

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111021\
 Data File : VD070978.D
 Acq On : 10 Nov 2021 19:28
 Operator : VA/SY
 Sample : M4605-07
 Misc : 10.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 11 06:31:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

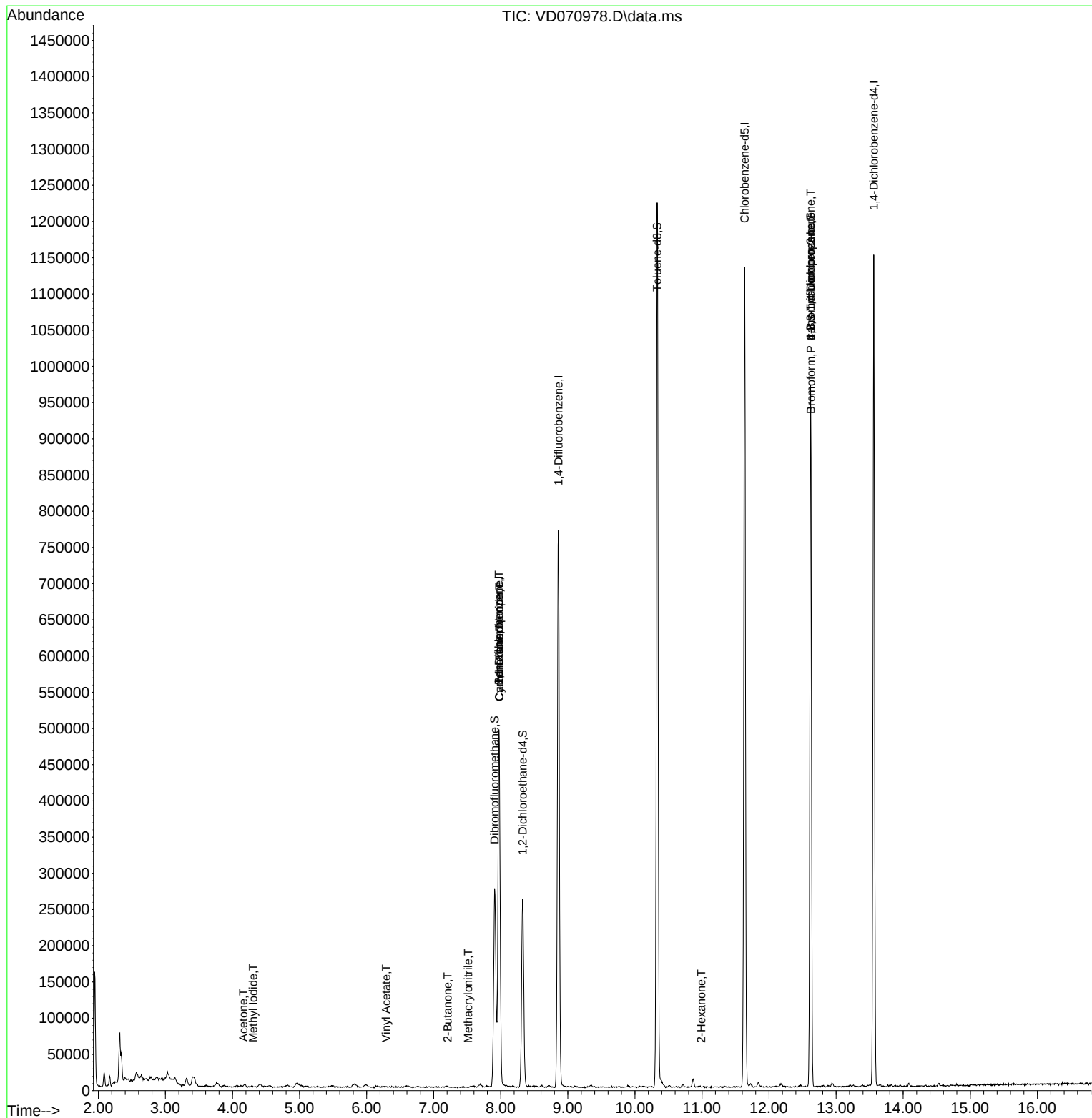
Internal Standards						
1) Pentafluorobenzene	7.973	168	350427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	635373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	622362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	281465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	205815	55.163	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.320%			
35) Dibromofluoromethane	7.908	113	194619	54.283	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.560%			
50) Toluene-d8	10.331	98	817087	58.194	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 116.380%			
62) 4-Bromofluorobenzene	12.620	95	297510	58.848	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 117.700%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.308	142	484	6.127	ug/l #	88
13) Acrolein	3.885	56	57	Below Cal	#	1
16) Acetone	4.161	43	2455	22.040	ug/l #	77
20) Methylene Chloride	4.944	84	1640	Below Cal	#	79
23) Vinyl Acetate	6.291	43	168	21.003	ug/l #	72
25) 2-Butanone	7.208	43	625	20.808	ug/l #	45
31) Cyclohexane	7.979	56	10345	1.348	ug/l #	37
36) 1,1-Dichloropropene	7.973	75	31675	5.584	ug/l #	49
38) Carbon Tetrachloride	7.979	117	36824	7.049	ug/l #	15
41) Methacrylonitrile	7.514	41	64	3.537	ug/l #	12
59) 2-Hexanone	10.990	43	409	16.119	ug/l #	22
71) Bromoform	12.625	173	2642	1.285	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	158525	65.935	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	158525	121.844	ug/l #	18

