

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110321\
 Data File : VD070907.D
 Acq On : 03 Nov 2021 13:40
 Operator : VA/SY
 Sample : M4407-07
 Misc : 5.80G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 03 22:09:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

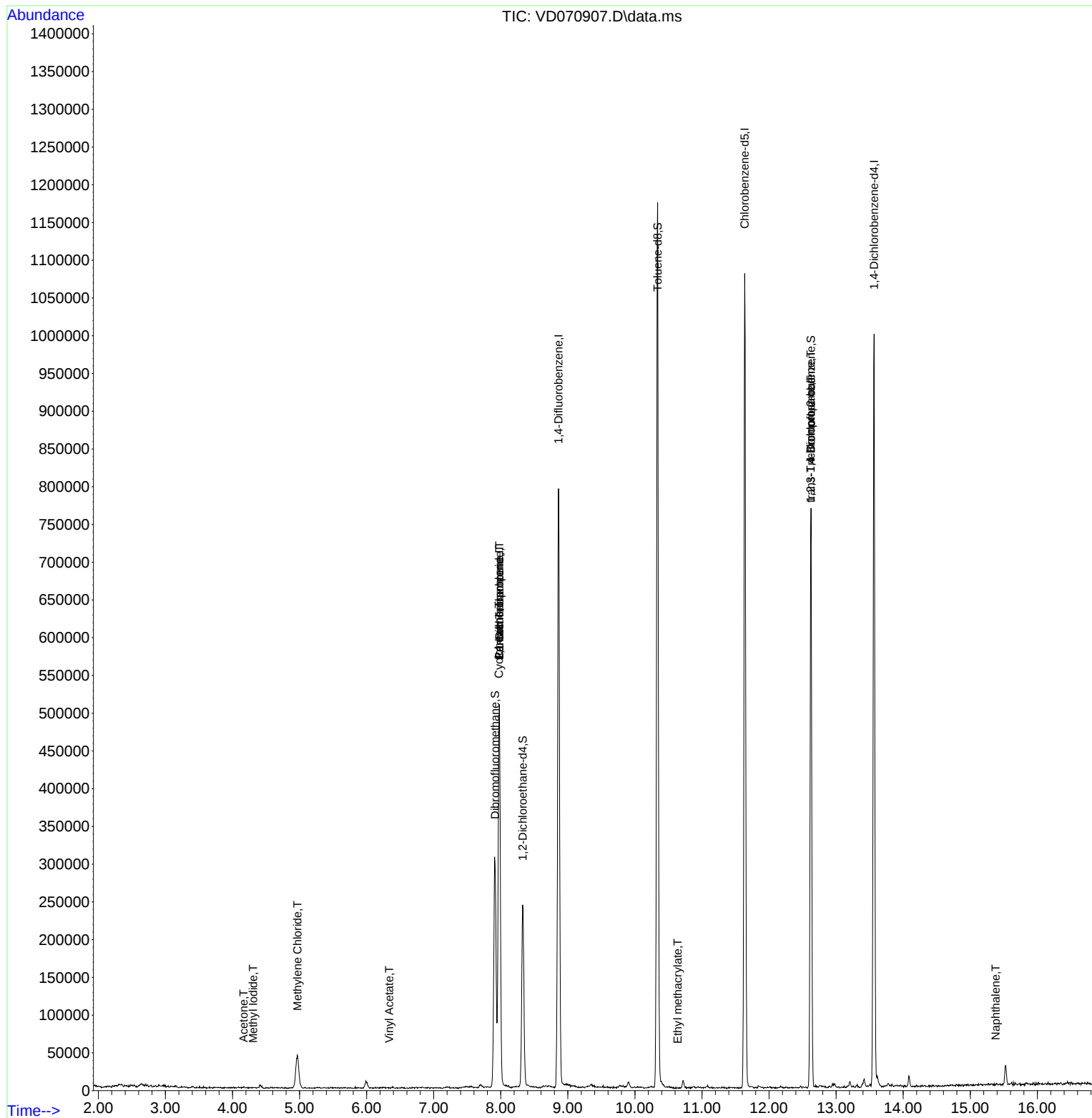
Internal Standards						
1) Pentafluorobenzene	7.979	168	395510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	687952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	646957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	276200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	186868	46.977	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.960%		
35) Dibromofluoromethane	7.914	113	229220	50.533	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.060%		
50) Toluene-d8	10.338	98	840901	49.276	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.560%		
62) 4-Bromofluorobenzene	12.626	95	258103	45.839	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.680%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	961	Below Cal	#	36
10) Methyl Iodide	4.309	142	477	3.702	ug/l #	54
16) Acetone	4.167	43	1536	1.660	ug/l #	73
20) Methylene Chloride	4.967	84	35595	1.499	ug/l #	91
23) Vinyl Acetate	6.338	43	61	14.424	ug/l #	72
31) Cyclohexane	7.973	56	8693	1.072	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	31237	4.340	ug/l #	48
38) Carbon Tetrachloride	7.979	117	37575	5.191	ug/l #	19
56) Ethyl methacrylate	10.638	69	602	2.962	ug/l #	36
76) 1,2,3-Trichloropropane	12.620	75	122558	45.075	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	122558	118.307	ug/l #	18
95) Naphthalene	15.379	128	490	4.176	ug/l #	69

