

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110321\
 Data File : VD070913.D
 Acq On : 03 Nov 2021 16:32
 Operator : VA/SY
 Sample : M4475-03
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB02A

Quant Time: Nov 03 22:11:35 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)

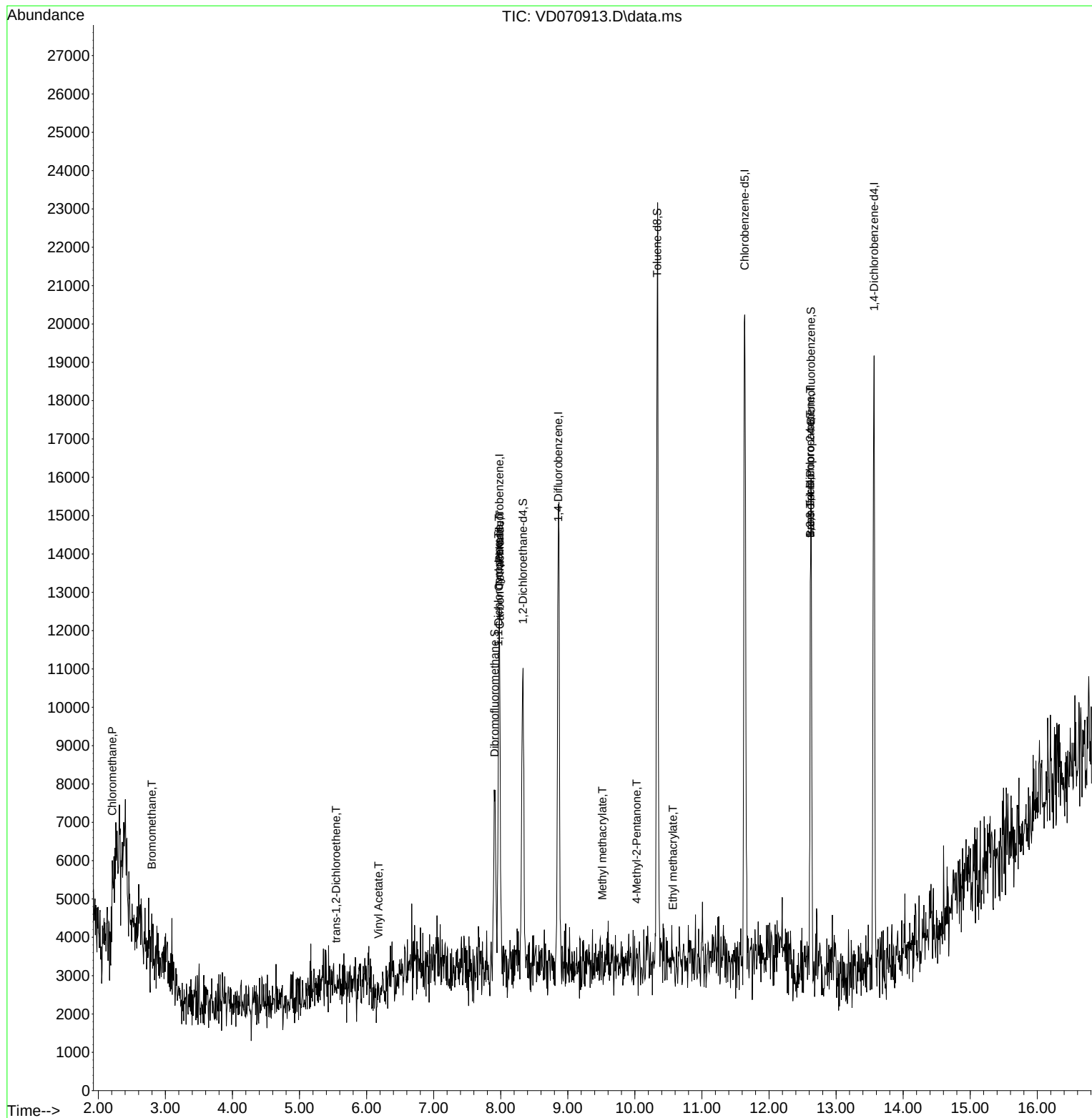
Internal Standards						
1) Pentafluorobenzene	7.979	168	6923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	12251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	12240	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	4923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	6708	96.340	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 192.680%#	
35) Dibromofluoromethane	7.909	113	4274	52.911	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.820%	
50) Toluene-d8	10.332	98	14515	47.763	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.520%	
62) 4-Bromofluorobenzene	12.626	95	4456	44.440	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.880%	
Target Compounds						Qvalue
3) Chloromethane	2.209	50	100	1.100	ug/l	# 54
5) Bromomethane	2.797	94	473	3.818	ug/l	# 73
20) Methylene Chloride	4.962	84	240	Below Cal	#	7
21) trans-1,2-Dichloroethene	5.544	96	92	1.111	ug/l	# 1
23) Vinyl Acetate	6.179	43	79	15.064	ug/l	# 72
31) Cyclohexane	7.973	56	165	1.163	ug/l	# 73
36) 1,1-Dichloropropene	7.967	75	753	5.875	ug/l	# 41
38) Carbon Tetrachloride	7.985	117	411	3.189	ug/l	# 12
48) Methyl methacrylate	9.514	41	64	1.512	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.026	43	105	2.260	ug/l	# 34
56) Ethyl methacrylate	10.567	69	57	3.480	ug/l	# 28
71) Bromoform	12.614	173	59	1.198	ug/l	# 1
76) 1,2,3-Trichloropropane	12.614	75	2273	46.902	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.614	75	2273	123.101	ug/l	# 18

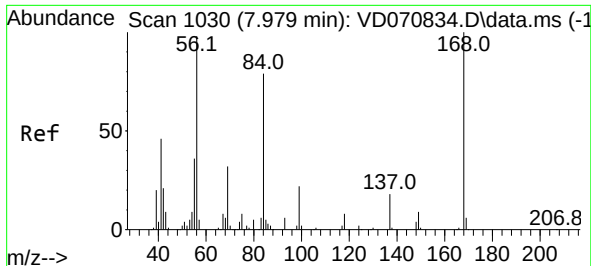
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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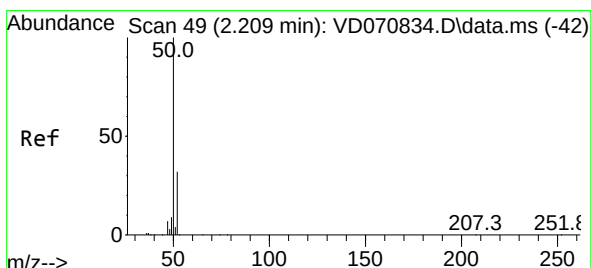
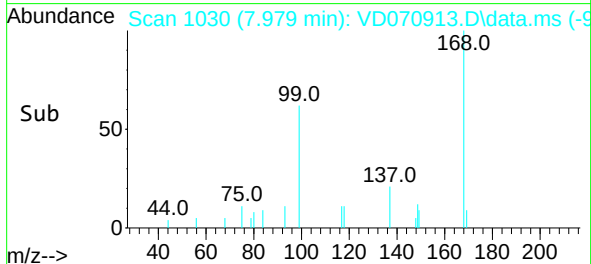
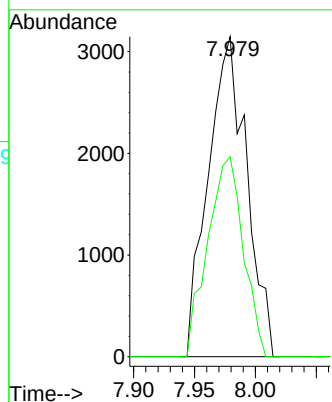
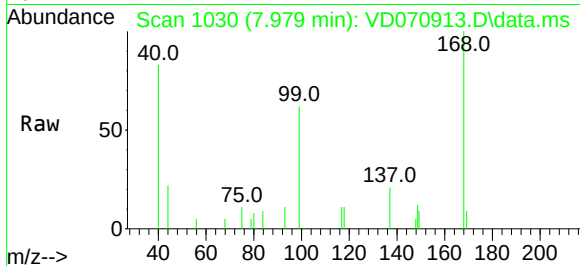




