

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD070987.D
 Acq On : 11 Nov 2021 13:06
 Operator : VA/SY
 Sample : M4574-06
 Misc : 5.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 07:59:45 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)

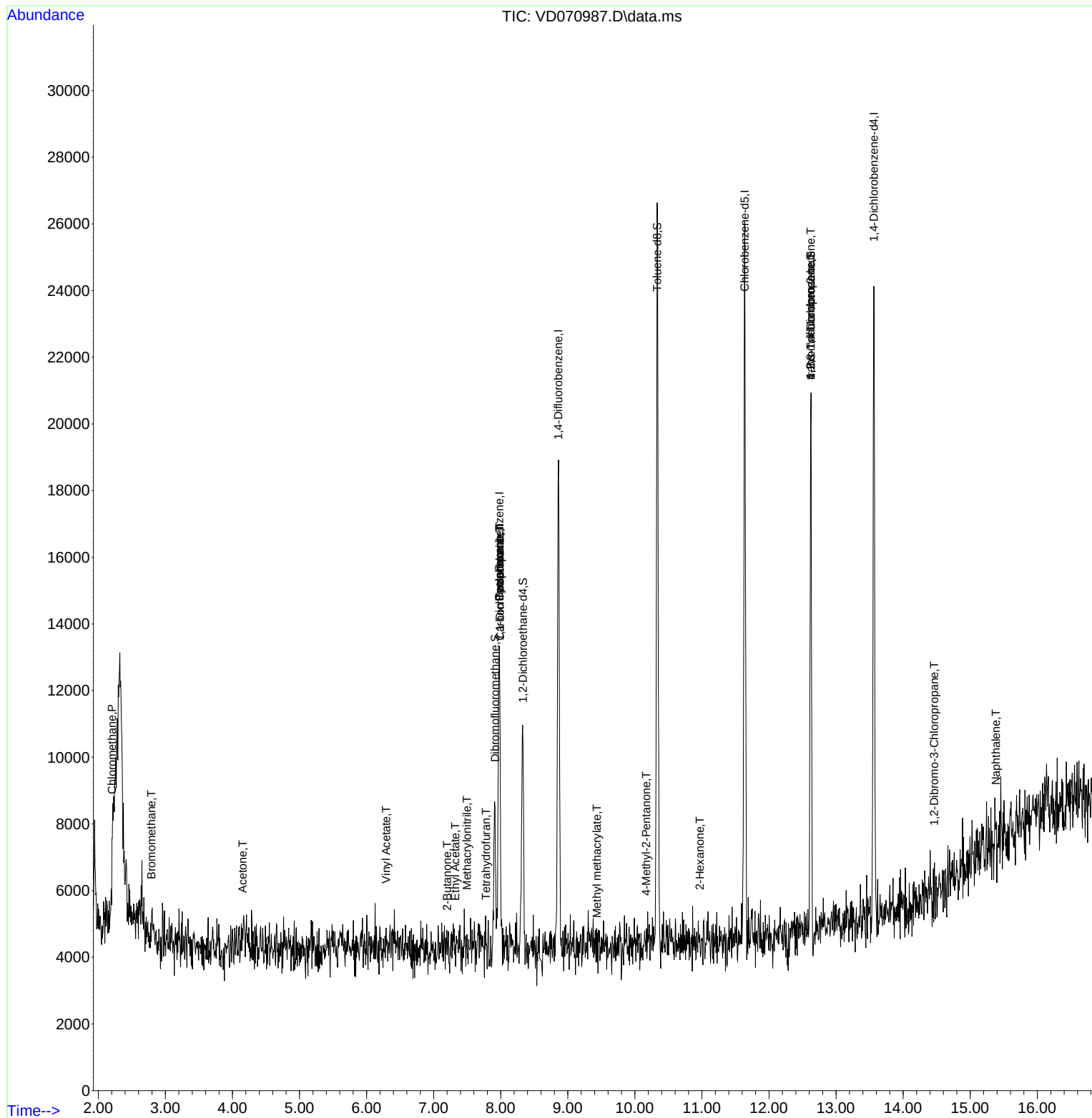
Internal Standards						
1) Pentafluorobenzene	7.979	168	6768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	12574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	11128	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	4697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	4794	66.529	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.060%	
35) Dibromofluoromethane	7.914	113	3049	42.972	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 85.940%	
50) Toluene-d8	10.332	98	14149	50.920	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.840%	
62) 4-Bromofluorobenzene	12.620	95	5676	56.732	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	191	2.776	ug/l #	42
5) Bromomethane	2.791	94	421	9.334	ug/l #	3
16) Acetone	4.150	43	1503	90.916	ug/l #	40
23) Vinyl Acetate	6.291	43	58	21.356	ug/l #	72
25) 2-Butanone	7.203	43	231	28.805	ug/l #	45
29) Tetrahydrofuran	7.779	42	121	8.264	ug/l #	34
31) Cyclohexane	7.979	56	289	1.950	ug/l #	73
36) 1,1-Dichloropropene	7.985	75	659	5.870	ug/l #	41
37) Ethyl Acetate	7.320	43	117	2.284	ug/l #	66
38) Carbon Tetrachloride	7.985	117	612	5.920	ug/l #	12
41) Methacrylonitrile	7.497	41	102	6.020	ug/l #	35
48) Methyl methacrylate	9.432	41	214	4.024	ug/l #	15
51) 4-Methyl-2-Pentanone	10.167	43	114	2.169	ug/l #	34
59) 2-Hexanone	10.967	43	120	18.669	ug/l #	22
76) 1,2,3-Trichloropropane	12.620	75	2709	67.519	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	2709	124.692	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.461	75	58	6.072	ug/l #	4
95) Naphthalene	15.385	128	286	1.911	ug/l #	69

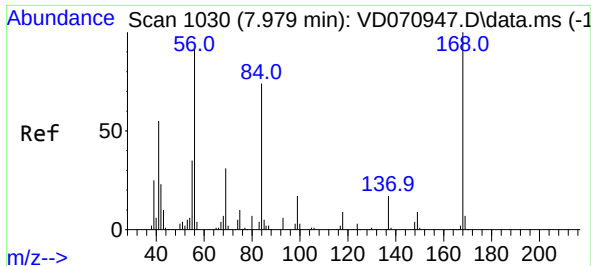
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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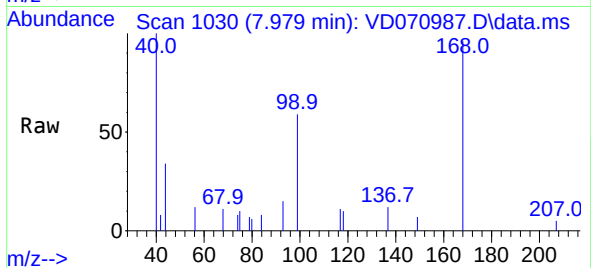
Quant Time: Nov 12 07:59:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
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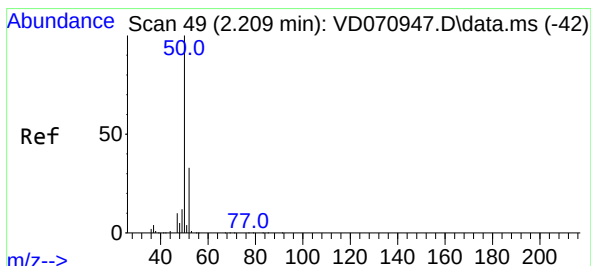
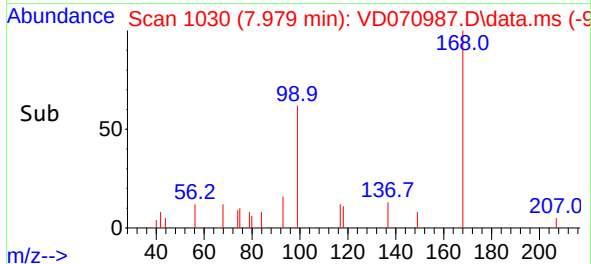
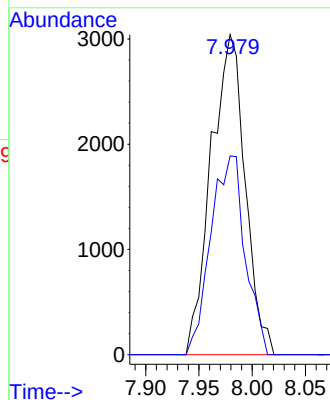


