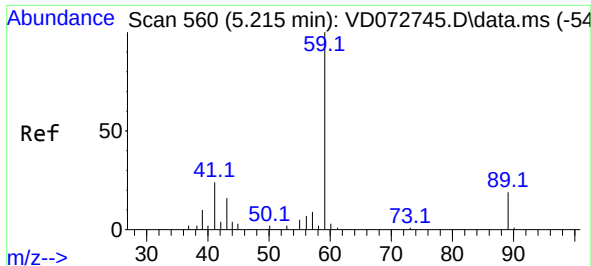
Tgt Ion:168 Resp: 311521
Ion Ratio Lower Upper
168 100
99 57.6 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. -0.001 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48

Tgt Ion: 94 Resp: 672
Ion Ratio Lower Upper
94 100
96 42.5 77.6 116.4#





#11

Tert butyl alcohol

Concen: 33.547 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD072955.D

Acq: 12 May 2022 18:48

Instrument :

MSVOA_D

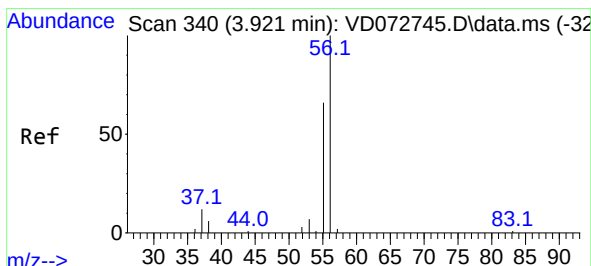
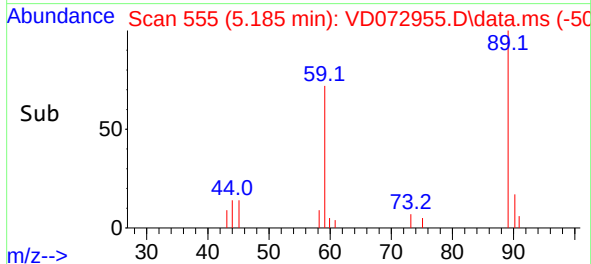
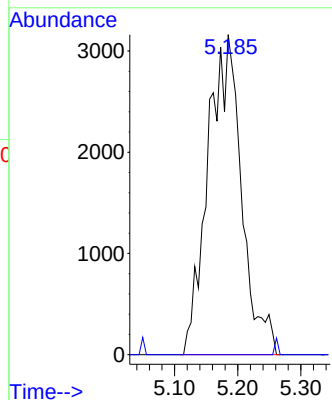
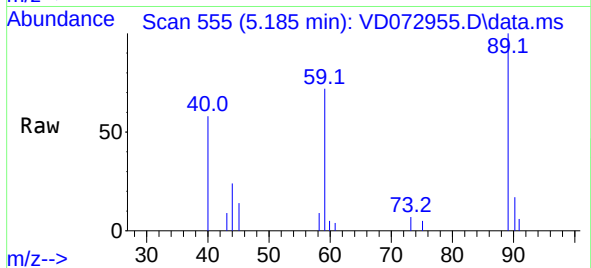
ClientSampleId :

Tgt Ion: 59 Resp: 11737

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#13

Acrolein

Concen: Below Cal

RT: 4.108 min Scan# 372

Delta R.T. 0.187 min

Lab File: VD072955.D

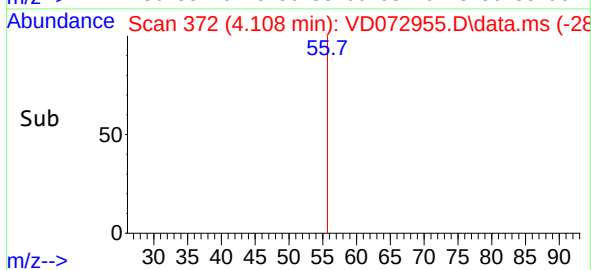
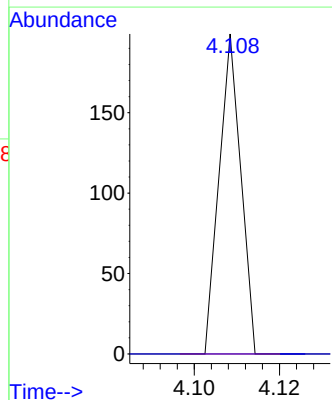
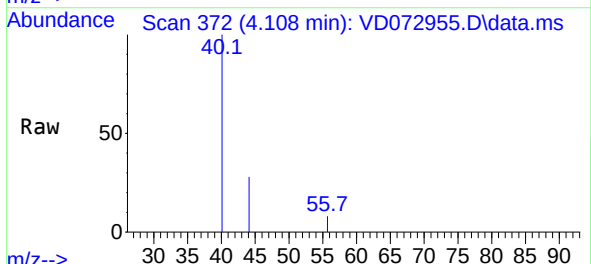
Acq: 12 May 2022 18:48