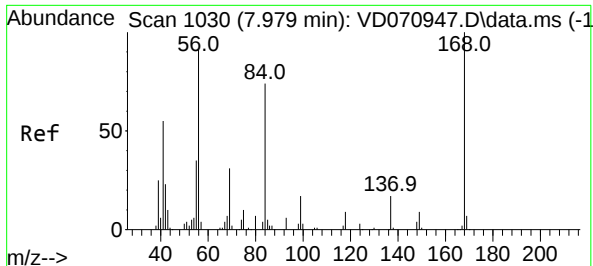
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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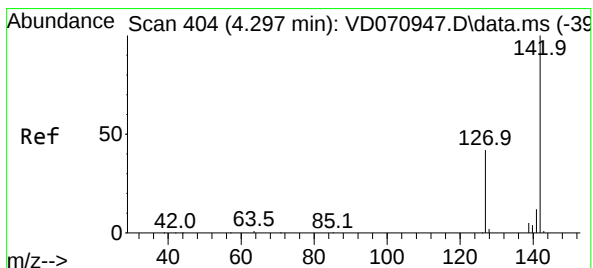
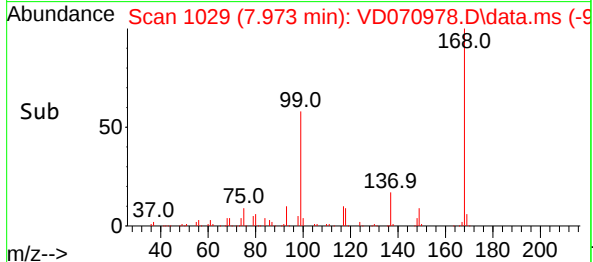
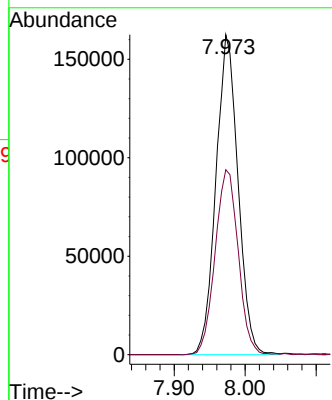
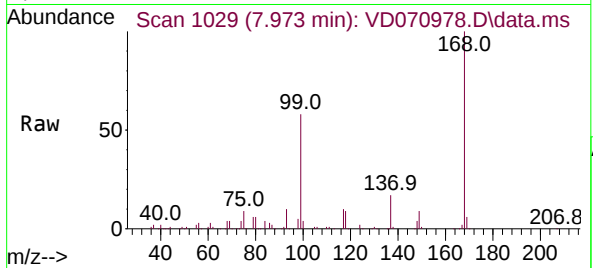




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD070978.D
Acq: 10 Nov 2021 19:28

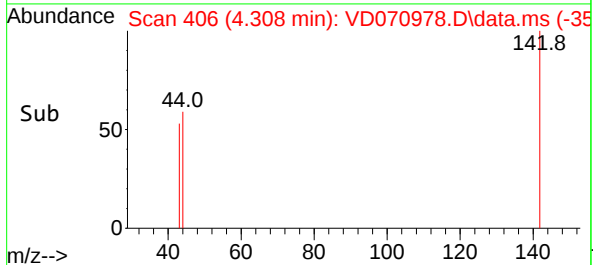
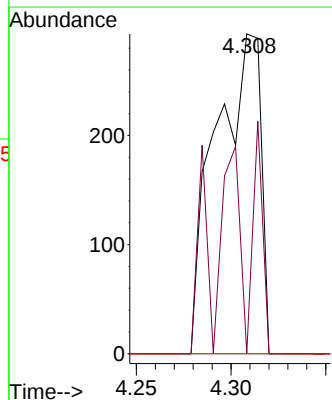
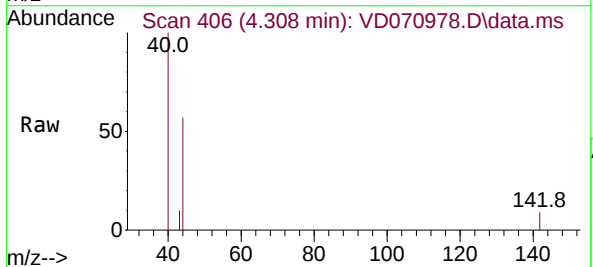
Instrument :
MSVOA_D
ClientSampleId :

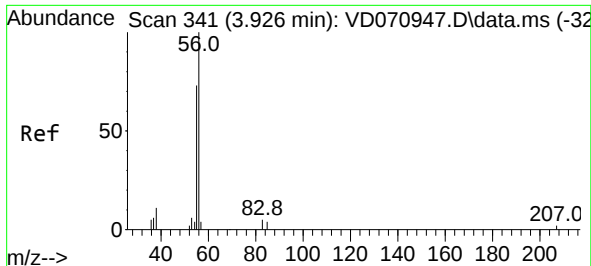
Tgt Ion:168 Resp: 350427
Ion Ratio Lower Upper
168 100
99 57.8 46.6 69.8



#10
Methyl Iodide
Concen: 6.127 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.011 min
Lab File: VD070978.D
Acq: 10 Nov 2021 19:28

Tgt Ion:142 Resp: 484
Ion Ratio Lower Upper
142 100
127 41.3 35.0 52.4
141 0.0 12.0 18.0#

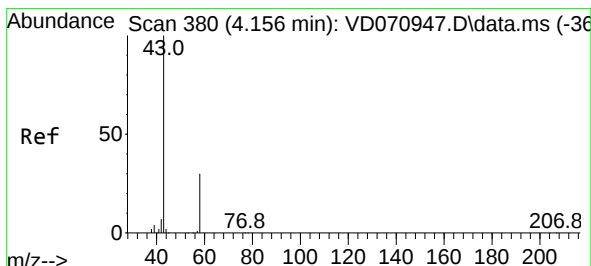
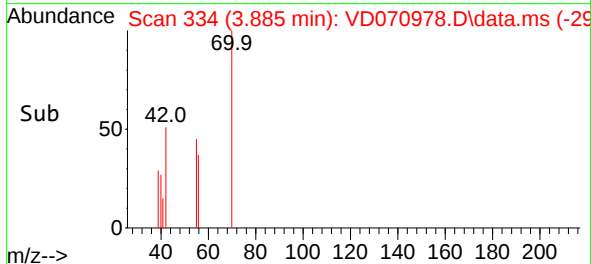
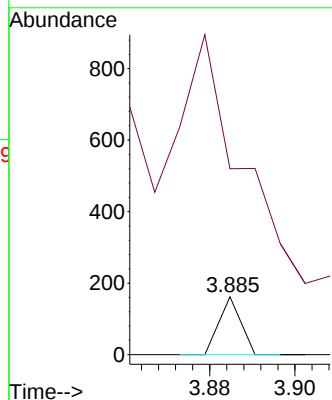
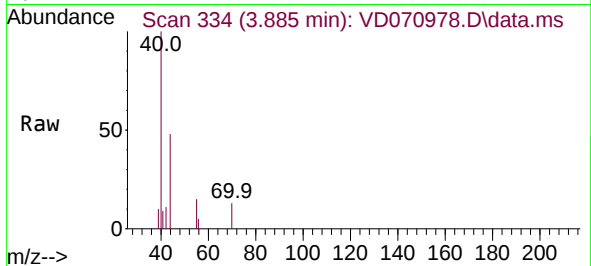




#13
Acrolein
Concen: Below Cal
RT: 3.885 min Scan# 31
Delta R.T. -0.041 min
Lab File: VD070978.D
Acq: 10 Nov 2021 19:28

