

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111021\
 Data File : VD070977.D
 Acq On : 10 Nov 2021 18:59
 Operator : VA/SY
 Sample : M4605-06
 Misc : 3.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 11 06:31:15 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)

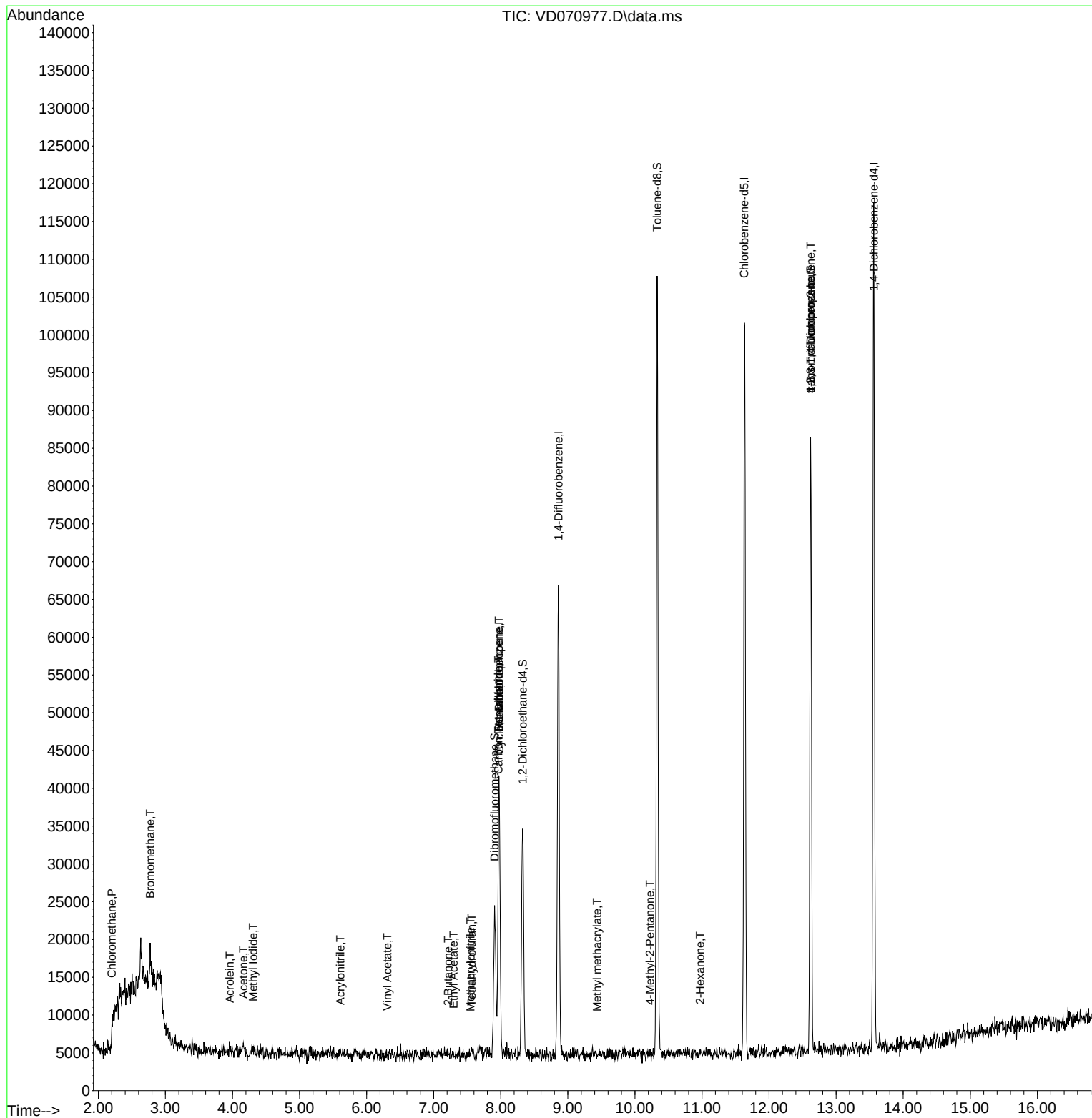
Internal Standards						
1) Pentafluorobenzene	7.973	168	25039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	48905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	53711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	28526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	23251	87.216	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 174.440%#	
35) Dibromofluoromethane	7.908	113	13604	49.297	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.600%	
50) Toluene-d8	10.332	98	65160	60.293	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 120.580%	
62) 4-Bromofluorobenzene	12.620	95	27497	70.663	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 141.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	707	2.777	ug/l #	42
5) Bromomethane	2.773	94	1789	10.721	ug/l	86
10) Methyl Iodide	4.309	142	998	9.044	ug/l #	58
13) Acrolein	3.962	56	117	14.600	ug/l #	1
15) Acrylonitrile	5.608	53	77	1.234	ug/l #	19
16) Acetone	4.162	43	746	29.337	ug/l #	40
20) Methylene Chloride	4.956	84	99	Below Cal	#	43
23) Vinyl Acetate	6.308	43	187	21.308	ug/l #	72
25) 2-Butanone	7.214	43	678	27.061	ug/l #	45
29) Tetrahydrofuran	7.567	42	547	10.098	ug/l #	43
31) Cyclohexane	7.979	56	1142	2.083	ug/l #	64
36) 1,1-Dichloropropene	7.973	75	2062	4.722	ug/l #	41
37) Ethyl Acetate	7.297	43	310	1.556	ug/l #	66
38) Carbon Tetrachloride	7.967	117	2692	6.695	ug/l #	23
41) Methacrylonitrile	7.550	41	343	5.679	ug/l #	31
48) Methyl methacrylate	9.438	41	364	1.760	ug/l #	15
51) 4-Methyl-2-Pentanone	10.226	43	571	2.794	ug/l #	34
59) 2-Hexanone	10.973	43	168	16.919	ug/l #	22
76) 1,2,3-Trichloropropane	12.620	75	14659	60.159	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	14659	111.465	ug/l #	18

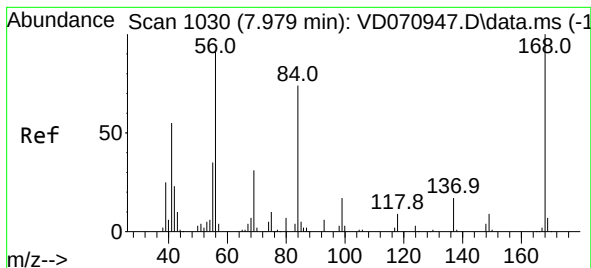
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070977.D

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Instrument :

MSVOA_D

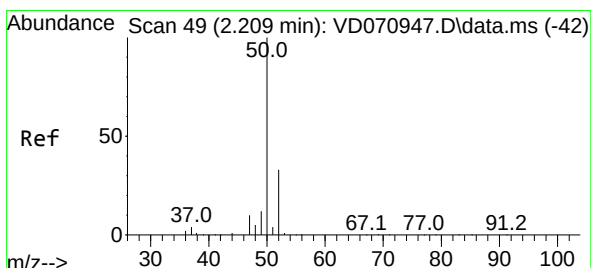
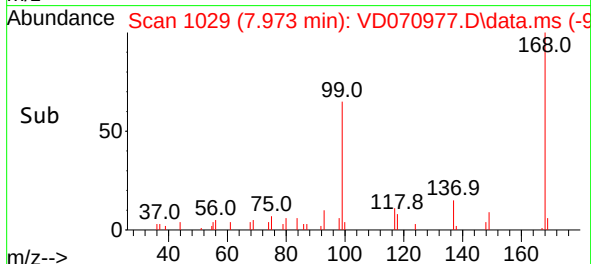
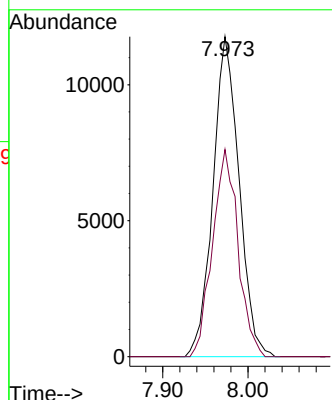
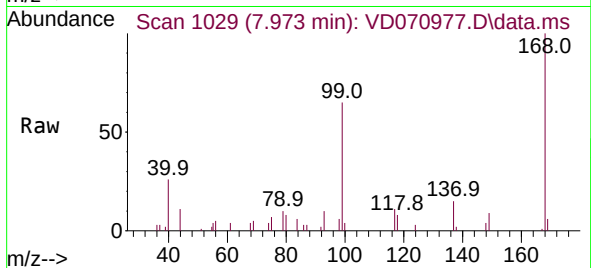
ClientSampleId :