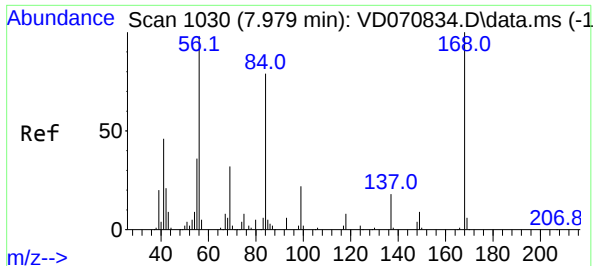
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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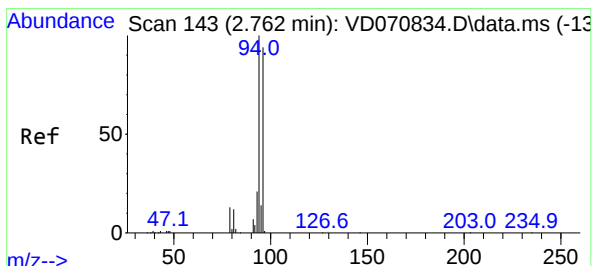
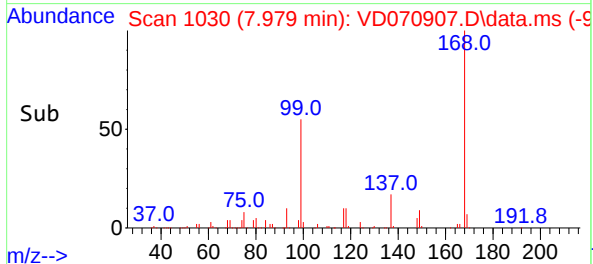
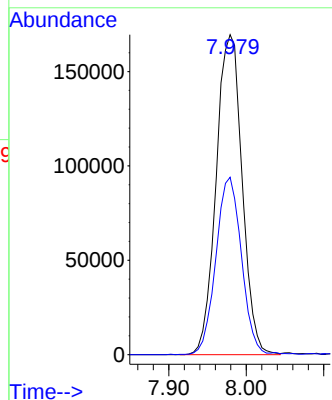
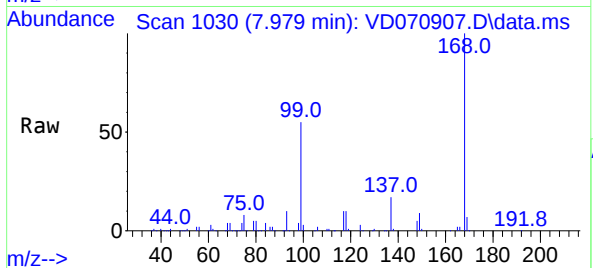




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD070907.D
Acq: 03 Nov 2021 13:40

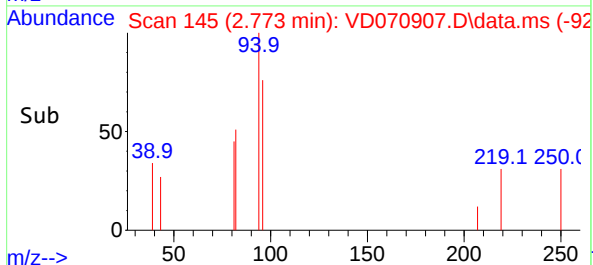
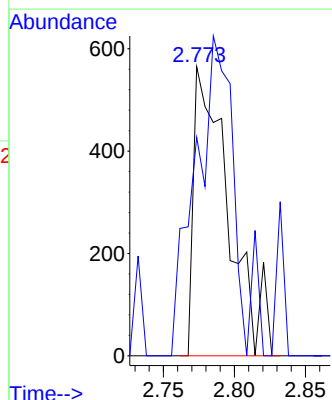
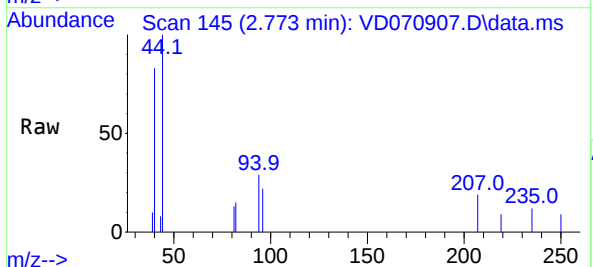
Instrument :
MSVOA_D
ClientSampleId :

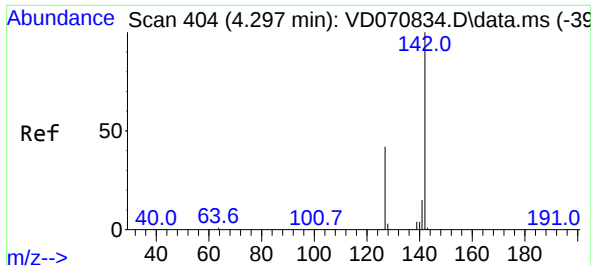
Tgt Ion:168 Resp: 395510
Ion Ratio Lower Upper
168 100
99 55.4 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070907.D
Acq: 03 Nov 2021 13:40

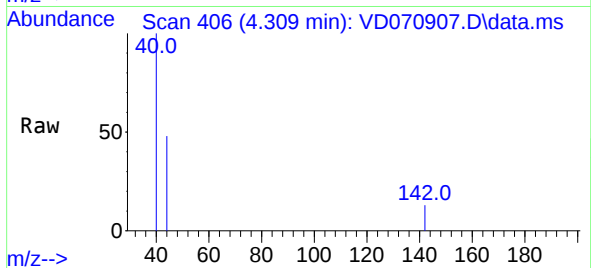
Tgt Ion: 94 Resp: 961
Ion Ratio Lower Upper
94 100
96 31.5 74.8 112.2#



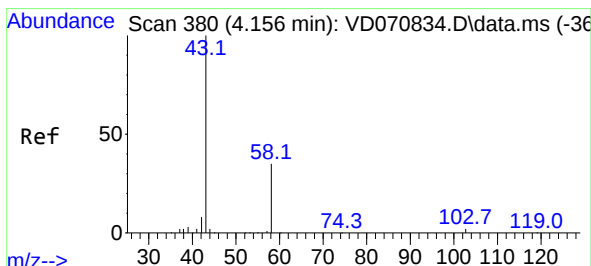
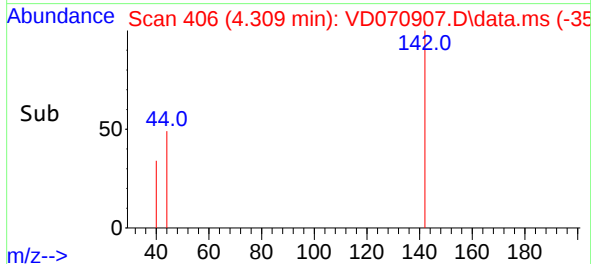
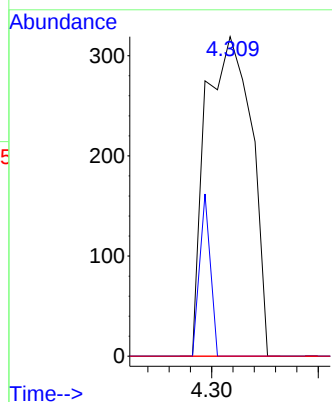