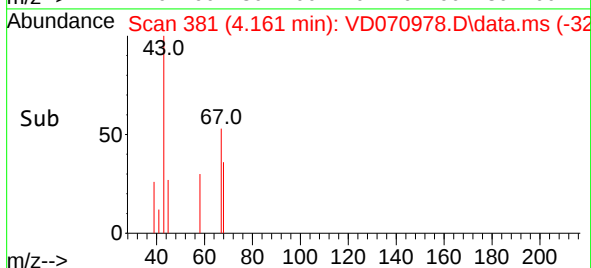
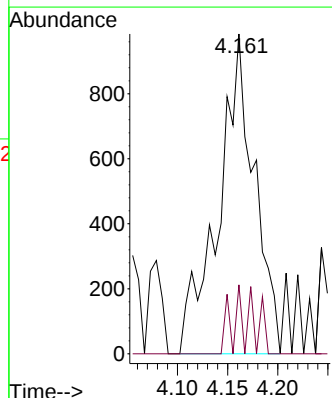
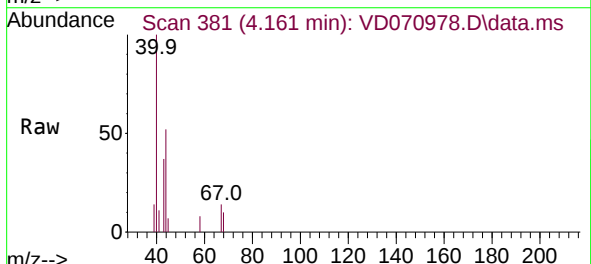
Instrument :
MSVOA_D
ClientSampleId :

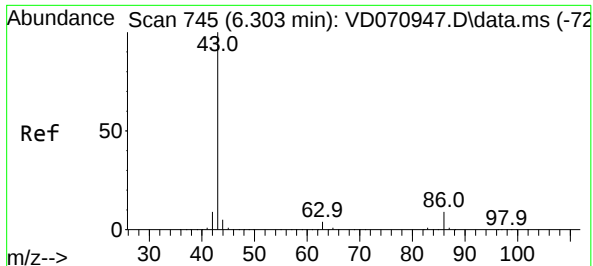
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 3635.1 58.6 87.8#



#16
Acetone
Concen: 22.040 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD070978.D
Acq: 10 Nov 2021 19:28

Tgt Ion: 43 Resp: 2455
Ion Ratio Lower Upper
43 100
58 21.5 27.8 41.8#

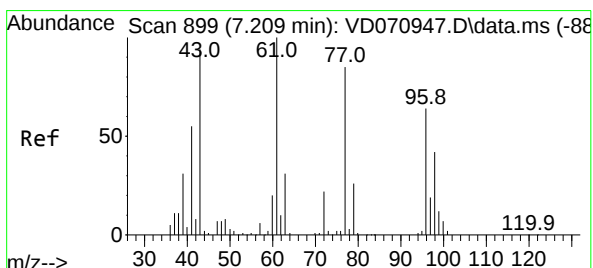
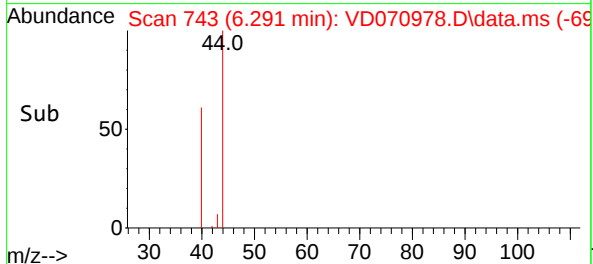
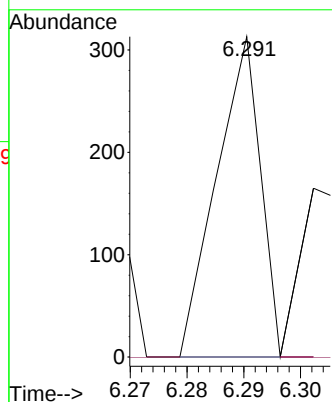
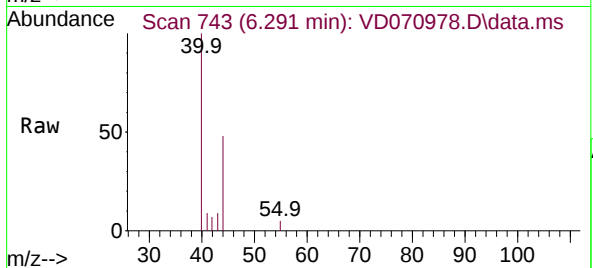




#23
 Vinyl Acetate
 Concen: 21.003 ug/l
 RT: 6.291 min Scan# 745
 Delta R.T. -0.012 min
 Lab File: VD070978.D
 Acq: 10 Nov 2021 19:28

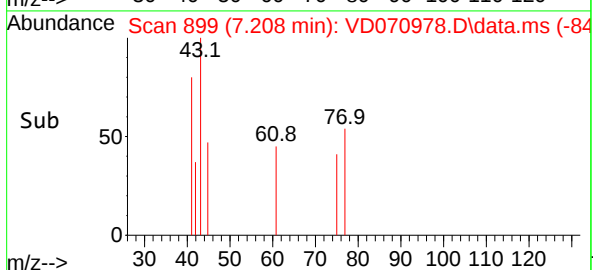
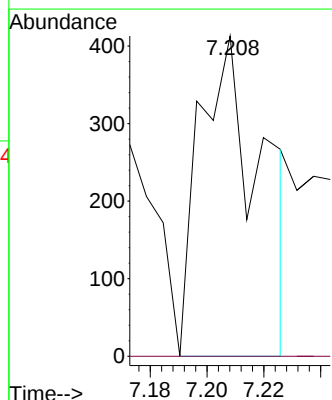
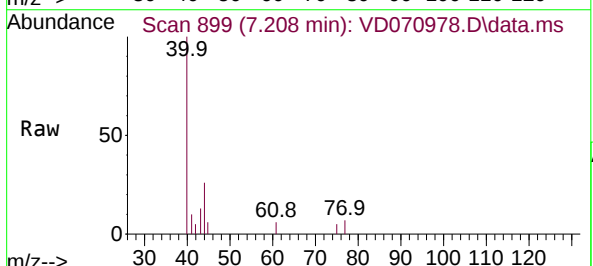
Instrument :
 MSVOA_D
 ClientSampleId :

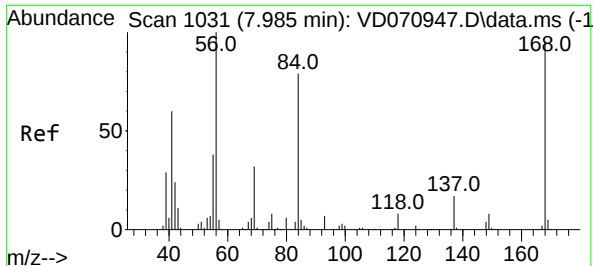
Tgt Ion: 43 Resp: 168
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 20.808 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.001 min
 Lab File: VD070978.D
 Acq: 10 Nov 2021 19:28