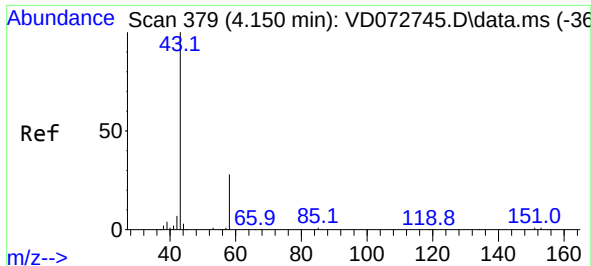
Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

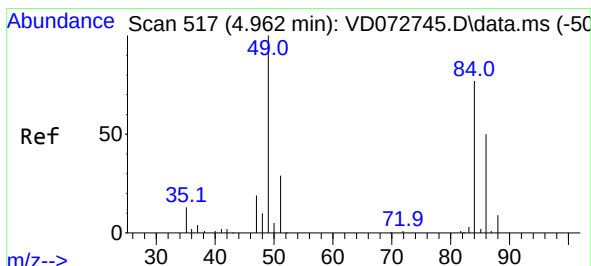
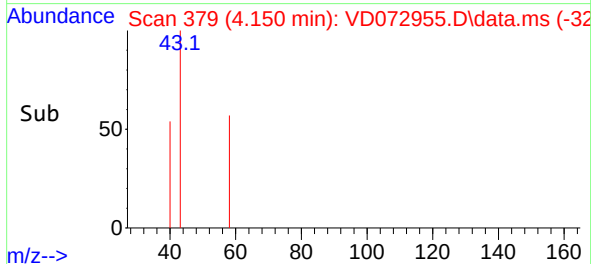
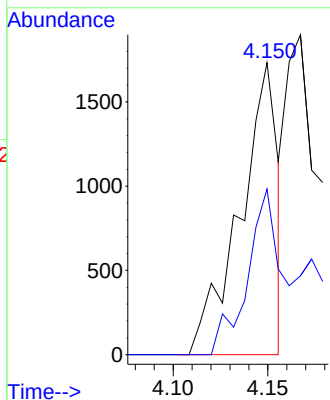
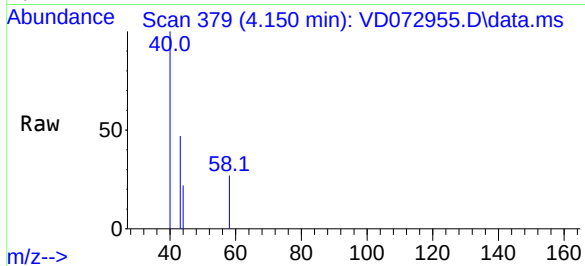




#16
Acetone
Concen: Below Cal
RT: 4.150 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48

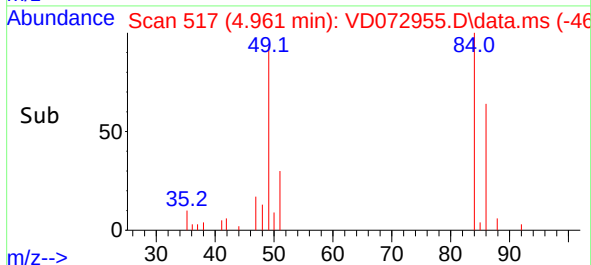
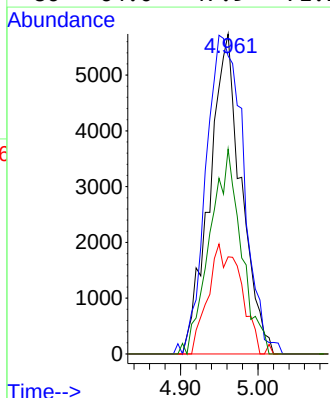
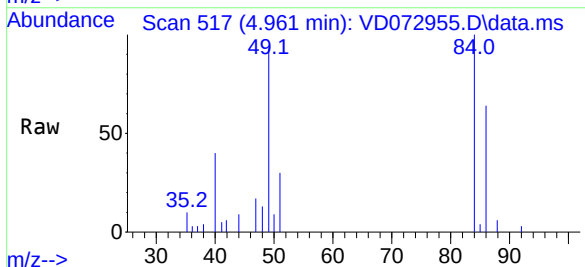
Instrument :
MSVOA_D
ClientSampleId :

