

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111521\
 Data File : VD071031.D
 Acq On : 15 Nov 2021 16:40
 Operator : VA/SY
 Sample : M4657-03RE
 Misc : 4.93G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 16 03:21:58 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)

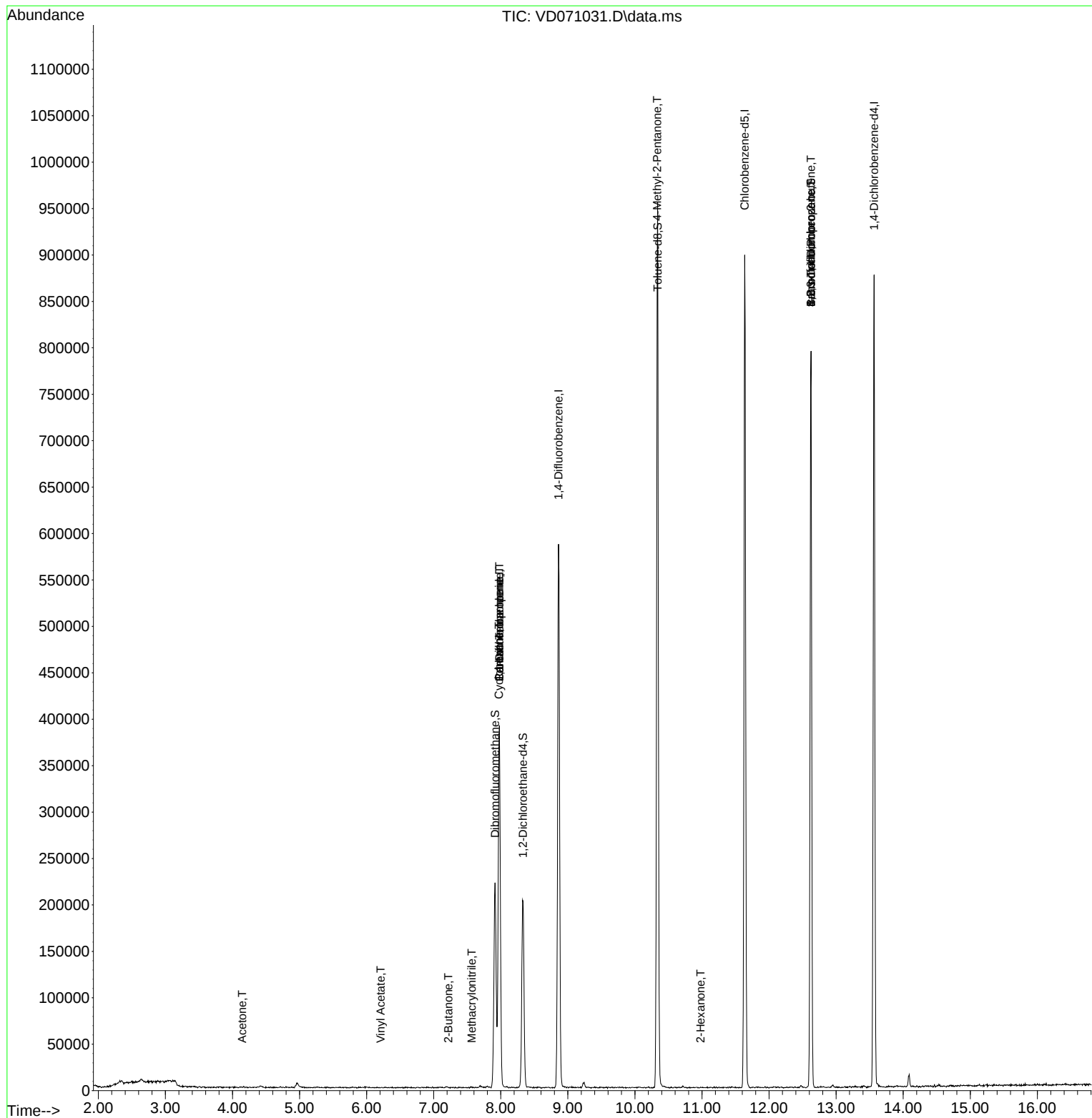
Internal Standards						
1) Pentafluorobenzene	7.979	168	277535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	481458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	476989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	209993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	166419	56.319	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.640%	
35) Dibromofluoromethane	7.914	113	152595	56.168	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.340%	
50) Toluene-d8	10.338	98	610036	57.337	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.680%	
62) 4-Bromofluorobenzene	12.626	95	227817	59.469	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.940%	
Target Compounds						
					Qvalue	
13) Acrolein	3.950	56	89	Below Cal	#	13
16) Acetone	4.144	43	624	20.516	ug/l #	40
23) Vinyl Acetate	6.208	43	56	20.991	ug/l #	72
25) 2-Butanone	7.220	43	66	20.426	ug/l #	45
31) Cyclohexane	7.973	56	7448	1.226	ug/l #	39
36) 1,1-Dichloropropene	7.979	75	24213	5.633	ug/l #	48
38) Carbon Tetrachloride	7.979	117	29184	7.372	ug/l #	15
41) Methacrylonitrile	7.567	41	297	3.697	ug/l #	12
51) 4-Methyl-2-Pentanone	10.332	43	3471	1.725	ug/l #	1
59) 2-Hexanone	10.979	43	87	15.987	ug/l #	22
71) Bromoform	12.626	173	2155	1.368	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	125345	69.878	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	125345	128.931	ug/l #	18

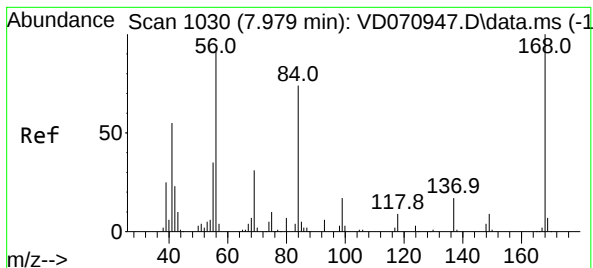
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

