

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD070993.D
 Acq On : 11 Nov 2021 15:58
 Operator : VA/SY
 Sample : M4582-04
 Misc : 7.18G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 08:02:11 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)

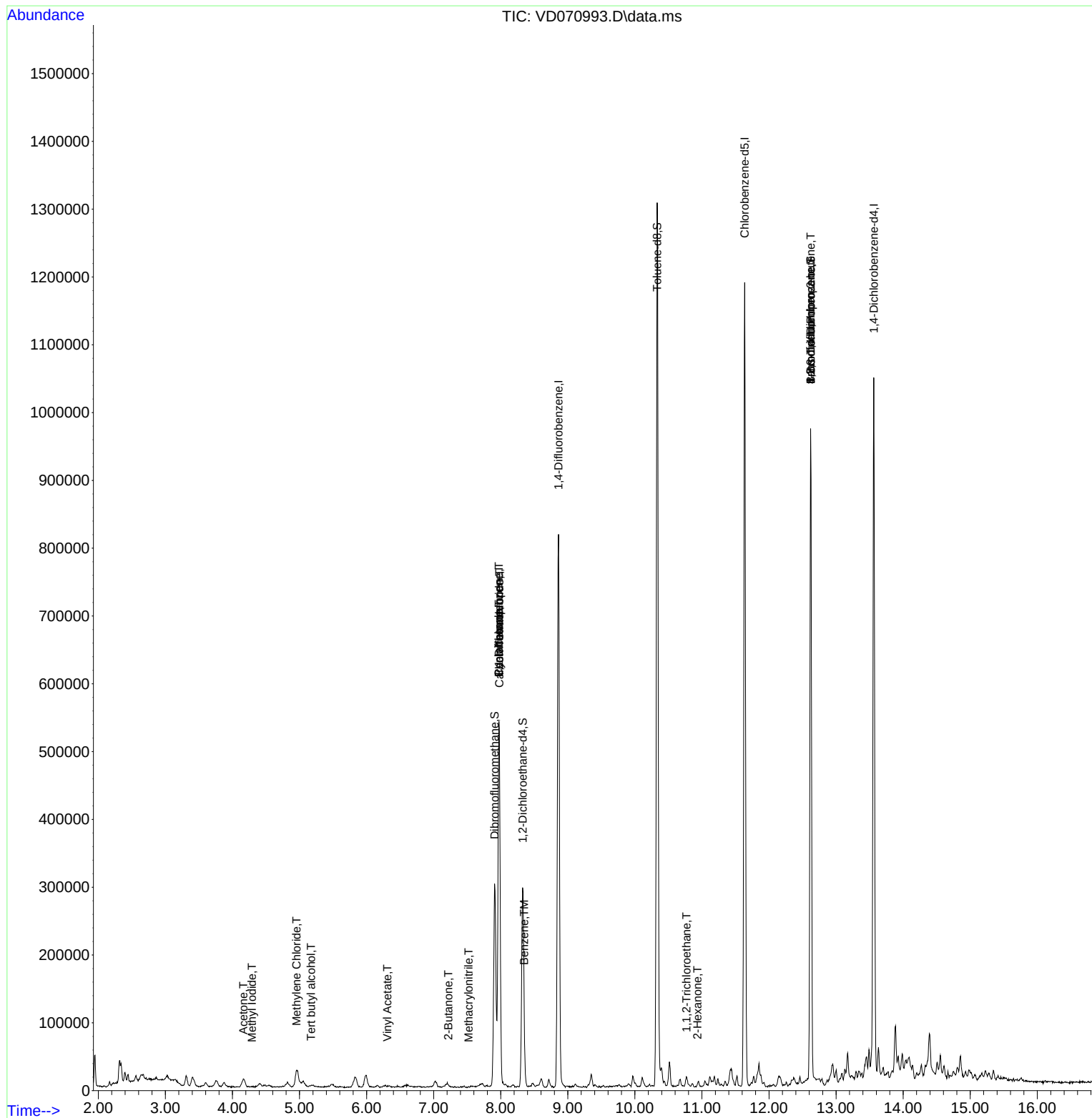
Internal Standards						
1) Pentafluorobenzene	7.973	168	392025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	692253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	637946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	259147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	220125	52.738	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.480%	
35) Dibromofluoromethane	7.909	113	214485	54.908	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.820%	
50) Toluene-d8	10.332	98	853561	55.796	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.600%	
62) 4-Bromofluorobenzene	12.620	95	300313	54.522	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.040%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	260	6.072	ug/l #	40
11) Tert butyl alcohol	5.173	59	1877	6.153	ug/l #	88
13) Acrolein	3.903	56	59	Below Cal	#	13
16) Acetone	4.162	43	18029	34.524	ug/l	97
20) Methylene Chloride	4.956	84	18684	3.543	ug/l	91
23) Vinyl Acetate	6.309	43	182	21.003	ug/l #	72
25) 2-Butanone	7.220	43	5344	23.737	ug/l #	78
31) Cyclohexane	7.973	56	11727	1.366	ug/l #	28
36) 1,1-Dichloropropene	7.973	75	33840	5.475	ug/l #	49
38) Carbon Tetrachloride	7.979	117	40265	7.074	ug/l #	17
40) Benzene	8.350	78	23840	1.370	ug/l	91
41) Methacrylonitrile	7.520	41	664	3.803	ug/l #	22
55) 1,1,2-Trichloroethane	10.767	97	5330	1.731	ug/l #	22
59) 2-Hexanone	10.932	43	4432	17.769	ug/l #	22
71) Bromoform	12.620	173	2116	1.004	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	156956	70.904	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	156956	130.774	ug/l #	18

