

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102621\
 Data File : VD070842.D
 Acq On : 26 Oct 2021 16:06
 Operator : VA/SY
 Sample : M4355-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 27 06:21:50 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)

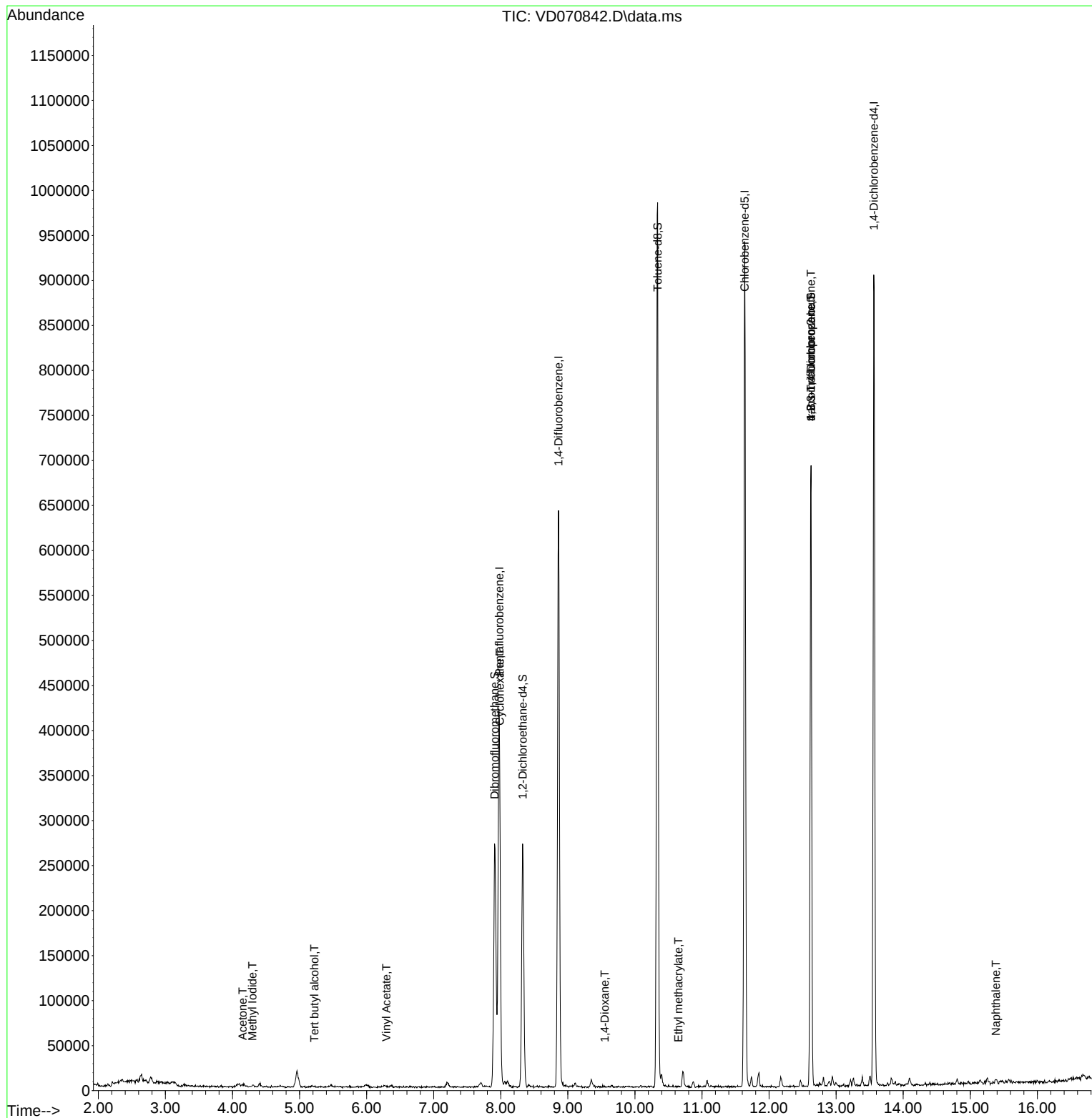
Internal Standards						
1) Pentafluorobenzene	7.979	168	313250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	546366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	547036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	254264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	201835	64.064	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 128.120%		
35) Dibromofluoromethane	7.908	113	195790	54.349	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 108.700%		
50) Toluene-d8	10.338	98	696322	51.377	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 102.760%		
62) 4-Bromofluorobenzene	12.626	95	230476	51.540	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 103.080%		
Target Compounds						
						Qvalue
5) Bromomethane	2.785	94	3924	Below Cal		96
10) Methyl Iodide	4.297	142	2096	4.122 ug/l	#	71
11) Tert butyl alcohol	5.220	59	263	1.571 ug/l	#	71
16) Acetone	4.150	43	6017	8.209 ug/l		98
20) Methylene Chloride	4.961	84	13693	Below Cal		97
23) Vinyl Acetate	6.297	43	57	14.425 ug/l	#	72
31) Cyclohexane	7.985	56	8726	1.359 ug/l	#	19
49) 1,4-Dioxane	9.549	88	54	2.342 ug/l	#	23
56) Ethyl methacrylate	10.649	69	576	2.986 ug/l	#	50
76) 1,2,3-Trichloropropane	12.626	75	113457	45.328 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	113457	118.971 ug/l	#	18
95) Naphthalene	15.384	128	4083	4.593 ug/l	#	90