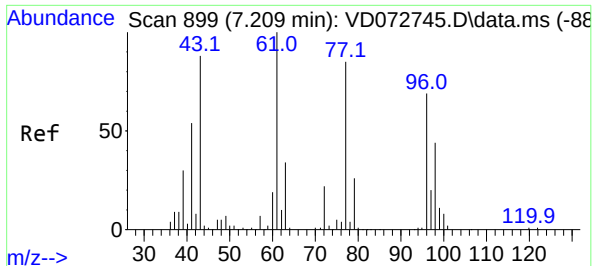
Tgt Ion: 43 Resp: 2404
Ion Ratio Lower Upper
43 100
58 56.7 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48

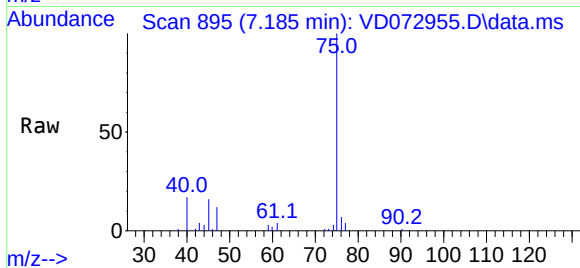
Tgt Ion: 84 Resp: 16311
Ion Ratio Lower Upper
84 100
49 89.9 112.8 169.2#
51 30.4 32.6 48.8#
86 64.0 47.9 71.9



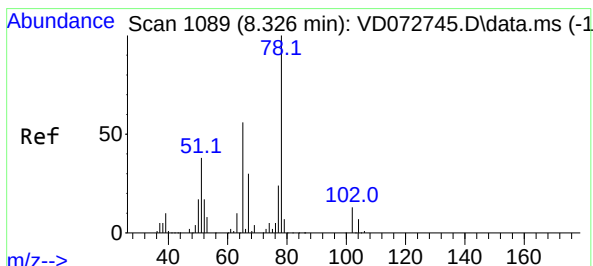
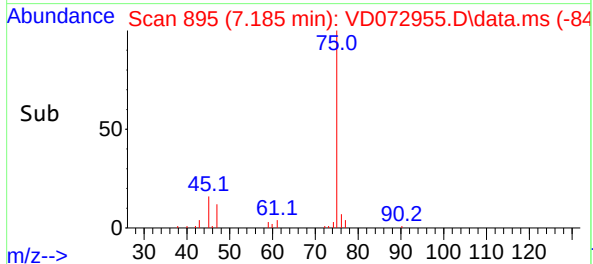
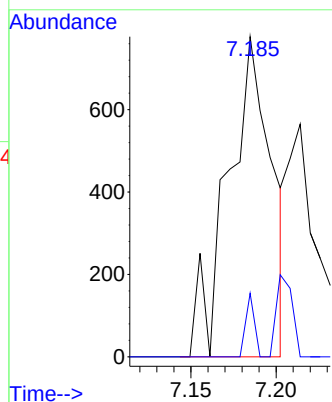


#25
2-Butanone
Concen: 1.162 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48

Instrument :
MSVOA_D
ClientSampleId :

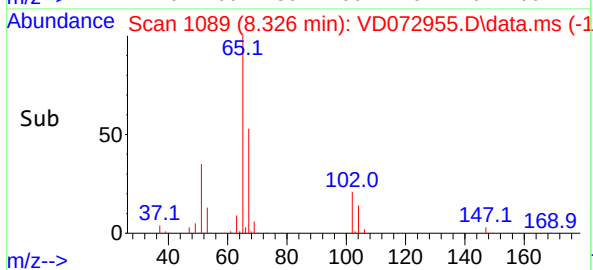
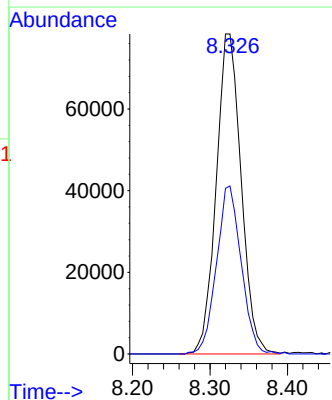
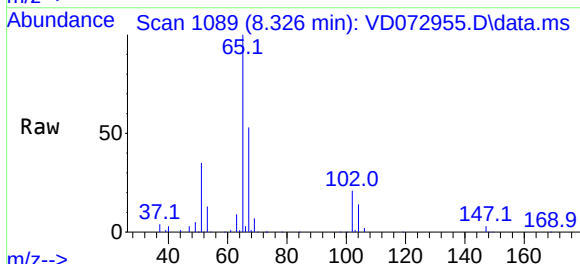