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

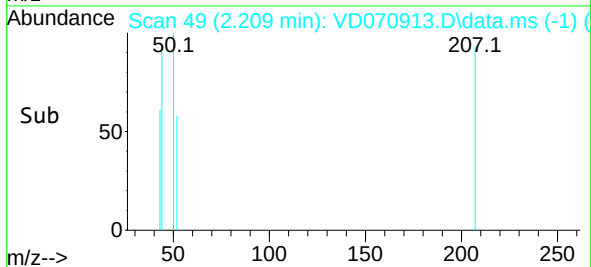
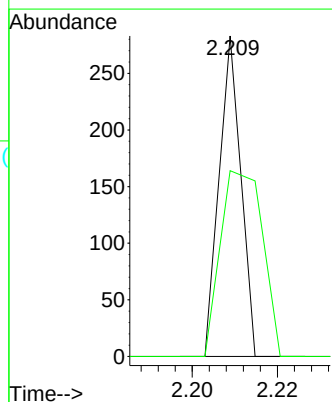
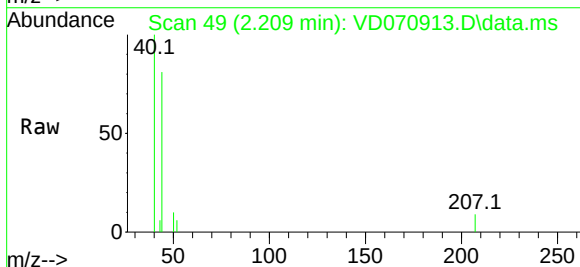
Instrument :
MSVOA_D
ClientSampleId :
SB02A

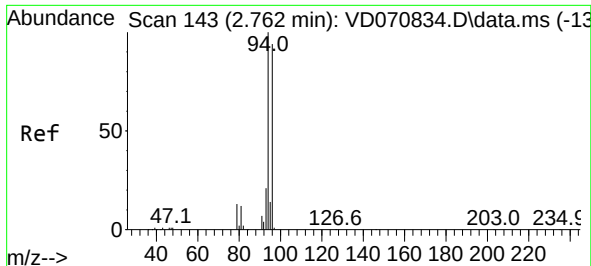
Tgt Ion:168 Resp: 6923
Ion Ratio Lower Upper
168 100
99 62.5 46.6 69.8



#3
Chloromethane
Concen: 1.100 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

Tgt Ion: 50 Resp: 100
Ion Ratio Lower Upper
50 100
52 58.0 25.8 38.8#

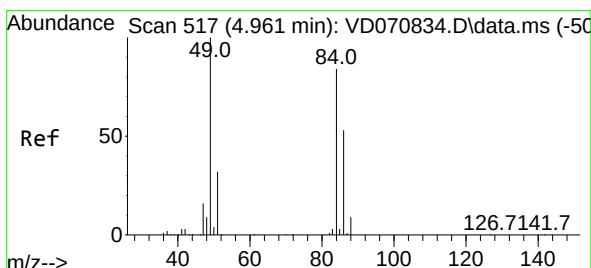
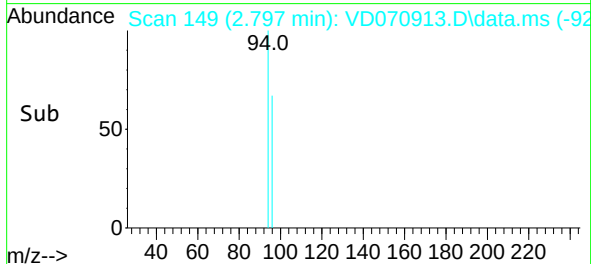
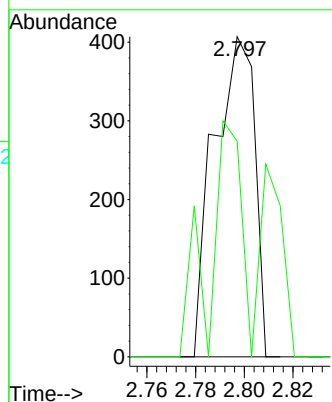
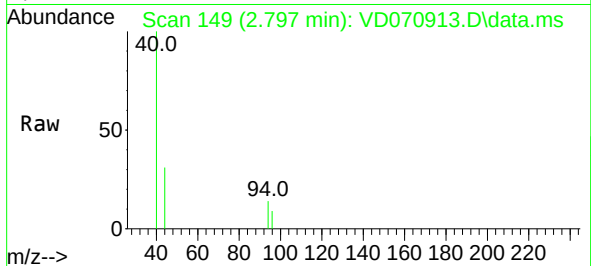




#5
Bromomethane
Concen: 3.818 ug/l
RT: 2.797 min Scan# 143
Delta R.T. 0.035 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

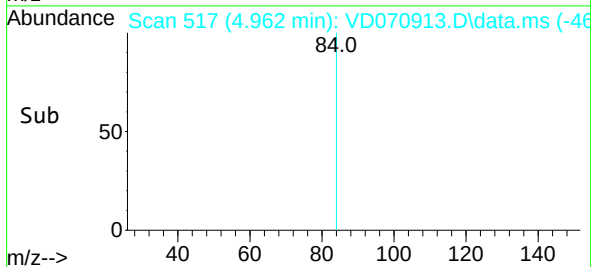
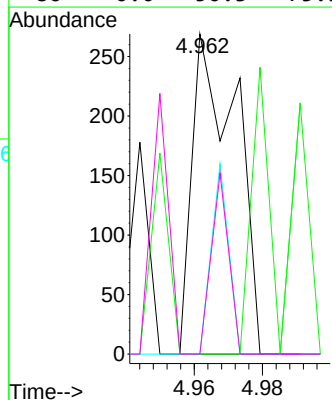
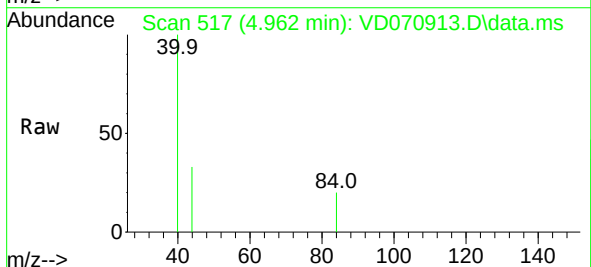
Instrument :
MSVOA_D
ClientSampleId :
SB02A