Tgt Ion: 43 Resp: 625
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.348 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD070978.D

Acq: 10 Nov 2021 19:28

Instrument :

MSVOA_D

ClientSampleId :

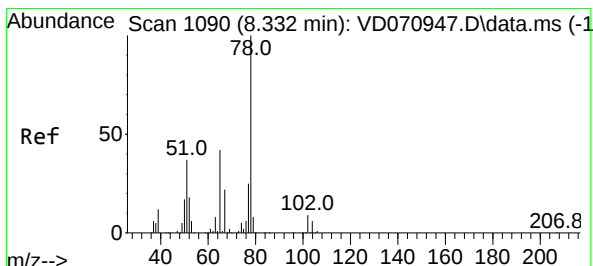
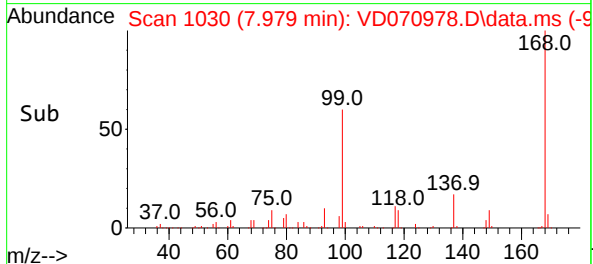
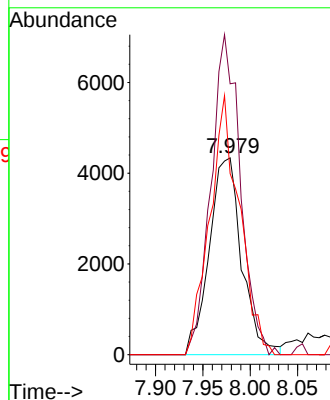
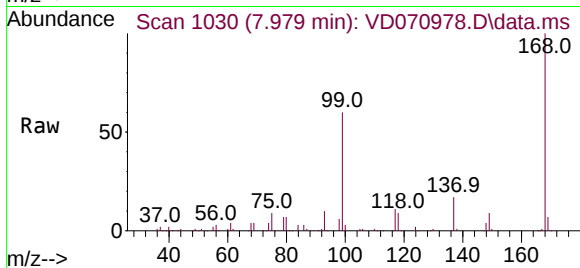
Tgt Ion: 56 Resp: 10345

Ion Ratio Lower Upper

56 100

69 137.7 25.9 38.9#

84 92.1 64.3 96.5



#33

1,2-Dichloroethane-d4

Concen: 55.163 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD070978.D

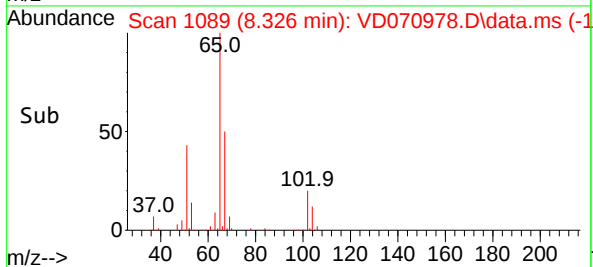
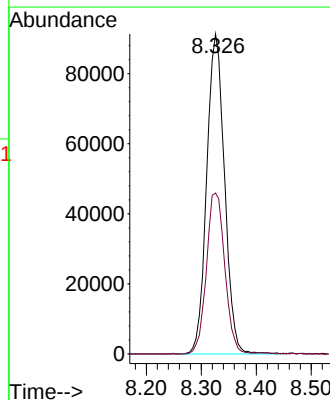
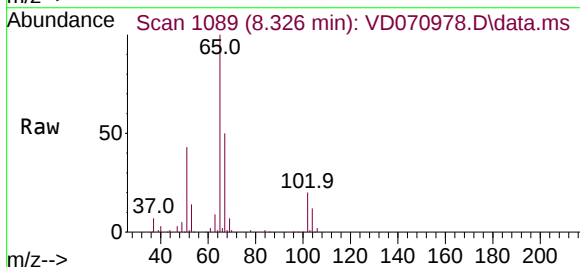
Acq: 10 Nov 2021 19:28

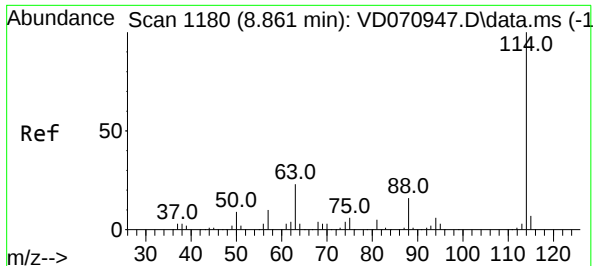
Tgt Ion: 65 Resp: 205815

Ion Ratio Lower Upper

65 100

67 51.9 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: VD070978.D

Acq: 10 Nov 2021 19:28

Instrument :

MSVOA_D

ClientSampleId :

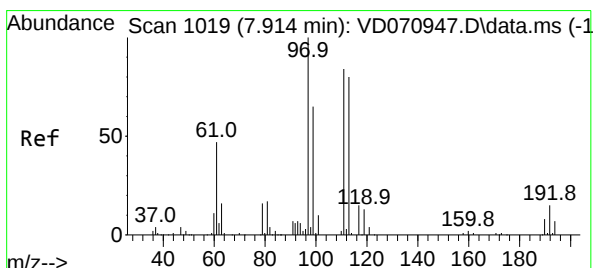
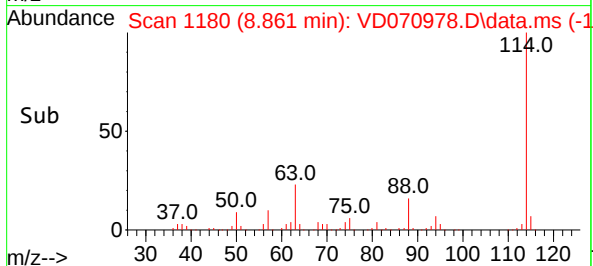
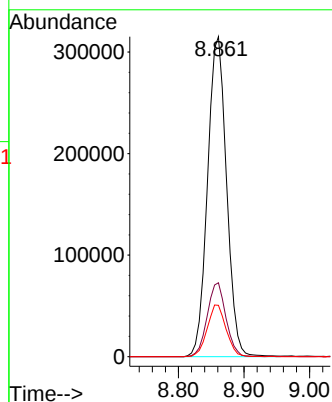
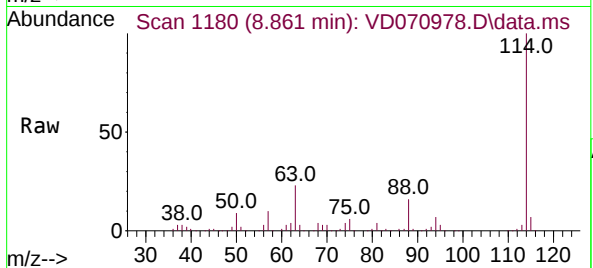
Tgt Ion:114 Resp: 635373

Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.8

88 16.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 54.283 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070978.D

Acq: 10 Nov 2021 19:28

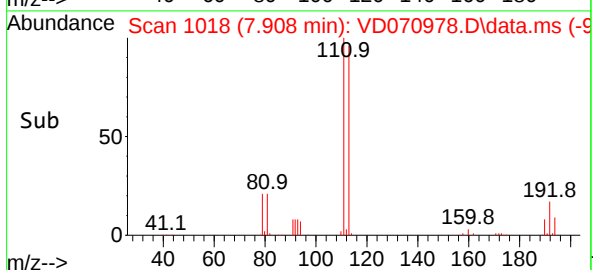
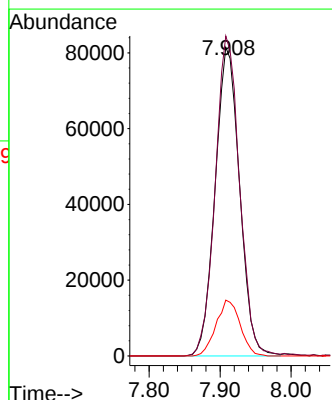
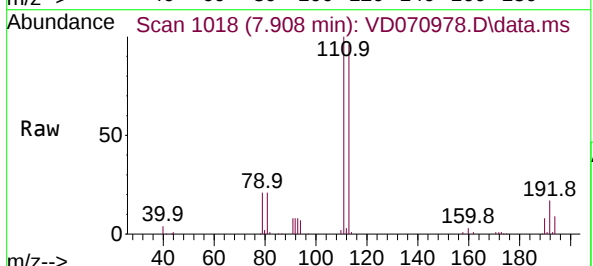
Tgt Ion:113 Resp: 194619

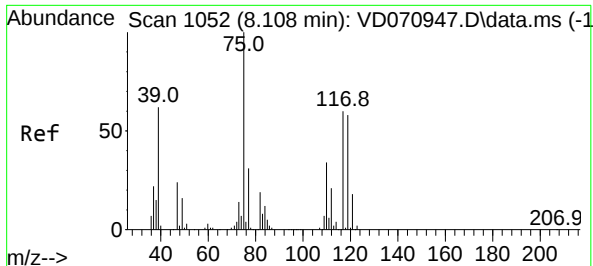
Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

192 17.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.584 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

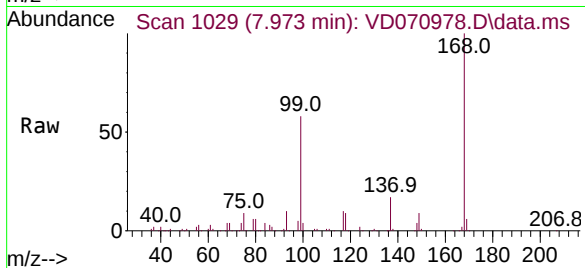
Lab File: VD070978.D

Acq: 10 Nov 2021 19:28

Instrument :

MSVOA_D

ClientSampleId :



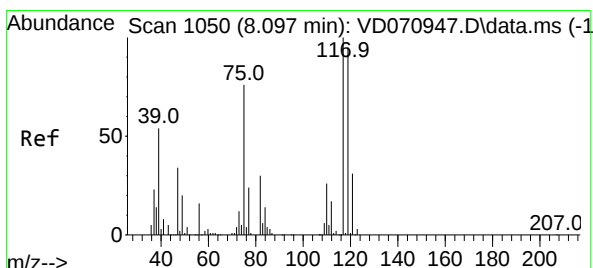
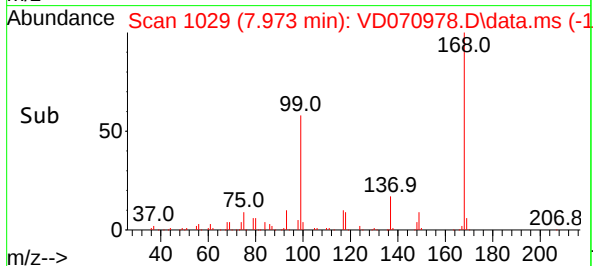
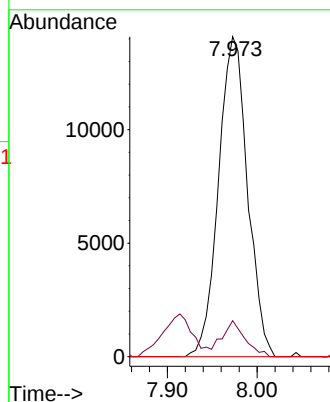
Tgt Ion: 75 Resp: 31675

Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.049 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD070978.D

Acq: 10 Nov 2021 19:28

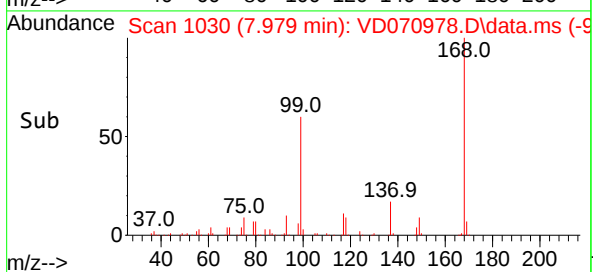
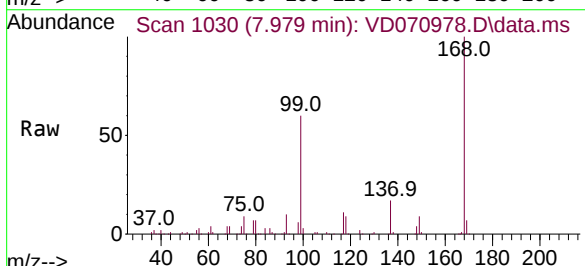
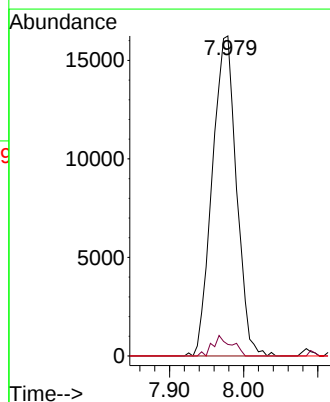
Tgt Ion: 117 Resp: 36824