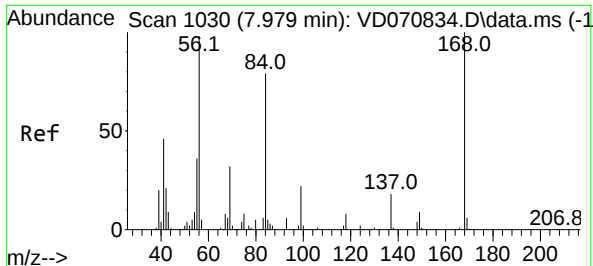
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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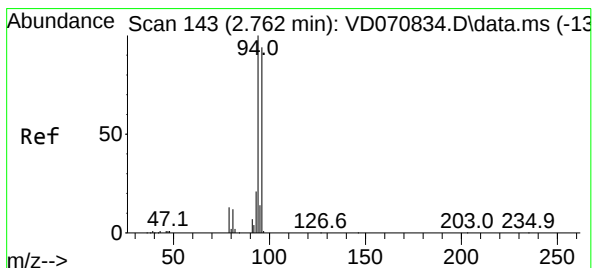
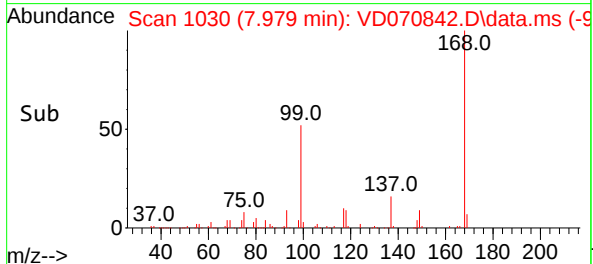
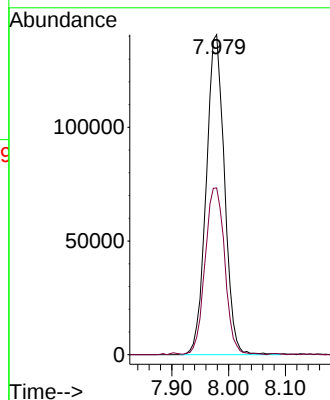
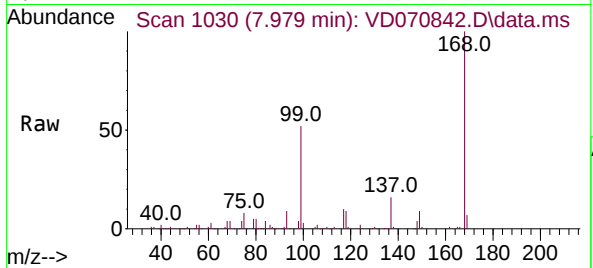




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD070842.D
Acq: 26 Oct 2021 16:06

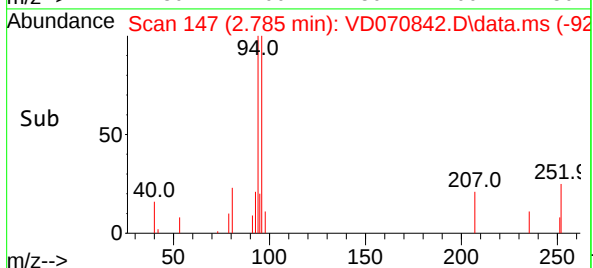
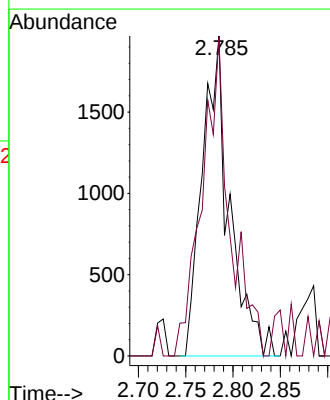
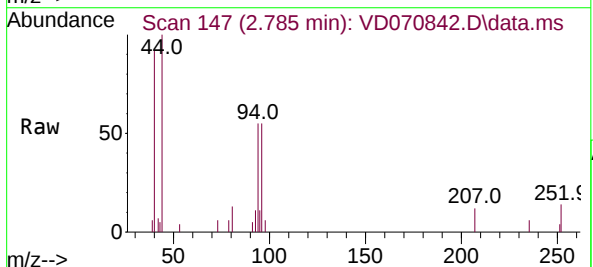
Instrument :
MSVOA_D
ClientSampleId :

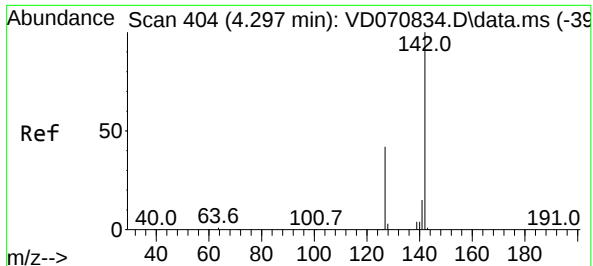
Tgt Ion:168 Resp: 313250
Ion Ratio Lower Upper
168 100
99 51.9 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070842.D
Acq: 26 Oct 2021 16:06

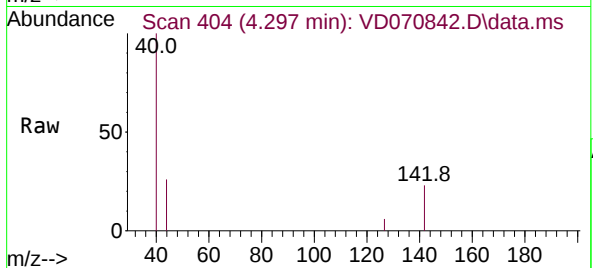
Tgt Ion: 94 Resp: 3924
Ion Ratio Lower Upper
94 100
96 89.3 74.8 112.2



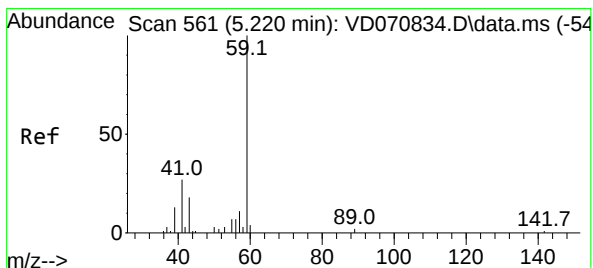
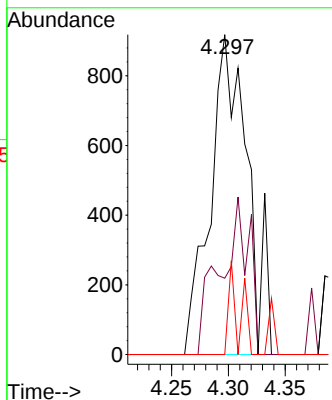
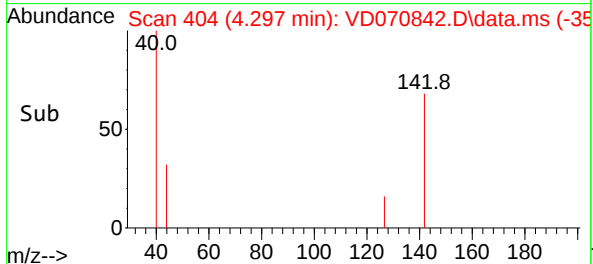