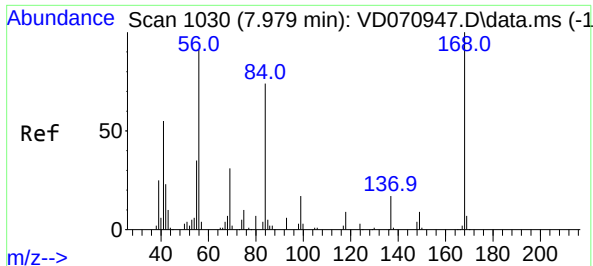
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 10 03:55:51 2021
Response via : Initial Calibration

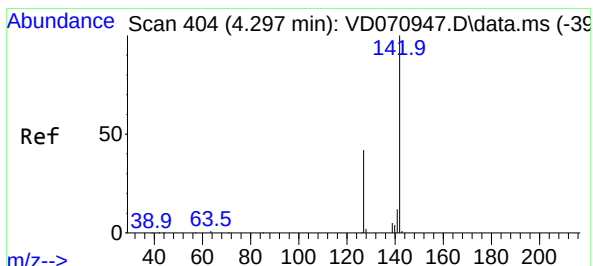
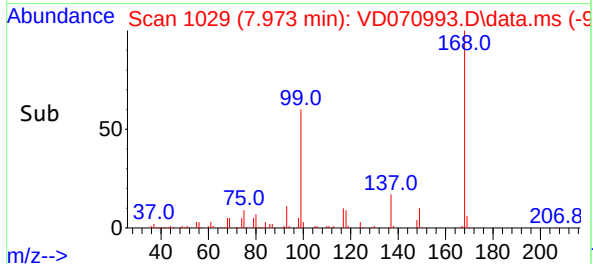
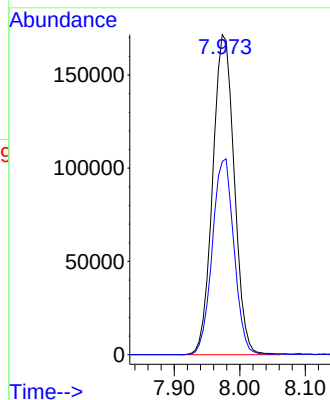
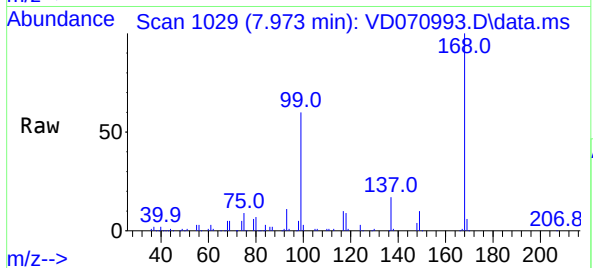