#10
Methyl Iodide
Concen: 3.702 ug/l
RT: 4.309 min Scan# 404
Delta R.T. 0.012 min
Lab File: VD070907.D
Acq: 03 Nov 2021 13:40

Instrument :
MSVOA_D
ClientSampleId :

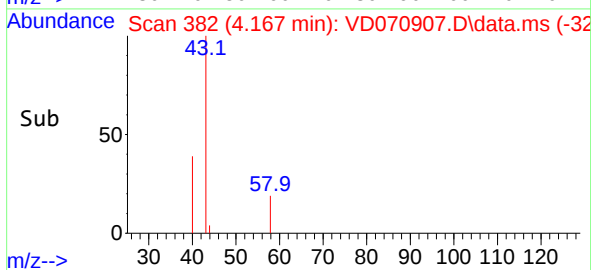
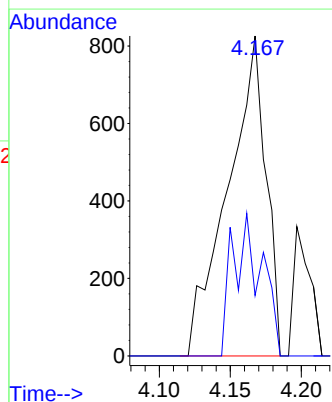
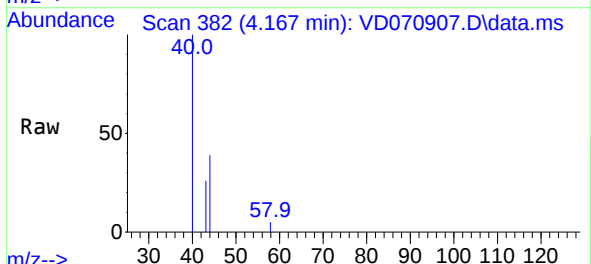


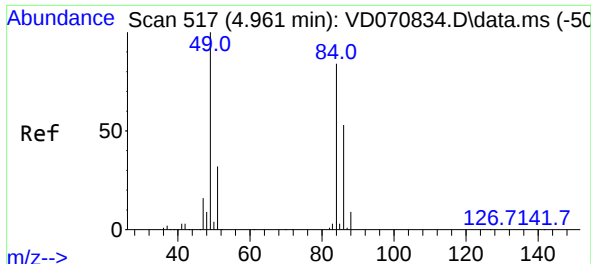
Tgt Ion:142 Resp: 477
Ion Ratio Lower Upper
142 100
127 11.9 35.0 52.4#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 1.660 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070907.D
Acq: 03 Nov 2021 13:40

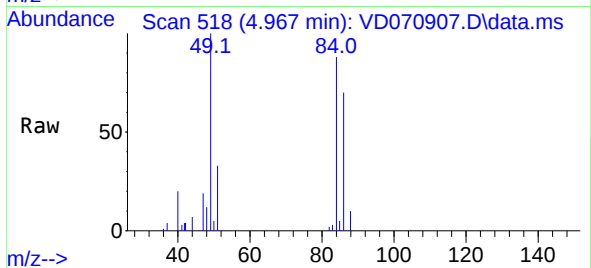
Tgt Ion: 43 Resp: 1536
Ion Ratio Lower Upper
43 100
58 18.9 27.8 41.8#



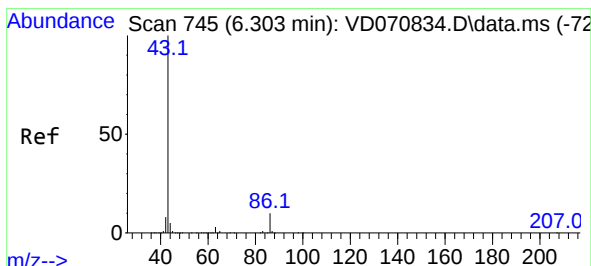
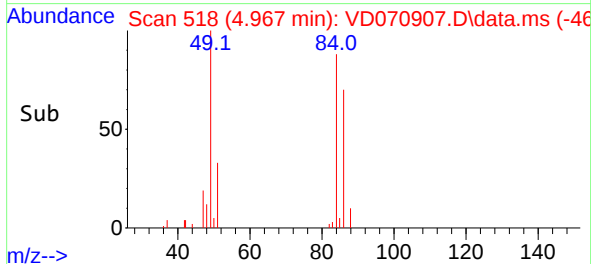
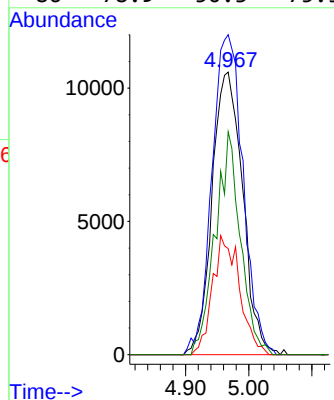


#20
Methylene Chloride
Concen: 1.499 ug/l
RT: 4.967 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD070907.D
Acq: 03 Nov 2021 13:40

Instrument :
MSVOA_D
ClientSampleId :

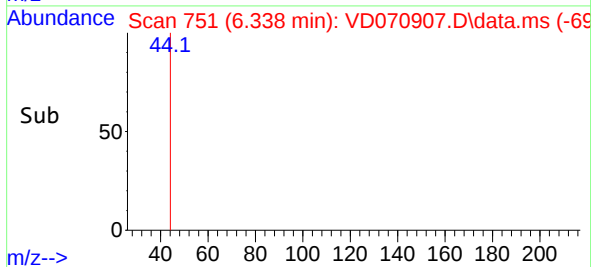
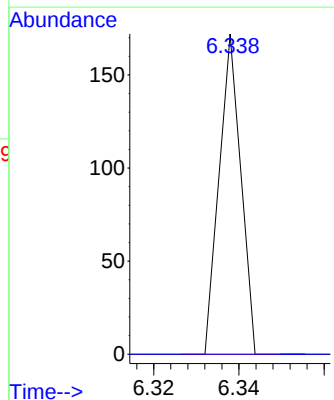
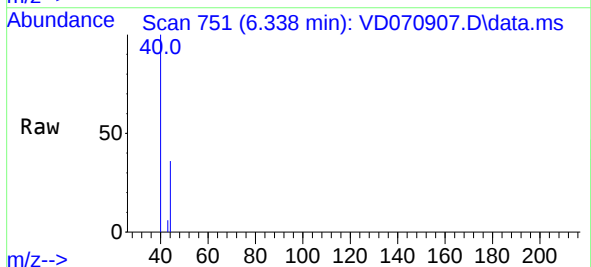