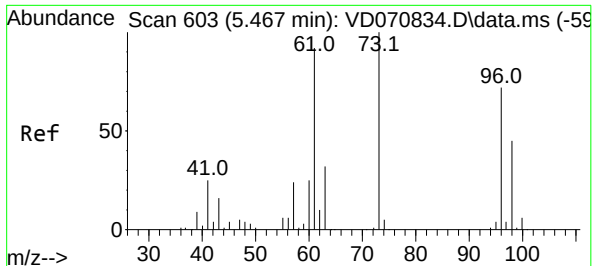
Tgt Ion: 94 Resp: 473
Ion Ratio Lower Upper
94 100
96 67.3 74.8 112.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

Tgt Ion: 84 Resp: 240
Ion Ratio Lower Upper
84 100
49 0.0 95.8 143.6#
51 0.0 30.9 46.3#
86 0.0 50.3 75.5#





#21

trans-1,2-Dichloroethene

Concen: 1.111 ug/l

RT: 5.544 min Scan# 61

Delta R.T. 0.077 min

Lab File: VD070913.D

Acq: 03 Nov 2021 16:32

Instrument :

MSVOA_D

ClientSampleId :

SB02A

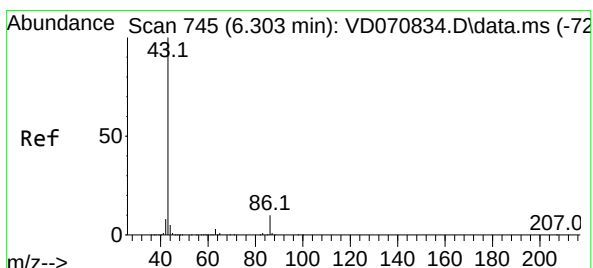
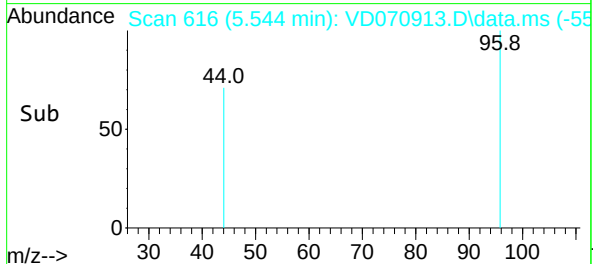
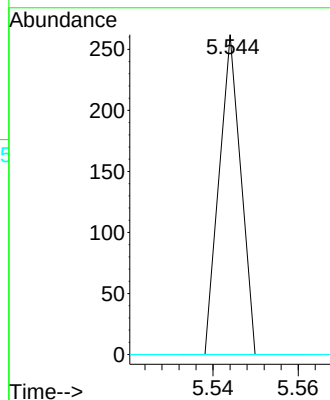
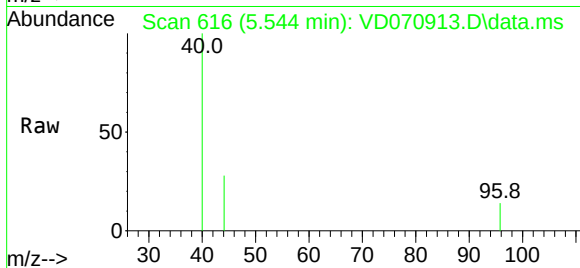
Tgt Ion: 96 Resp: 92

Ion Ratio Lower Upper

96 100

61 0.0 102.1 153.1#

98 0.0 50.1 75.1#



#23

Vinyl Acetate

Concen: 15.064 ug/l

RT: 6.179 min Scan# 724

Delta R.T. -0.124 min

Lab File: VD070913.D

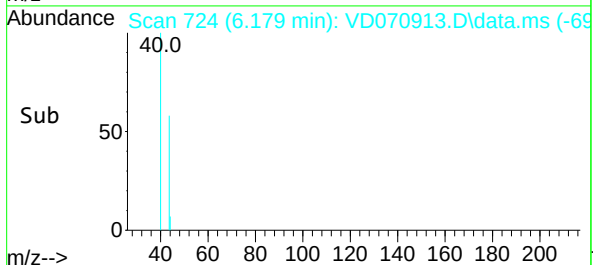
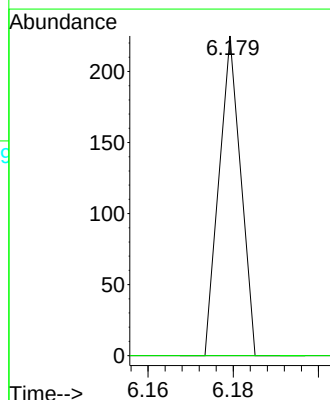
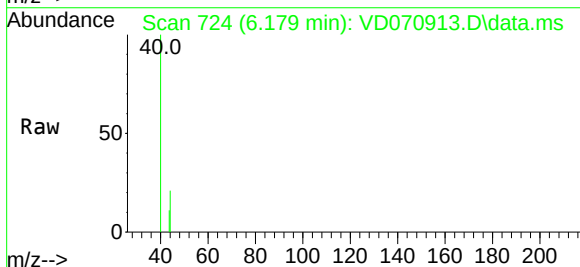
Acq: 03 Nov 2021 16:32