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

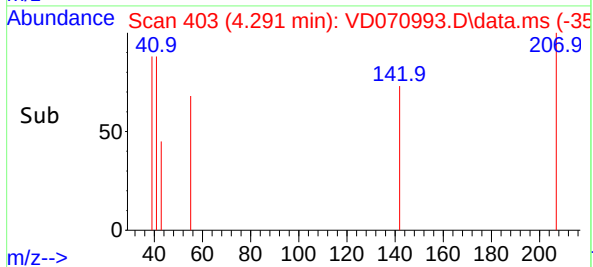
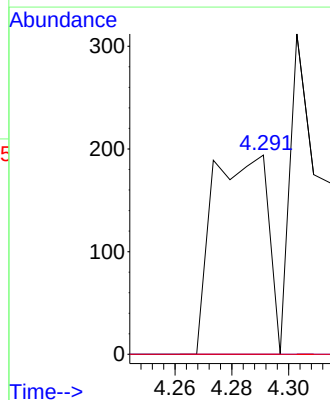
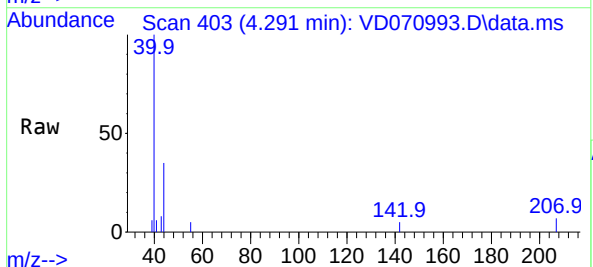
Instrument :
MSVOA_D
ClientSampleId :

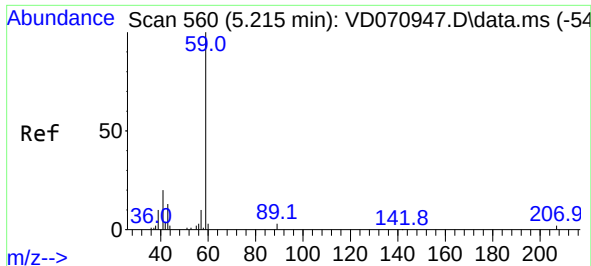
Tgt Ion:168 Resp: 392025
Ion Ratio Lower Upper
168 100
99 60.4 46.6 69.8



#10
Methyl Iodide
Concen: 6.072 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

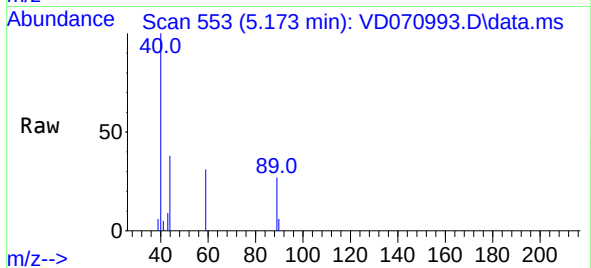
Tgt Ion:142 Resp: 260
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