Tgt Ion:168 Resp: 25039

Ion Ratio Lower Upper

168 100

99 64.7 46.6 69.8



#3

Chloromethane

Concen: 2.777 ug/l

RT: 2.203 min Scan# 48

Delta R.T. -0.006 min

Lab File: VD070977.D

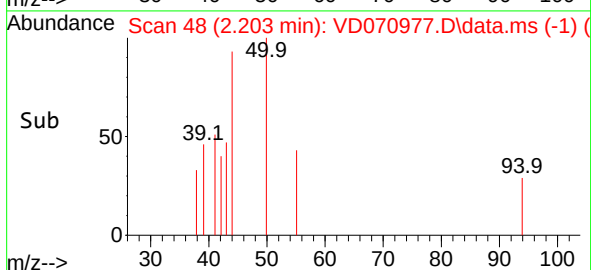
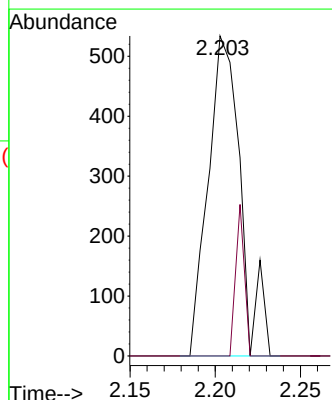
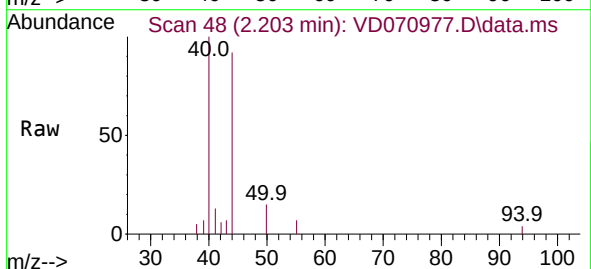
Acq: 10 Nov 2021 18:59

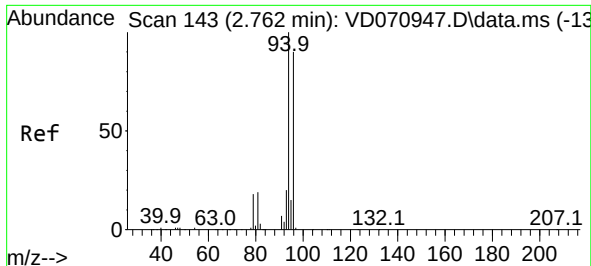
Tgt Ion: 50 Resp: 707

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.8#

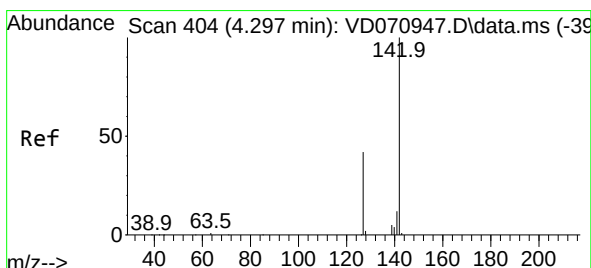
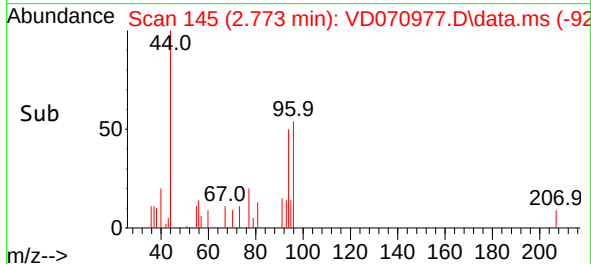
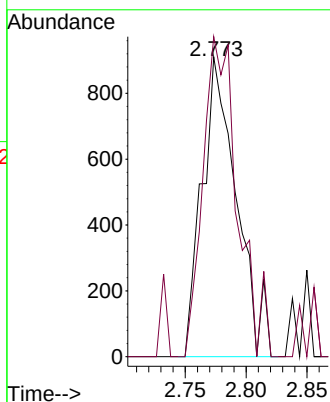
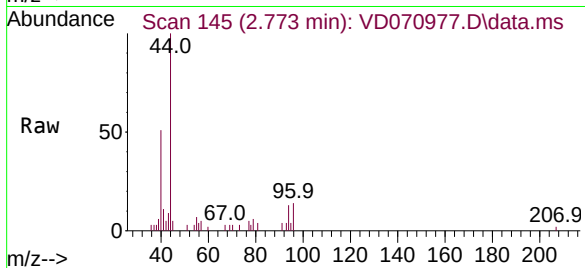




#5
Bromomethane
Concen: 10.721 ug/l
RT: 2.773 min Scan# 143
Delta R.T. 0.011 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

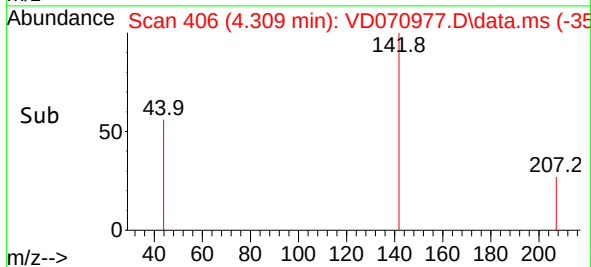
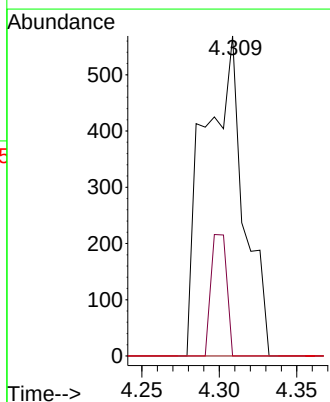
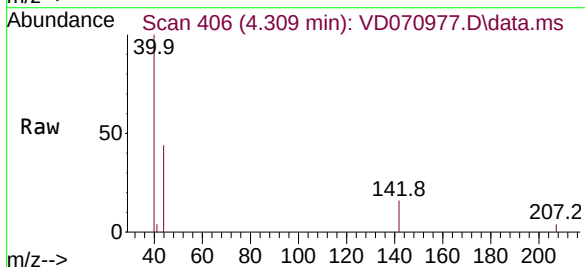
Instrument :
MSVOA_D
ClientSampleId :

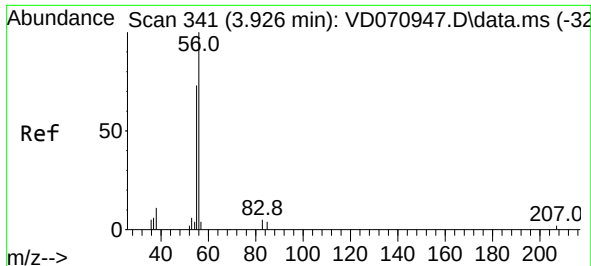
Tgt Ion: 94 Resp: 1789
Ion Ratio Lower Upper
94 100
96 106.7 74.8 112.2



#10
Methyl Iodide
Concen: 9.044 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

Tgt Ion:142 Resp: 998
Ion Ratio Lower Upper
142 100
127 15.2 35.0 52.4#
141 0.0 12.0 18.0#