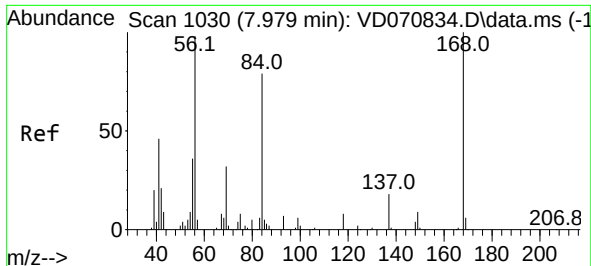
Tgt Ion: 43 Resp: 79

Ion Ratio Lower Upper

43 100

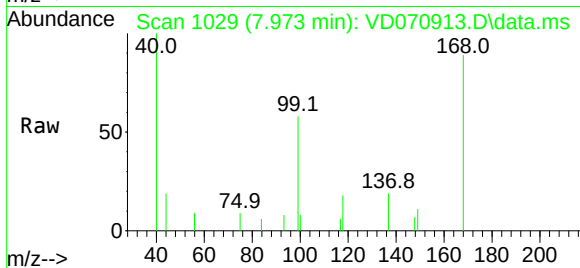
86 0.0 8.2 12.4#



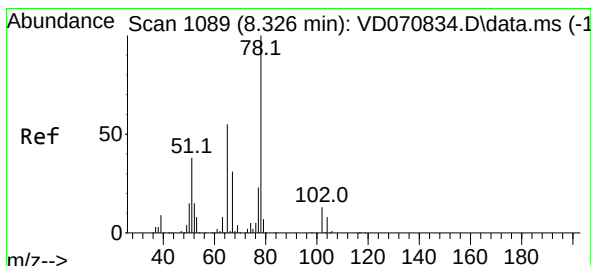
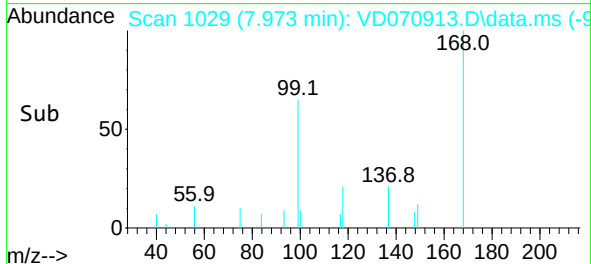
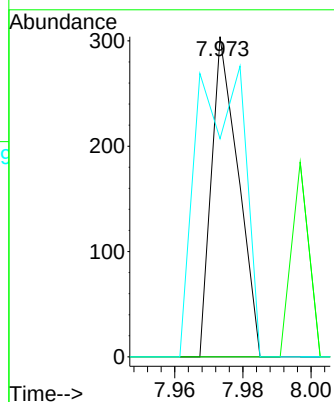


#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

Instrument :
MSVOA_D
ClientSampleId :
SB02A

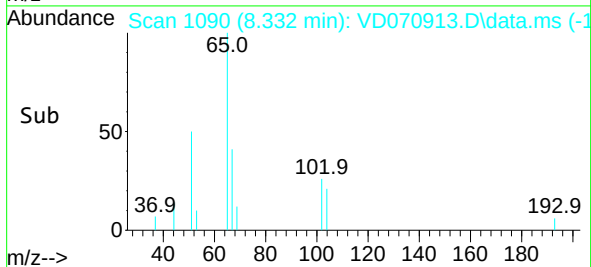
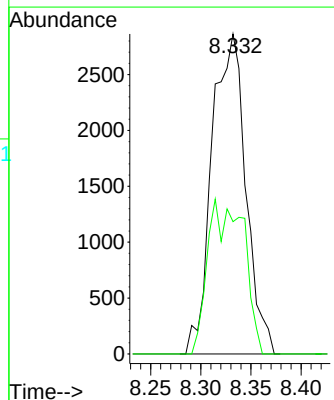
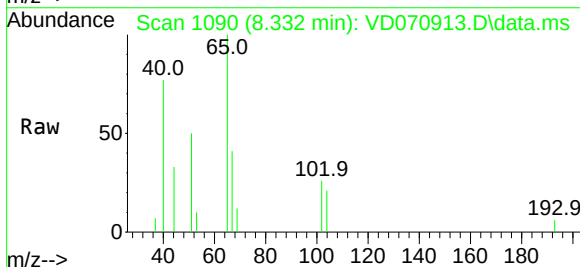


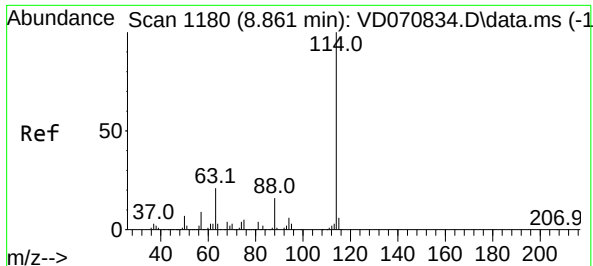
Tgt Ion: 56 Resp: 165
Ion Ratio Lower Upper
56 100
69 0.0 25.9 38.9#
84 68.1 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 96.340 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

Tgt Ion: 65 Resp: 6708
Ion Ratio Lower Upper
65 100
67 22.0 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD070913.D

Acq: 03 Nov 2021 16:32

Instrument :

MSVOA_D

ClientSampleId :

SB02A

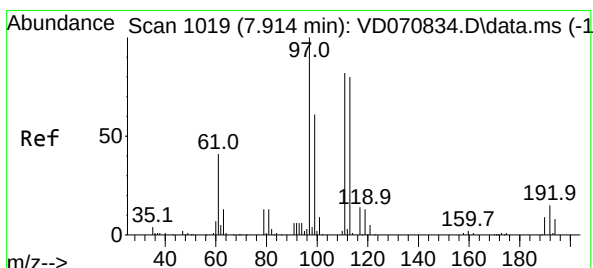
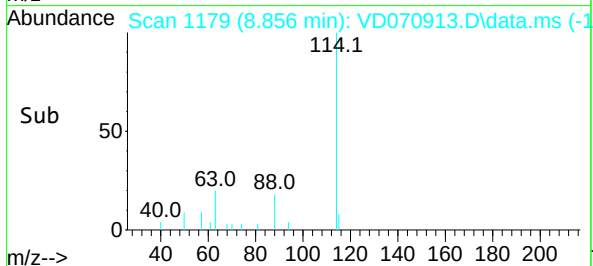
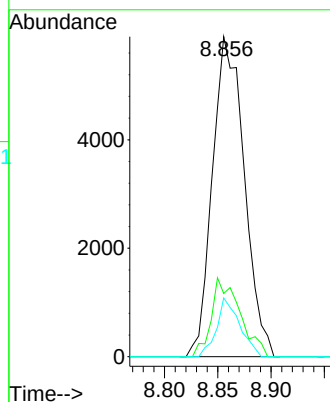
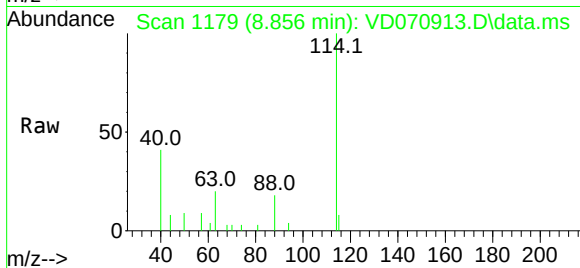
Tgt Ion:114 Resp: 12251

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.8

88 18.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 52.911 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070913.D