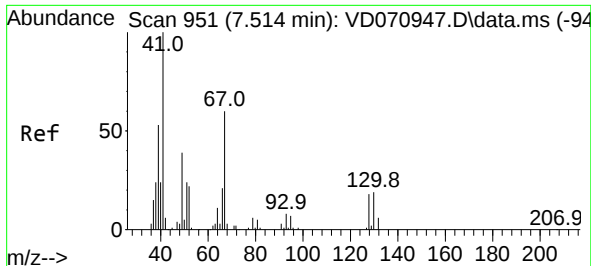
Ion Ratio Lower Upper

117 100

119 3.6 75.8 113.6#

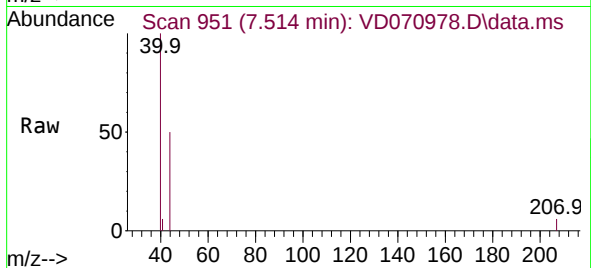
121 0.0 23.6 35.4#



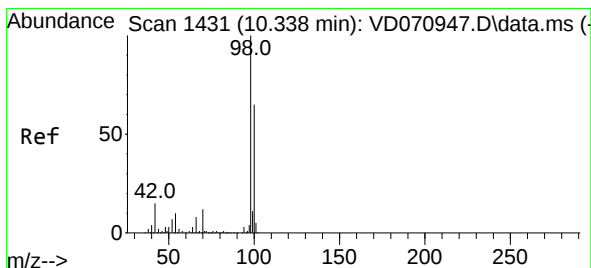
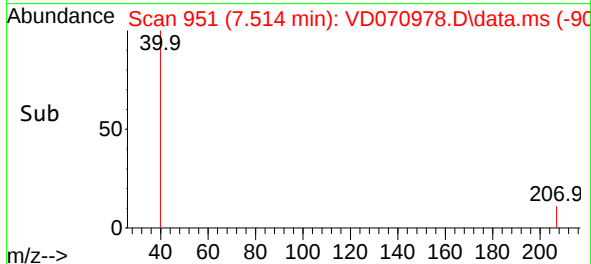
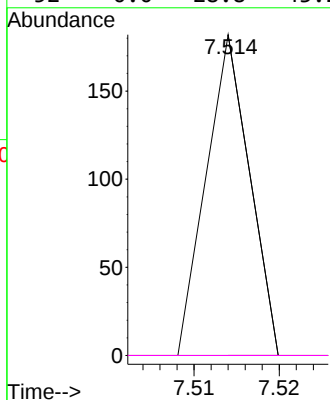


#41
Methacrylonitrile
Concen: 3.537 ug/l
RT: 7.514 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD070978.D
Acq: 10 Nov 2021 19:28

Instrument :
MSVOA_D
ClientSampleId :

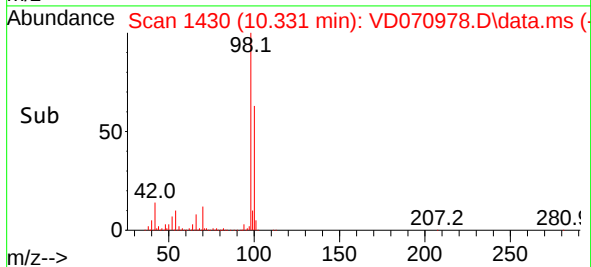
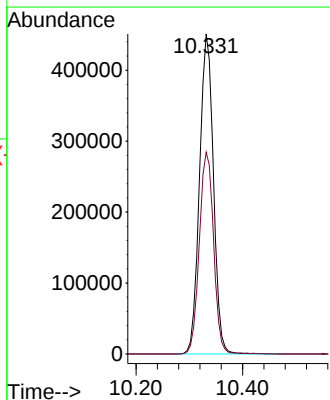
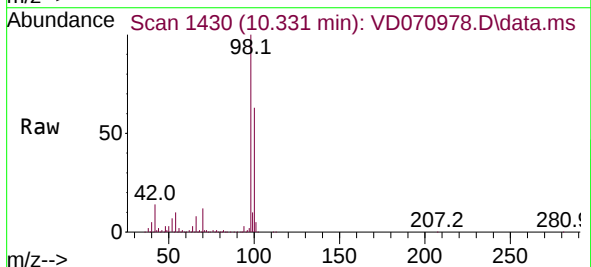


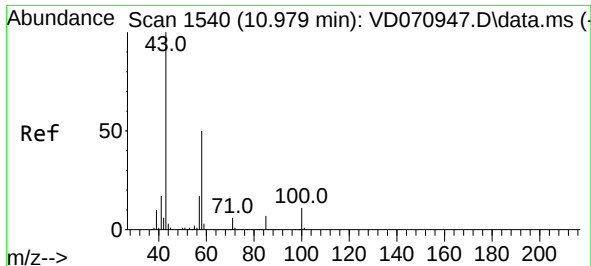
Tgt Ion:	41	Resp:	64
Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.2	90.4#
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#



#50
Toluene-d8
Concen: 58.194 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. -0.007 min
Lab File: VD070978.D
Acq: 10 Nov 2021 19:28

Tgt Ion:	98	Resp:	817087
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.6

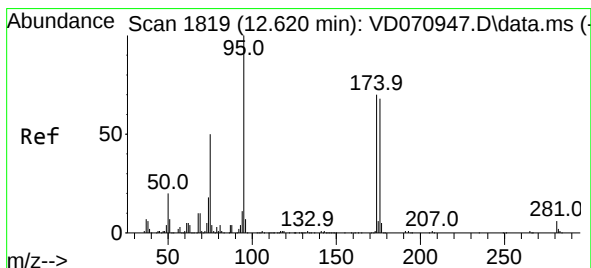
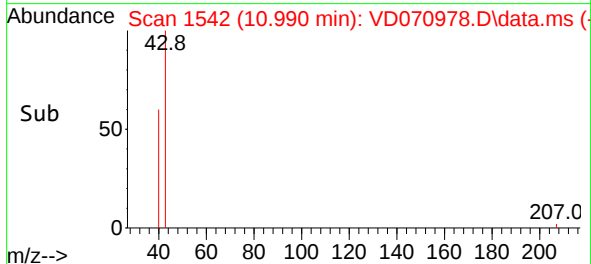
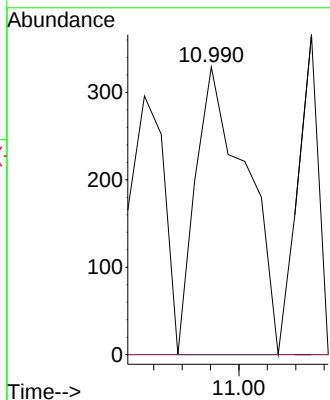
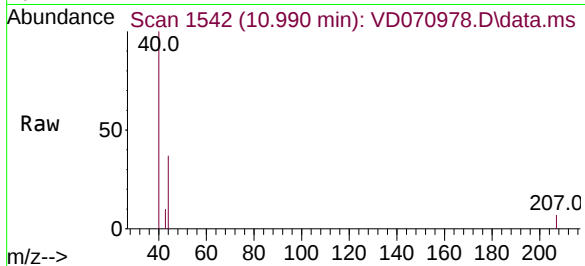