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

Instrument :
MSVOA_D
ClientSampleId :

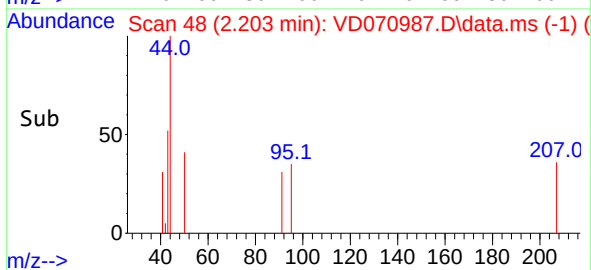
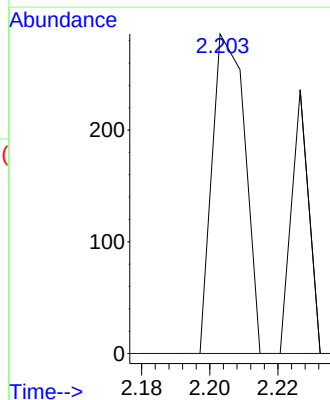
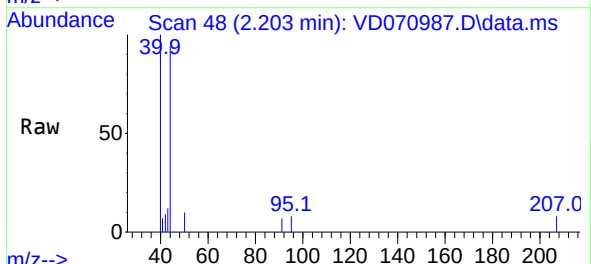


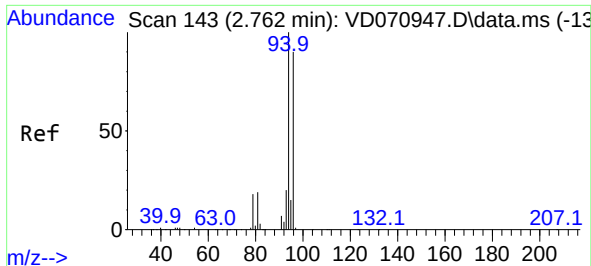
Tgt Ion:168 Resp: 6768
Ion Ratio Lower Upper
168 100
99 62.1 46.6 69.8



#3
Chloromethane
Concen: 2.776 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

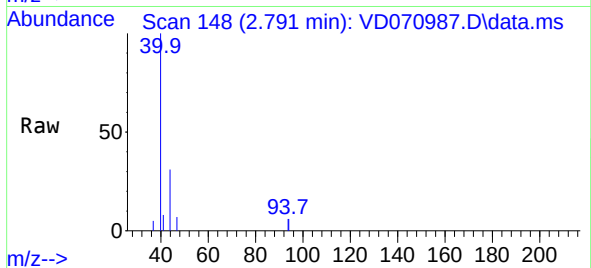
Tgt Ion: 50 Resp: 191
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



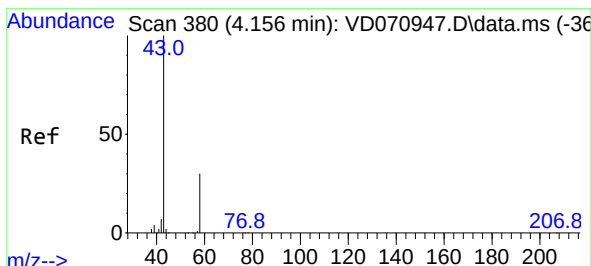
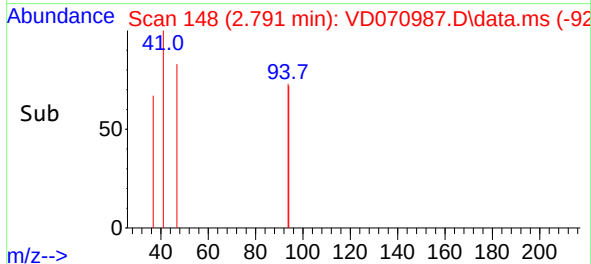
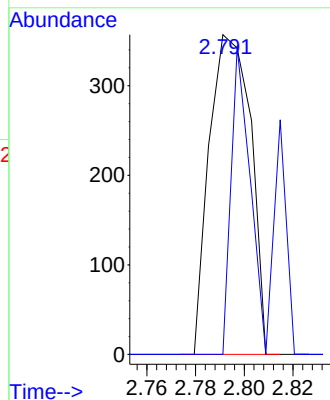


#5
Bromomethane
Concen: 9.334 ug/l
RT: 2.791 min Scan# 14
Delta R.T. 0.029 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

Instrument :
MSVOA_D
ClientSampleId :

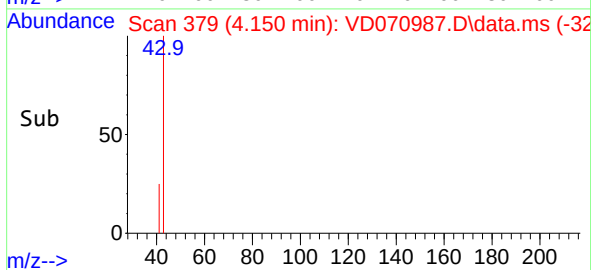
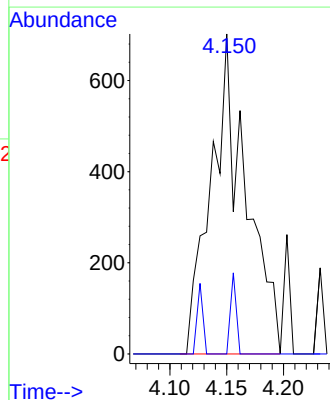
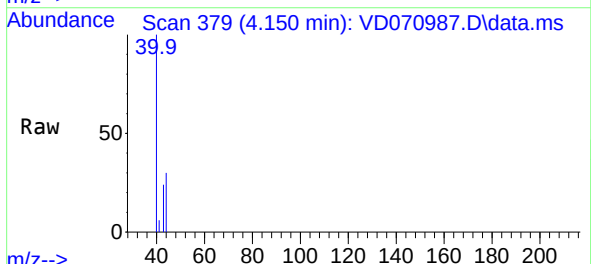


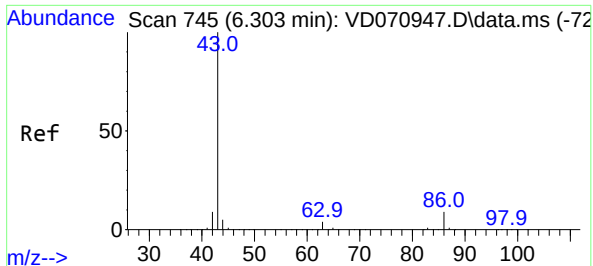
Tgt Ion: 94 Resp: 421
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#16
Acetone
Concen: 90.916 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