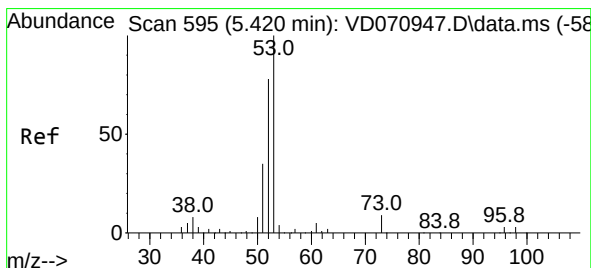
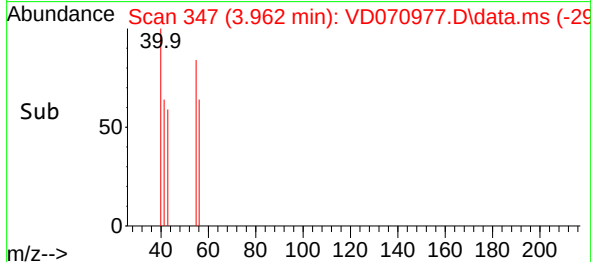
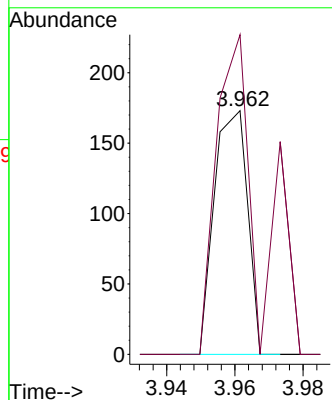
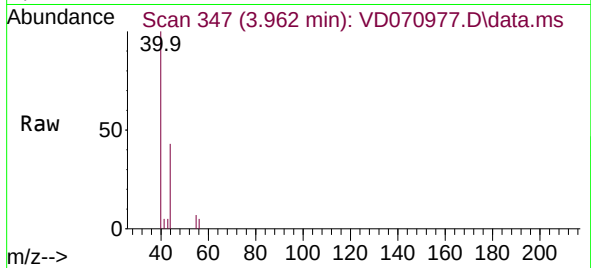




#13
Acrolein
Concen: 14.600 ug/l
RT: 3.962 min Scan# 341
Delta R.T. 0.035 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

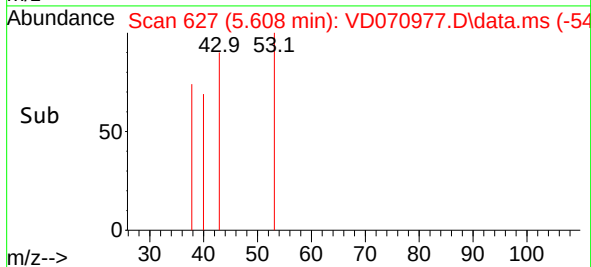
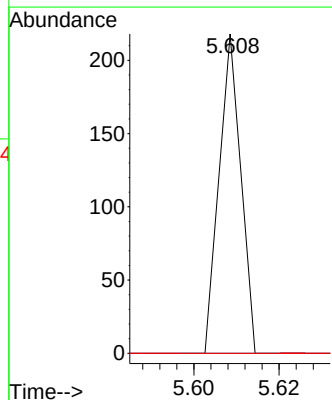
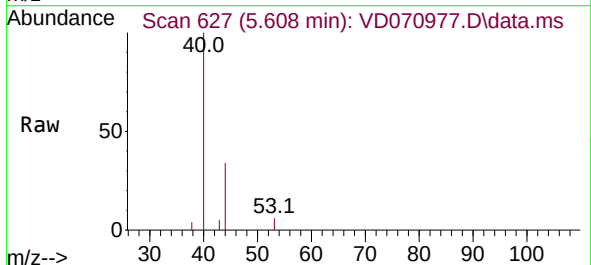
Instrument :
MSVOA_D
ClientSampleId :

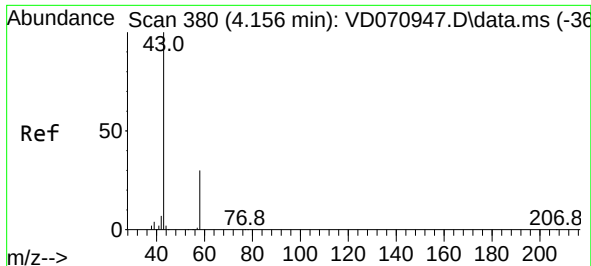
Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 169.2 58.6 87.8#



#15
Acrylonitrile
Concen: 1.234 ug/l
RT: 5.608 min Scan# 627
Delta R.T. 0.188 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

Tgt Ion: 53 Resp: 77
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#

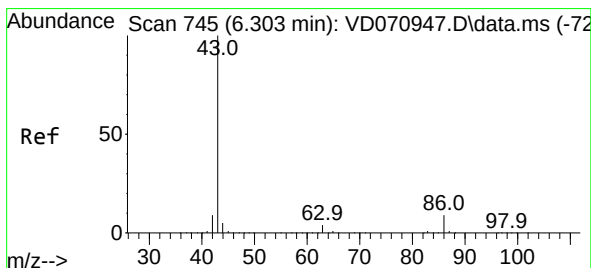
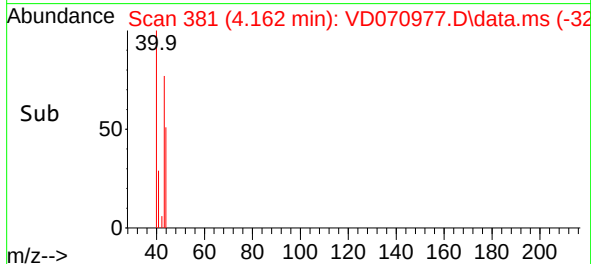
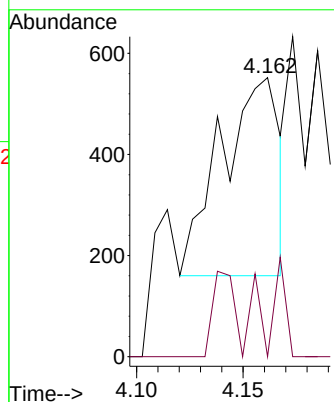
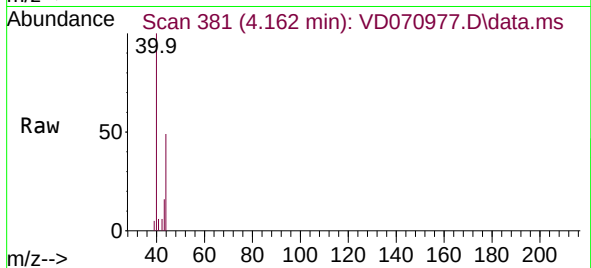




#16
Acetone
Concen: 29.337 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

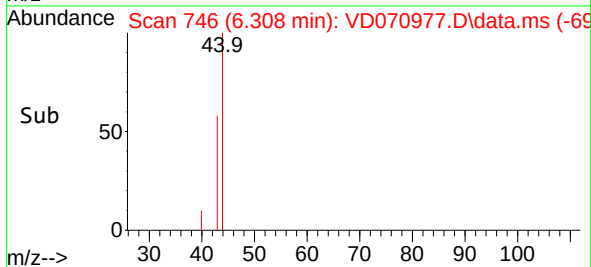
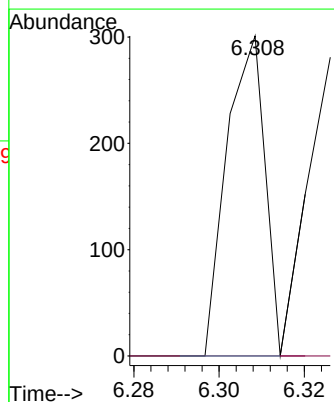
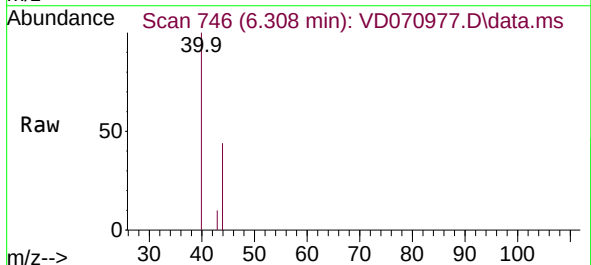
Instrument :
MSVOA_D
ClientSampleId :

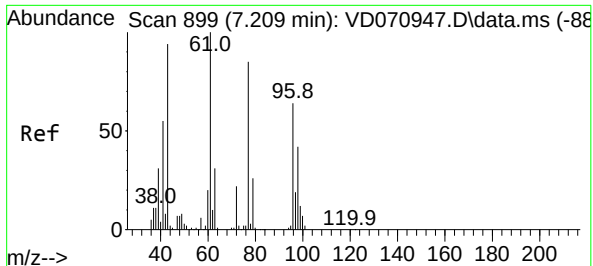
Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#23
Vinyl Acetate
Concen: 21.308 ug/l
RT: 6.308 min Scan# 746
Delta R.T. 0.005 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