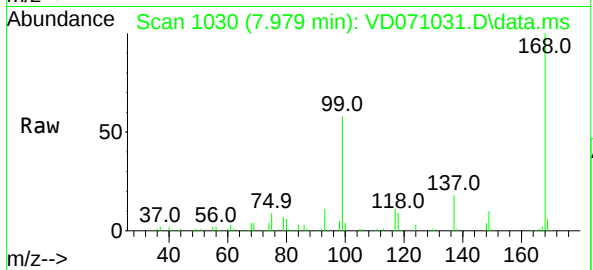
Quant Time: Nov 16 03:21:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
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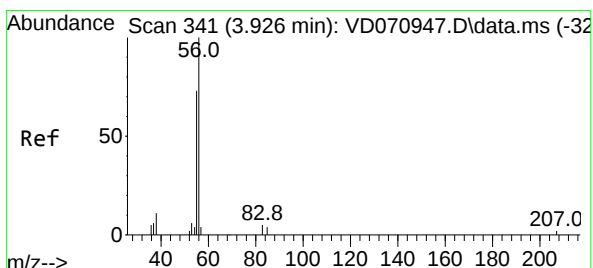
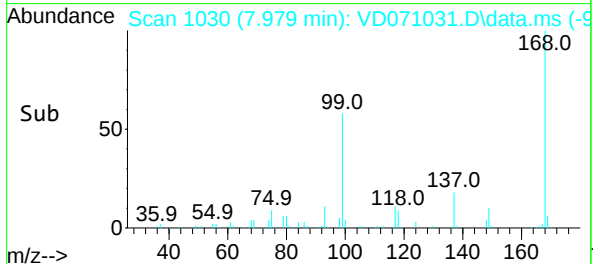
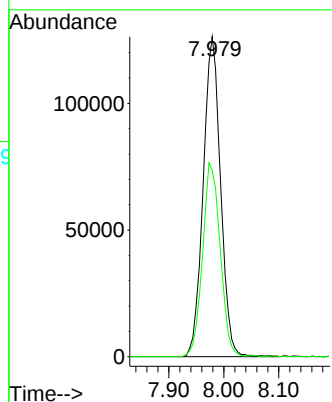


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071031.D
Acq: 15 Nov 2021 16:40

Instrument :
MSVOA_D
ClientSampleId :

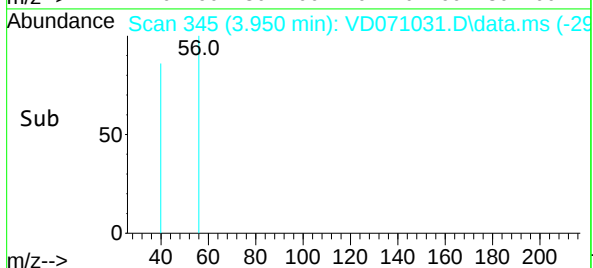
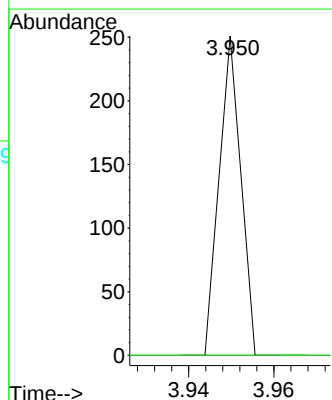
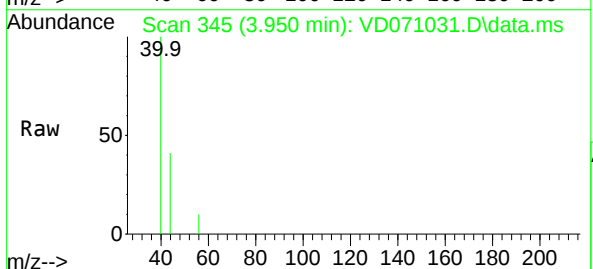


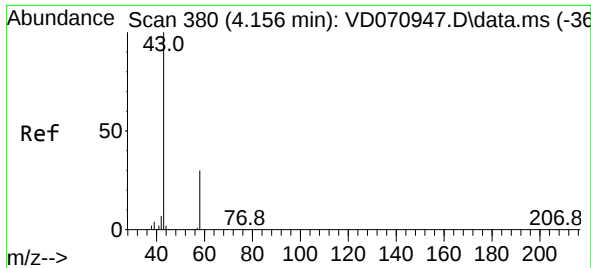
Tgt Ion:168 Resp: 277535
Ion Ratio Lower Upper
168 100
99 58.2 46.6 69.8



#13
Acrolein
Concen: Below Cal
RT: 3.950 min Scan# 345
Delta R.T. 0.024 min
Lab File: VD071031.D
Acq: 15 Nov 2021 16:40

Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

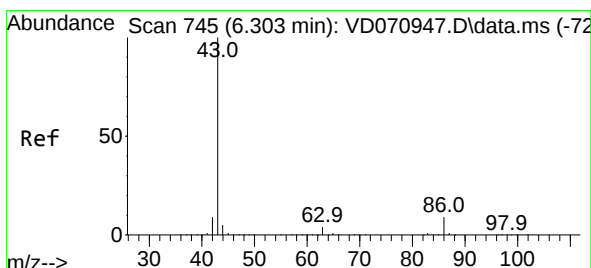
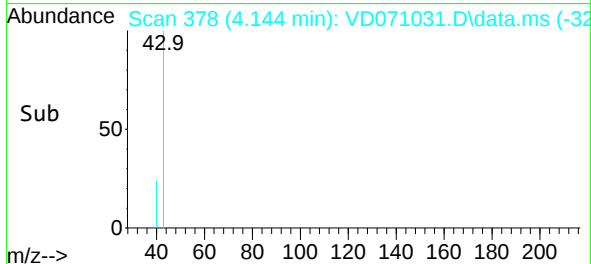
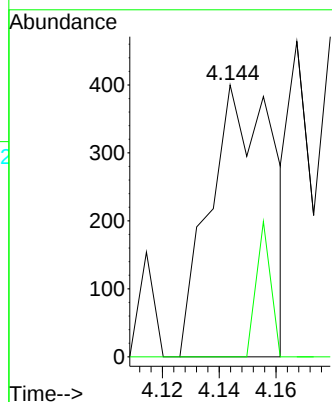
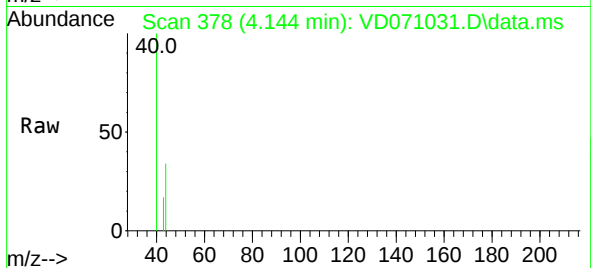




#16
Acetone
Concen: 20.516 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD071031.D
Acq: 15 Nov 2021 16:40