Acq: 03 Nov 2021 16:32

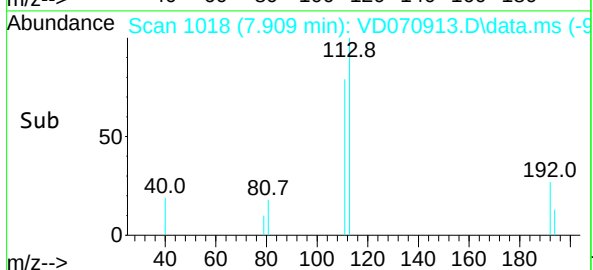
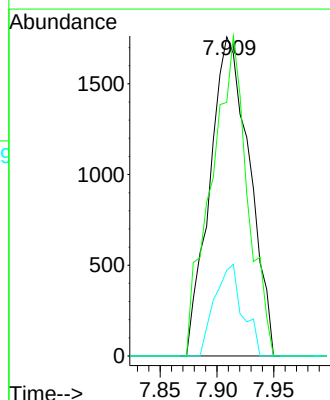
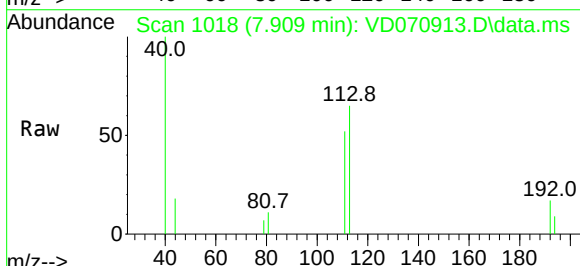
Tgt Ion:113 Resp: 4274

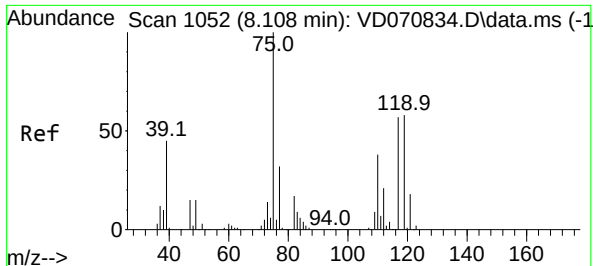
Ion Ratio Lower Upper

113 100

111 91.2 82.0 123.0

192 20.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.875 ug/l

RT: 7.967 min Scan# 1031

Delta R.T. -0.141 min

Lab File: VD070913.D

Acq: 03 Nov 2021 16:32

Instrument :

MSVOA_D

ClientSampleId :

SB02A

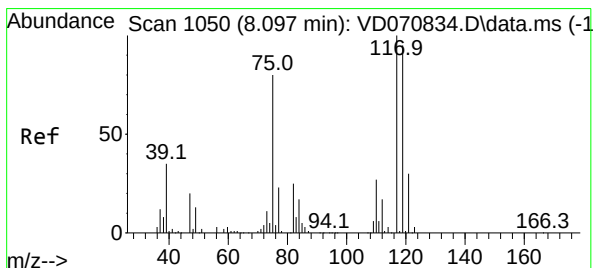
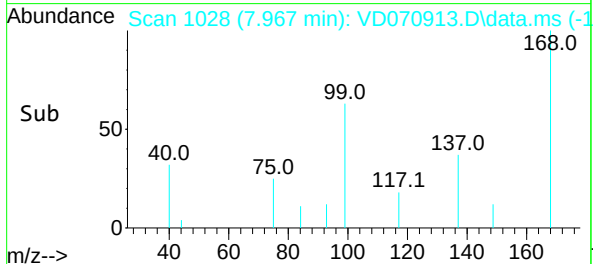
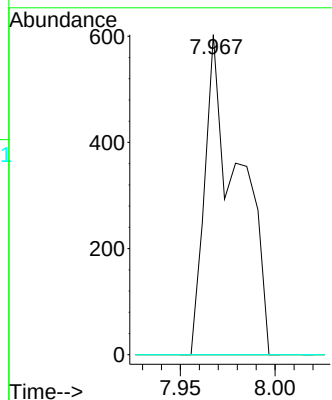
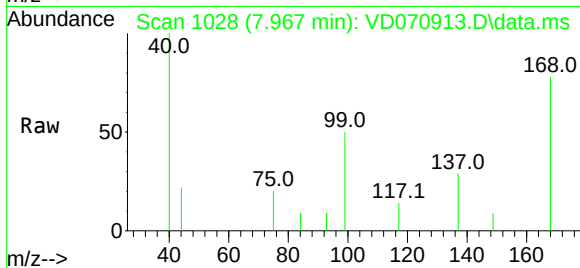
Tgt Ion: 75 Resp: 753

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 3.189 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.112 min

Lab File: VD070913.D

Acq: 03 Nov 2021 16:32

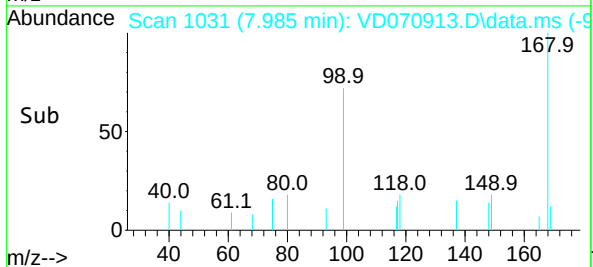
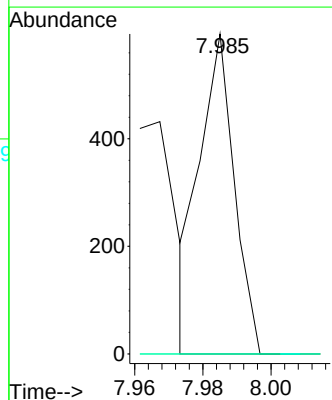
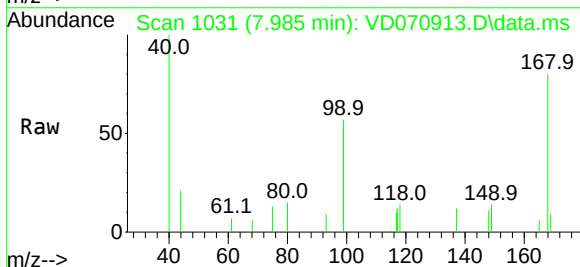
Tgt Ion: 117 Resp: 411

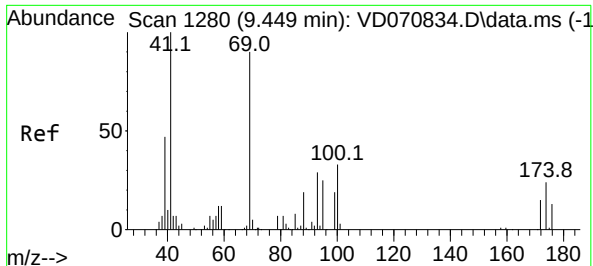
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 23.6 35.4#





#48

Methyl methacrylate

Concen: 1.512 ug/l

RT: 9.514 min Scan# 11

Delta R.T. 0.065 min

Lab File: VD070913.D

Acq: 03 Nov 2021 16:32

Instrument :

MSVOA_D

ClientSampleId :