Tgt Ion: 43 Resp: 1503
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

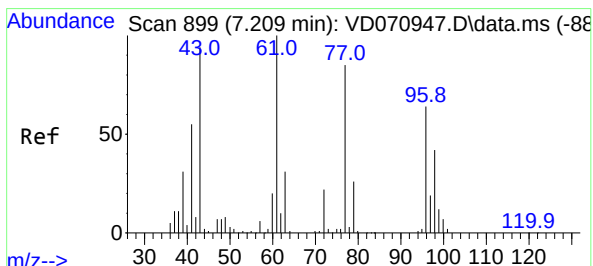
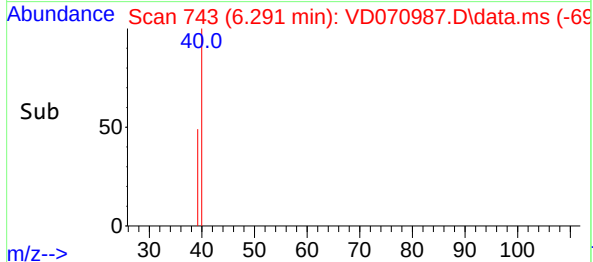
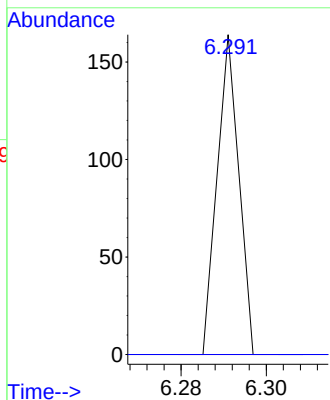
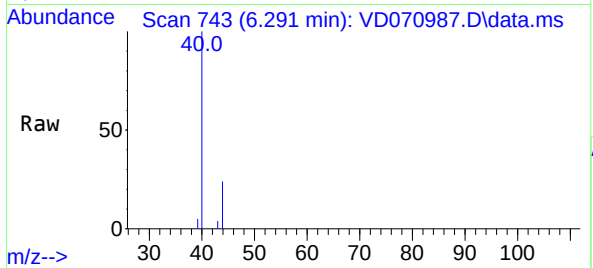




#23
 Vinyl Acetate
 Concen: 21.356 ug/l
 RT: 6.291 min Scan# 745
 Delta R.T. -0.012 min
 Lab File: VD070987.D
 Acq: 11 Nov 2021 13:06

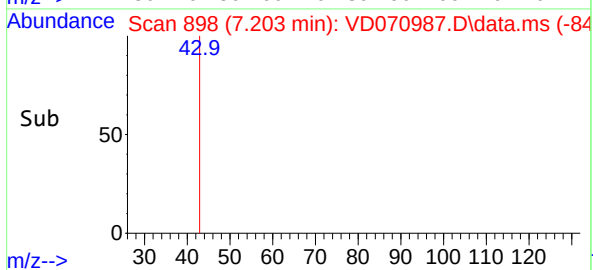
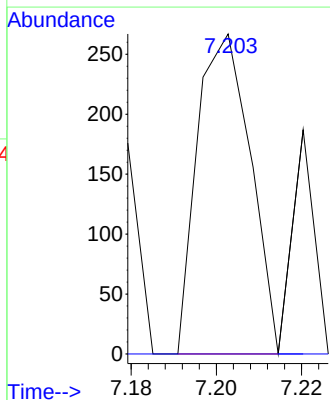
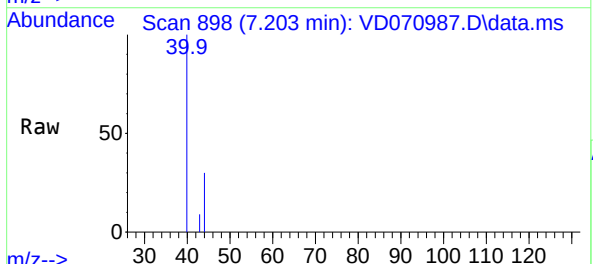
Instrument :
 MSVOA_D
 ClientSampleId :

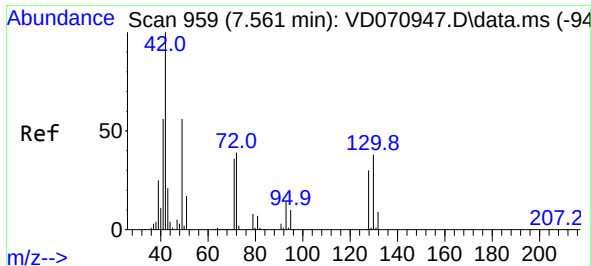
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.805 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.006 min
 Lab File: VD070987.D
 Acq: 11 Nov 2021 13:06

Tgt Ion: 43 Resp: 231
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 8.264 ug/l

RT: 7.779 min Scan# 996

Delta R.T. 0.218 min

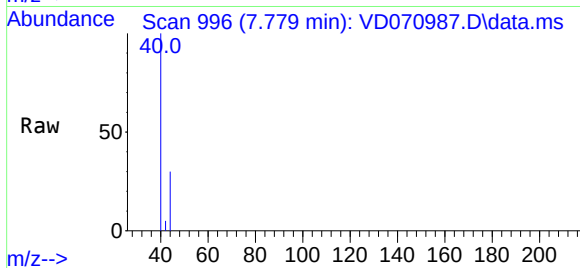
Lab File: VD070987.D

Acq: 11 Nov 2021 13:06

Instrument :

MSVOA_D

ClientSampleId :



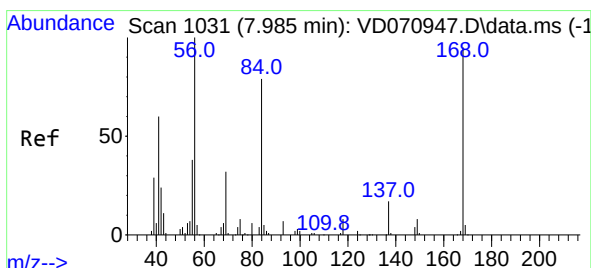
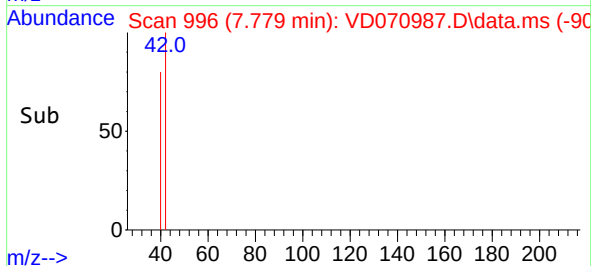
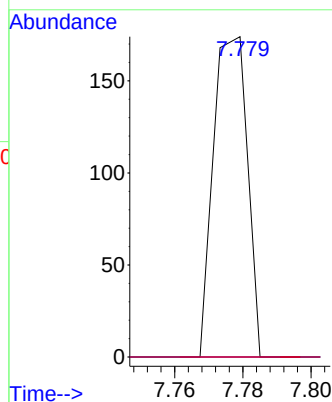
Tgt Ion: 42 Resp: 121

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 32.7 49.1#



#31

Cyclohexane

Concen: 1.950 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD070987.D

Acq: 11 Nov 2021 13:06

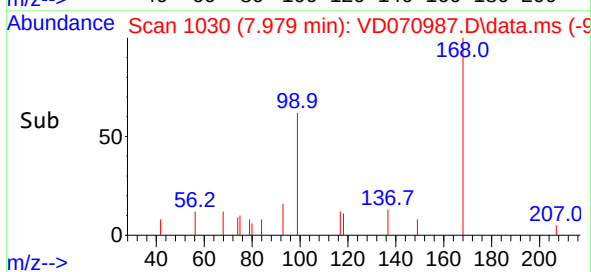
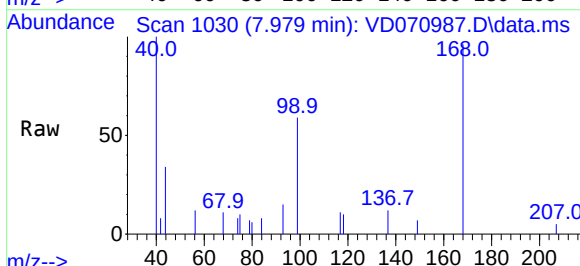
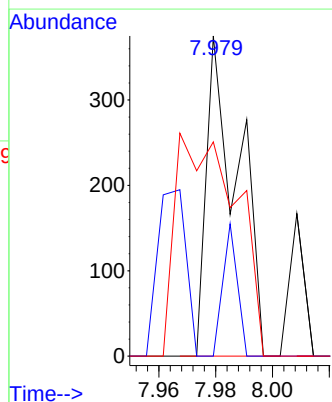
Tgt Ion: 56 Resp: 289