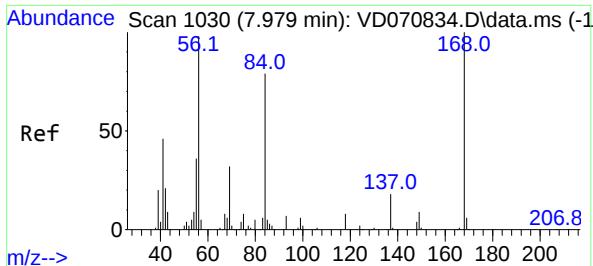
Tgt Ion: 84 Resp: 35595
Ion Ratio Lower Upper
84 100
49 113.3 95.8 143.6
51 37.6 30.9 46.3
86 78.9 50.3 75.5#



#23
Vinyl Acetate
Concen: 14.424 ug/l
RT: 6.338 min Scan# 751
Delta R.T. 0.035 min
Lab File: VD070907.D
Acq: 03 Nov 2021 13:40

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#





#31

Cyclohexane

Concen: 1.072 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

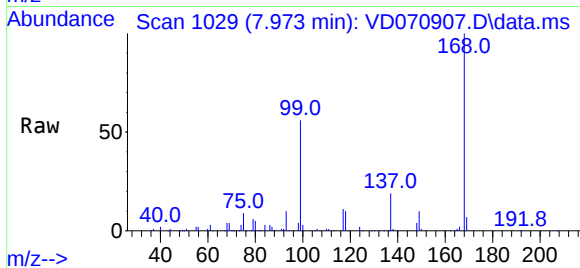
Lab File: VD070907.D

Acq: 03 Nov 2021 13:40

Instrument :

MSVOA_D

ClientSampleId :



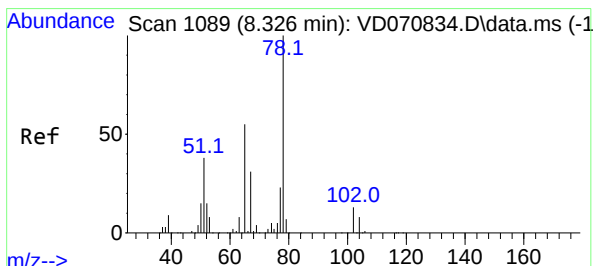
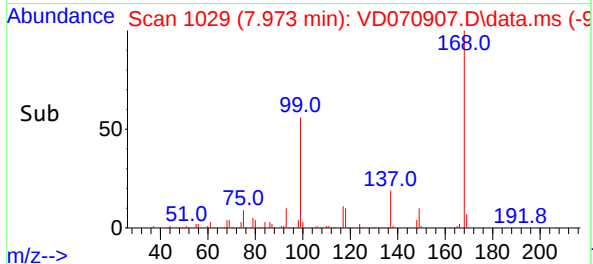
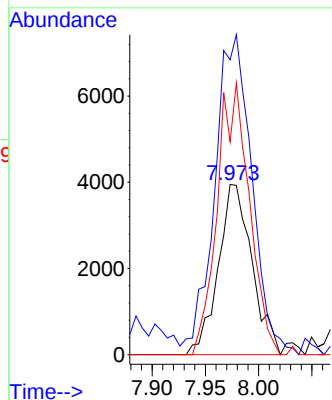
Tgt Ion: 56 Resp: 8693

Ion Ratio Lower Upper

56 100

69 168.2 25.9 38.9#

84 125.1 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 46.977 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070907.D

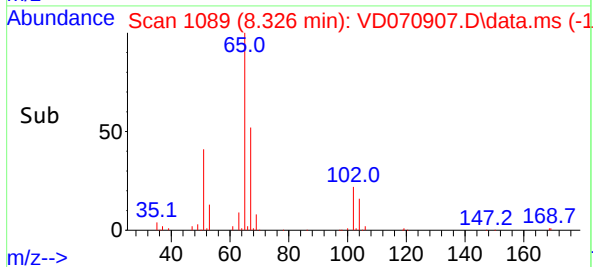
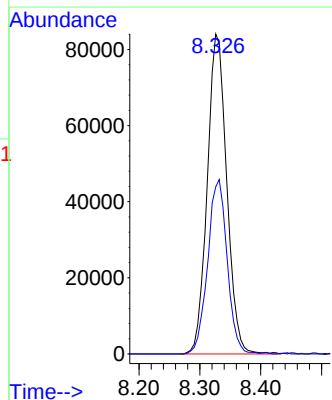
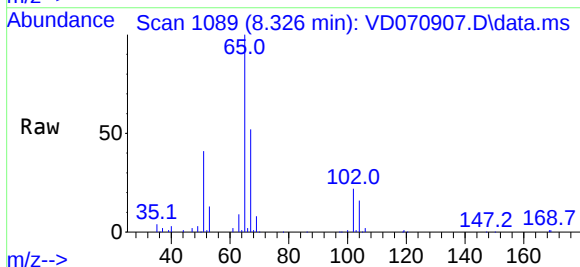
Acq: 03 Nov 2021 13:40

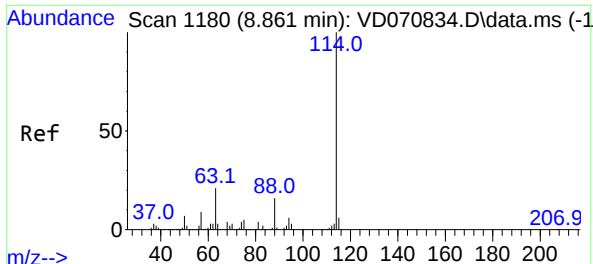
Tgt Ion: 65 Resp: 186868

Ion Ratio Lower Upper

65 100

67 54.4 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070907.D

Acq: 03 Nov 2021 13:40

Instrument :

MSVOA_D

ClientSampleId :