#10
Methyl Iodide
Concen: 4.122 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070842.D
Acq: 26 Oct 2021 16:06

Instrument :
MSVOA_D
ClientSampleId :

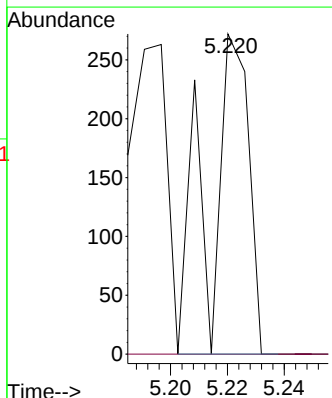
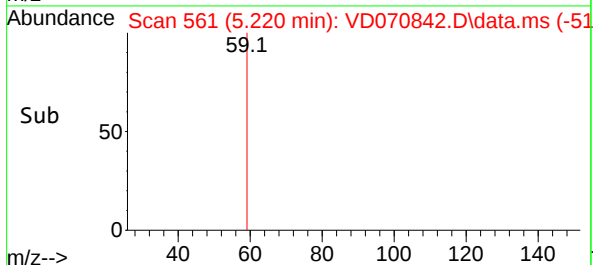
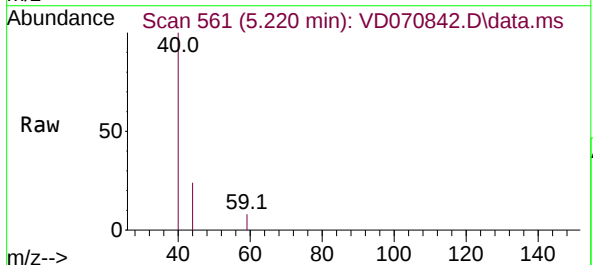


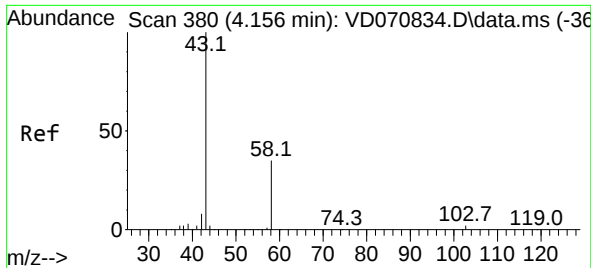
Tgt Ion:142 Resp: 2096
Ion Ratio Lower Upper
142 100
127 22.4 35.0 52.4#
141 8.2 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.571 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.000 min
Lab File: VD070842.D
Acq: 26 Oct 2021 16:06

Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

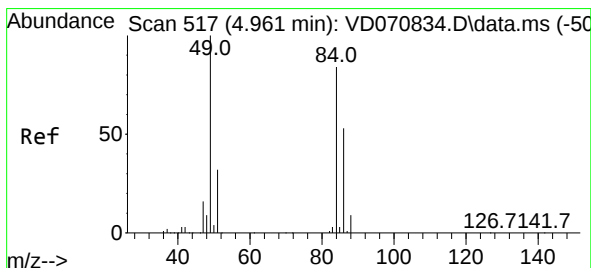
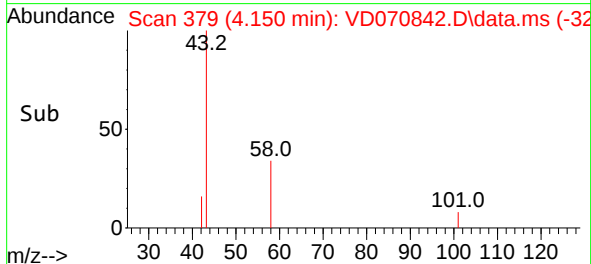
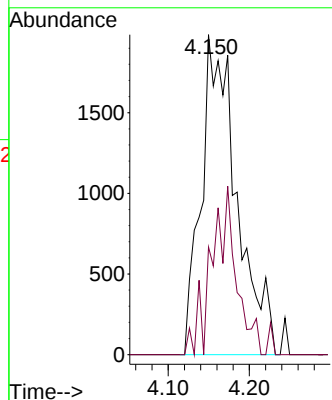
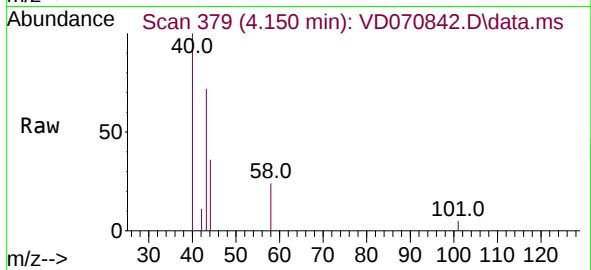




#16
Acetone
Concen: 8.209 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD070842.D
Acq: 26 Oct 2021 16:06

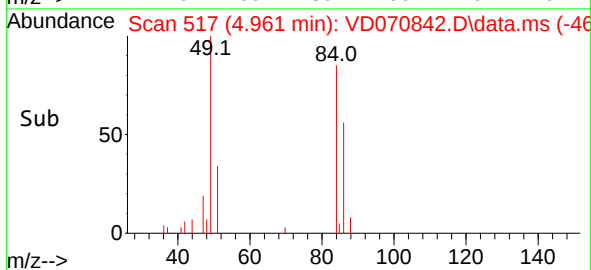
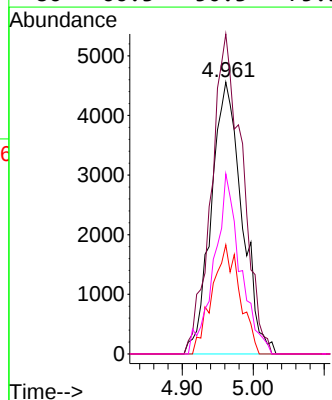
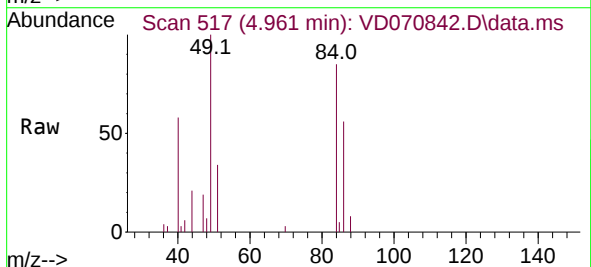
Instrument :
MSVOA_D
ClientSampleId :