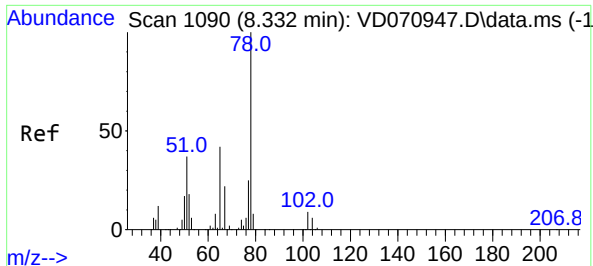
Ion Ratio Lower Upper

56 100

69 0.0 25.9 38.9#

84 66.9 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 66.529 ug/l

RT: 8.332 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD070987.D

Acq: 11 Nov 2021 13:06

Instrument :

MSVOA_D

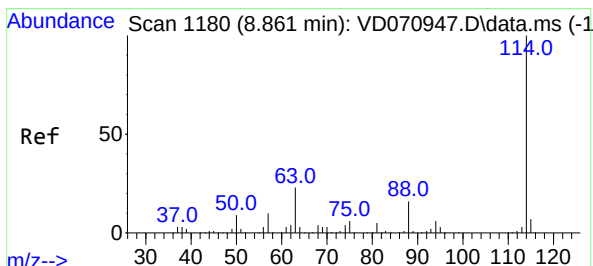
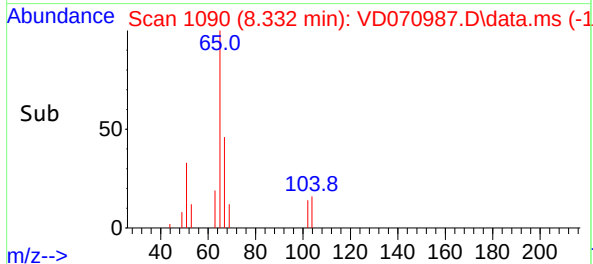
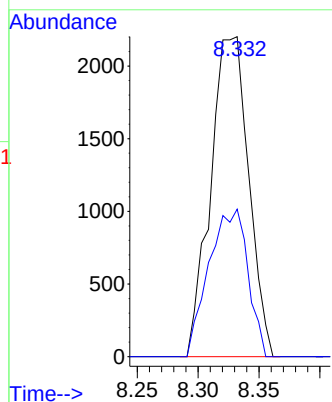
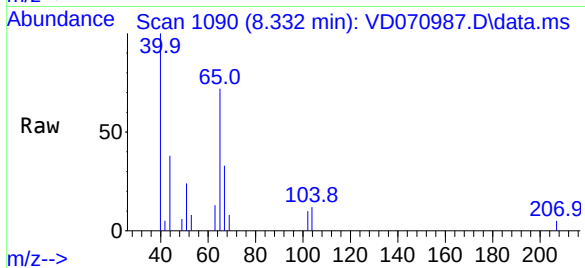
ClientSampleId :

Tgt Ion: 65 Resp: 4794

Ion Ratio Lower Upper

65 100

67 47.0 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.005 min

Lab File: VD070987.D

Acq: 11 Nov 2021 13:06

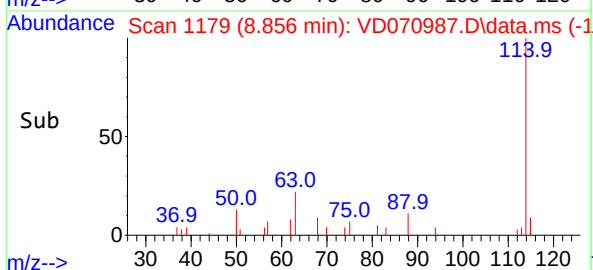
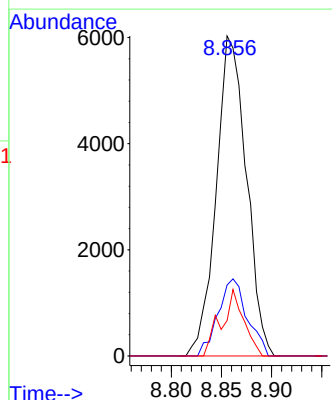
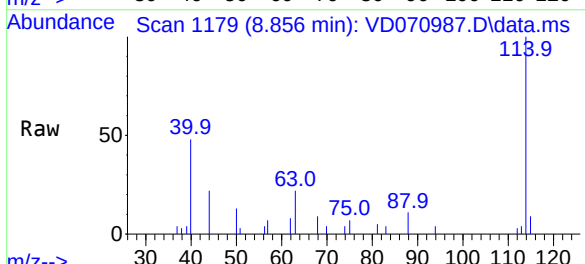
Tgt Ion: 114 Resp: 12574

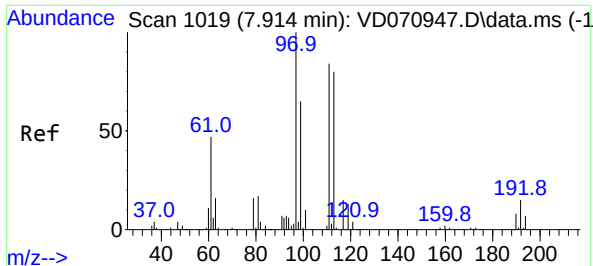
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 11.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 42.972 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070987.D

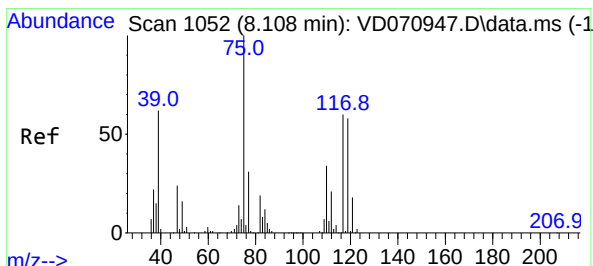
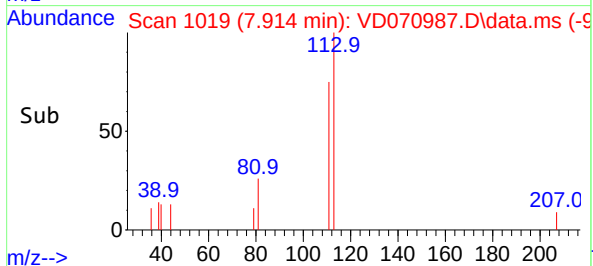
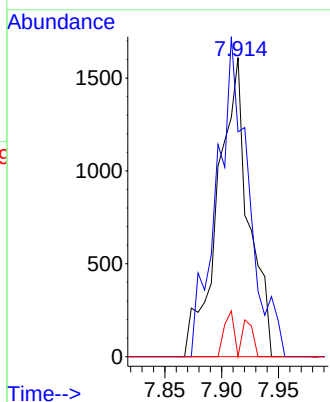
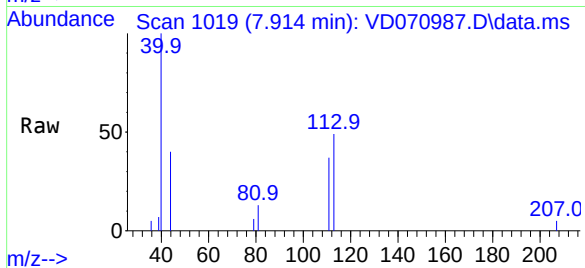
Acq: 11 Nov 2021 13:06

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	113	Resp:	3049
Ion	Ratio	Lower	Upper
113	100		
111	110.4	82.0	123.0
192	4.9	15.2	22.8#