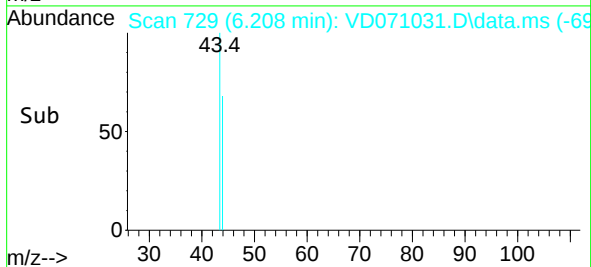
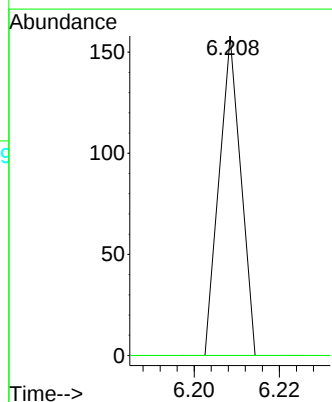
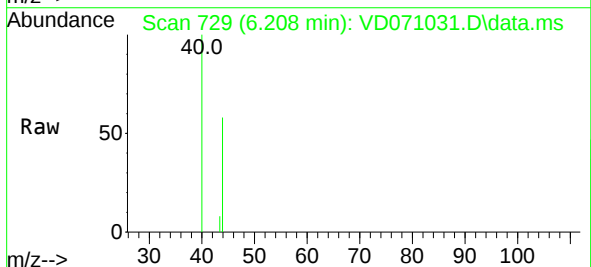
Instrument :
MSVOA_D
ClientSampleId :

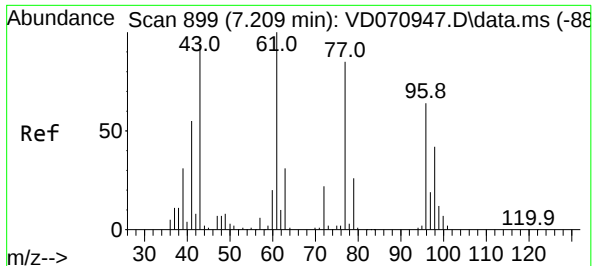
Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#23
Vinyl Acetate
Concen: 20.991 ug/l
RT: 6.208 min Scan# 729
Delta R.T. -0.095 min
Lab File: VD071031.D
Acq: 15 Nov 2021 16:40

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#





#25

2-Butanone

Concen: 20.426 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.011 min

Lab File: VD071031.D

Acq: 15 Nov 2021 16:40

Instrument :

MSVOA_D

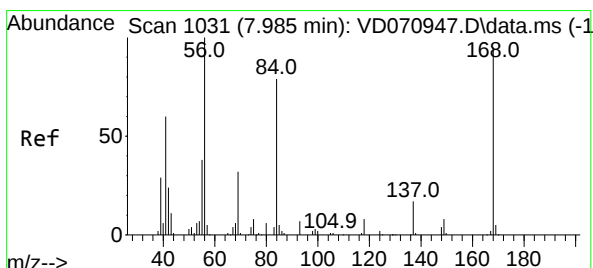
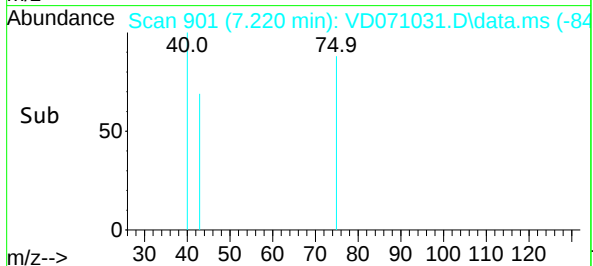
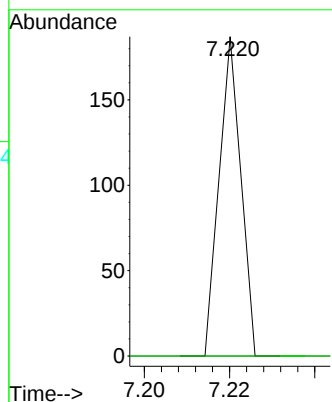
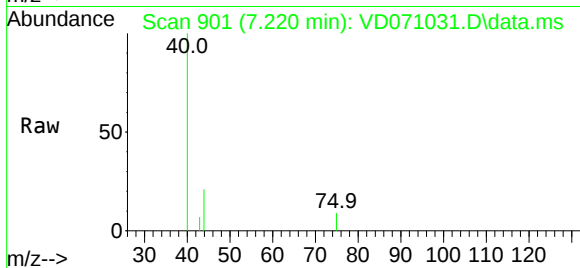
ClientSampleId :

Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#31

Cyclohexane

Concen: 1.226 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071031.D

Acq: 15 Nov 2021 16:40

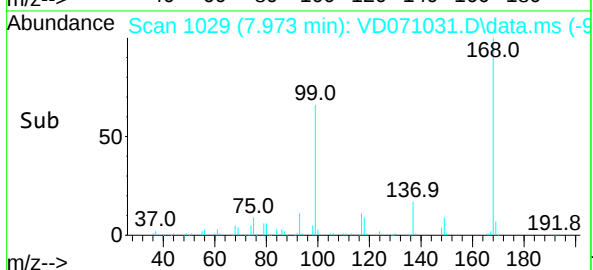
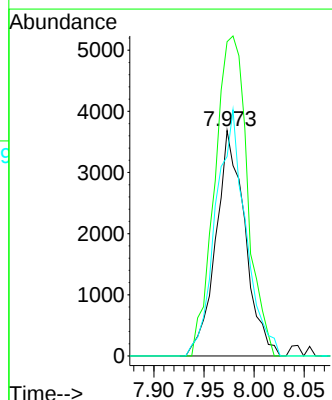
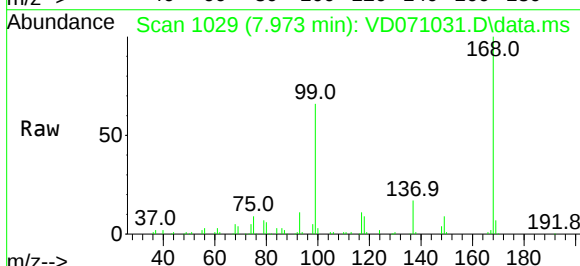
Tgt Ion: 56 Resp: 7448

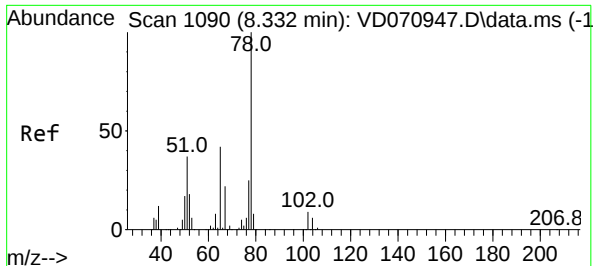
Ion Ratio Lower Upper

56 100

69 139.4 25.9 38.9#

84 88.4 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 56.319 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD071031.D

Acq: 15 Nov 2021 16:40

Instrument :