#59
2-Hexanone
Concen: 16.119 ug/l
RT: 10.990 min Scan# 11
Delta R.T. 0.011 min
Lab File: VD070978.D
Acq: 10 Nov 2021 19:28

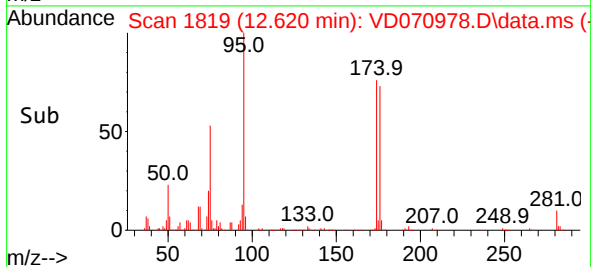
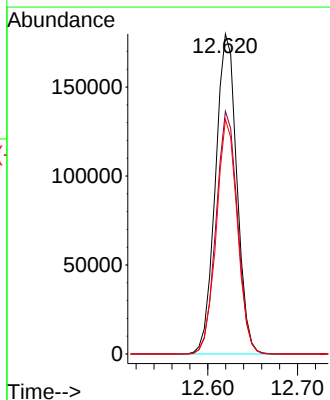
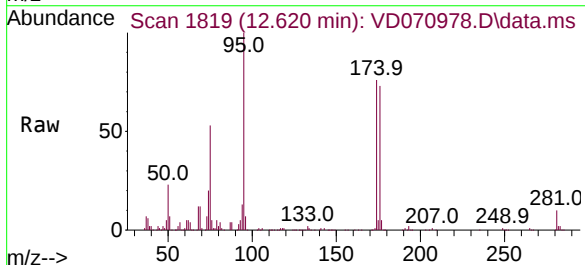
Instrument :
MSVOA_D
ClientSampleId :

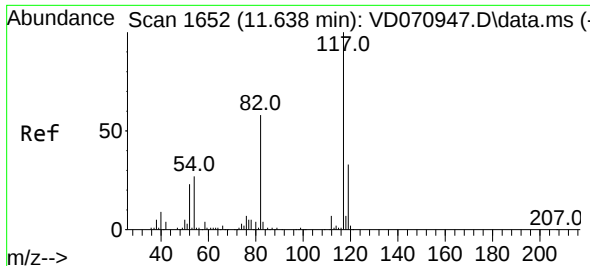
Tgt Ion: 43 Resp: 409
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 58.848 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070978.D
Acq: 10 Nov 2021 19:28

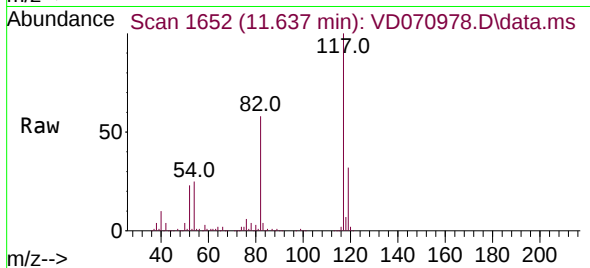
Tgt Ion: 95 Resp: 297510
Ion Ratio Lower Upper
95 100
174 75.9 0.0 159.4
176 72.3 0.0 154.0



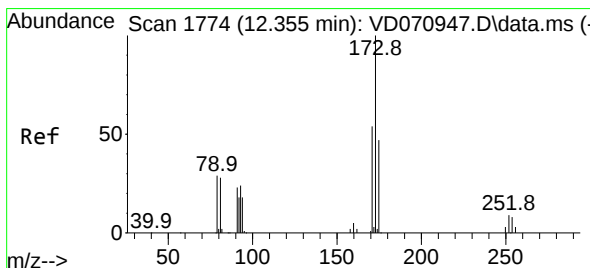
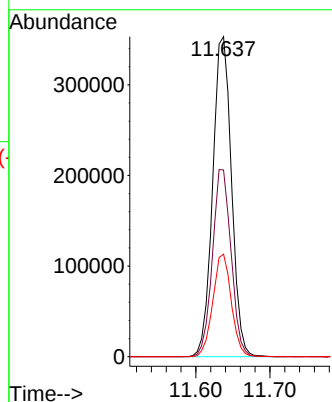
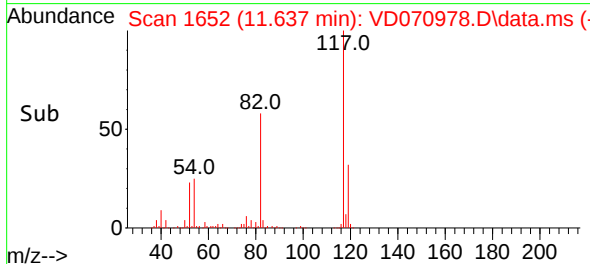


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD070978.D
Acq: 10 Nov 2021 19:28

Instrument :
MSVOA_D
ClientSampleId :

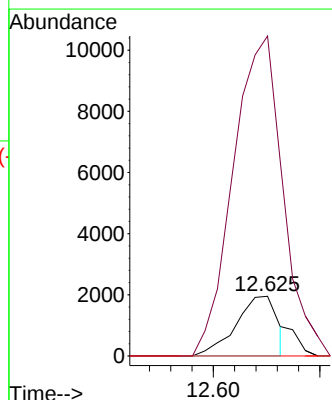
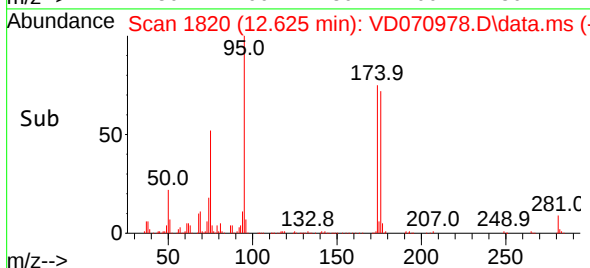
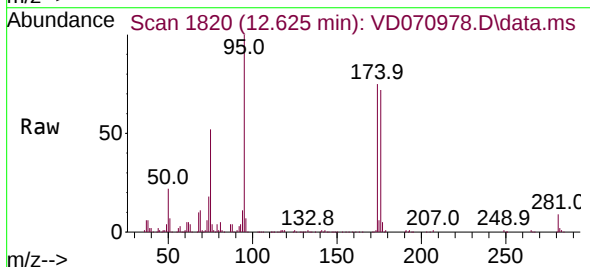