Tgt Ion: 43 Resp: 187
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

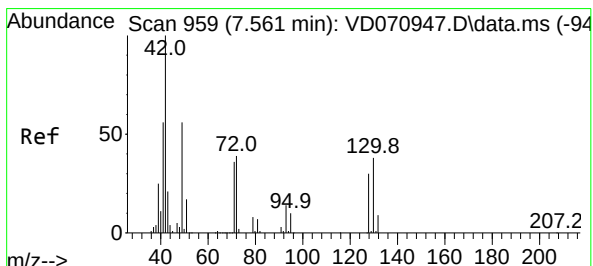
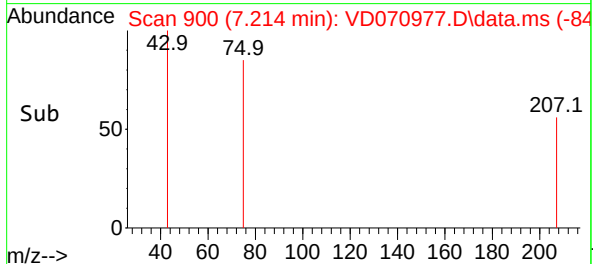
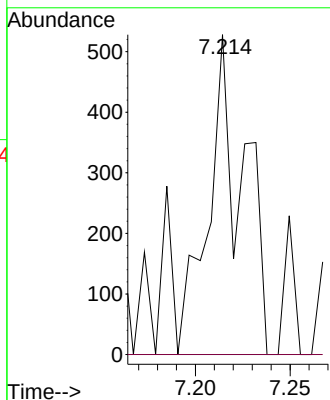
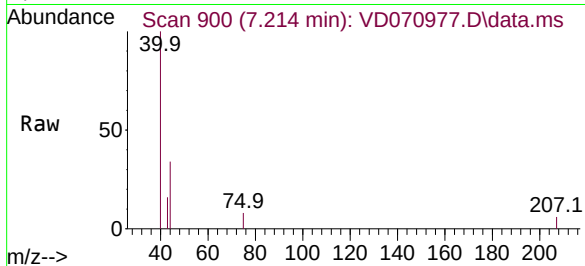




#25
2-Butanone
Concen: 27.061 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.005 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

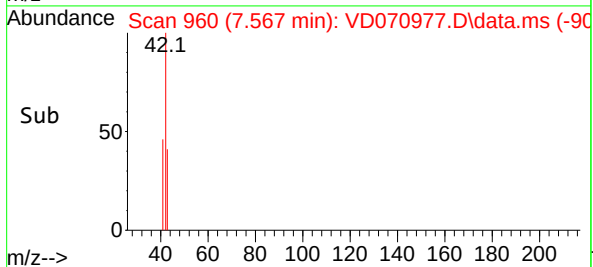
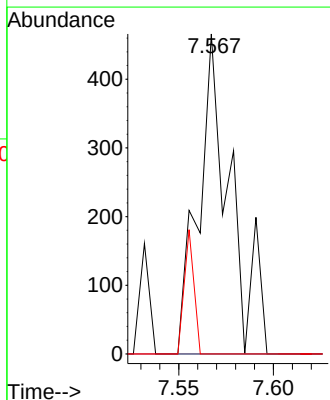
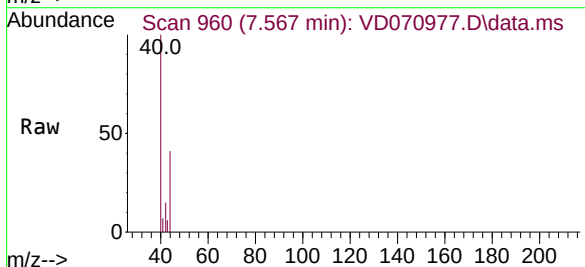
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MSVOA_D
ClientSampleId :

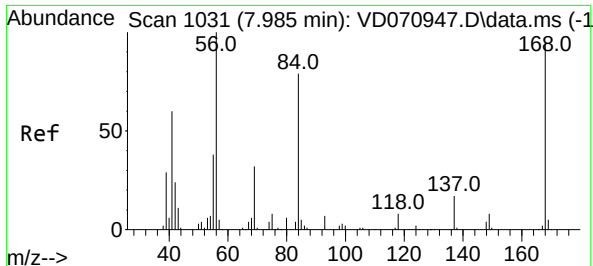
Tgt Ion: 43 Resp: 678
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 10.098 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

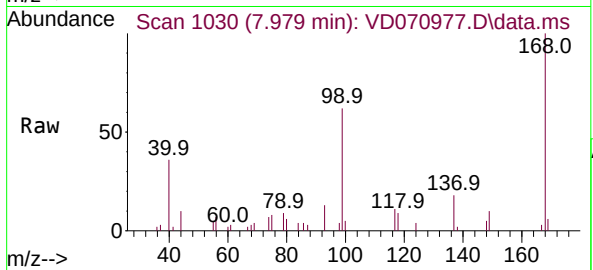
Tgt Ion: 42 Resp: 547
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 11.7 32.7 49.1#



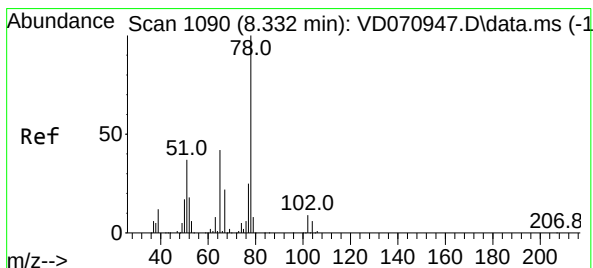
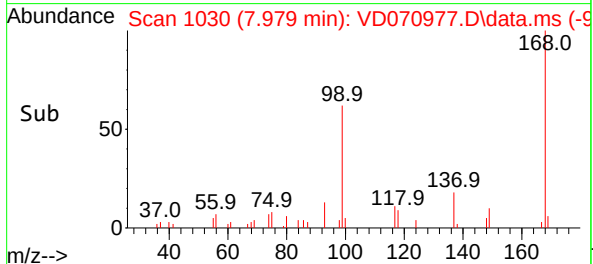
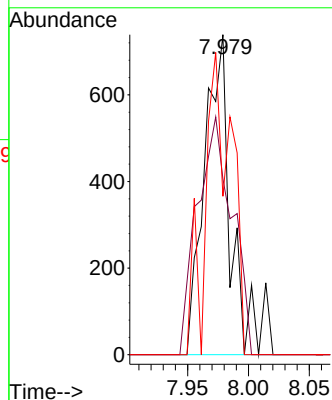


#31
Cyclohexane
Concen: 2.083 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

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MSVOA_D
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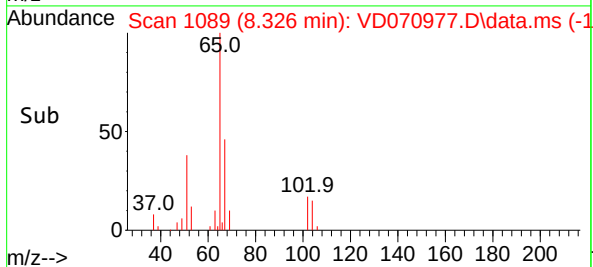
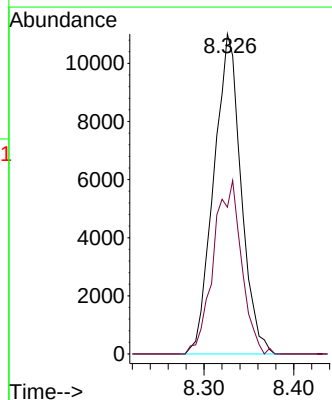
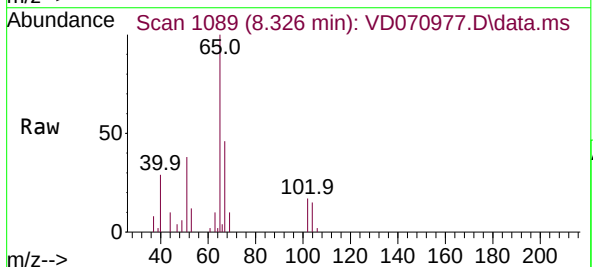


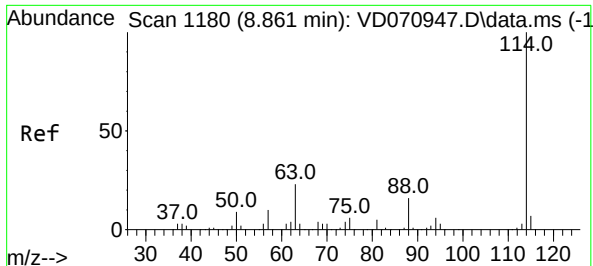
Tgt Ion: 56 Resp: 1142
Ion Ratio Lower Upper
56 100
69 54.9 25.9 38.9#
84 49.5 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 87.216 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