MSVOA_D

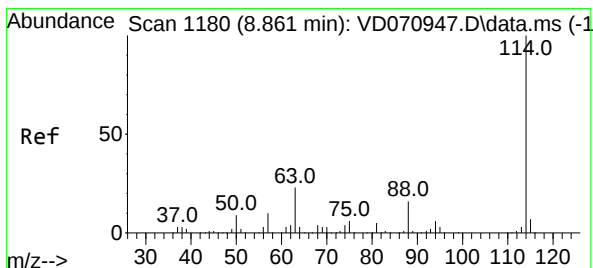
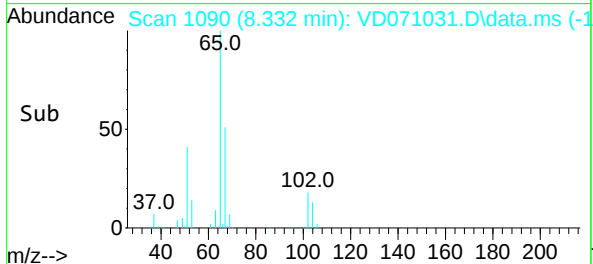
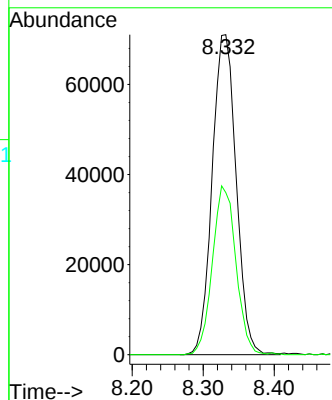
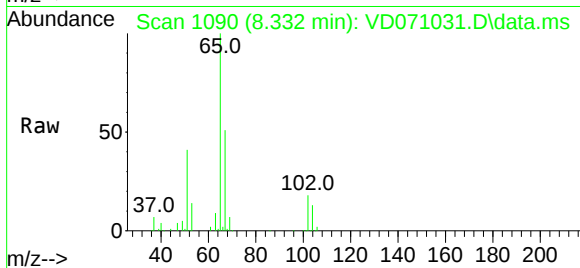
ClientSampleId :

Tgt Ion: 65 Resp: 166419

Ion Ratio Lower Upper

65 100

67 51.7 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: VD071031.D

Acq: 15 Nov 2021 16:40

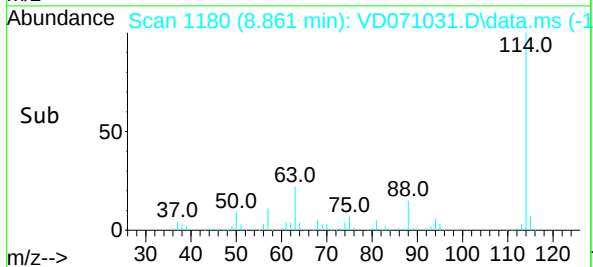
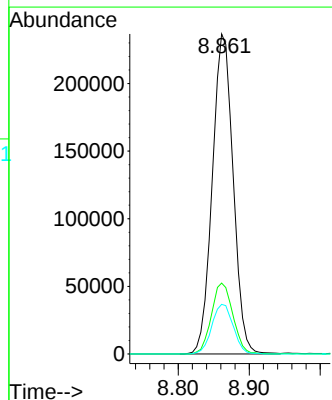
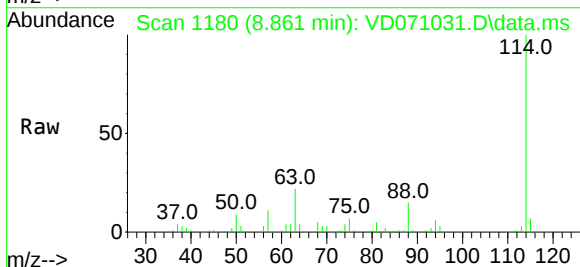
Tgt Ion: 114 Resp: 481458

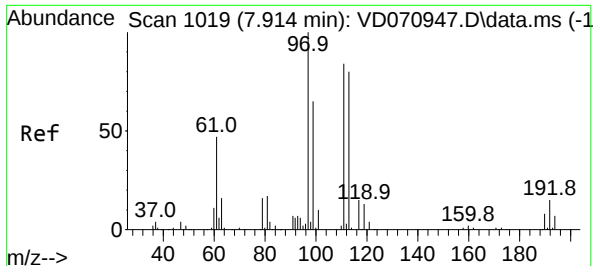
Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

88 15.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 56.168 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

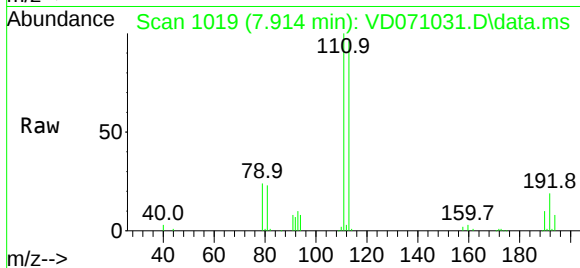
Lab File: VD071031.D

Acq: 15 Nov 2021 16:40

Instrument :

MSVOA_D

ClientSampleId :



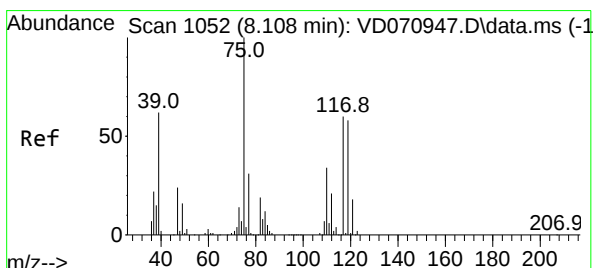
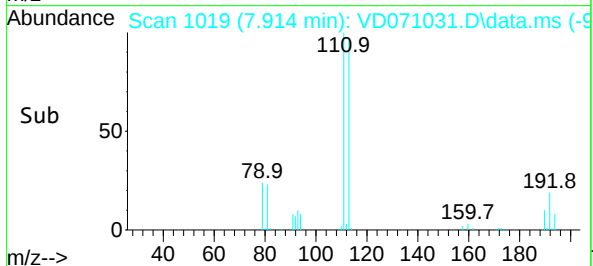
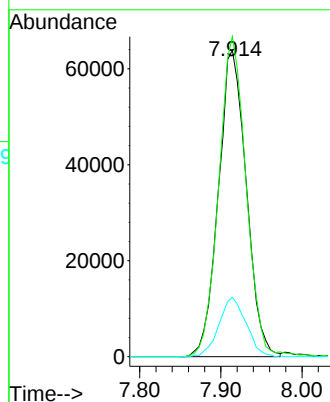
Tgt Ion:113 Resp: 152595