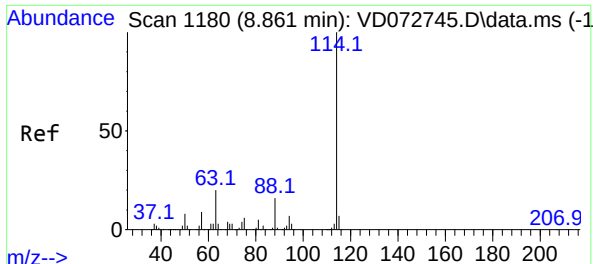
Tgt Ion: 43 Resp: 1369
Ion Ratio Lower Upper
43 100
72 19.8 18.6 27.8



#33
1,2-Dichloroethane-d4
Concen: 43.386 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48

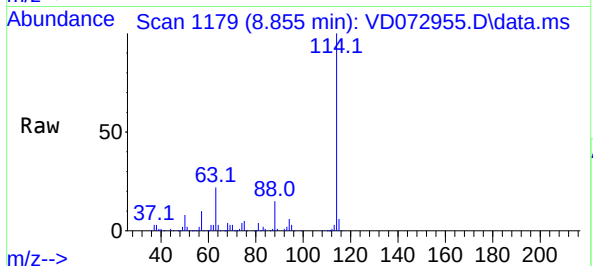
Tgt Ion: 65 Resp: 175444
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.4



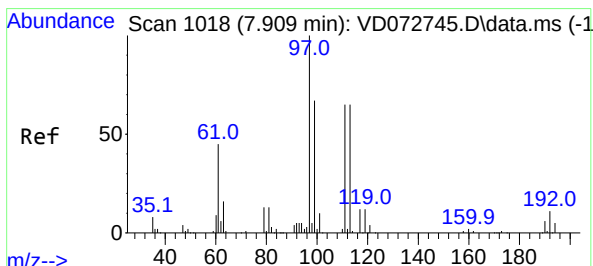
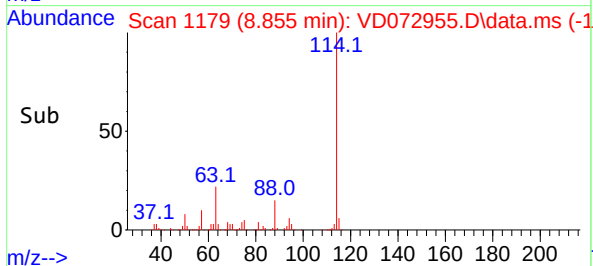
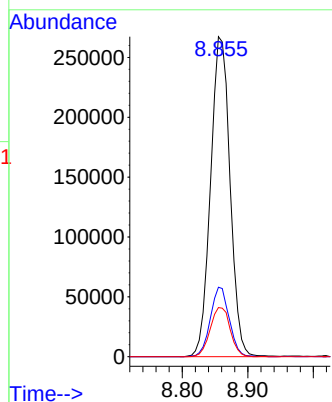


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48

Instrument :
MSVOA_D
ClientSampleId :

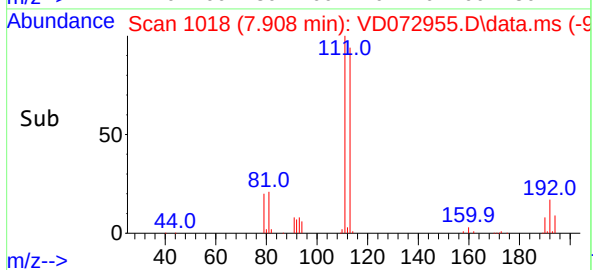
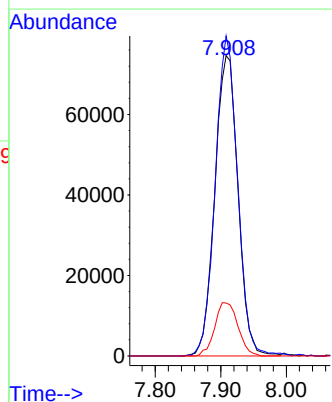
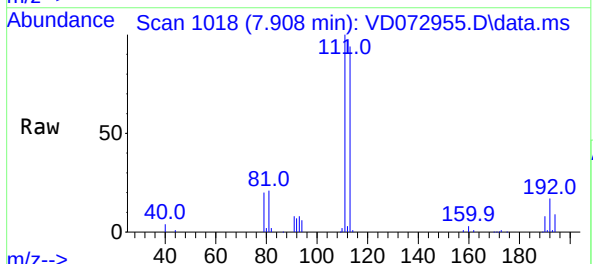