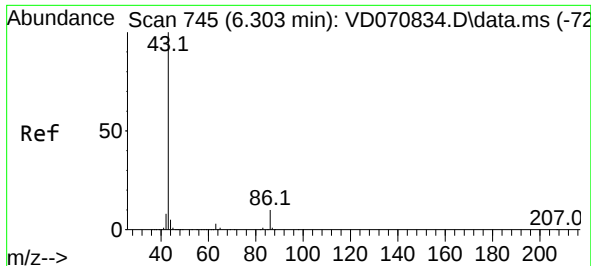
Tgt Ion: 43 Resp: 6017
Ion Ratio Lower Upper
43 100
58 33.6 27.8 41.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD070842.D
Acq: 26 Oct 2021 16:06

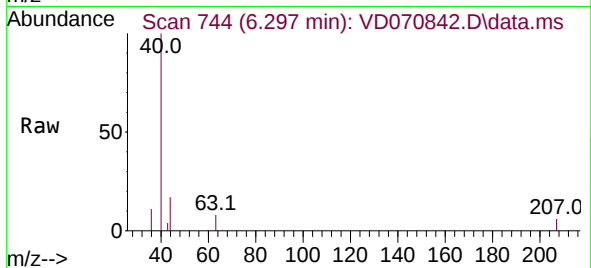
Tgt Ion: 84 Resp: 13693
Ion Ratio Lower Upper
84 100
49 117.7 95.8 143.6
51 40.1 30.9 46.3
86 66.3 50.3 75.5



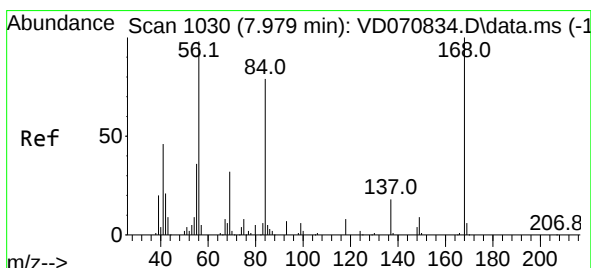
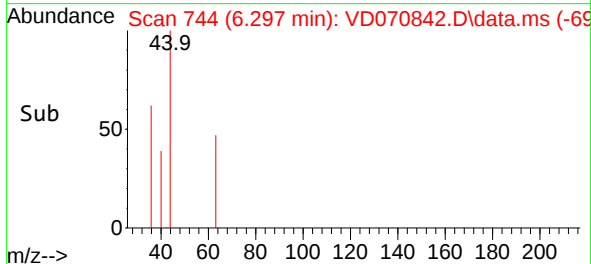
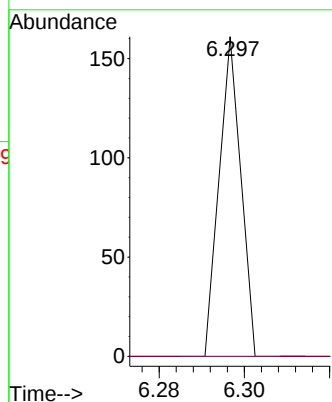


#23
 Vinyl Acetate
 Concen: 14.425 ug/l
 RT: 6.297 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VD070842.D
 Acq: 26 Oct 2021 16:06

Instrument :
 MSVOA_D
 ClientSampleId :

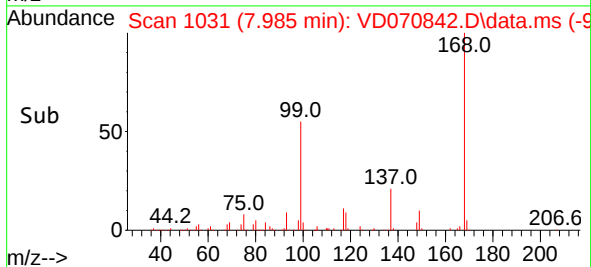
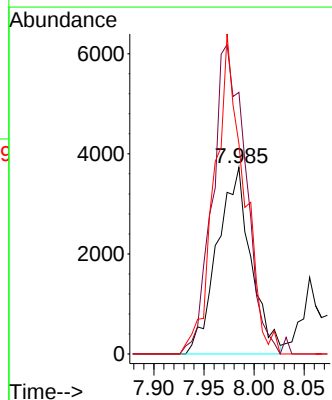
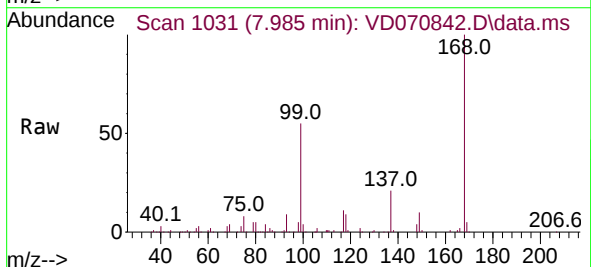


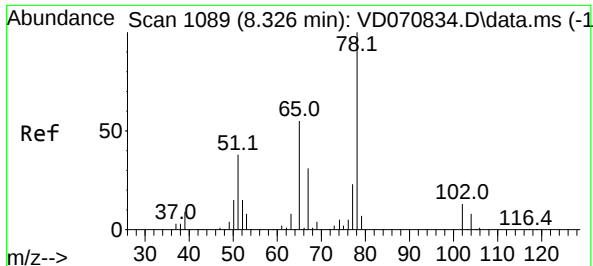
Tgt Ion: 43 Resp: 57
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#31
 Cyclohexane
 Concen: 1.359 ug/l
 RT: 7.985 min Scan# 1031
 Delta R.T. 0.006 min
 Lab File: VD070842.D
 Acq: 26 Oct 2021 16:06

Tgt Ion: 56 Resp: 8726
 Ion Ratio Lower Upper
 56 100
 69 140.3 25.9 38.9#
 84 112.8 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 64.064 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070842.D

Acq: 26 Oct 2021 16:06

Instrument :