Tgt Ion: 65 Resp: 23251
Ion Ratio Lower Upper
65 100
67 55.5 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: VD070977.D

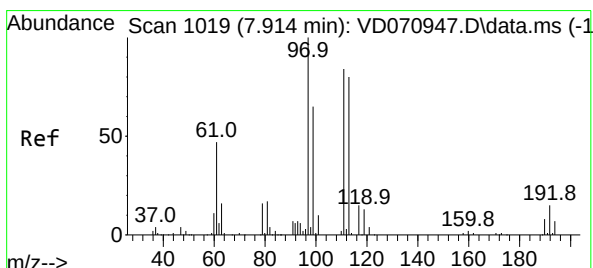
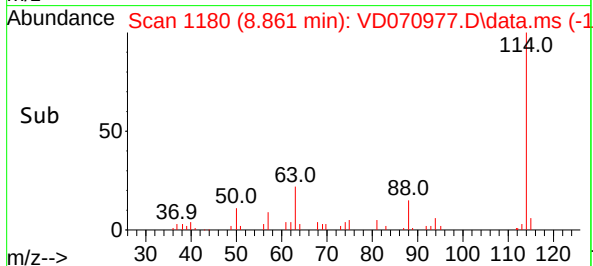
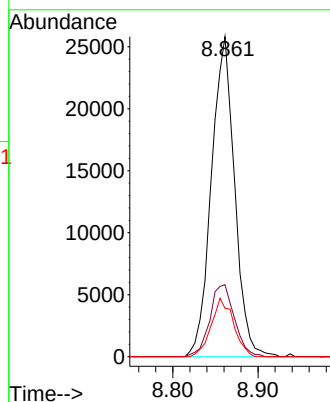
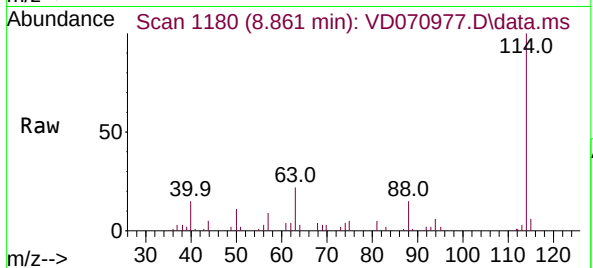
Acq: 10 Nov 2021 18:59

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	48905
Ion Ratio	Lower	Upper
114	100	
63	22.5	0.0 41.8
88	15.1	0.0 32.8



#35

Dibromofluoromethane

Concen: 49.297 ug/l

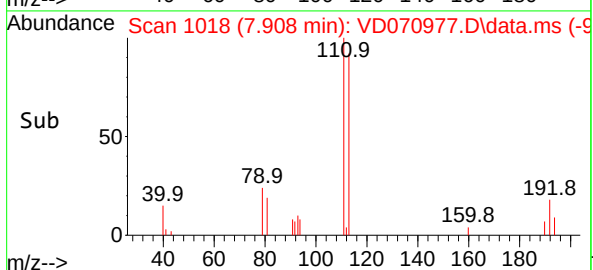
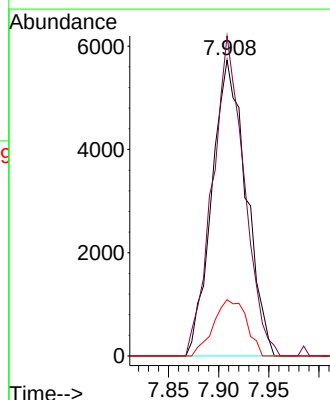
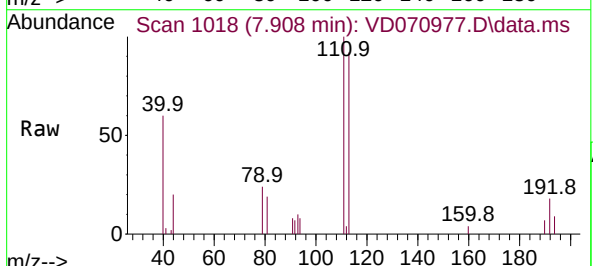
RT: 7.908 min Scan# 1018

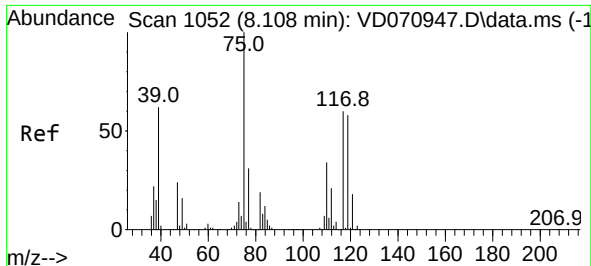
Delta R.T. -0.006 min

Lab File: VD070977.D

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Tgt Ion:113	Resp:	13604
Ion Ratio	Lower	Upper
113	100	
111	100.5	82.0 123.0
192	18.4	15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.722 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

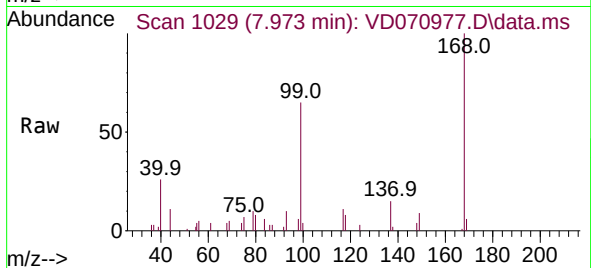
Lab File: VD070977.D

Acq: 10 Nov 2021 18:59

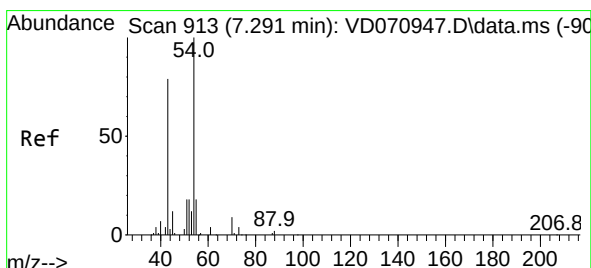
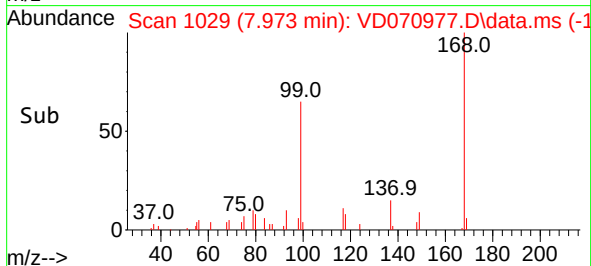
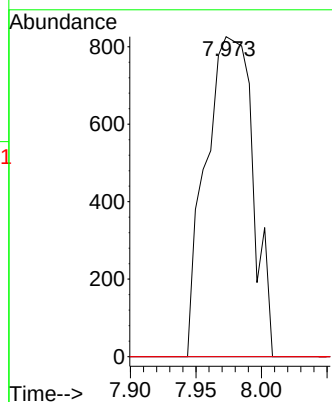
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	2062
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 1.556 ug/l

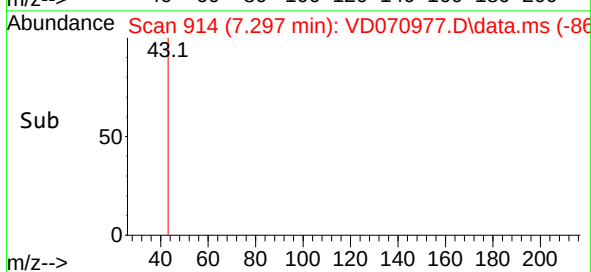
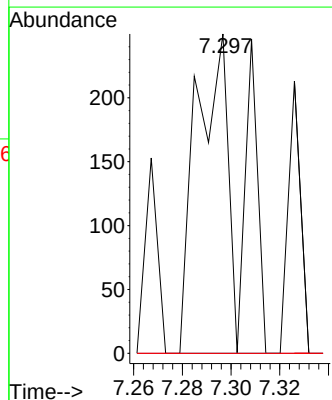
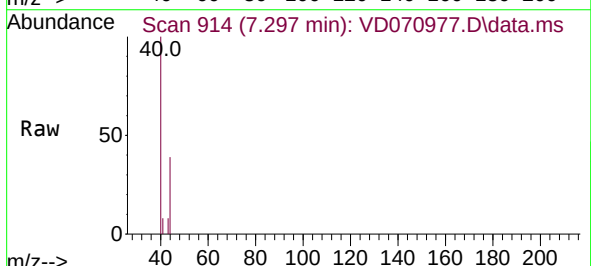
RT: 7.297 min Scan# 914