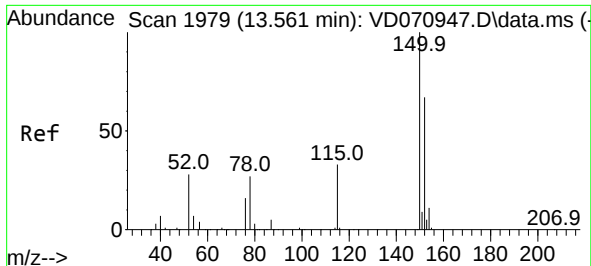
Tgt Ion:117 Resp: 622362
Ion Ratio Lower Upper
117 100
82 58.4 44.7 67.1
119 32.0 26.2 39.4



#71
Bromoform
Concen: 1.285 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD070978.D
Acq: 10 Nov 2021 19:28

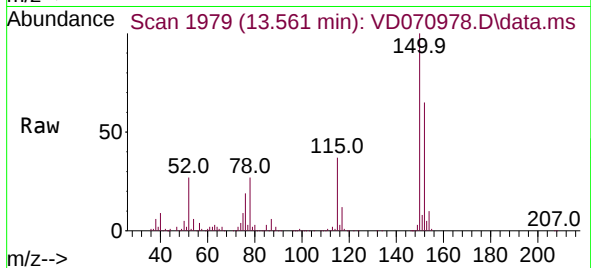
Tgt Ion:173 Resp: 2642
Ion Ratio Lower Upper
173 100
175 582.4 24.1 72.2#
254 0.0 0.1 0.1#



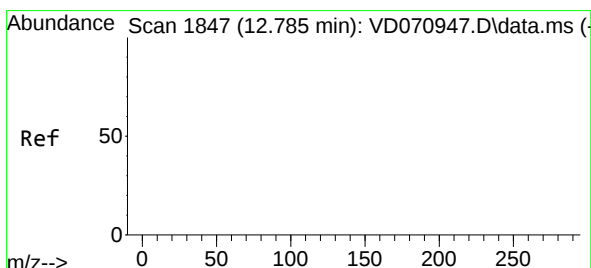
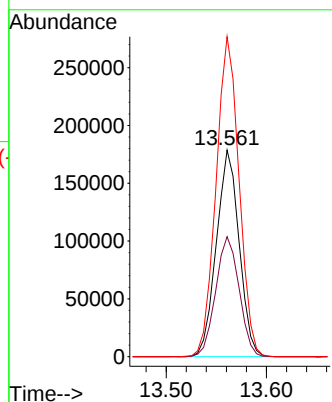
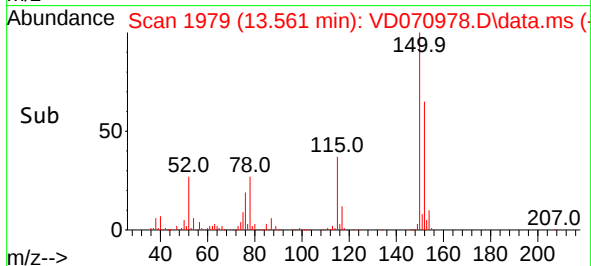


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.000 min
 Lab File: VD070978.D
 Acq: 10 Nov 2021 19:28

Instrument :
 MSVOA_D
 ClientSampleId :

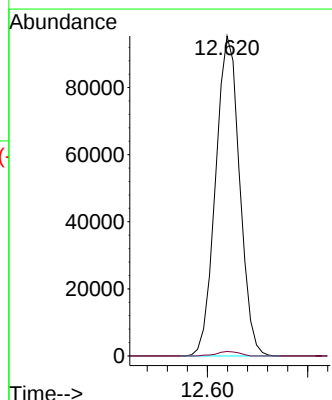
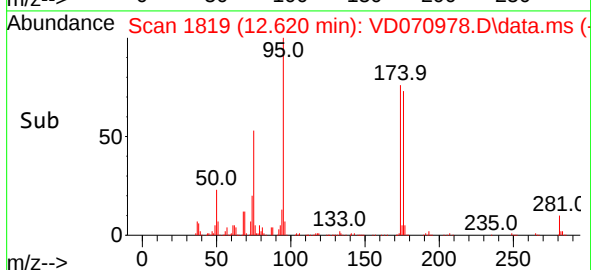
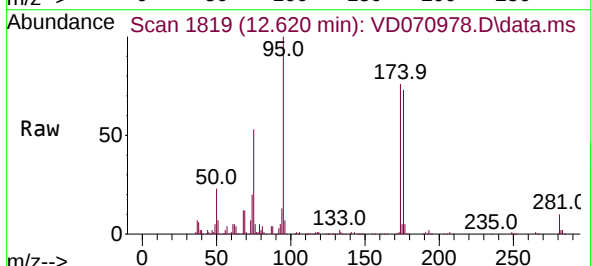


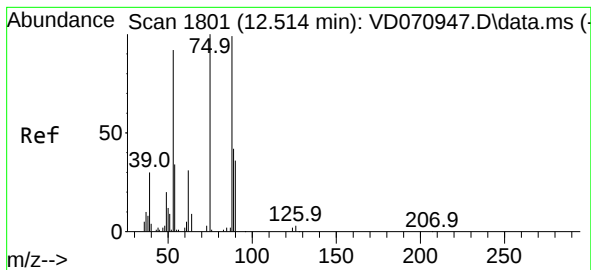
Tgt Ion:152 Resp: 281465
 Ion Ratio Lower Upper
 152 100
 115 59.6 29.8 89.3
 150 156.1 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 65.935 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.165 min
 Lab File: VD070978.D
 Acq: 10 Nov 2021 19:28

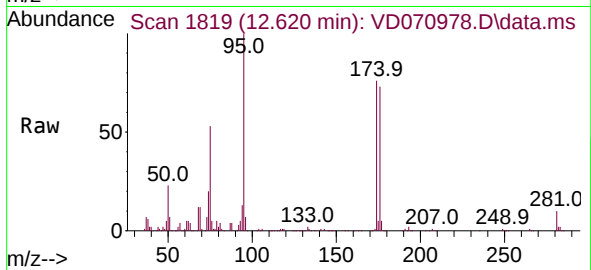
Tgt Ion: 75 Resp: 158525
 Ion Ratio Lower Upper
 75 100
 77 1.3 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.844 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD070978.D
 Acq: 10 Nov 2021 19:28

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 158525
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.1 34.5 51.7#