MSVOA_D

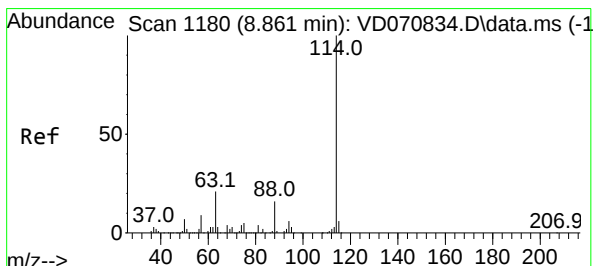
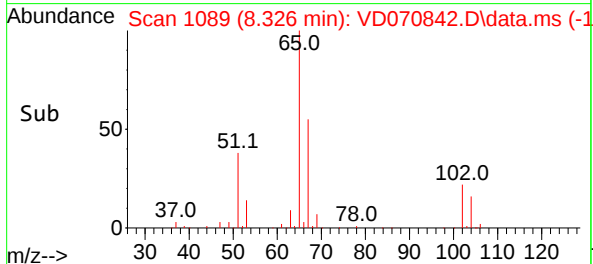
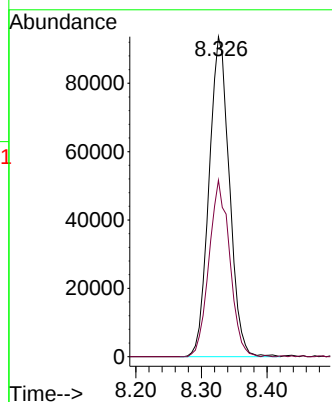
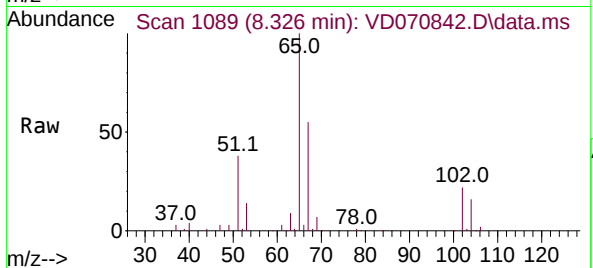
ClientSampleId :

Tgt Ion: 65 Resp: 201835

Ion Ratio Lower Upper

65 100

67 56.0 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: VD070842.D

Acq: 26 Oct 2021 16:06

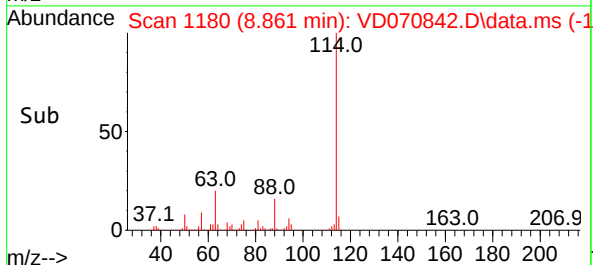
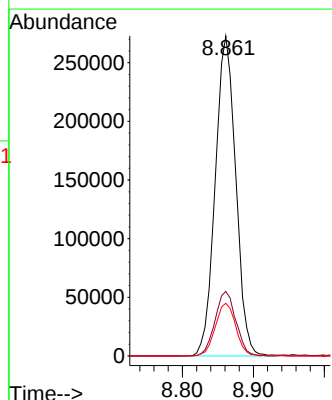
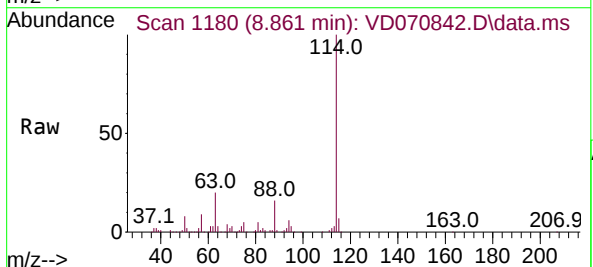
Tgt Ion: 114 Resp: 546366

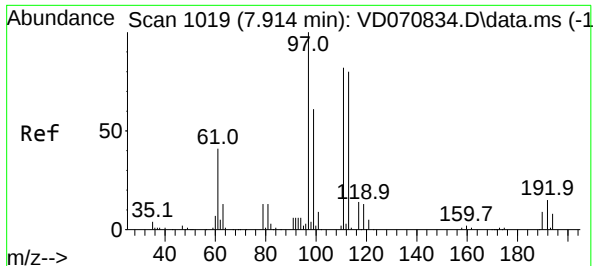
Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 54.349 ug/l

RT: 7.908 min Scan# 113

Delta R.T. -0.006 min

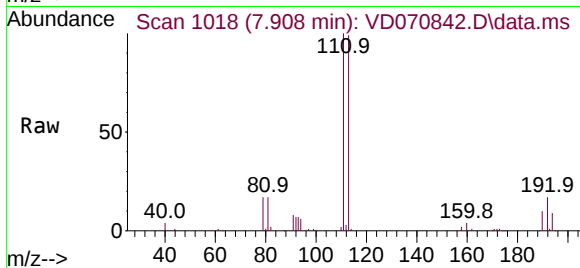
Lab File: VD070842.D

Acq: 26 Oct 2021 16:06

Instrument :

MSVOA_D

ClientSampleId :



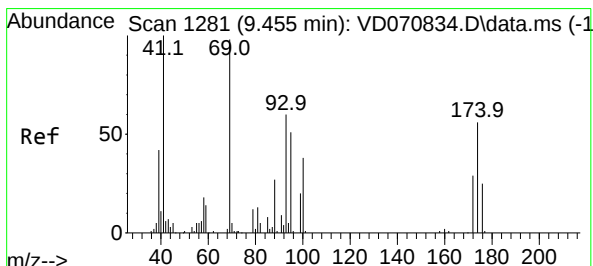
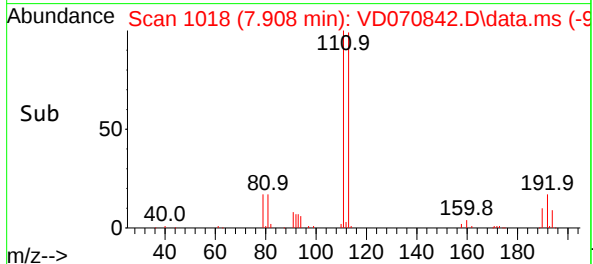
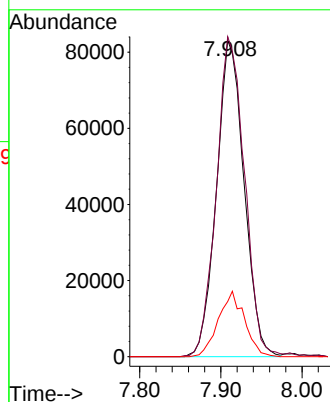
Tgt Ion:113 Resp: 195790