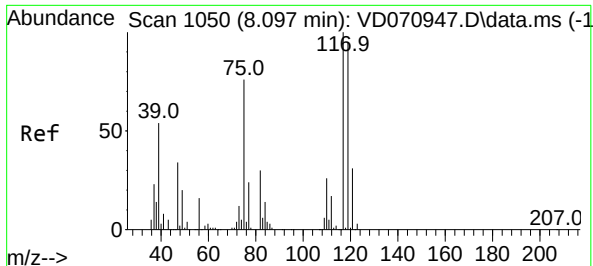
Delta R.T. 0.006 min

Lab File: VD070977.D

Acq: 10 Nov 2021 18:59

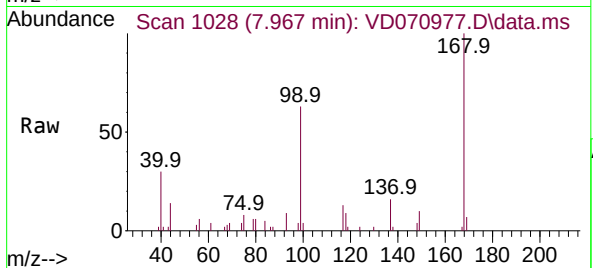
Tgt Ion:	43	Resp:	310
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	8.7	13.1#



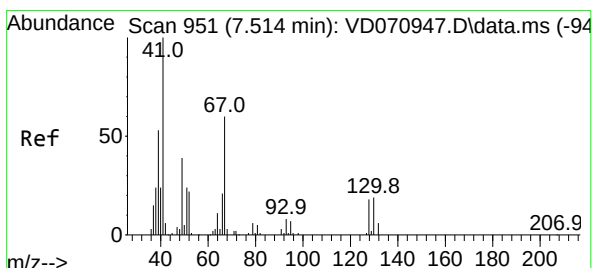
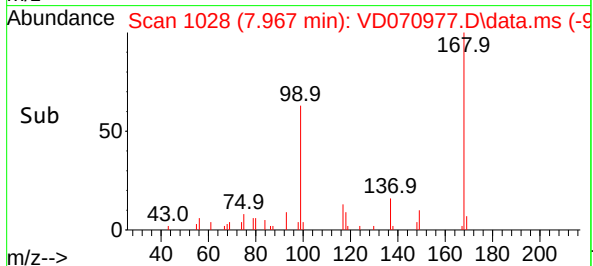
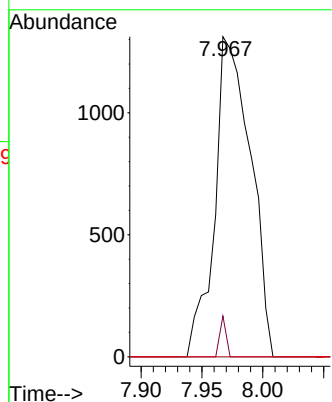


#38
Carbon Tetrachloride
Concen: 6.695 ug/l
RT: 7.967 min Scan# 1050
Delta R.T. -0.130 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

Instrument :
MSVOA_D
ClientSampleId :

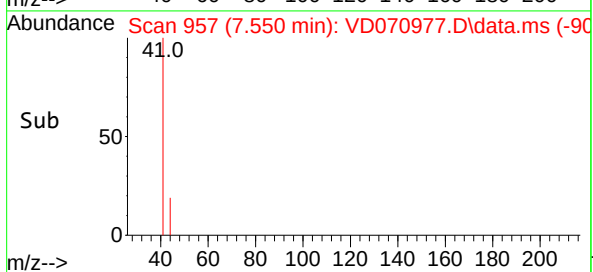
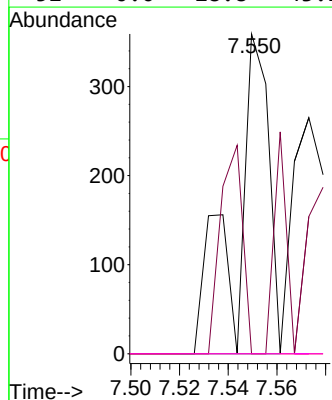
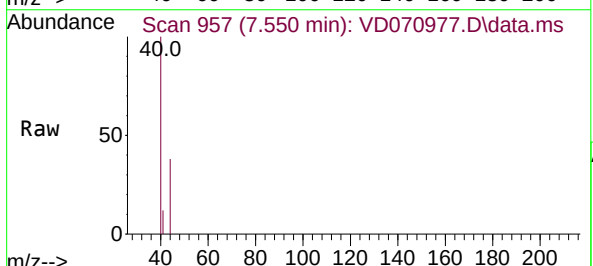


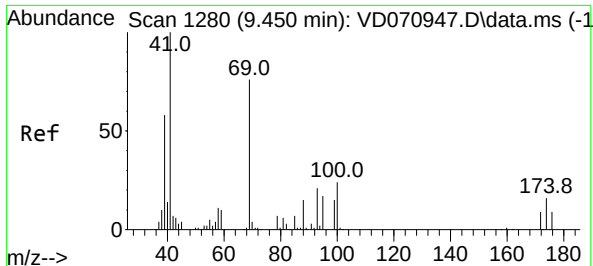
Tgt Ion:117 Resp: 2692
Ion Ratio Lower Upper
117 100
119 12.7 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 5.679 ug/l
RT: 7.550 min Scan# 957
Delta R.T. 0.036 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

Tgt Ion: 41 Resp: 343
Ion Ratio Lower Upper
41 100
39 43.4 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#





#48

Methyl methacrylate

Concen: 1.760 ug/l

RT: 9.438 min Scan# 11

Delta R.T. -0.012 min

Lab File: VD070977.D

Acq: 10 Nov 2021 18:59

Instrument :

MSVOA_D

ClientSampleId :

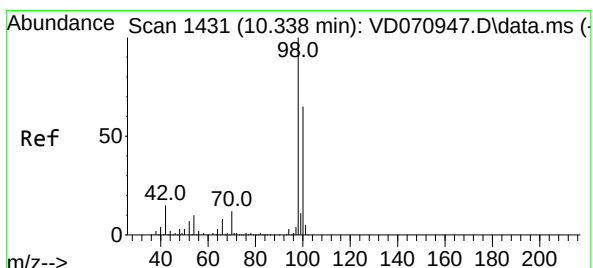
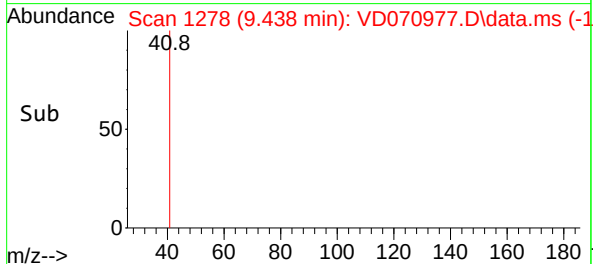
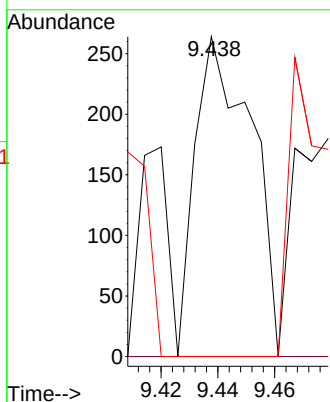
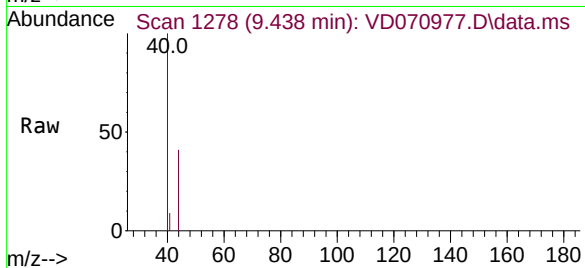
Tgt Ion: 41 Resp: 364