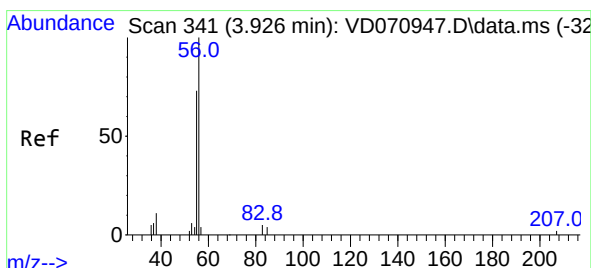
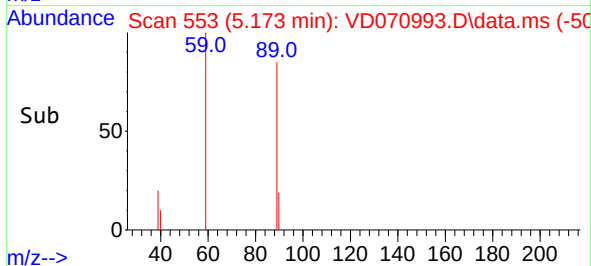
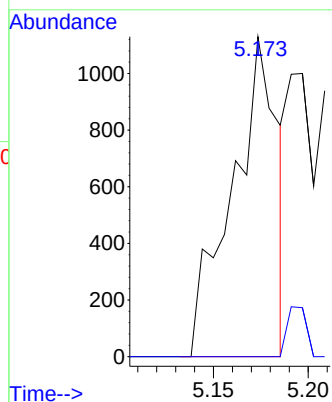


#11
Tert butyl alcohol
Concen: 6.153 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.042 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

Instrument :
MSVOA_D
ClientSampleId :

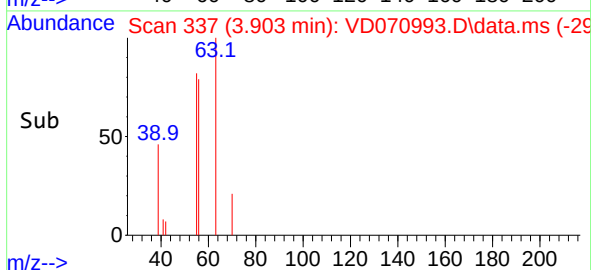
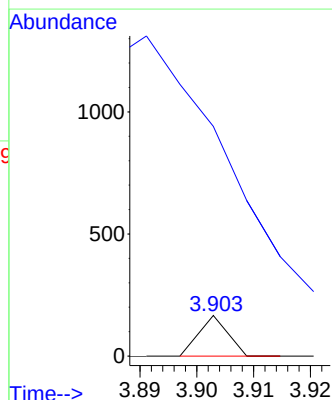
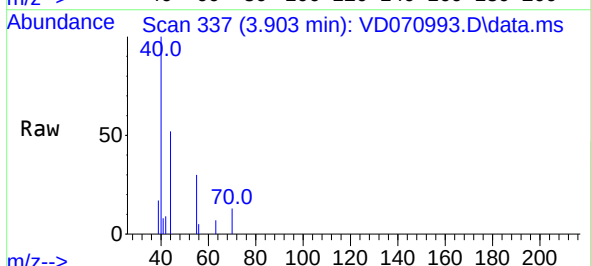


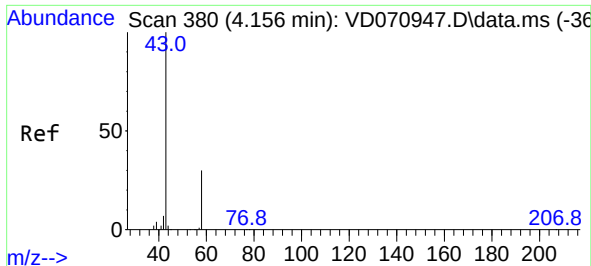
Tgt Ion: 59 Resp: 1877
Ion Ratio Lower Upper
59 100
57 6.6 9.0 13.4#



#13
Acrolein
Concen: Below Cal
RT: 3.903 min Scan# 337
Delta R.T. -0.023 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