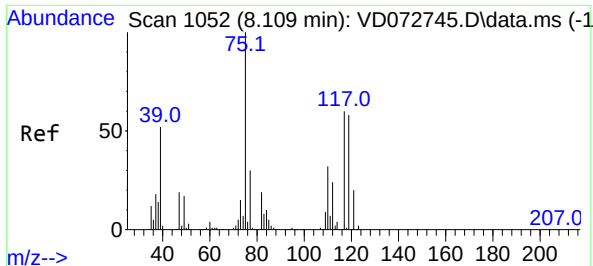
Tgt Ion:114 Resp: 550697
Ion Ratio Lower Upper
114 100
63 21.7 0.0 46.6
88 15.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.299 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48

Tgt Ion:113 Resp: 182932
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.6
192 17.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.221 ug/l

RT: 7.973 min Scan# 1030

Delta R.T. -0.136 min

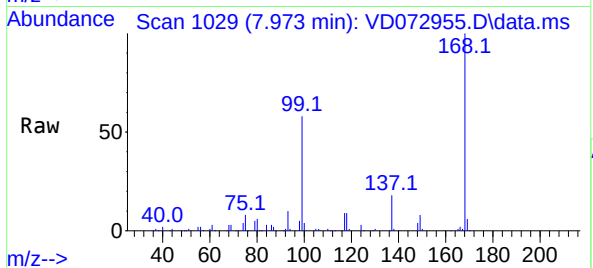
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Acq: 12 May 2022 18:48

Instrument :

MSVOA_D

ClientSampleId :



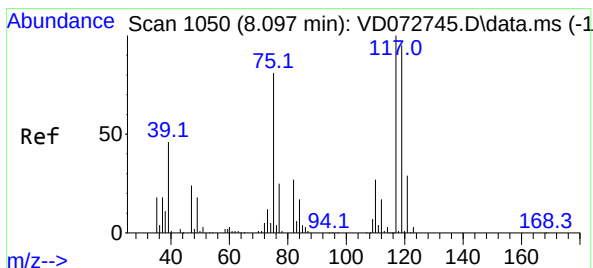
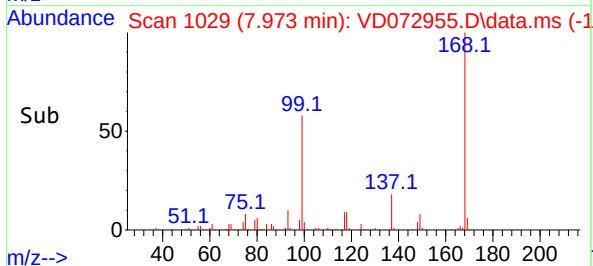
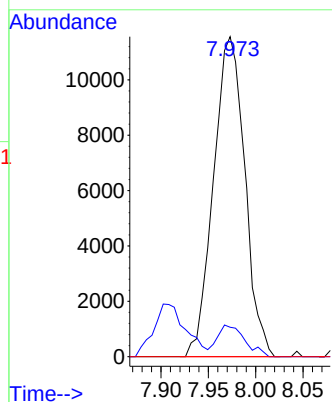
Tgt Ion: 75 Resp: 26548

Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.012 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD072955.D