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 0.0 35.6 53.4#



#50

Toluene-d8

Concen: 60.293 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD070977.D

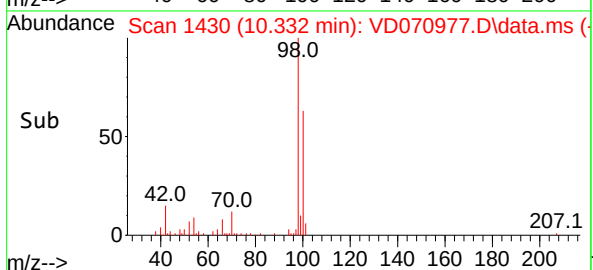
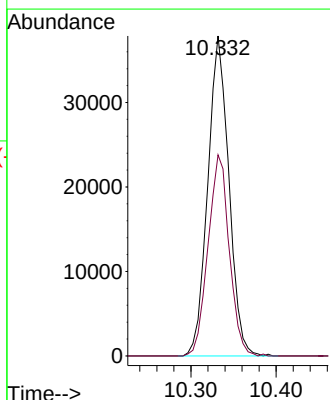
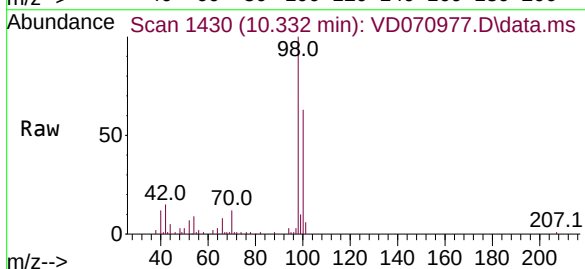
Acq: 10 Nov 2021 18:59

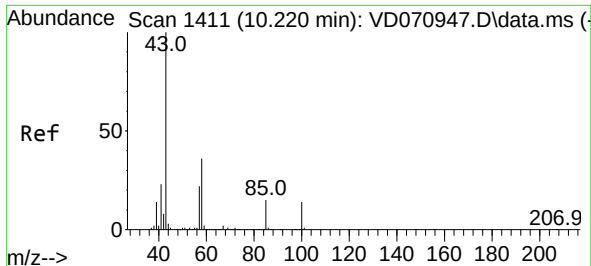
Tgt Ion: 98 Resp: 65160

Ion Ratio Lower Upper

98 100

100 63.3 51.8 77.6

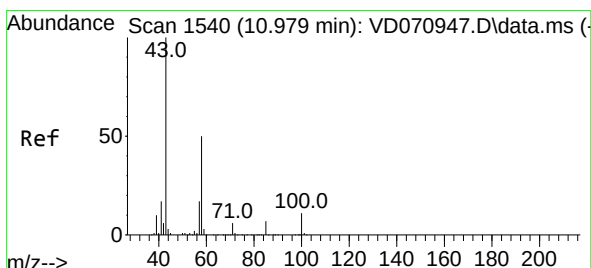
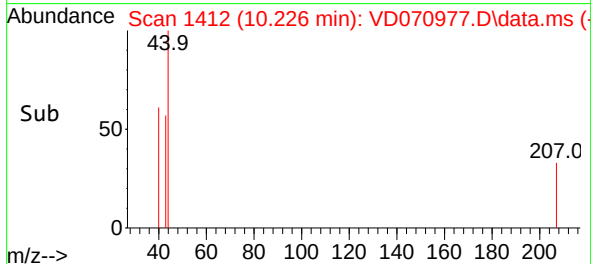
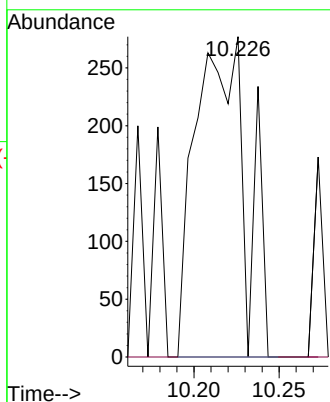
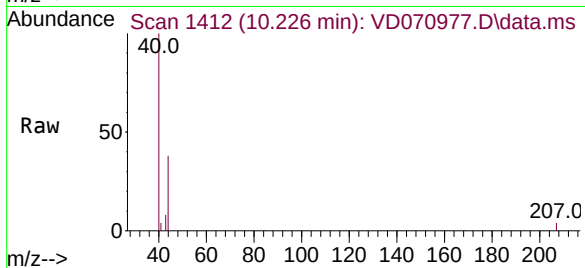




#51
4-Methyl-2-Pentanone
Concen: 2.794 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

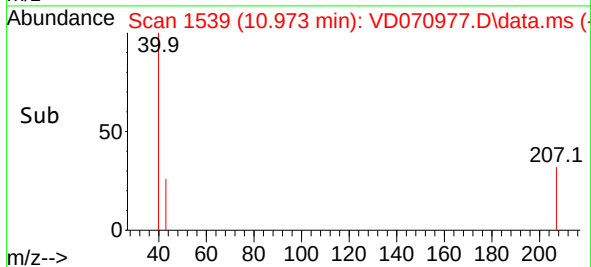
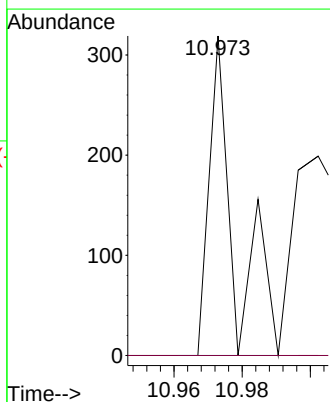
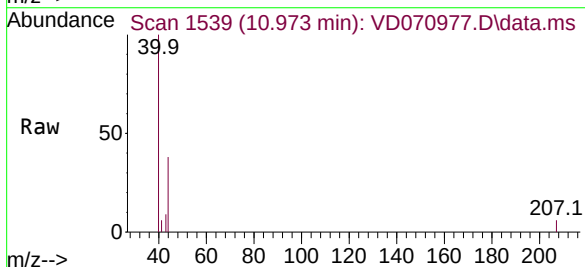
Instrument :
MSVOA_D
ClientSampleId :

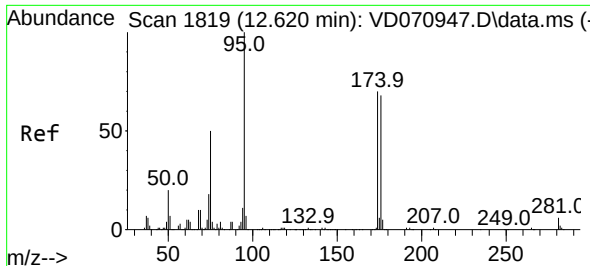
Tgt Ion: 43 Resp: 571
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 16.919 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

Tgt Ion: 43 Resp: 168
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

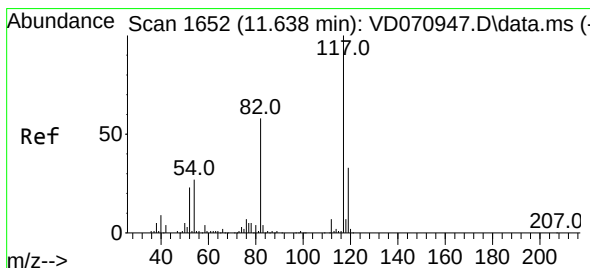
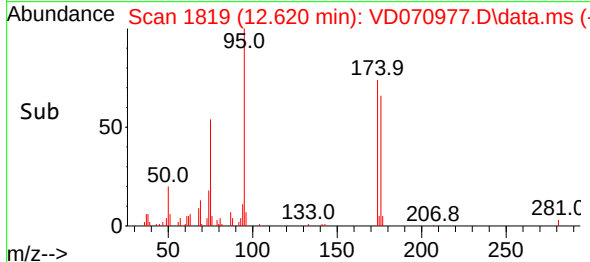
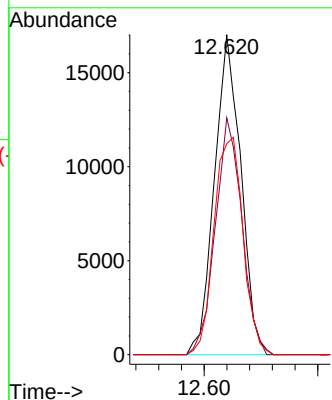
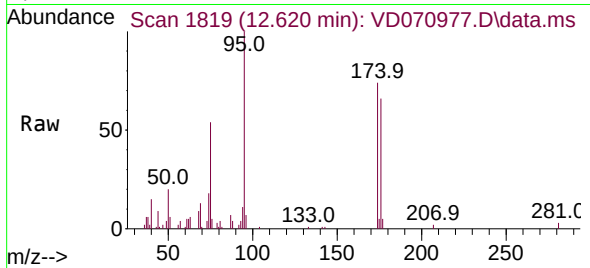