#36

1,1-Dichloropropene

Concen: 5.870 ug/l

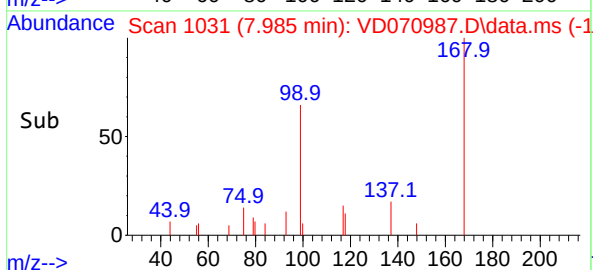
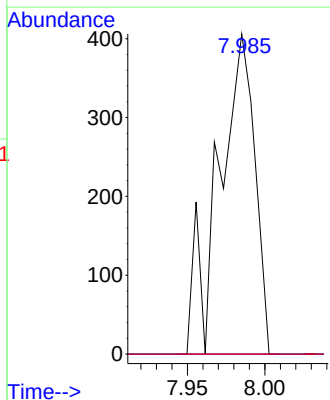
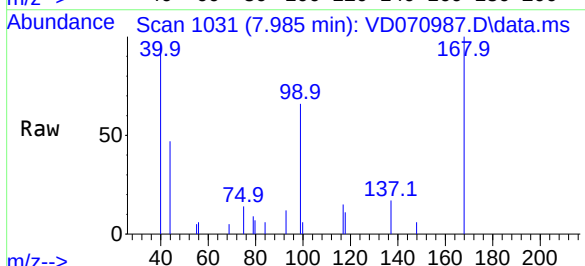
RT: 7.985 min Scan# 1031

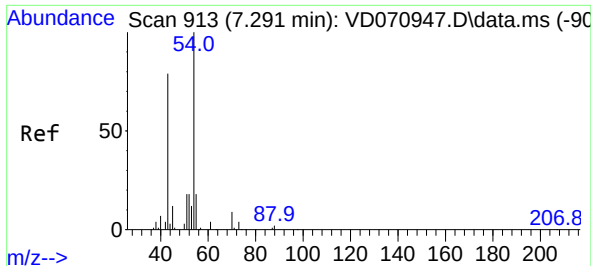
Delta R.T. -0.123 min

Lab File: VD070987.D

Acq: 11 Nov 2021 13:06

Tgt Ion:	75	Resp:	659
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#





#37

Ethyl Acetate

Concen: 2.284 ug/l

RT: 7.320 min Scan# 91

Delta R.T. 0.029 min

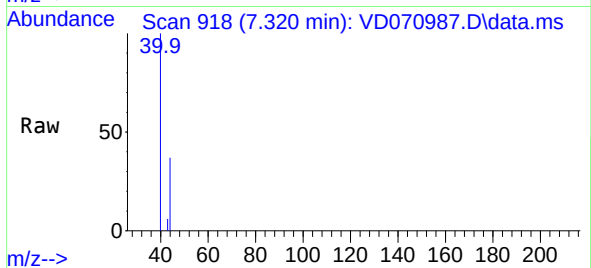
Lab File: VD070987.D

Acq: 11 Nov 2021 13:06

Instrument :

MSVOA_D

ClientSampleId :



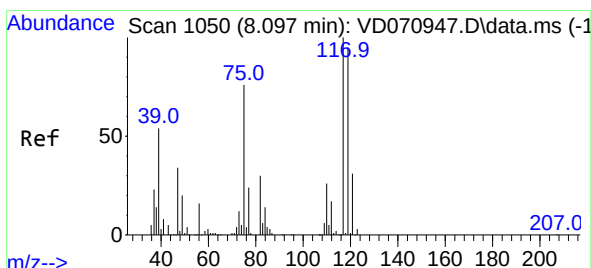
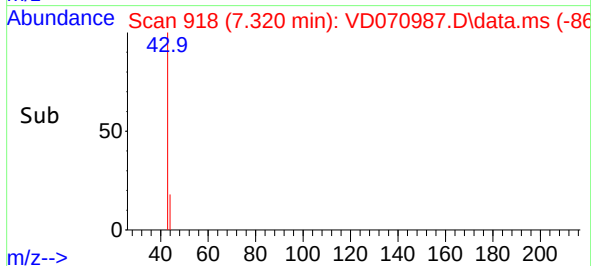
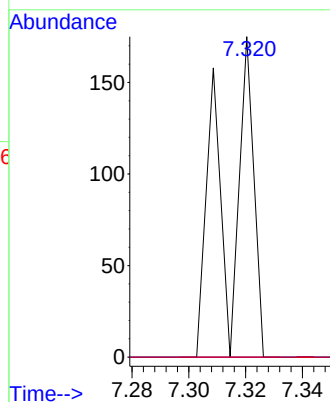
Tgt Ion: 43 Resp: 117

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.6#

70 0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.920 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.112 min

Lab File: VD070987.D

Acq: 11 Nov 2021 13:06

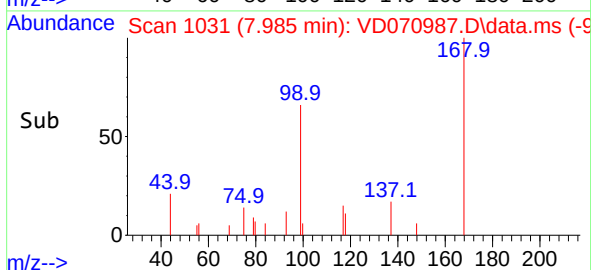
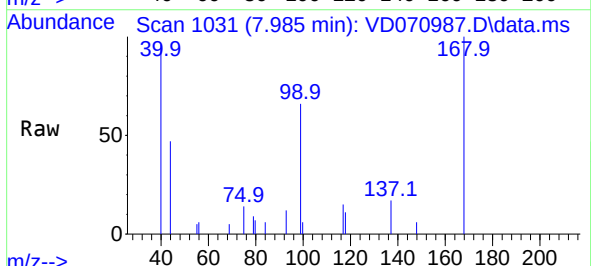
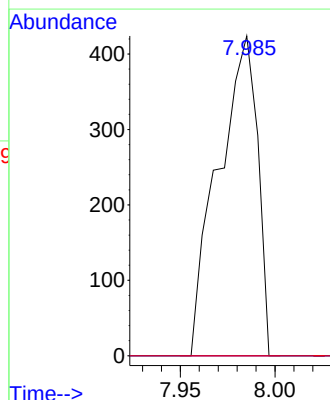
Tgt Ion: 117 Resp: 612

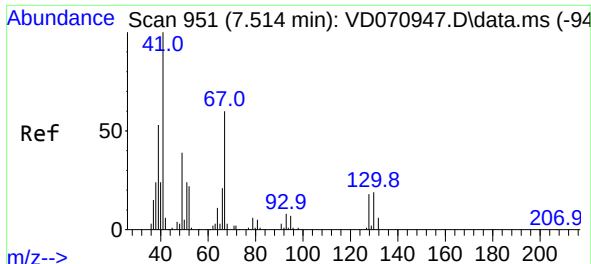
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

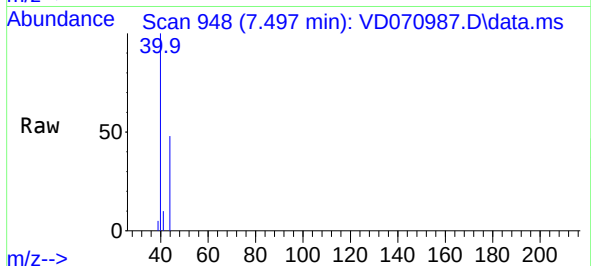
121 0.0 23.6 35.4#



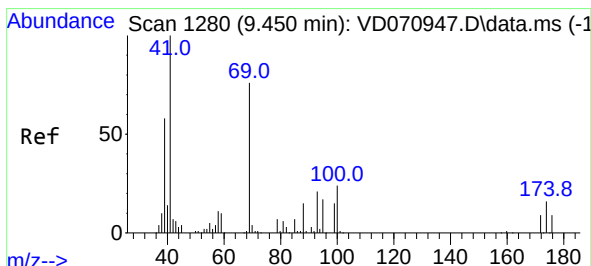
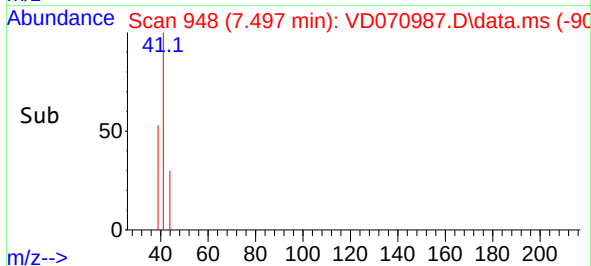
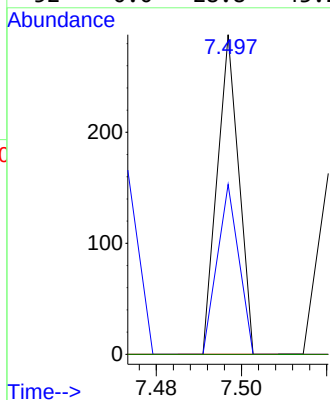