SB02A

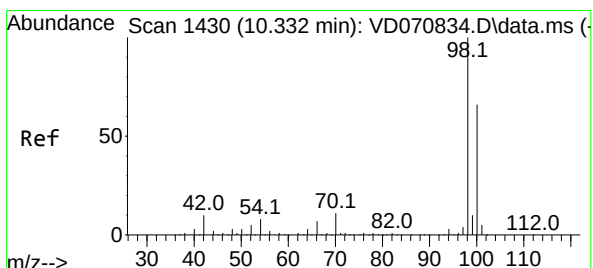
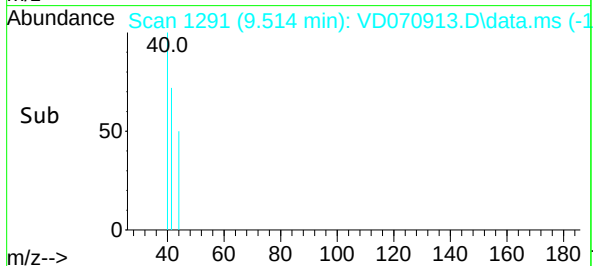
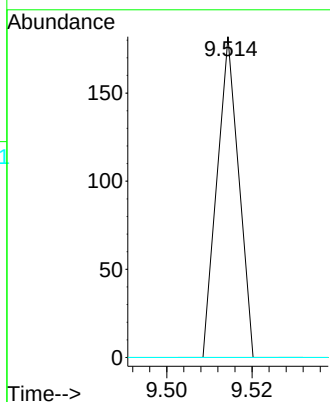
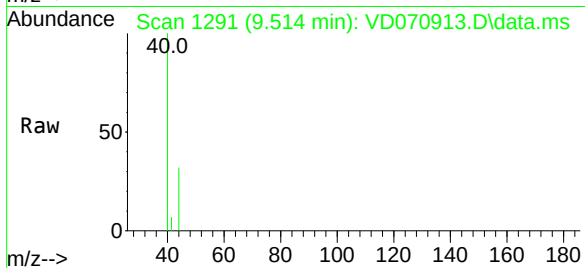
Tgt Ion: 41 Resp: 64

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 0.0 35.6 53.4#



#50

Toluene-d8

Concen: 47.763 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD070913.D

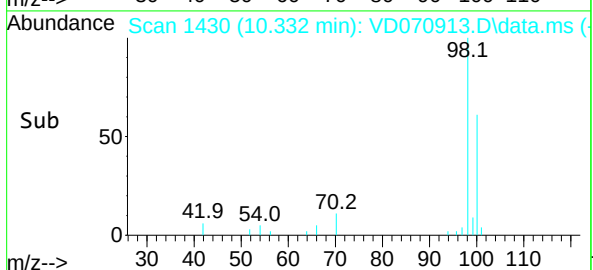
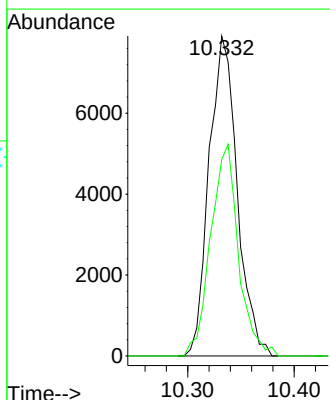
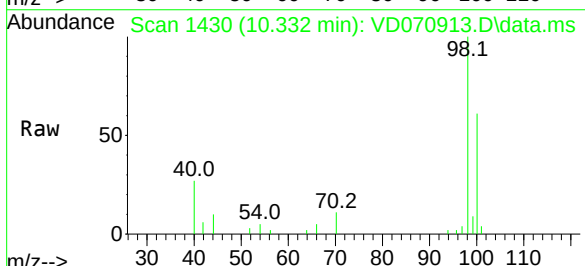
Acq: 03 Nov 2021 16:32

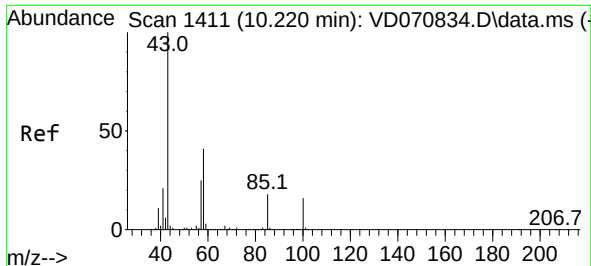
Tgt Ion: 98 Resp: 14515

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.6

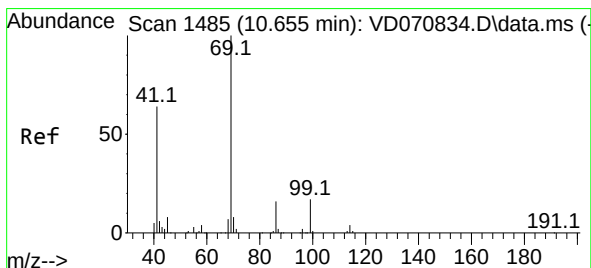
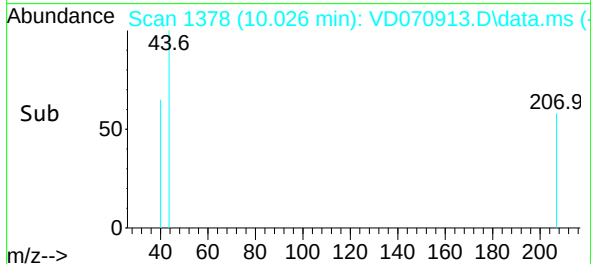
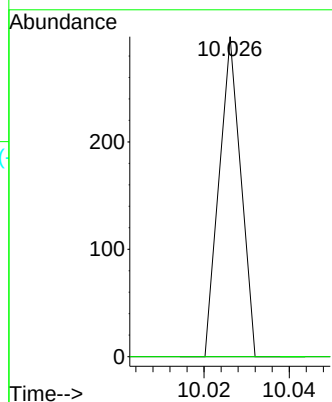
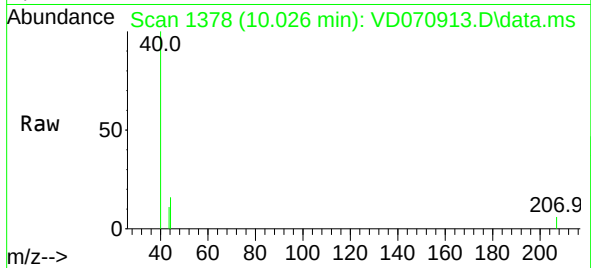




#51
4-Methyl-2-Pentanone
Concen: 2.260 ug/l
RT: 10.026 min Scan# 11
Delta R.T. -0.194 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