Ion Ratio Lower Upper

113 100

111 103.8 82.0 123.0

192 19.7 15.2 22.8



#49

1,4-Dioxane

Concen: 2.342 ug/l

RT: 9.549 min Scan# 1297

Delta R.T. 0.094 min

Lab File: VD070842.D

Acq: 26 Oct 2021 16:06

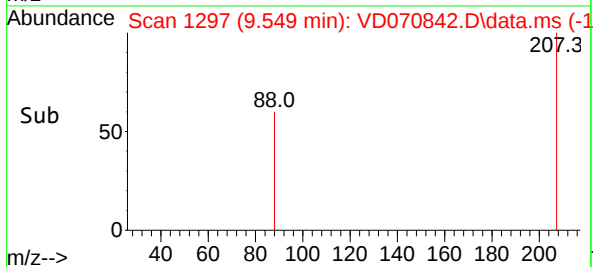
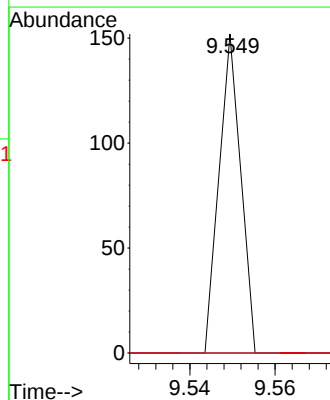
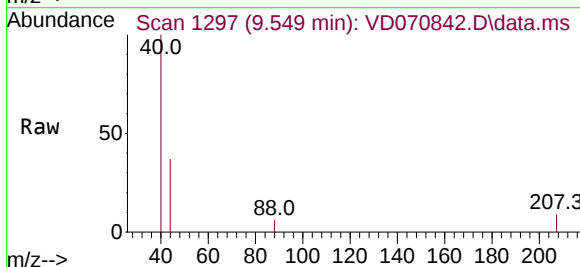
Tgt Ion: 88 Resp: 54

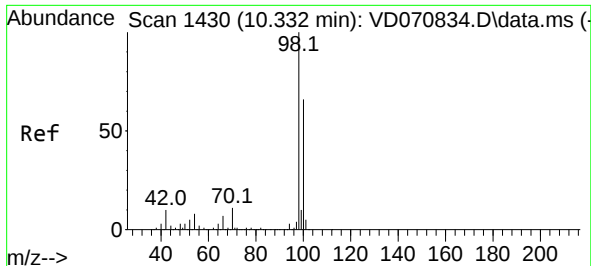
Ion Ratio Lower Upper

88 100

43 0.0 28.9 43.3#

58 0.0 56.3 84.5#

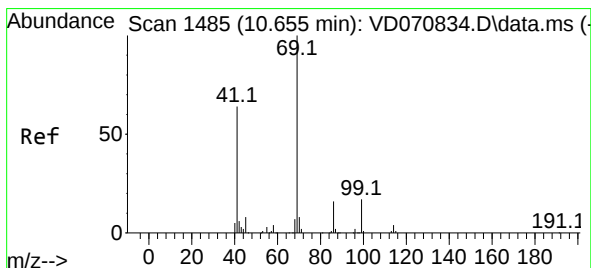
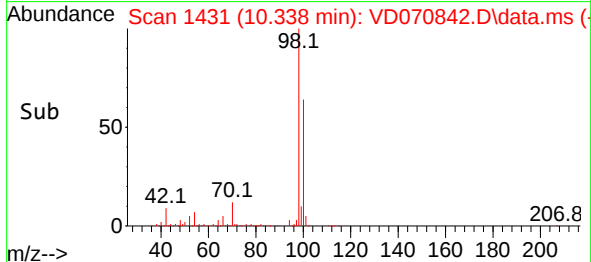
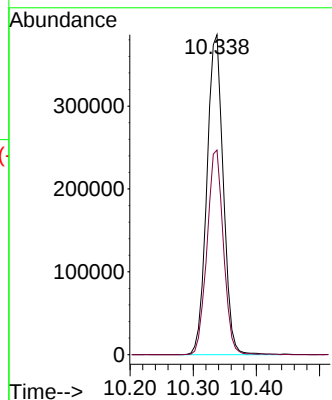
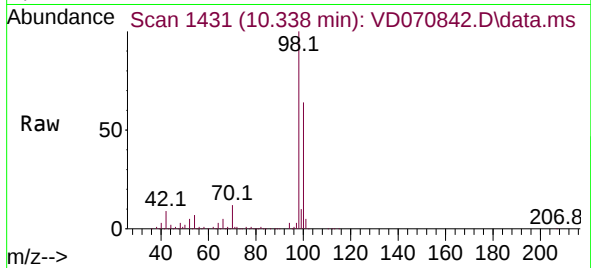




#50
Toluene-d8
Concen: 51.377 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD070842.D
Acq: 26 Oct 2021 16:06

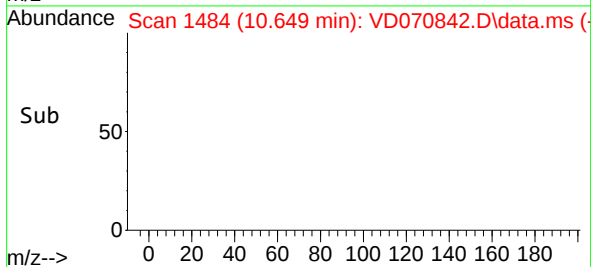
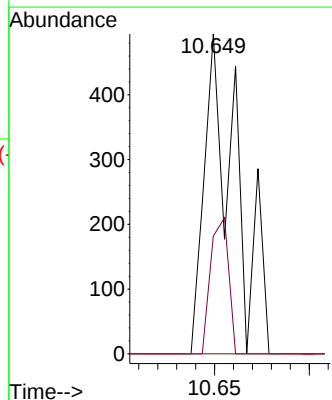
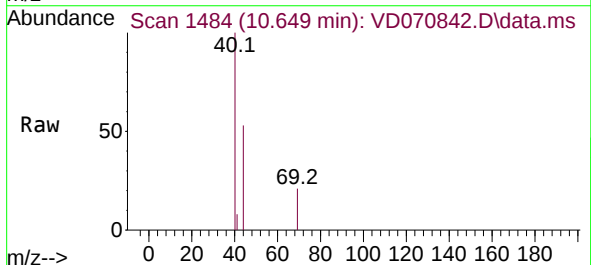
Instrument :
MSVOA_D
ClientSampleId :