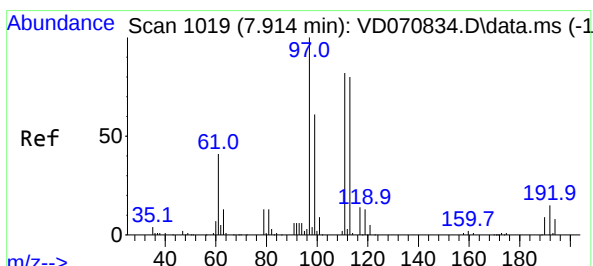
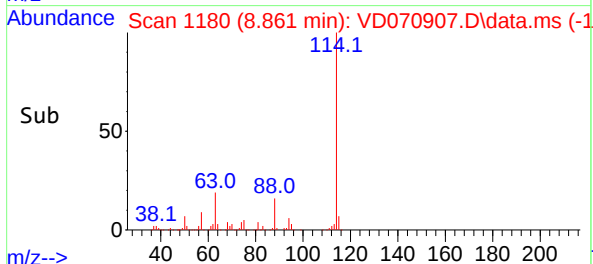
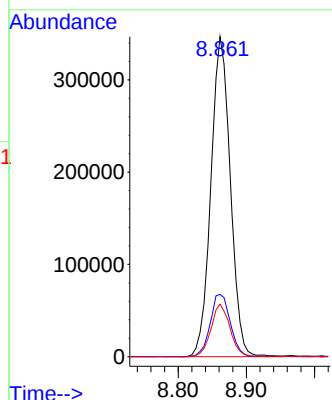
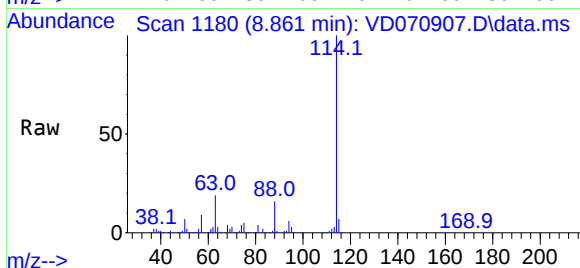
Tgt Ion:114 Resp: 687952

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.533 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070907.D

Acq: 03 Nov 2021 13:40

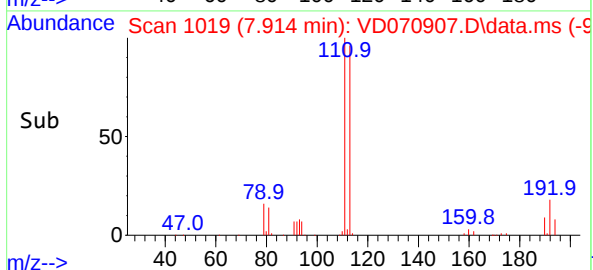
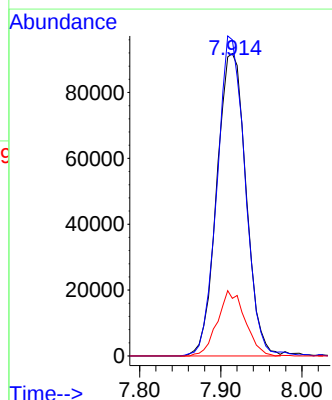
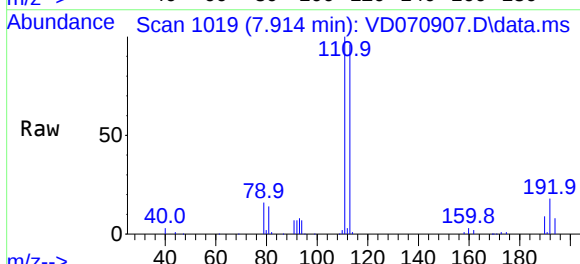
Tgt Ion:113 Resp: 229220

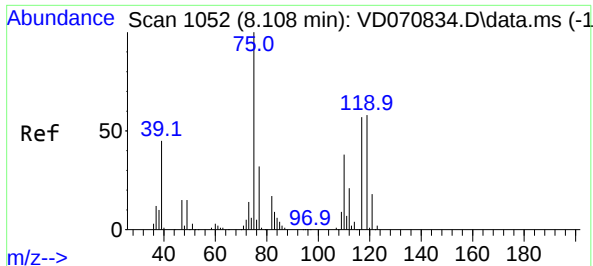
Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

192 20.5 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.340 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD070907.D

Acq: 03 Nov 2021 13:40

Instrument :

MSVOA_D

ClientSampleId :

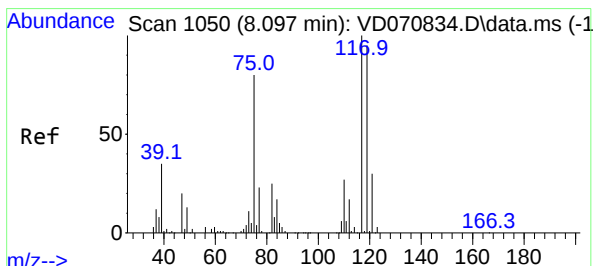
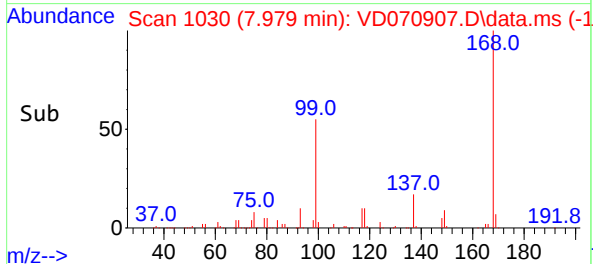
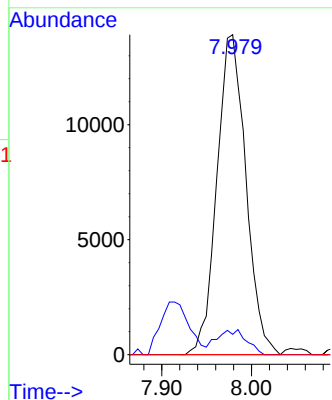
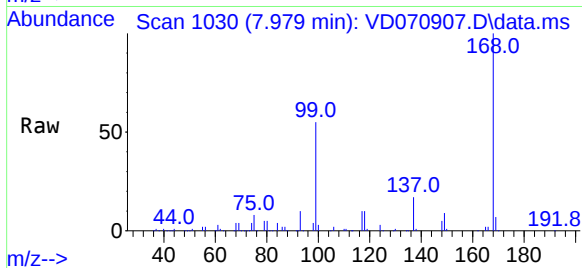
Tgt Ion: 75 Resp: 31237

Ion Ratio Lower Upper

75 100

110 7.9 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.191 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD070907.D