Acq: 12 May 2022 18:48

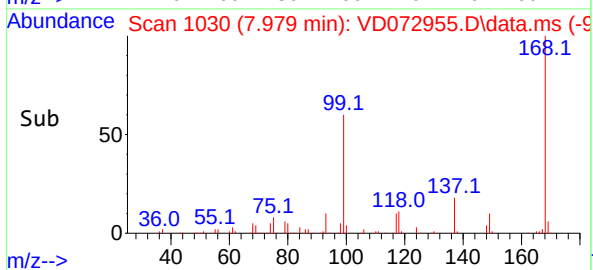
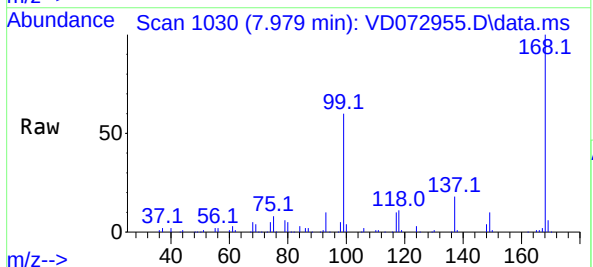
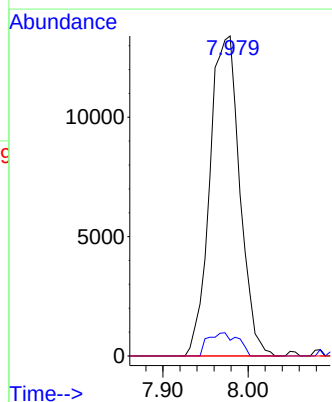
Tgt Ion: 117 Resp: 32718

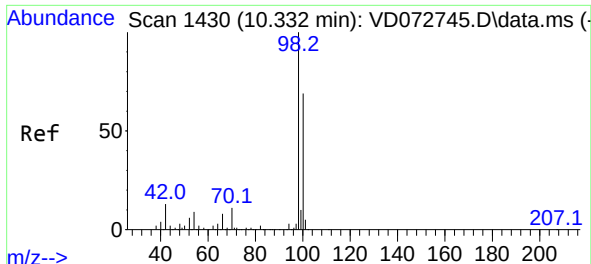
Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

121 0.0 24.5 36.7#

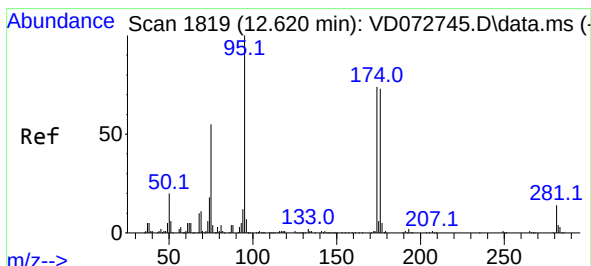
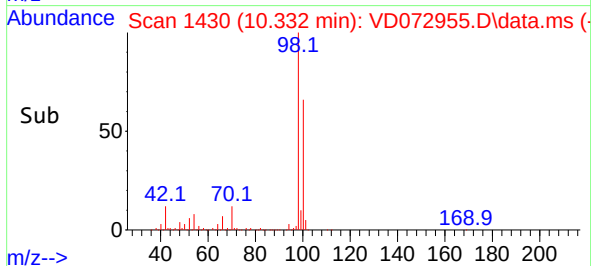
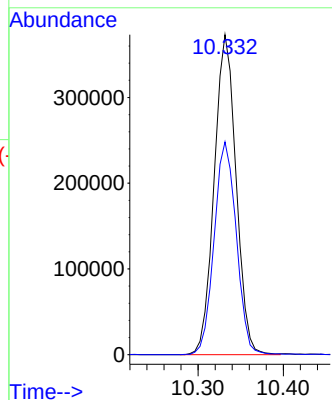
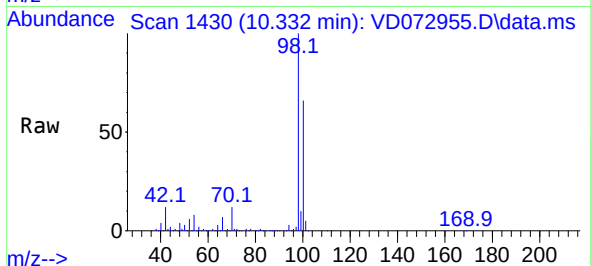




#50
Toluene-d8
Concen: 47.956 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48