#41
Methacrylonitrile
Concen: 6.020 ug/l
RT: 7.497 min Scan# 94
Delta R.T. -0.017 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

Instrument :
MSVOA_D
ClientSampleId :

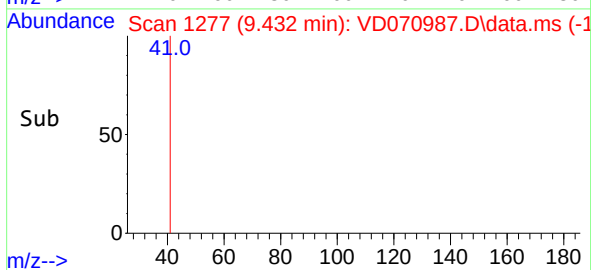
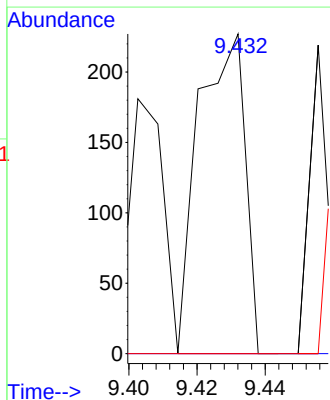
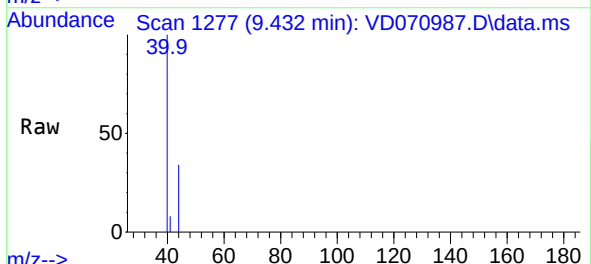


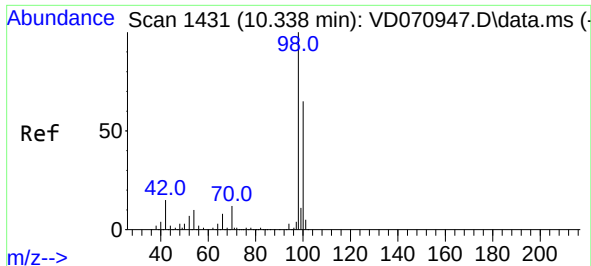
Tgt Ion: 41 Resp: 102
Ion Ratio Lower Upper
41 100
39 52.9 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#



#48
Methyl methacrylate
Concen: 4.024 ug/l
RT: 9.432 min Scan# 1277
Delta R.T. -0.018 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

Tgt Ion: 41 Resp: 214
Ion Ratio Lower Upper
41 100
69 0.0 69.8 104.6#
39 0.0 35.6 53.4#

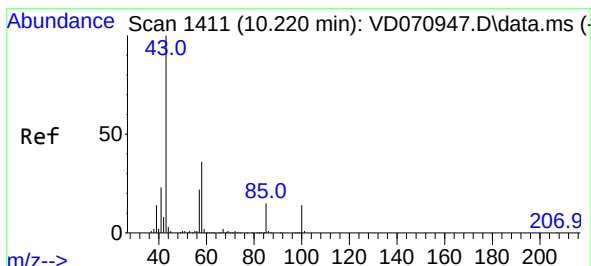
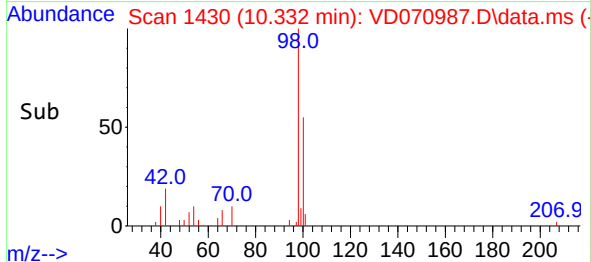
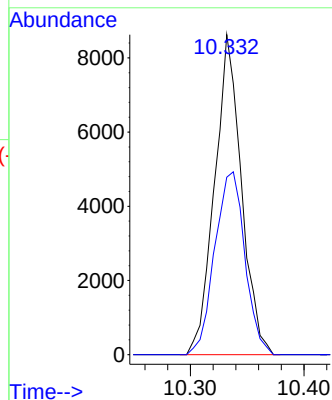
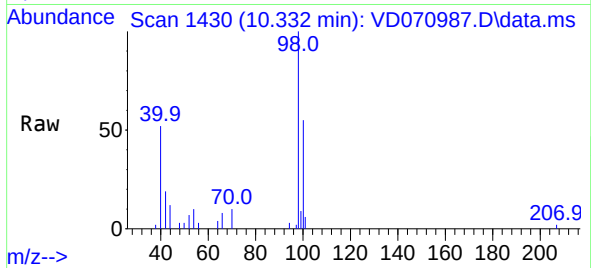




#50
Toluene-d8
Concen: 50.920 ug/l
RT: 10.332 min Scan# 1414
Delta R.T. -0.006 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

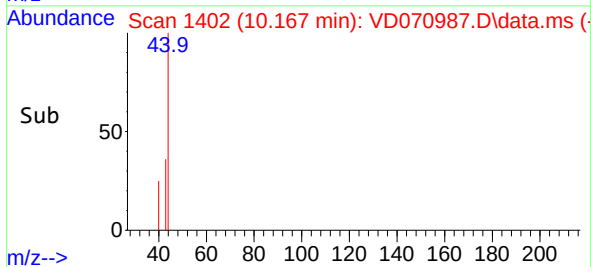
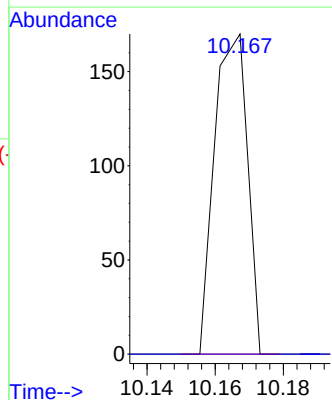
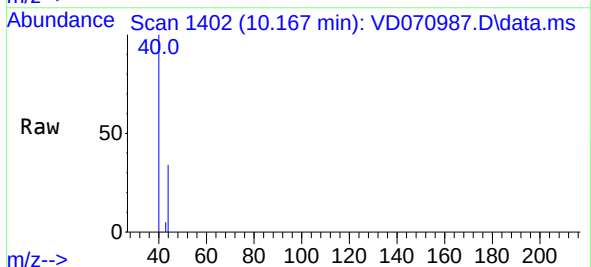
Instrument :
MSVOA_D
ClientSampleId :

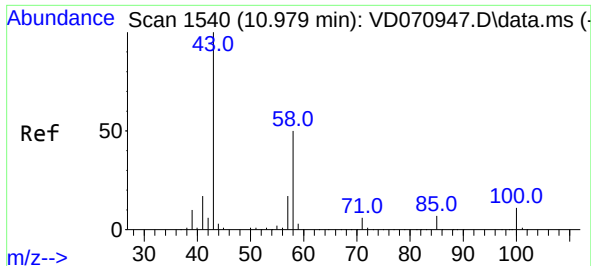
Tgt Ion: 98 Resp: 14149
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.169 ug/l
RT: 10.167 min Scan# 1402
Delta R.T. -0.053 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