Acq: 03 Nov 2021 13:40

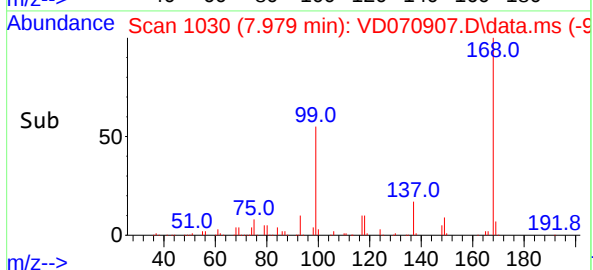
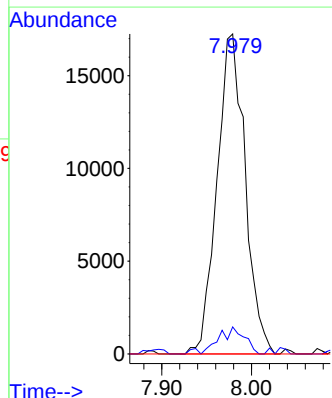
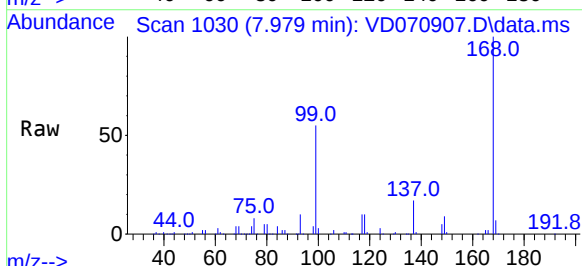
Tgt Ion: 117 Resp: 37575

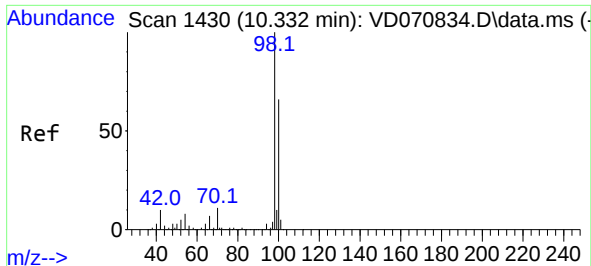
Ion Ratio Lower Upper

117 100

119 8.5 75.8 113.6#

121 0.0 23.6 35.4#

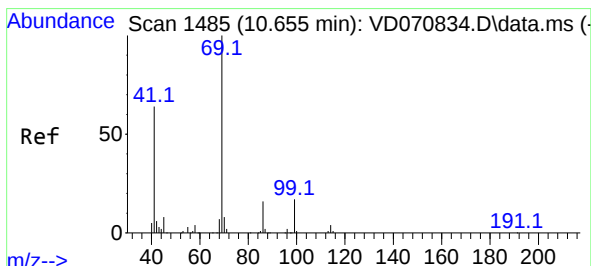
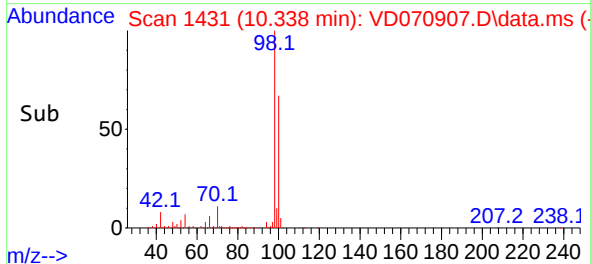
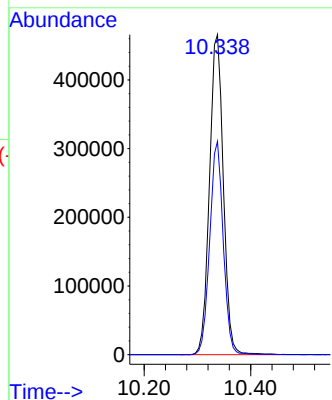
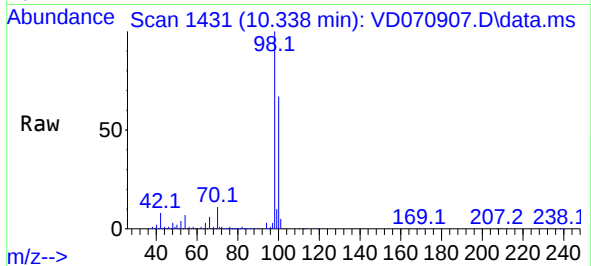




#50
Toluene-d8
Concen: 49.276 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD070907.D
Acq: 03 Nov 2021 13:40

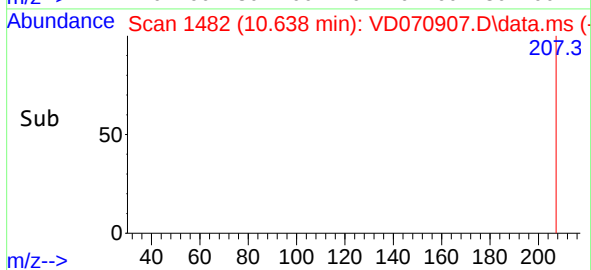
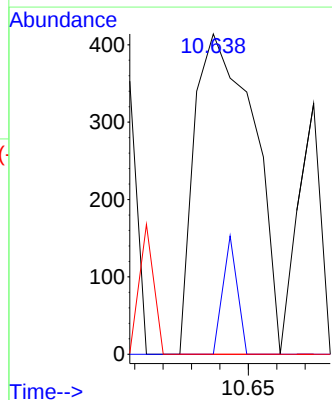
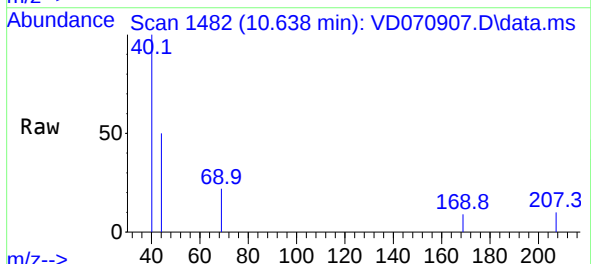
Instrument :
MSVOA_D
ClientSampleId :