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

192 18.8 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.633 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD071031.D

Acq: 15 Nov 2021 16:40

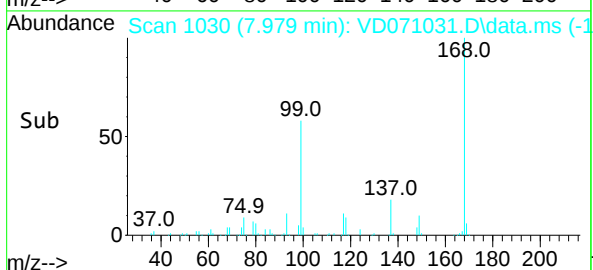
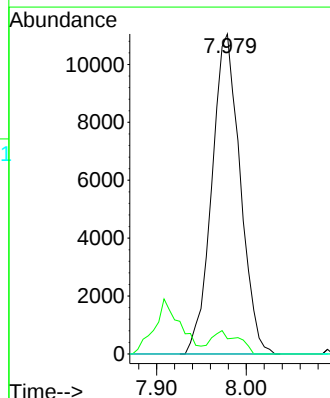
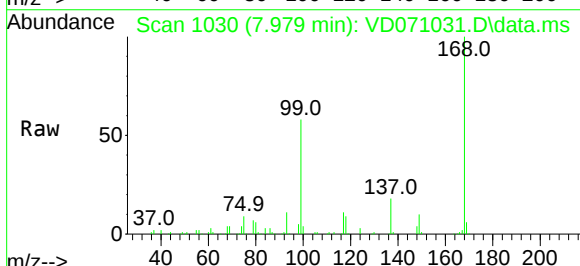
Tgt Ion: 75 Resp: 24213

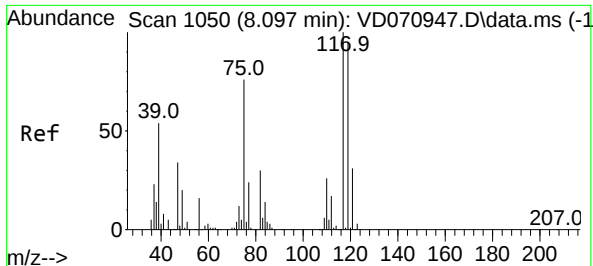
Ion Ratio Lower Upper

75 100

110 6.9 17.8 53.4#

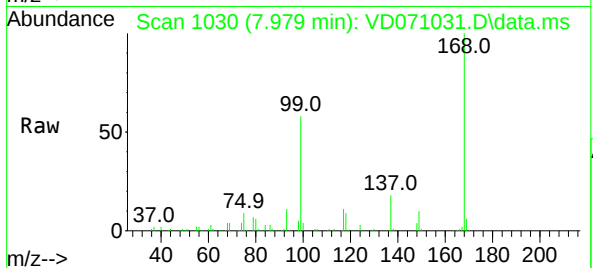
77 0.0 24.8 37.2#



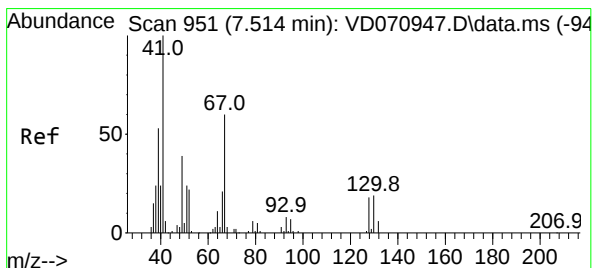
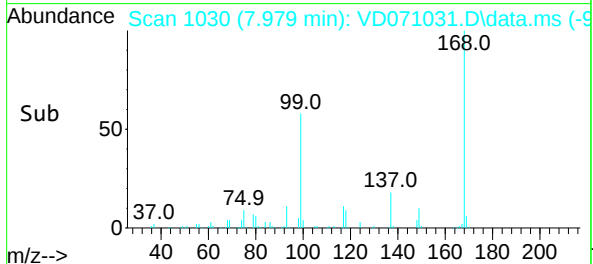
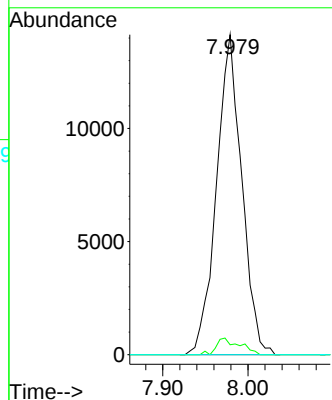


#38
Carbon Tetrachloride
Concen: 7.372 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071031.D
Acq: 15 Nov 2021 16:40

Instrument :
MSVOA_D
ClientSampleId :

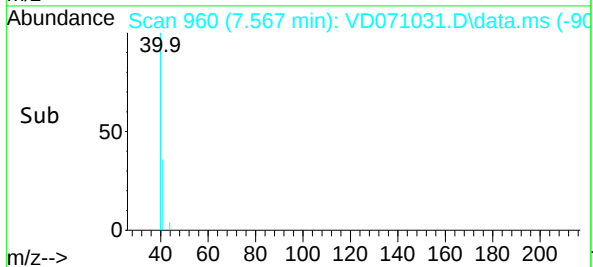
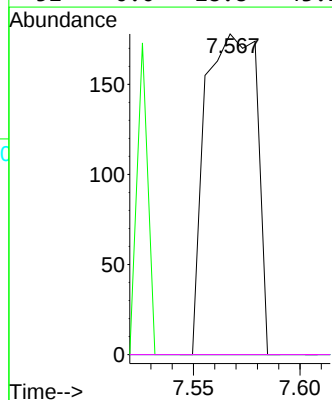
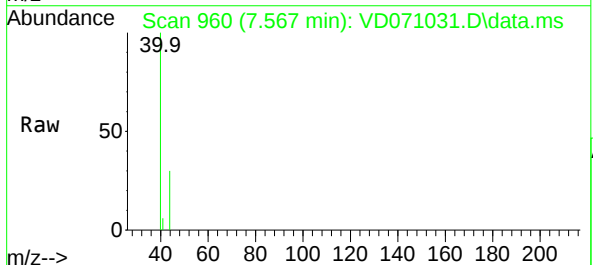


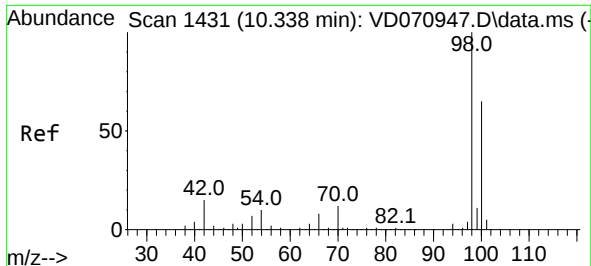
Tgt Ion:117 Resp: 29184
Ion Ratio Lower Upper
117 100
119 3.1 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 3.697 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.053 min
Lab File: VD071031.D
Acq: 15 Nov 2021 16:40