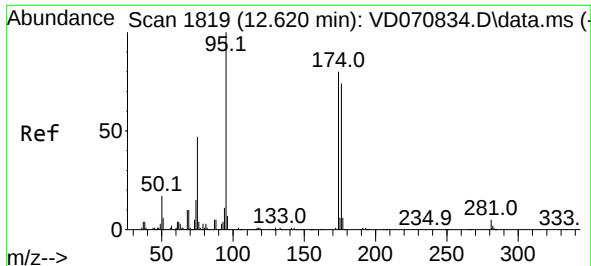
Tgt Ion: 98 Resp: 696322
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.6



#56
Ethyl methacrylate
Concen: 2.986 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD070842.D
Acq: 26 Oct 2021 16:06

Tgt Ion: 69 Resp: 576
Ion Ratio Lower Upper
69 100
41 24.0 50.2 75.2#
39 0.0 19.8 29.8#

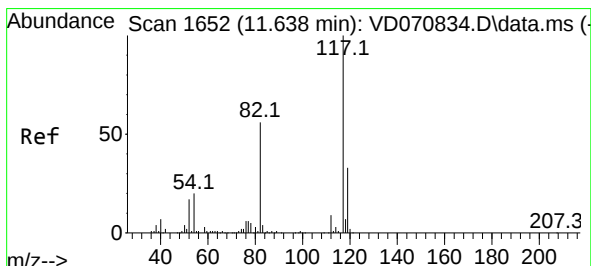
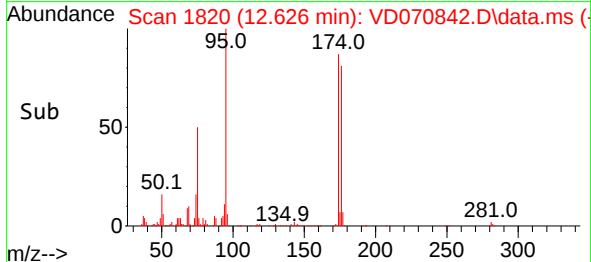
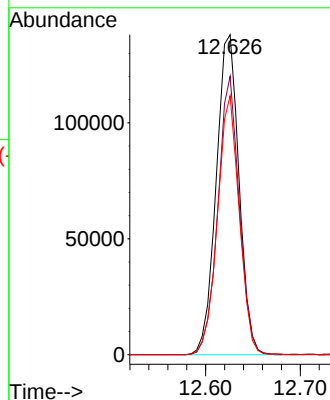
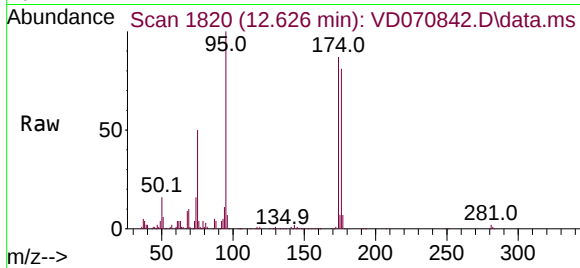




#62
4-Bromofluorobenzene
Concen: 51.540 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD070842.D
Acq: 26 Oct 2021 16:06

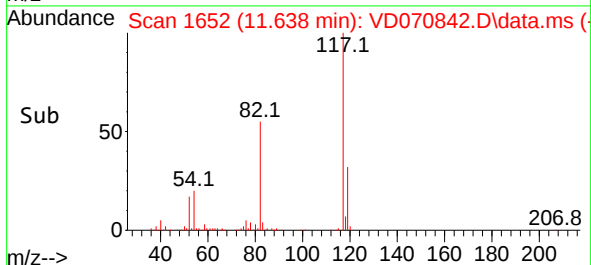
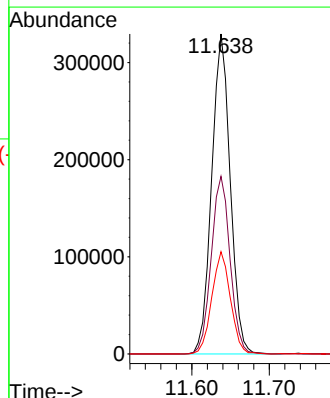
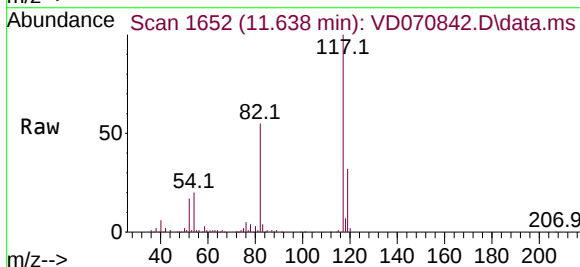
Instrument :
MSVOA_D
ClientSampleId :

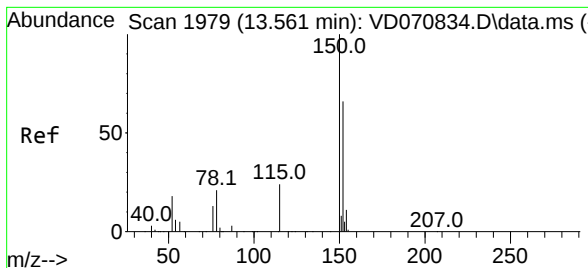
Tgt Ion: 95 Resp: 230476
Ion Ratio Lower Upper
95 100
174 81.7 0.0 159.4
176 77.4 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070842.D
Acq: 26 Oct 2021 16:06

Tgt Ion: 117 Resp: 547036
Ion Ratio Lower Upper
117 100
82 55.5 44.7 67.1
119 31.9 26.2 39.4