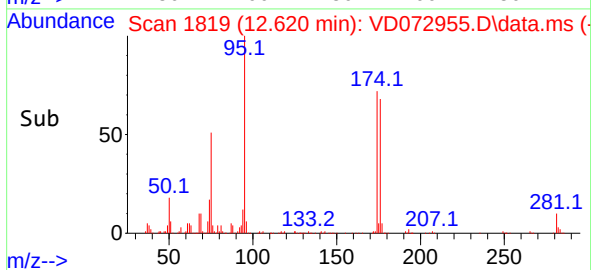
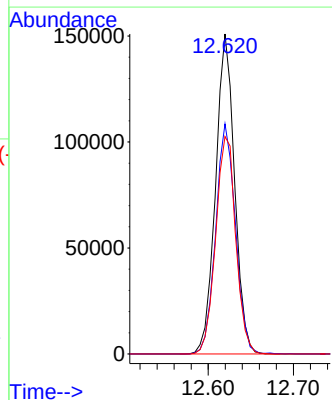
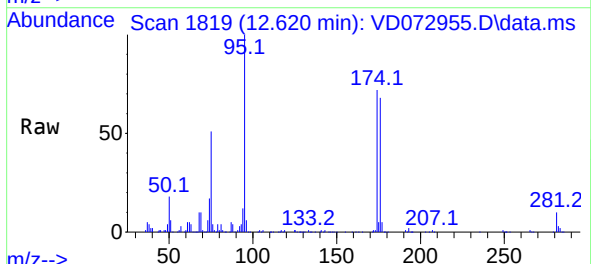
Instrument :
MSVOA_D
ClientSampleId :

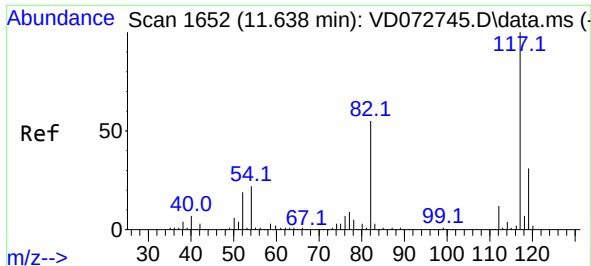
Tgt Ion: 98 Resp: 665319
Ion Ratio Lower Upper
98 100
100 67.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 45.160 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48

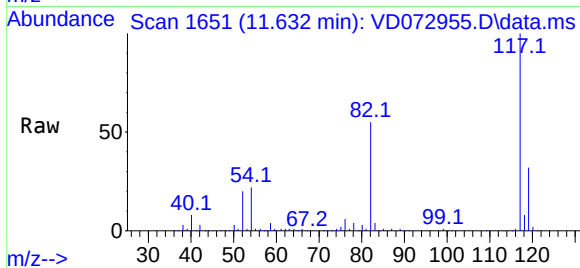
Tgt Ion: 95 Resp: 233614
Ion Ratio Lower Upper
95 100
174 74.9 0.0 152.8
176 71.8 0.0 145.4



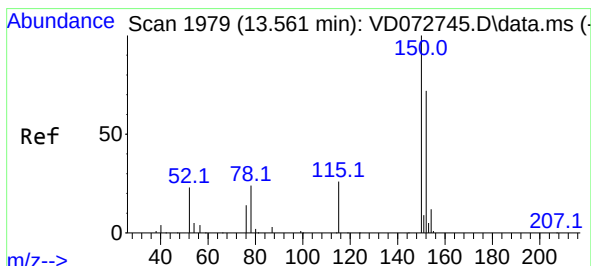
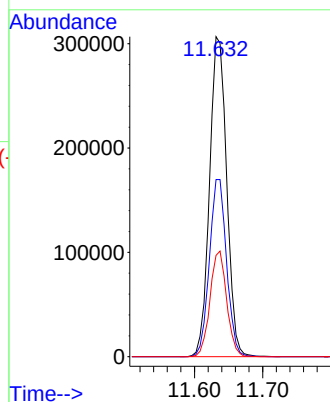
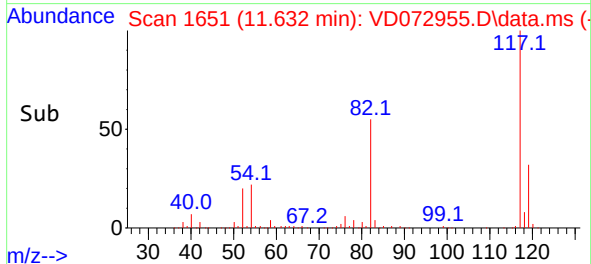


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48

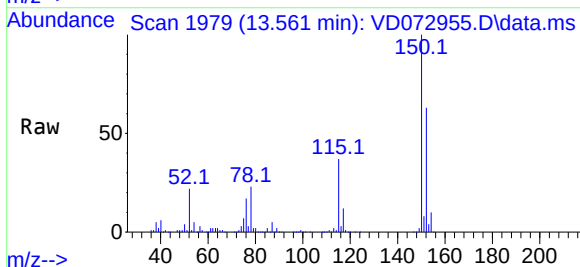
Instrument :
MSVOA_D
ClientSampleId :