Tgt Ion: 41 Resp: 297
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#

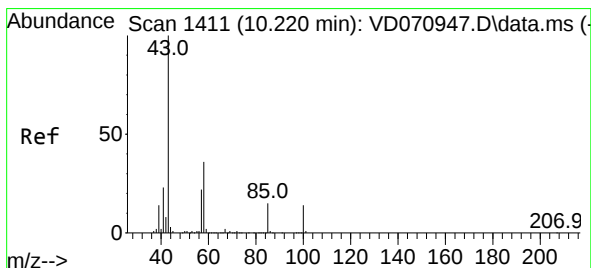
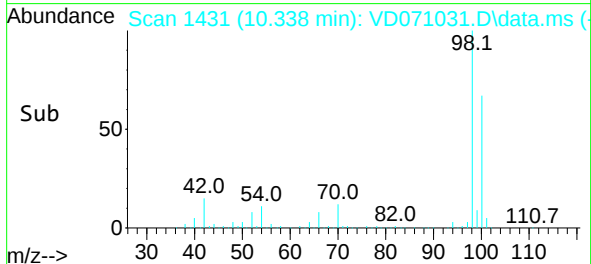
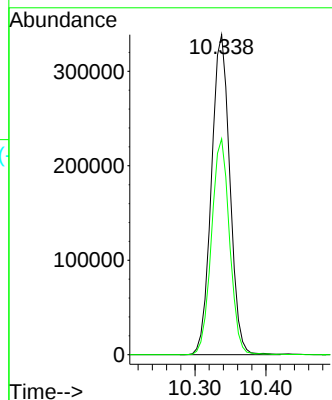
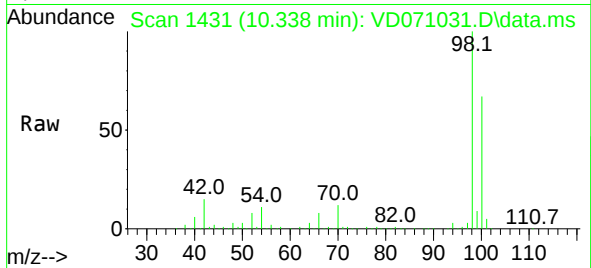




#50
Toluene-d8
Concen: 57.337 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071031.D
Acq: 15 Nov 2021 16:40

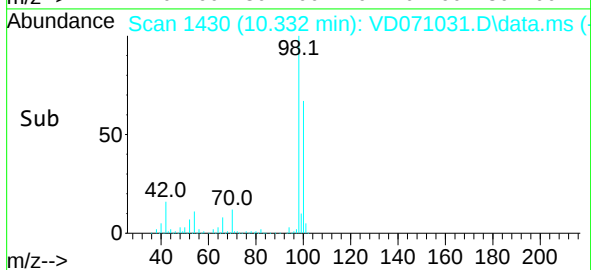
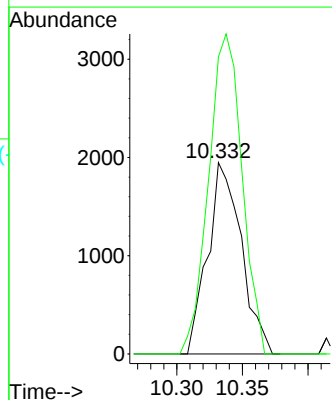
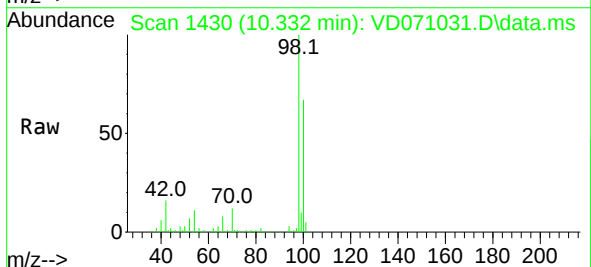
Instrument :
MSVOA_D
ClientSampleId :

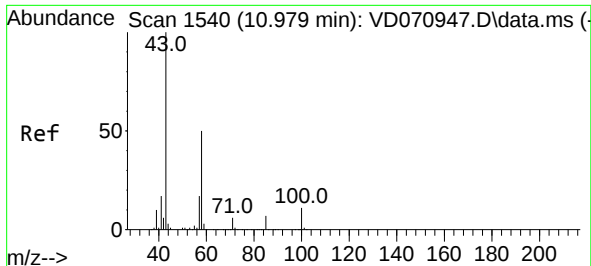
Tgt Ion: 98 Resp: 610036
Ion Ratio Lower Upper
98 100
100 66.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.725 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD071031.D
Acq: 15 Nov 2021 16:40

Tgt Ion: 43 Resp: 3471
Ion Ratio Lower Upper
43 100
58 166.8 33.1 49.7#

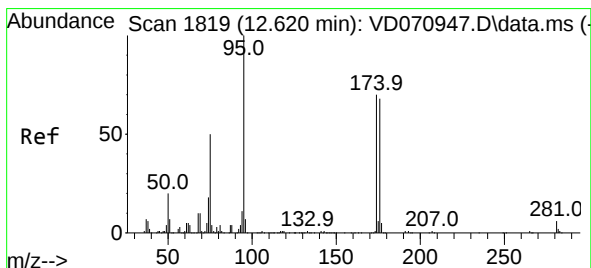
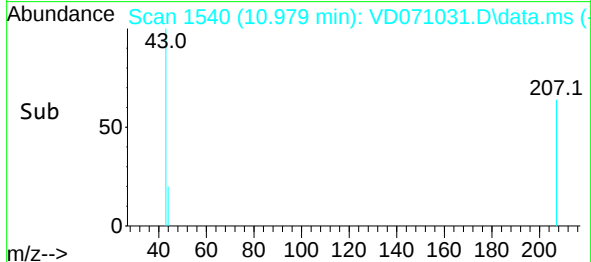
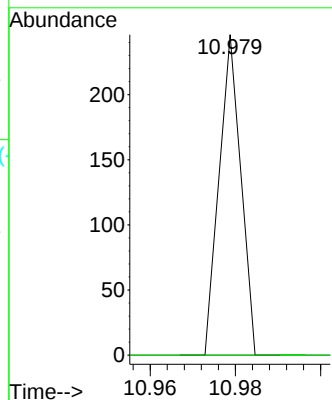
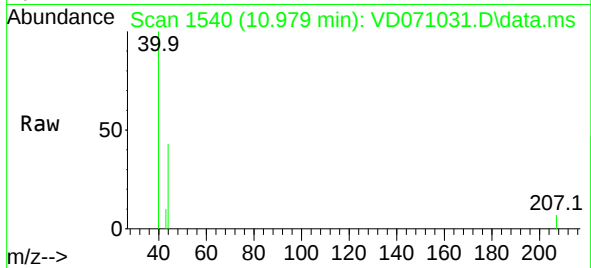