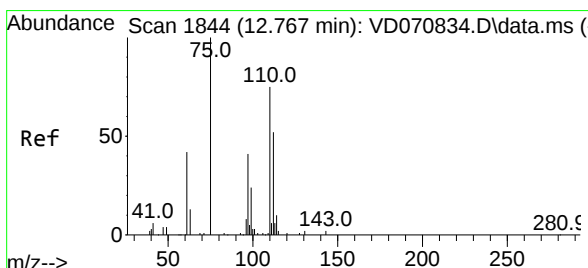
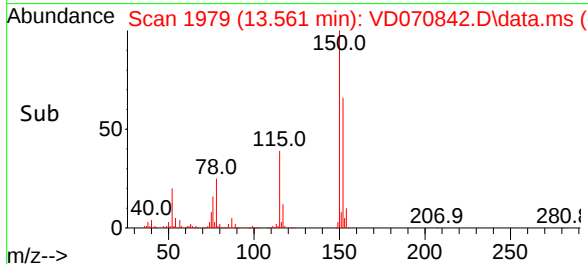
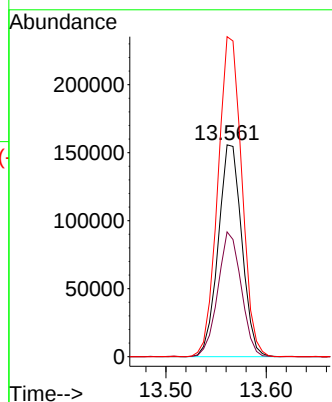
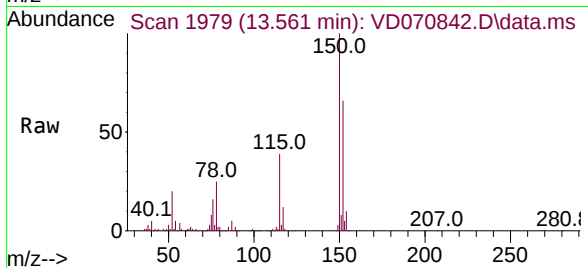




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070842.D
 Acq: 26 Oct 2021 16:06

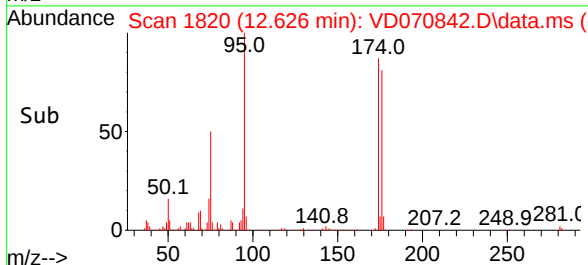
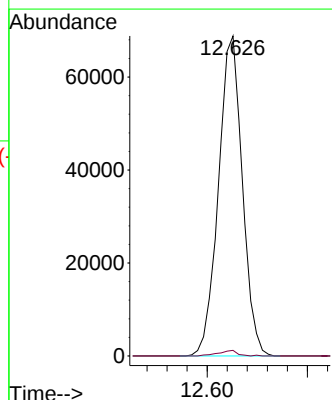
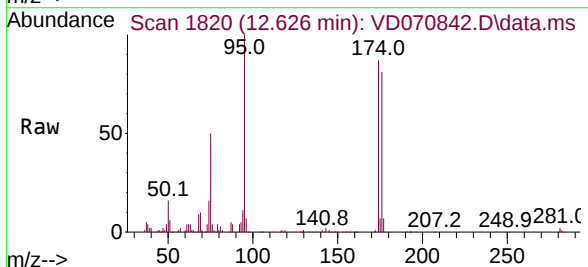
Instrument :
 MSVOA_D
 ClientSampleId :

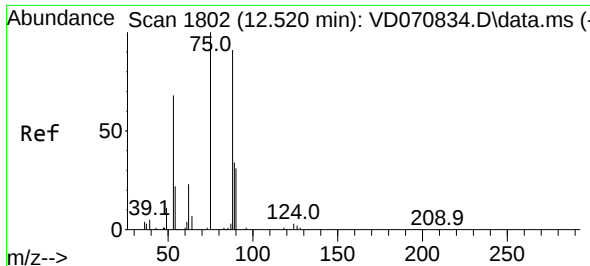
Tgt Ion:152 Resp: 254264
 Ion Ratio Lower Upper
 152 100
 115 58.3 29.8 89.3
 150 153.3 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 45.328 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.141 min
 Lab File: VD070842.D
 Acq: 26 Oct 2021 16:06

Tgt Ion: 75 Resp: 113457
 Ion Ratio Lower Upper
 75 100
 77 1.4 158.4 475.3#

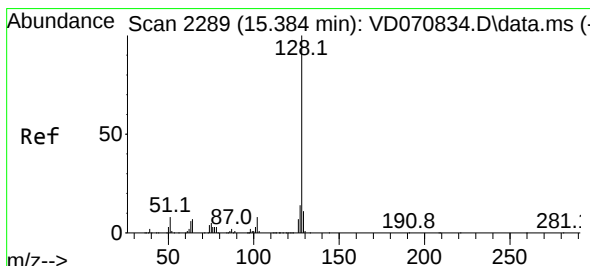
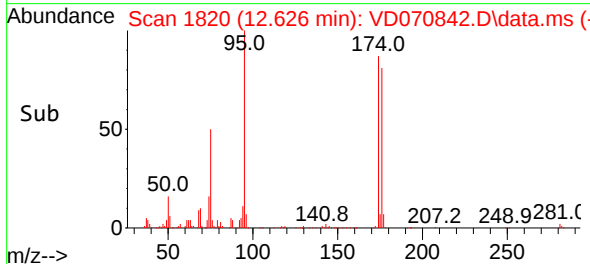
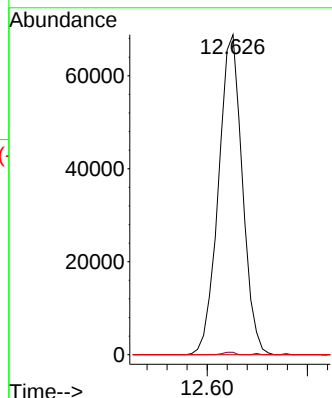
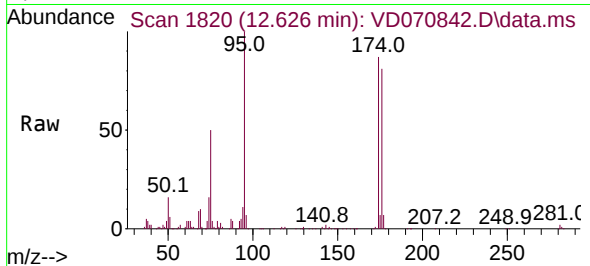




#81
trans-1,4-Dichloro-2-butene
Concen: 118.971 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD070842.D
Acq: 26 Oct 2021 16:06

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 113457
Ion Ratio Lower Upper
75 100
53 0.4 62.6 94.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.593 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD070842.D
Acq: 26 Oct 2021 16:06

Tgt Ion: 128 Resp: 4083
Ion Ratio Lower Upper
128 100
127 13.8 10.7 16.1
129 2.7 8.7 13.1#