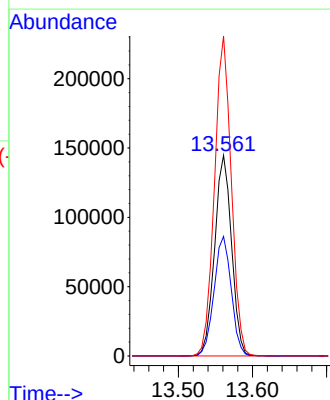
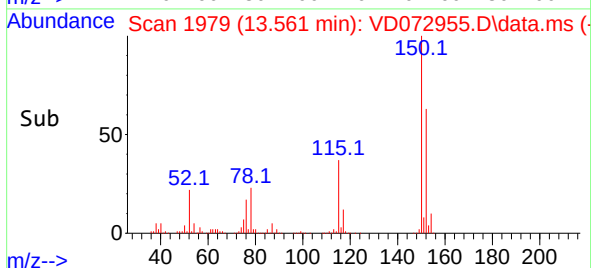
Tgt Ion:117 Resp: 536564
Ion Ratio Lower Upper
117 100
82 55.4 45.3 67.9
119 31.7 26.6 40.0

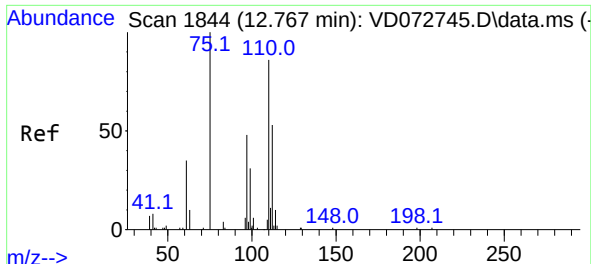


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48



Tgt Ion:152 Resp: 229788
Ion Ratio Lower Upper
152 100
115 60.5 31.3 93.8
150 158.1 0.0 348.6

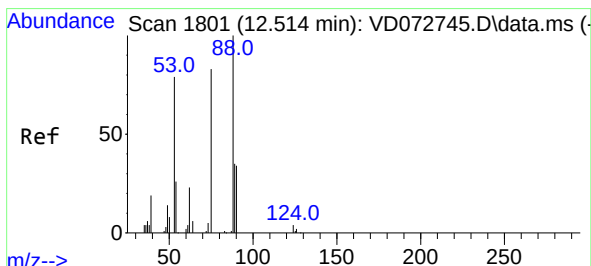
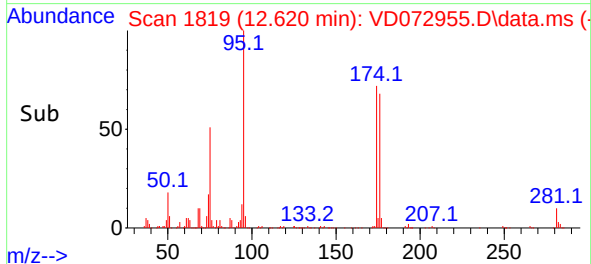
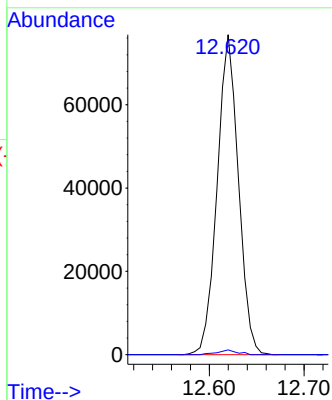
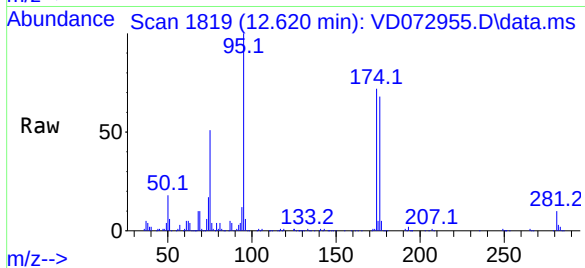




#76
1,2,3-Trichloropropane
Concen: 46.690 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 119634
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.369 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072955.D
Acq: 12 May 2022 18:48

Tgt Ion: 75 Resp: 119634
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#