#59
2-Hexanone
Concen: 15.987 ug/l
RT: 10.979 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071031.D
Acq: 15 Nov 2021 16:40

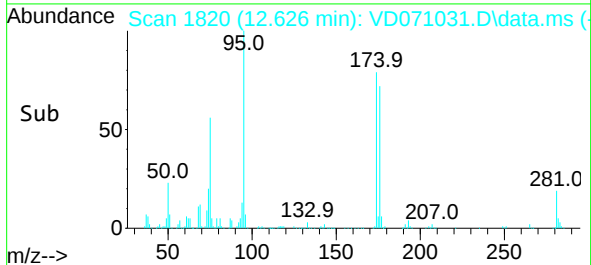
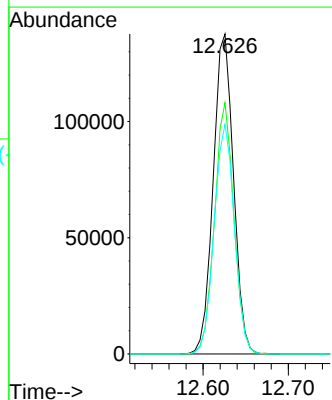
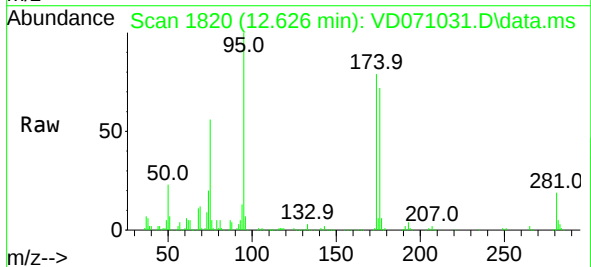
Instrument :
MSVOA_D
ClientSampleId :

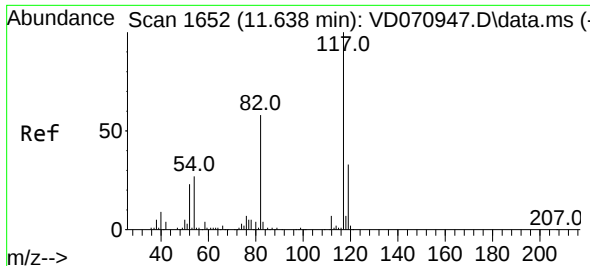
Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 59.469 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD071031.D
Acq: 15 Nov 2021 16:40

Tgt Ion: 95 Resp: 227817
Ion Ratio Lower Upper
95 100
174 75.4 0.0 159.4
176 71.9 0.0 154.0

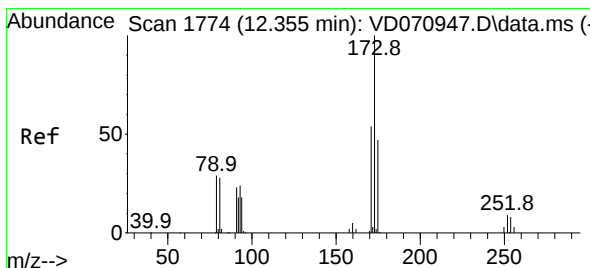
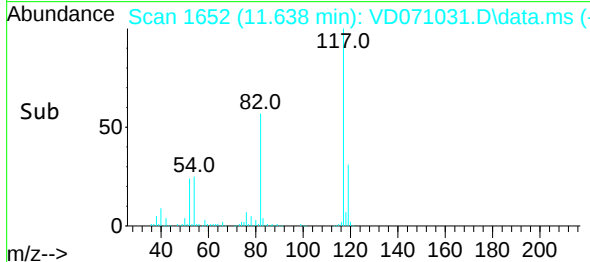
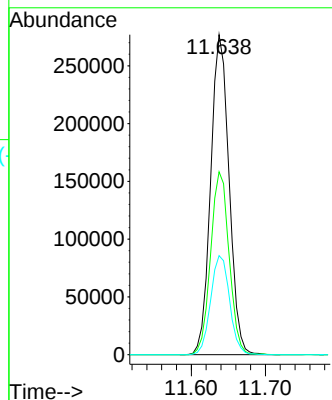
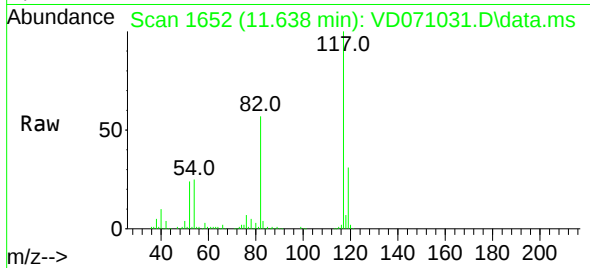




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071031.D
Acq: 15 Nov 2021 16:40

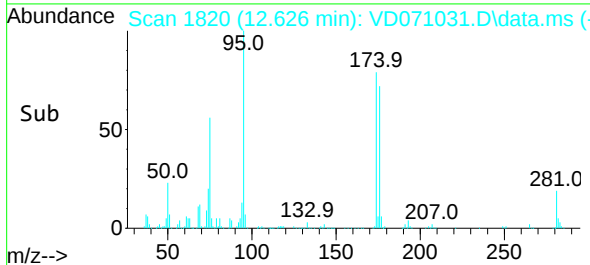
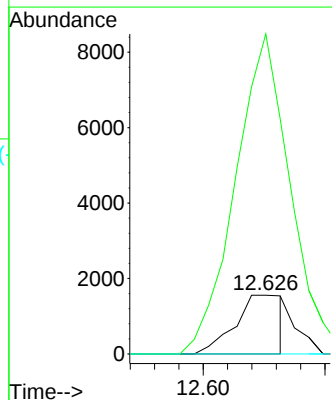
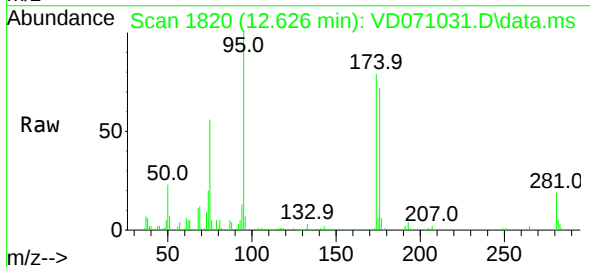
Instrument :
MSVOA_D
ClientSampleId :