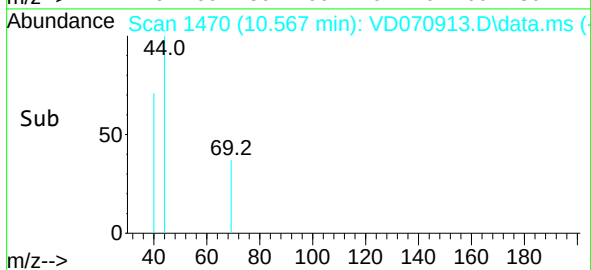
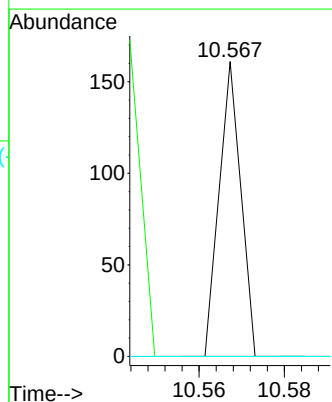
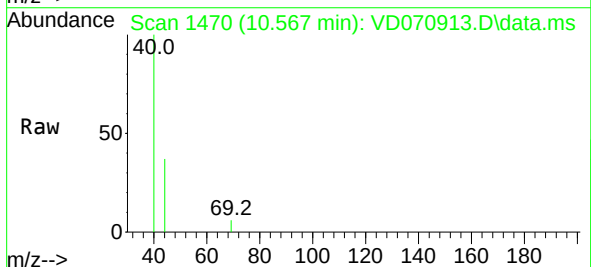
Instrument :
MSVOA_D
ClientSampleId :
SB02A

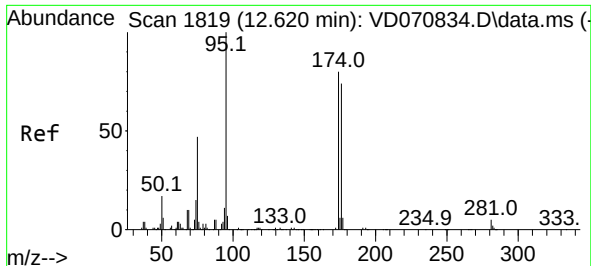
Tgt Ion: 43 Resp: 105
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 3.480 ug/l
RT: 10.567 min Scan# 1470
Delta R.T. -0.088 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

Tgt Ion: 69 Resp: 57
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#

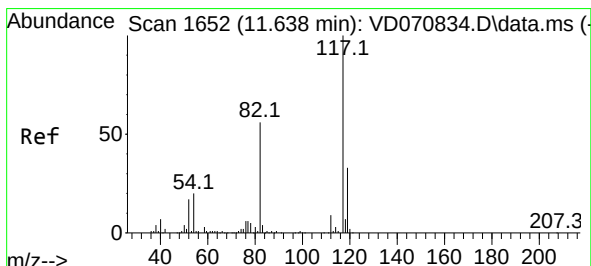
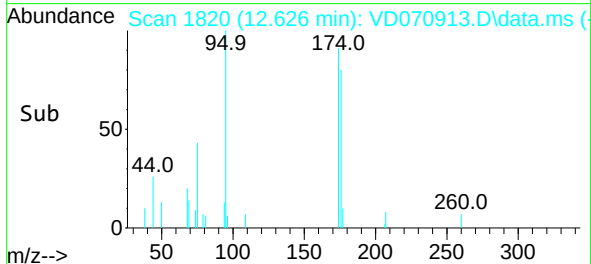
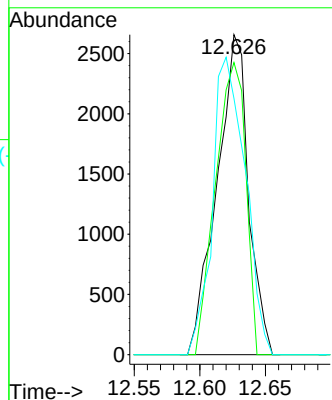
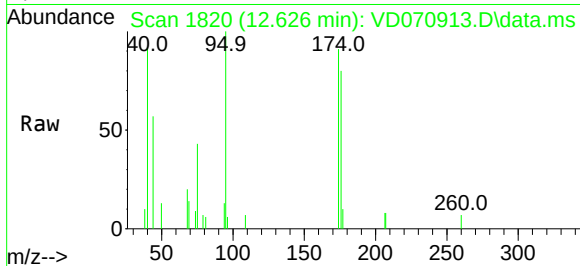




#62
4-Bromofluorobenzene
Concen: 44.440 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

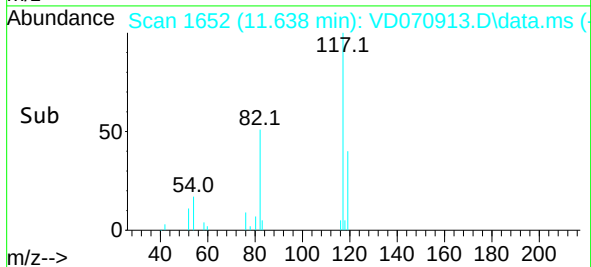
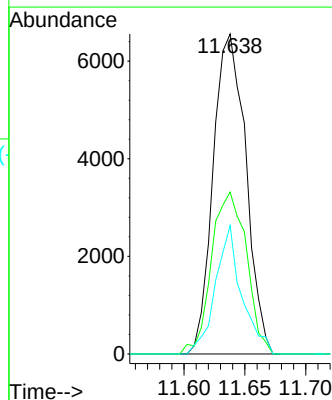
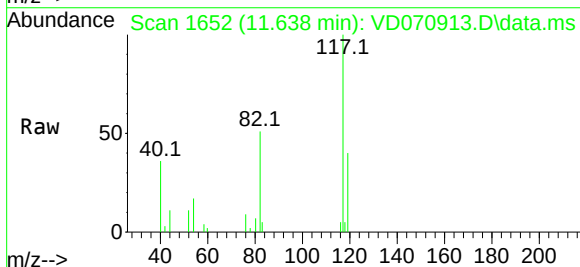
Instrument :
MSVOA_D
ClientSampleId :
SB02A

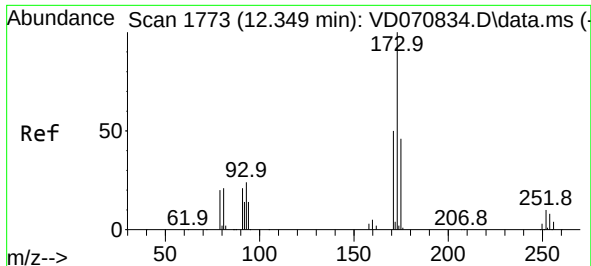
Tgt Ion:	95	Resp:	4456
Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	159.4
176	96.7	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

Tgt Ion:	117	Resp:	12240
Ion	Ratio	Lower	Upper
117	100		
82	50.6	44.7	67.1
119	40.2	26.2	39.4