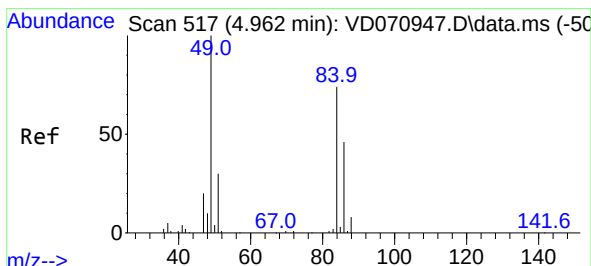
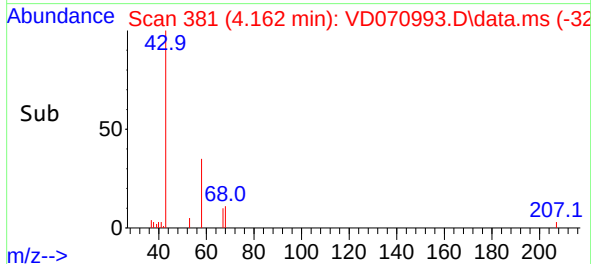
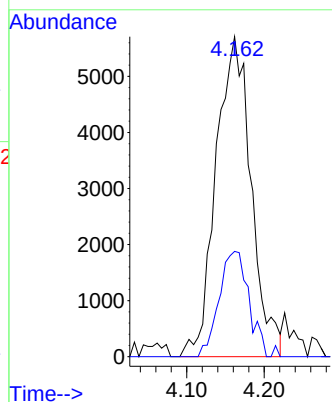
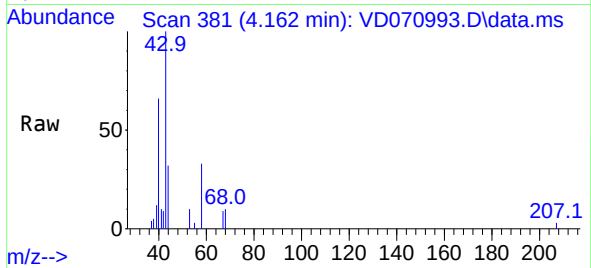




#16
Acetone
Concen: 34.524 ug/l
RT: 4.162 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

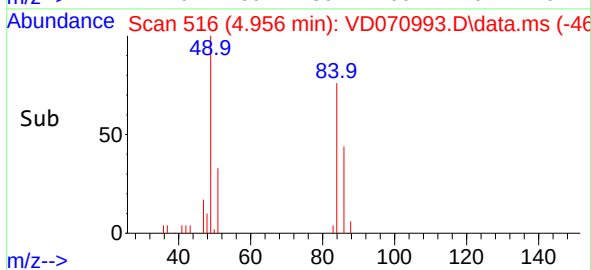
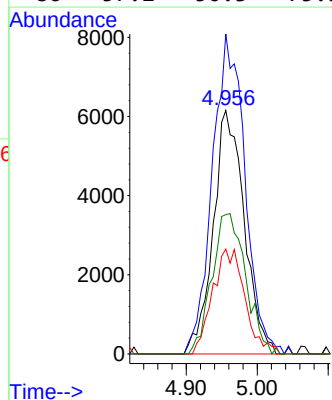
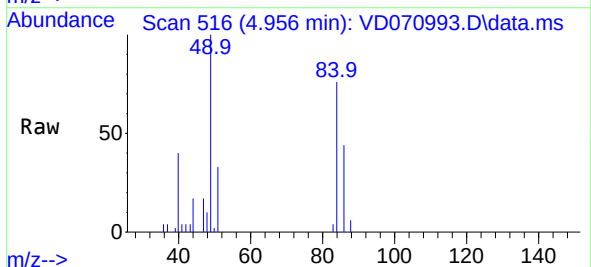
Instrument :
MSVOA_D
ClientSampleId :

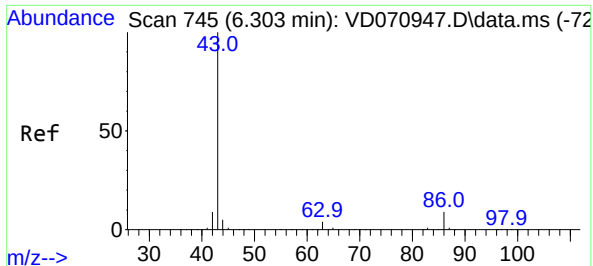
Tgt Ion: 43 Resp: 18029
Ion Ratio Lower Upper
43 100
58 32.9 27.8 41.8