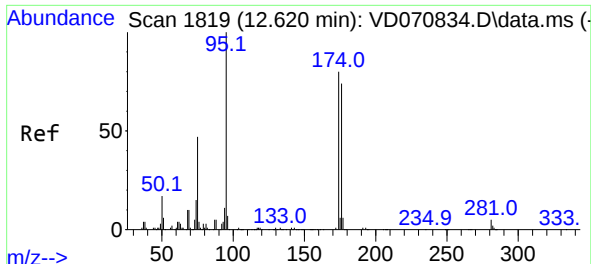
Tgt Ion: 98 Resp: 840901
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#56
Ethyl methacrylate
Concen: 2.962 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD070907.D
Acq: 03 Nov 2021 13:40

Tgt Ion: 69 Resp: 602
Ion Ratio Lower Upper
69 100
41 9.0 50.2 75.2#
39 0.0 19.8 29.8#

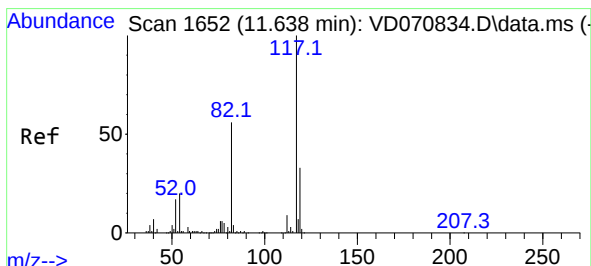
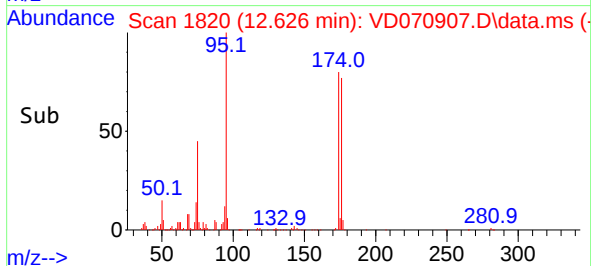
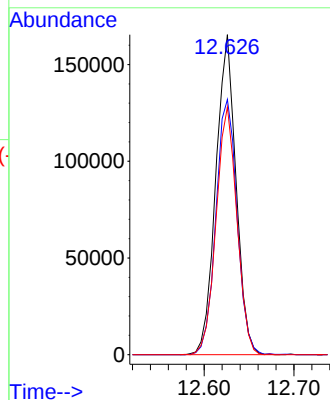
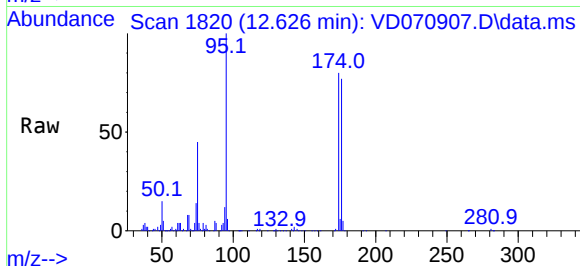




#62
4-Bromofluorobenzene
Concen: 45.839 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD070907.D
Acq: 03 Nov 2021 13:40

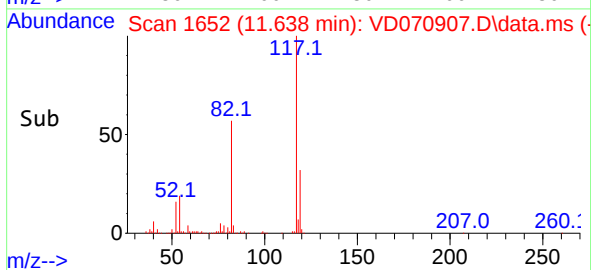
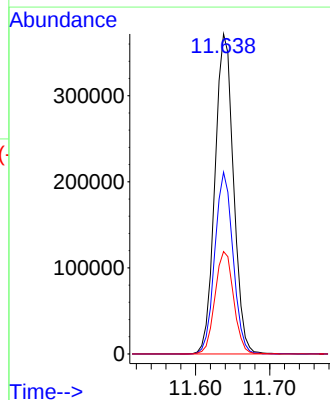
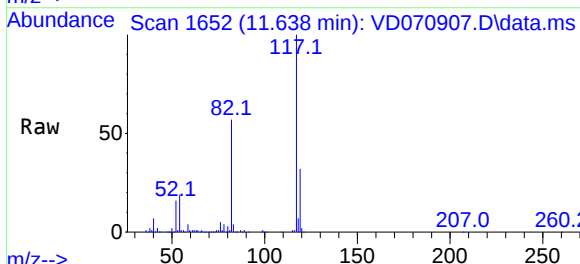
Instrument :
MSVOA_D
ClientSampleId :

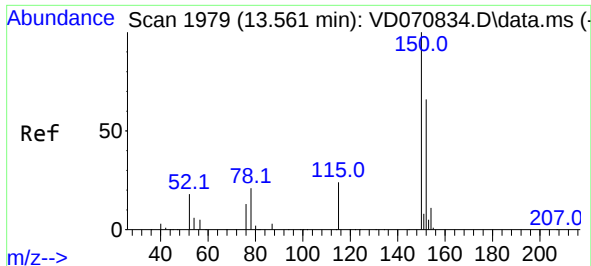
Tgt Ion: 95 Resp: 258103
Ion Ratio Lower Upper
95 100
174 83.7 0.0 159.4
176 79.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070907.D
Acq: 03 Nov 2021 13:40

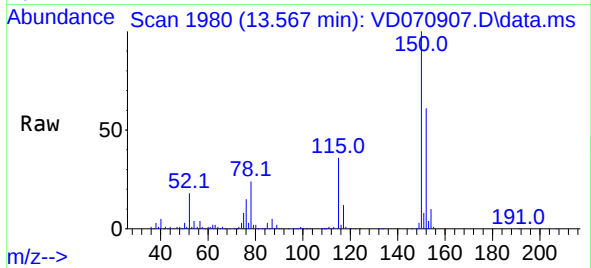
Tgt Ion: 117 Resp: 646957
Ion Ratio Lower Upper
117 100
82 56.8 44.7 67.1
119 32.0 26.2 39.4