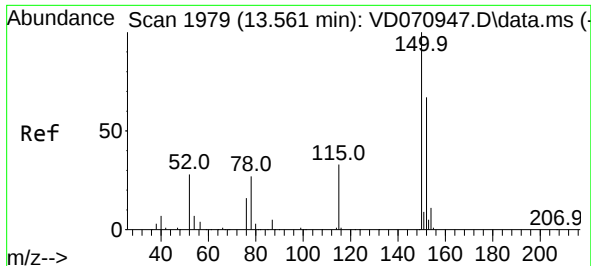
Tgt Ion:117 Resp: 476989
Ion Ratio Lower Upper
117 100
82 57.2 44.7 67.1
119 31.0 26.2 39.4



#71
Bromoform
Concen: 1.368 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071031.D
Acq: 15 Nov 2021 16:40

Tgt Ion:173 Resp: 2155
Ion Ratio Lower Upper
173 100
175 506.4 24.1 72.2#
254 0.0 0.1 0.1#

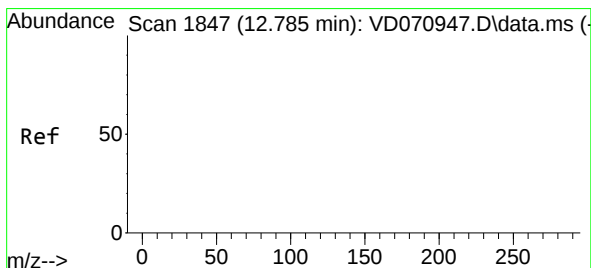
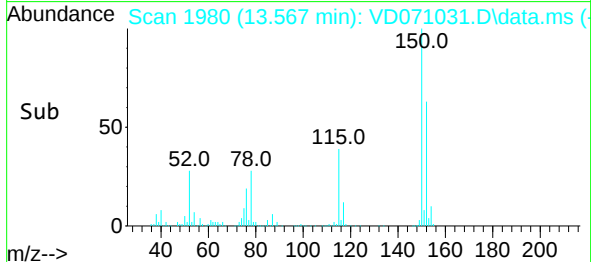
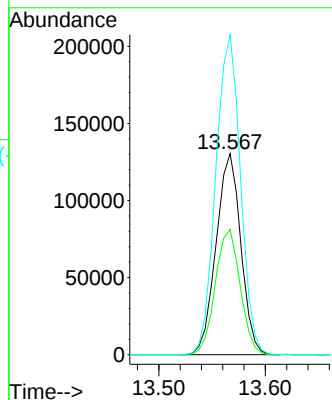
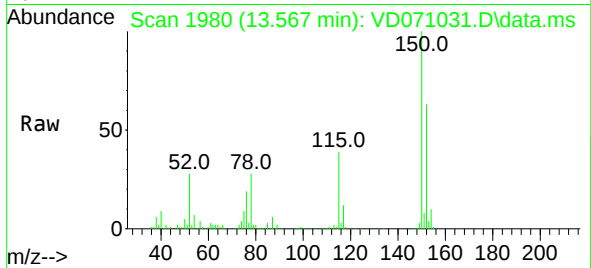




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1979
 Delta R.T. 0.006 min
 Lab File: VD071031.D
 Acq: 15 Nov 2021 16:40

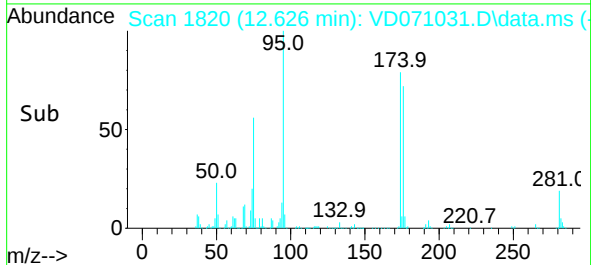
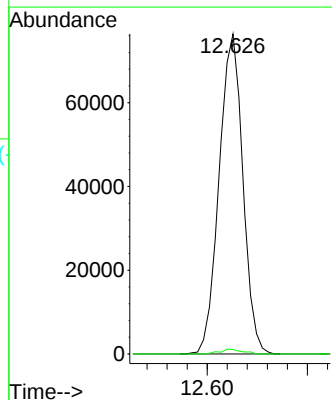
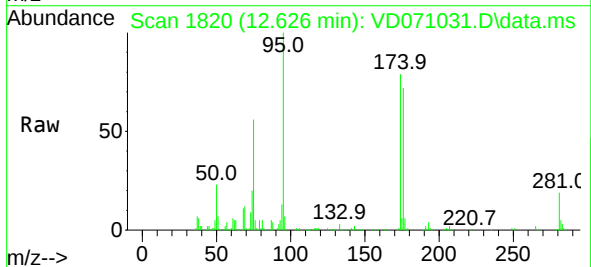
Instrument :
 MSVOA_D
 ClientSampleId :

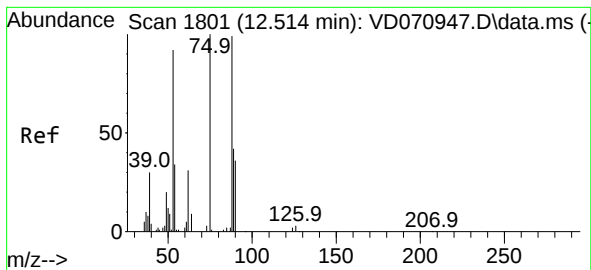
Tgt Ion:152 Resp: 209993
 Ion Ratio Lower Upper
 152 100
 115 62.5 29.8 89.3
 150 159.0 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 69.878 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.159 min
 Lab File: VD071031.D
 Acq: 15 Nov 2021 16:40

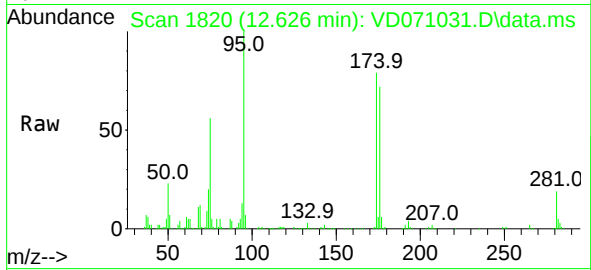
Tgt Ion: 75 Resp: 125345
 Ion Ratio Lower Upper
 75 100
 77 1.4 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.931 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VD071031.D
 Acq: 15 Nov 2021 16:40

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 125345
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.2 34.5 51.7#