Tgt Ion: 43 Resp: 114
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

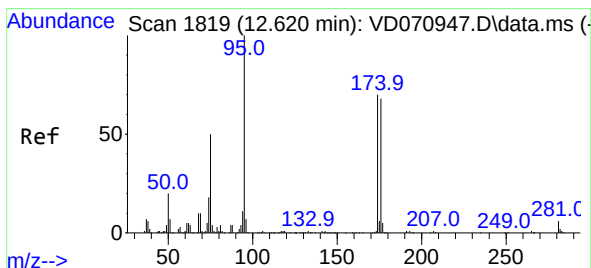
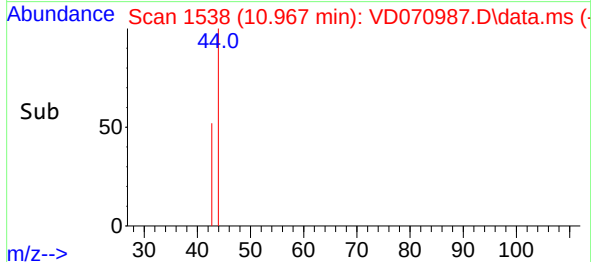
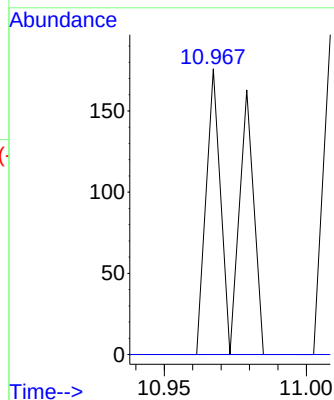
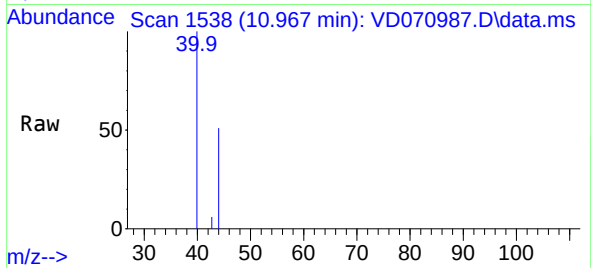




#59
2-Hexanone
Concen: 18.669 ug/l
RT: 10.967 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

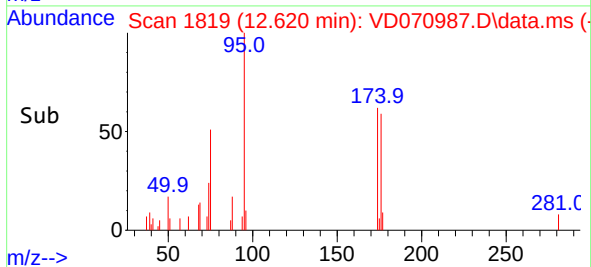
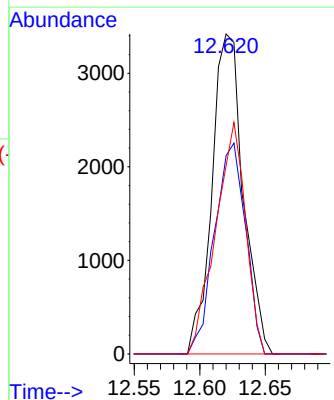
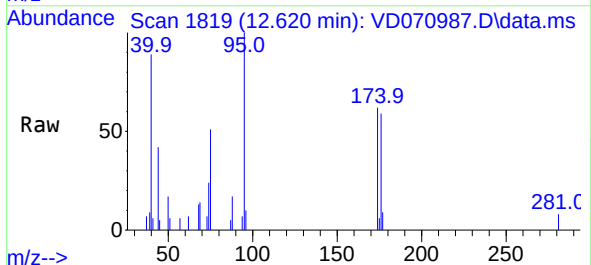
Instrument :
MSVOA_D
ClientSampleId :

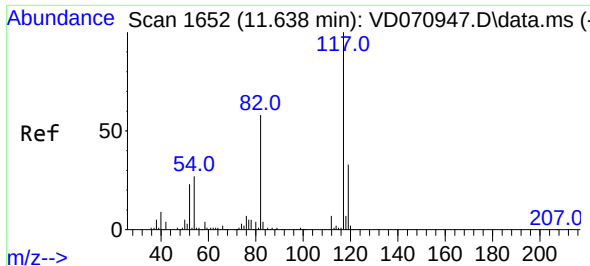
Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 56.732 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

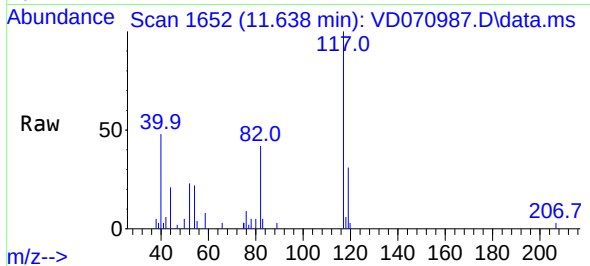
Tgt Ion: 95 Resp: 5676
Ion Ratio Lower Upper
95 100
174 65.5 0.0 159.4
176 69.0 0.0 154.0



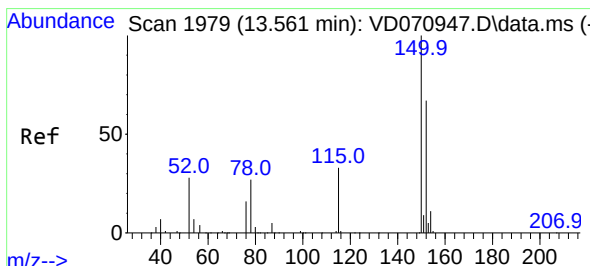
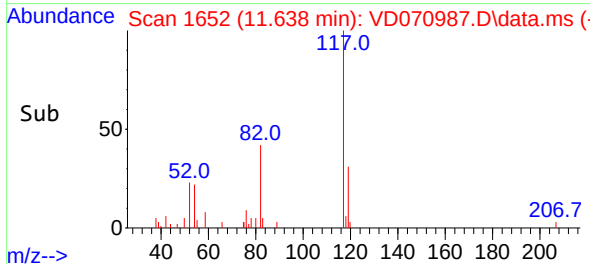
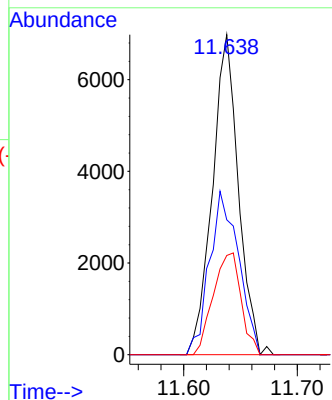


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

Instrument :
MSVOA_D
ClientSampleId :

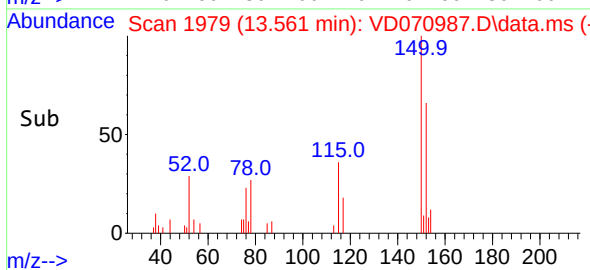
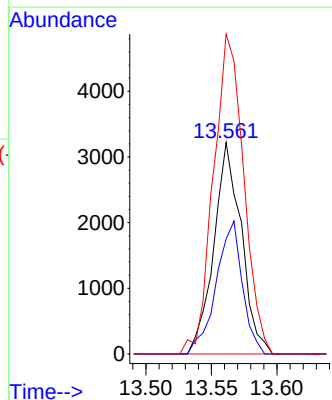
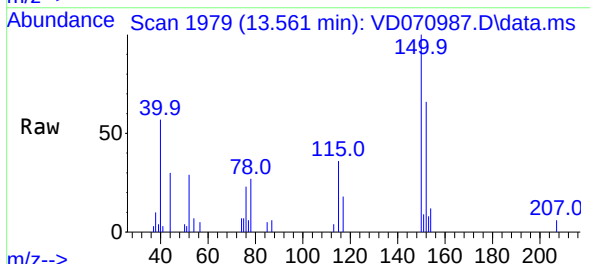