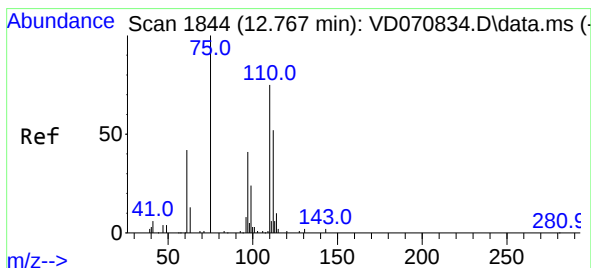
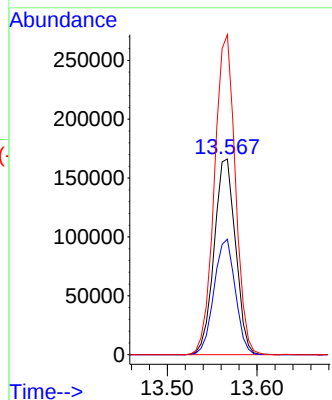
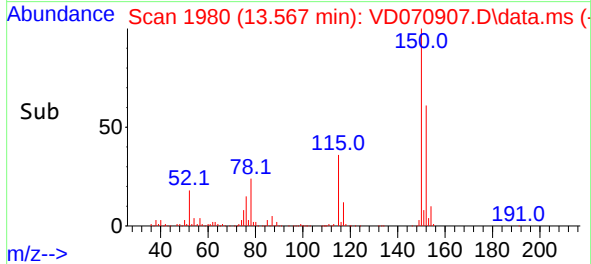


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1819
 Delta R.T. 0.006 min
 Lab File: VD070907.D
 Acq: 03 Nov 2021 13:40

Instrument :
 MSVOA_D
 ClientSampleId :

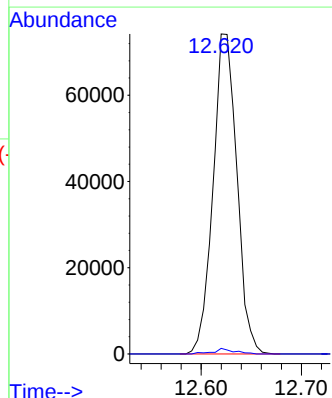
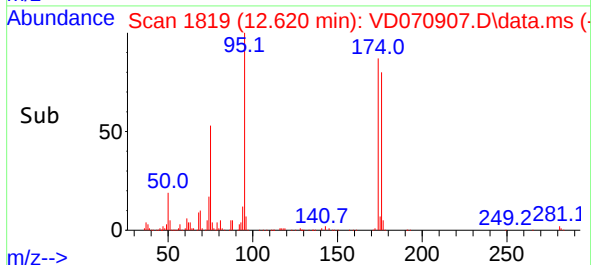
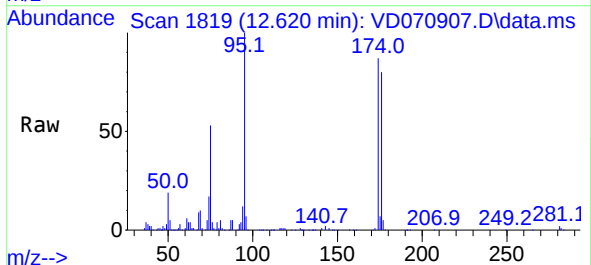


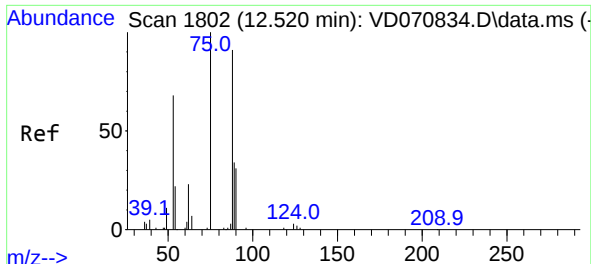
Tgt Ion:152 Resp: 276200
 Ion Ratio Lower Upper
 152 100
 115 58.8 29.8 89.3
 150 159.3 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 45.075 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD070907.D
 Acq: 03 Nov 2021 13:40

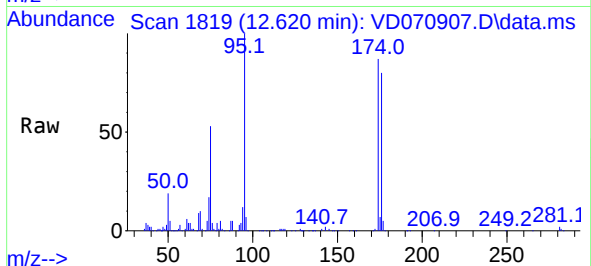
Tgt Ion: 75 Resp: 122558
 Ion Ratio Lower Upper
 75 100
 77 1.5 158.4 475.3#



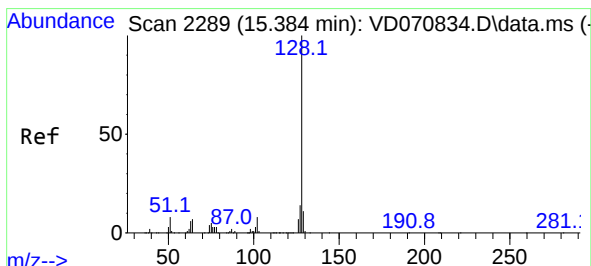
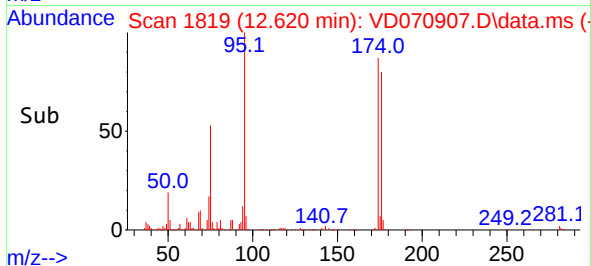
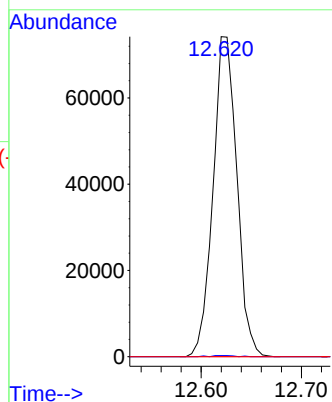


#81
trans-1,4-Dichloro-2-butene
Concen: 118.307 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD070907.D
Acq: 03 Nov 2021 13:40

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 122558
Ion Ratio Lower Upper
75 100
53 0.4 62.6 94.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.176 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070907.D
Acq: 03 Nov 2021 13:40

Tgt Ion:128 Resp: 490
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