#62
4-Bromofluorobenzene
Concen: 70.663 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

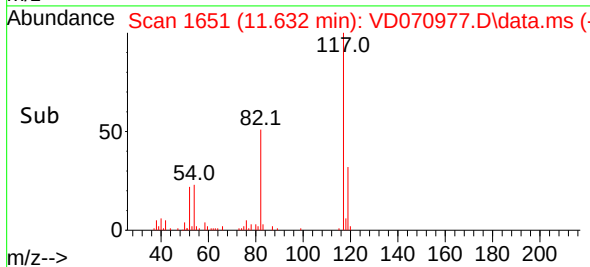
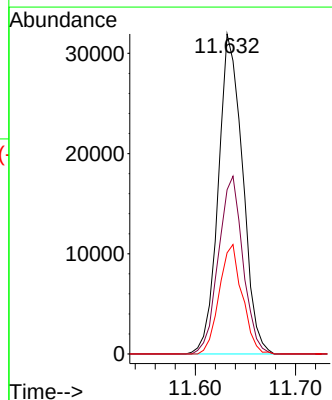
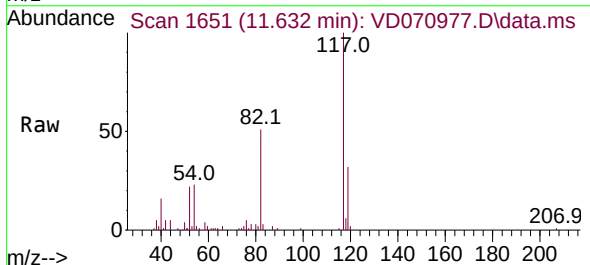
Instrument :
MSVOA_D
ClientSampleId :

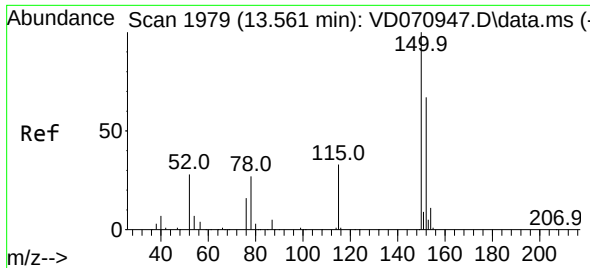
Tgt Ion: 95 Resp: 27497
Ion Ratio Lower Upper
95 100
174 74.3 0.0 159.4
176 74.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD070977.D
Acq: 10 Nov 2021 18:59

Tgt Ion: 117 Resp: 53711
Ion Ratio Lower Upper
117 100
82 51.3 44.7 67.1
119 31.6 26.2 39.4

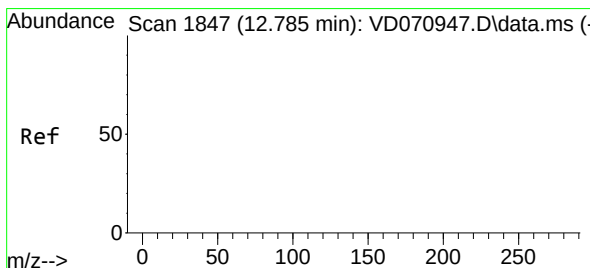
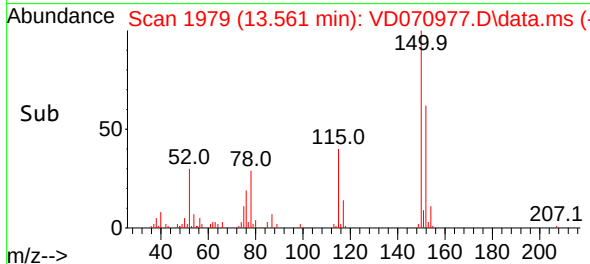
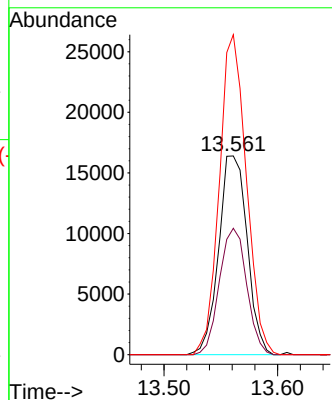
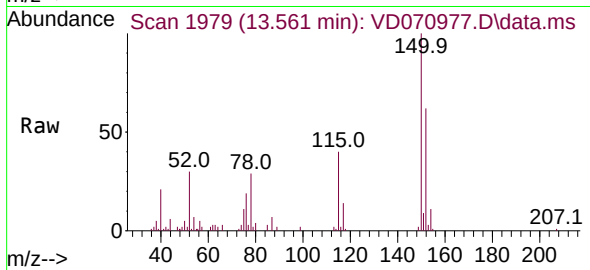




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD070977.D
 Acq: 10 Nov 2021 18:59

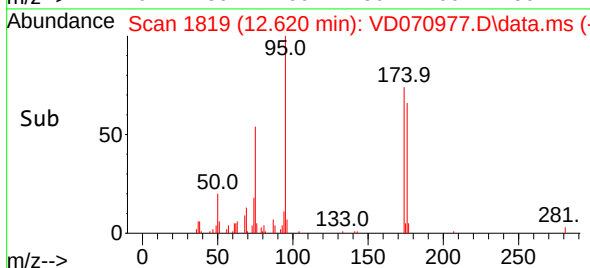
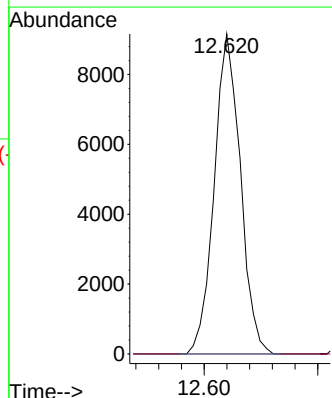
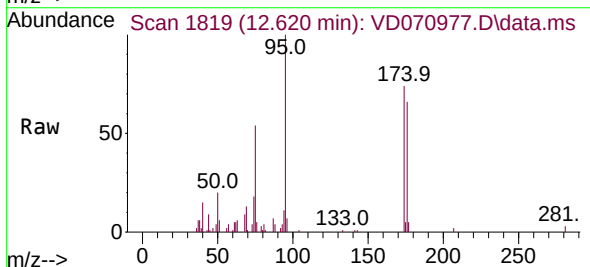
Instrument :
 MSVOA_D
 ClientSampleId :

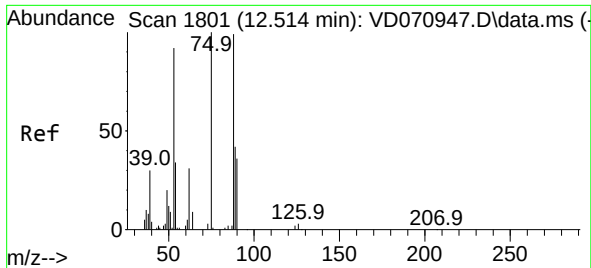
Tgt Ion:152 Resp: 28526
 Ion Ratio Lower Upper
 152 100
 115 60.9 29.8 89.3
 150 152.9 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 60.159 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.165 min
 Lab File: VD070977.D
 Acq: 10 Nov 2021 18:59

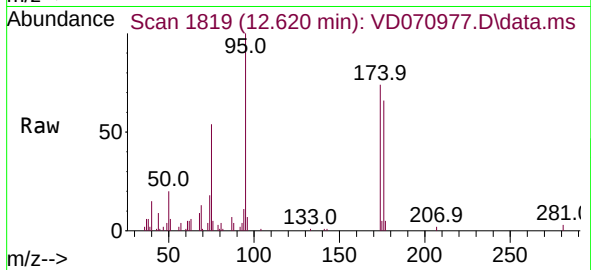
Tgt Ion: 75 Resp: 14659
 Ion Ratio Lower Upper
 75 100
 77 0.0 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.465 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD070977.D
 Acq: 10 Nov 2021 18:59

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 14659
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.4 34.5 51.7#