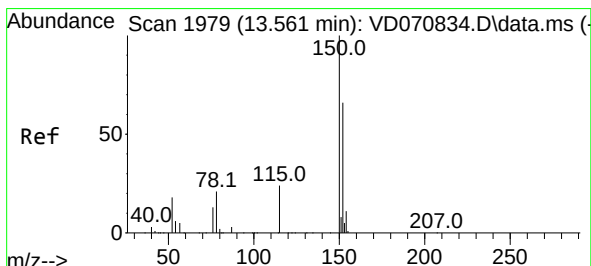
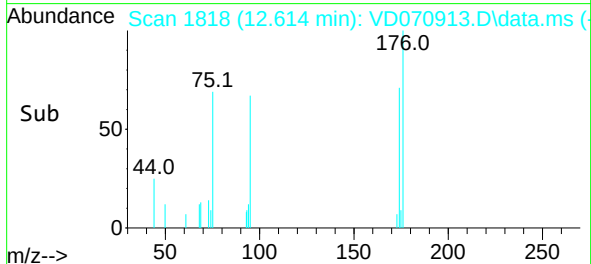
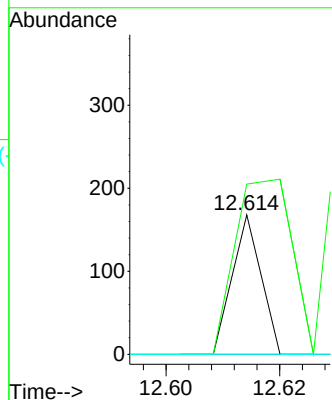
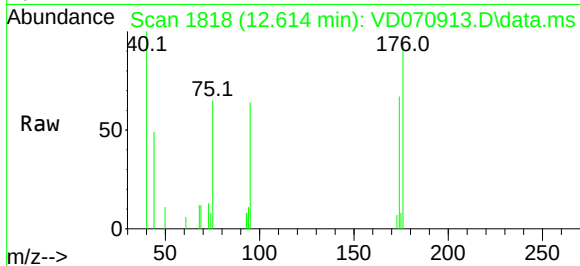




#71
Bromoform
Concen: 1.198 ug/l
RT: 12.614 min Scan# 11
Delta R.T. 0.265 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

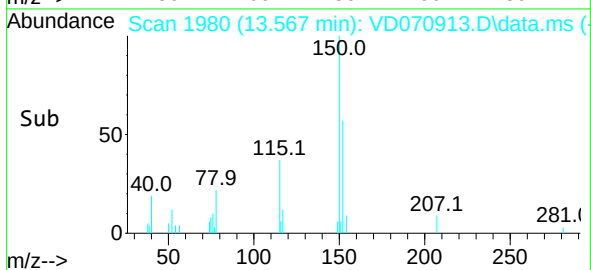
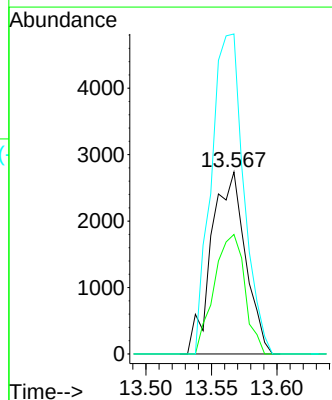
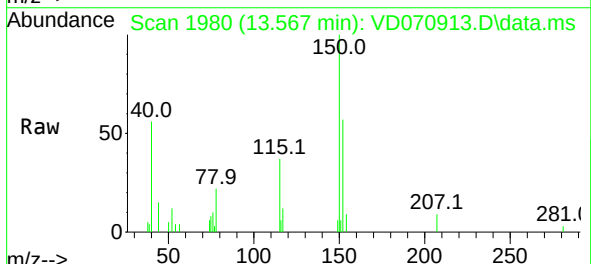
Instrument :
MSVOA_D
ClientSampleId :
SB02A

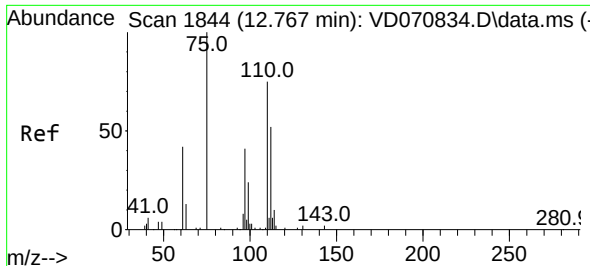
Tgt Ion:173 Resp: 59
Ion Ratio Lower Upper
173 100
175 249.2 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

Tgt Ion:152 Resp: 4923
Ion Ratio Lower Upper
152 100
115 59.3 29.8 89.3
150 168.5 0.0 349.2

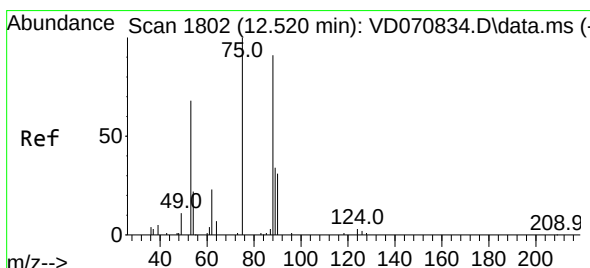
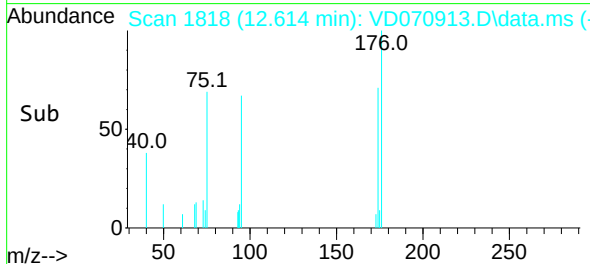
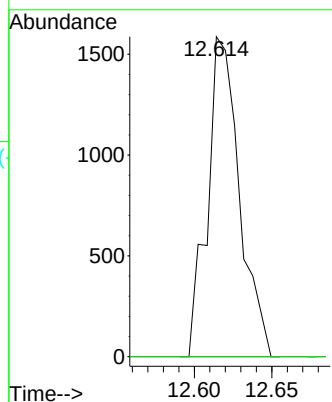
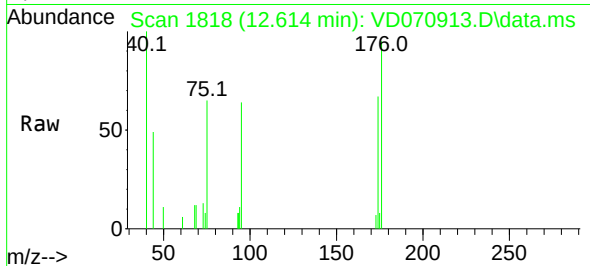




#76
1,2,3-Trichloropropane
Concen: 46.902 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

Instrument :
MSVOA_D
ClientSampleId :
SB02A

Tgt Ion: 75 Resp: 2273
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.101 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.094 min
Lab File: VD070913.D
Acq: 03 Nov 2021 16:32

Tgt Ion: 75 Resp: 2273
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