Tgt Ion:117 Resp: 11128
Ion Ratio Lower Upper
117 100
82 42.1 44.7 67.1#
119 31.0 26.2 39.4

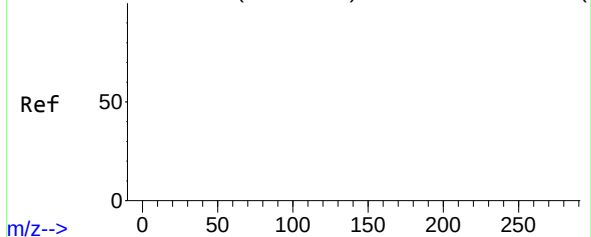


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

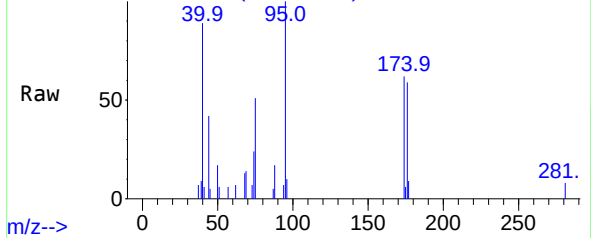
Tgt Ion:152 Resp: 4697
Ion Ratio Lower Upper
152 100
115 59.7 29.8 89.3
150 166.2 0.0 349.2



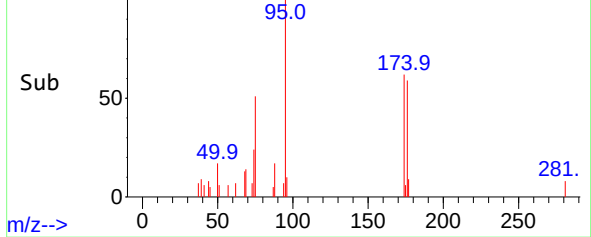
Abundance Scan 1847 (12.785 min): VD070947.D\data.ms (-



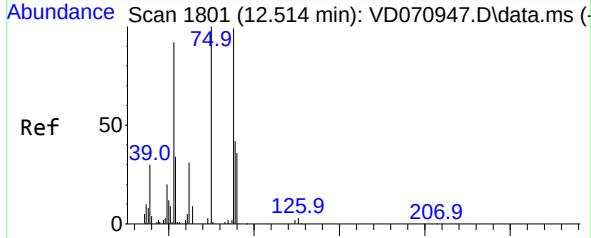
Ref 50



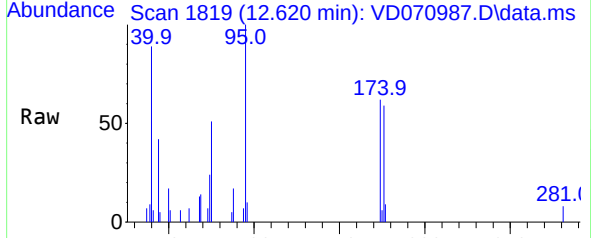
Abundance Scan 1819 (12.620 min): VD070987.D\data.ms (-



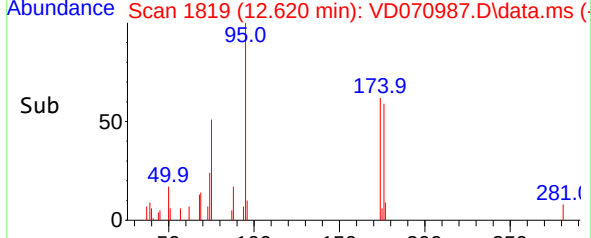
Sub 50



Ref 50



Abundance Scan 1819 (12.620 min): VD070987.D\data.ms (-

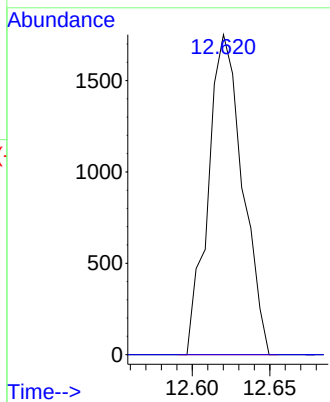


Sub 50

#76
1,2,3-Trichloropropane
Concen: 67.519 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

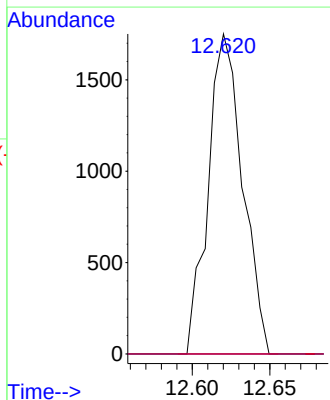
Instrument :
MSVOA_D
ClientSampleId :

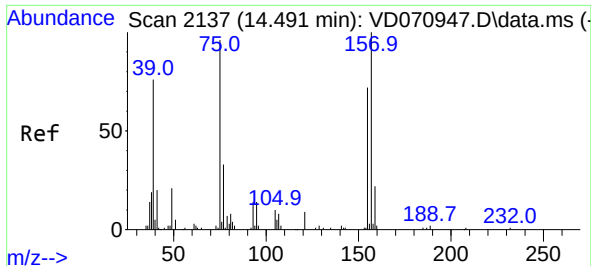
Tgt Ion: 75 Resp: 2709
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.692 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD070987.D
Acq: 11 Nov 2021 13:06

Tgt Ion: 75 Resp: 2709
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.072 ug/l

RT: 14.461 min Scan# 2137

Delta R.T. -0.030 min

Lab File: VD070987.D

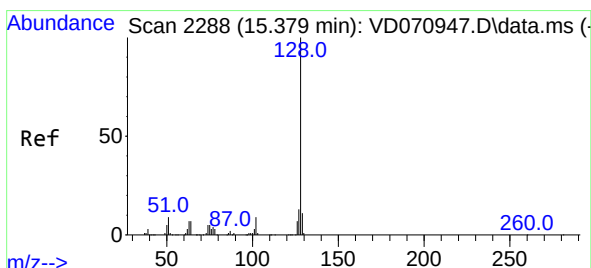
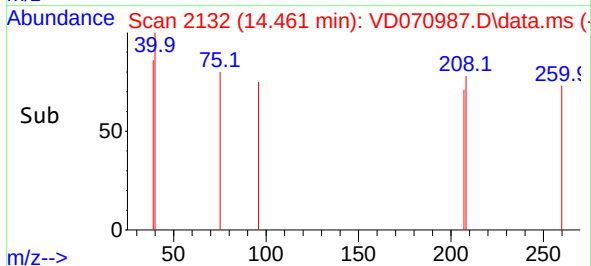
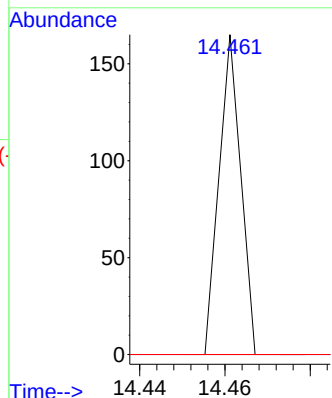
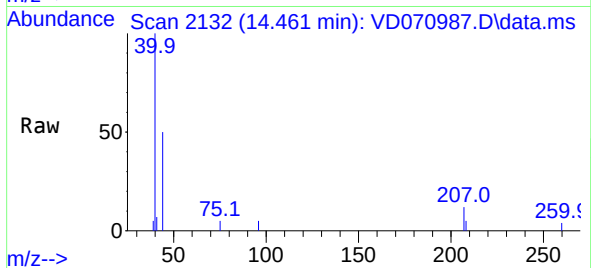
Acq: 11 Nov 2021 13:06

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	58
Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.0	120.0#
157	0.0	49.8	149.3#



#95

Naphthalene

Concen: 1.911 ug/l

RT: 15.385 min Scan# 2289

Delta R.T. 0.006 min

Lab File: VD070987.D

Acq: 11 Nov 2021 13:06

Tgt Ion:	128	Resp:	286
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