#20
Methylene Chloride
Concen: 3.543 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

Tgt Ion: 84 Resp: 18684
Ion Ratio Lower Upper
84 100
49 131.4 95.8 143.6
51 43.1 30.9 46.3
86 57.2 50.3 75.5

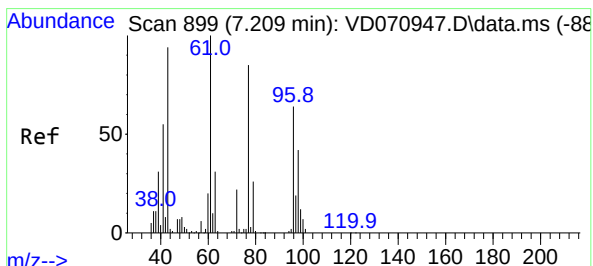
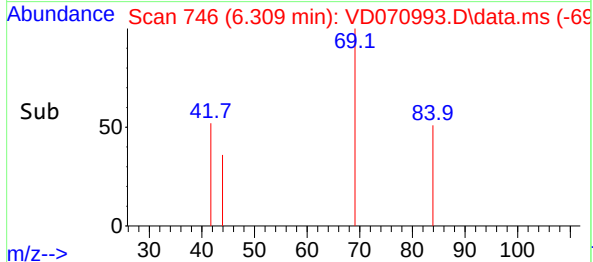
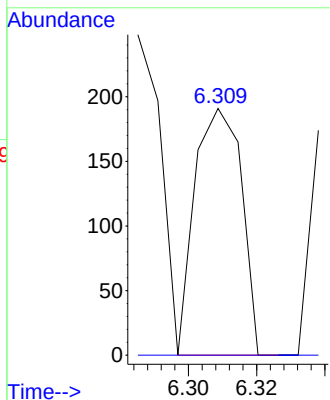
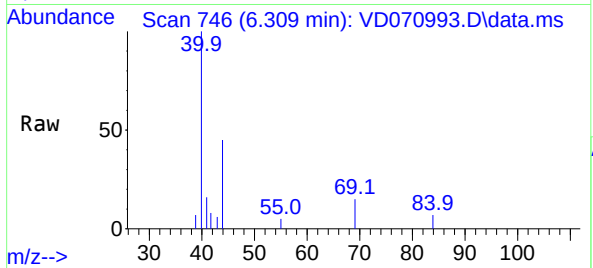




#23
 Vinyl Acetate
 Concen: 21.003 ug/l
 RT: 6.309 min Scan# 745
 Delta R.T. 0.006 min
 Lab File: VD070993.D
 Acq: 11 Nov 2021 15:58

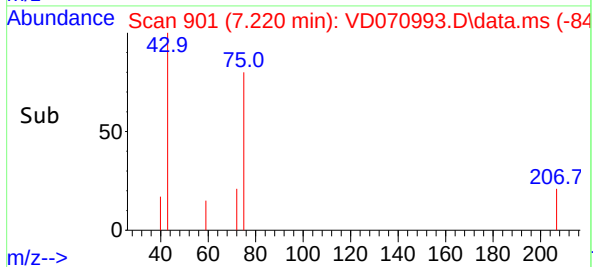
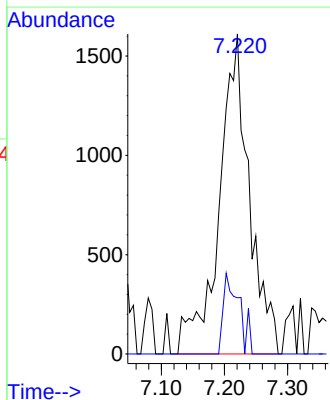
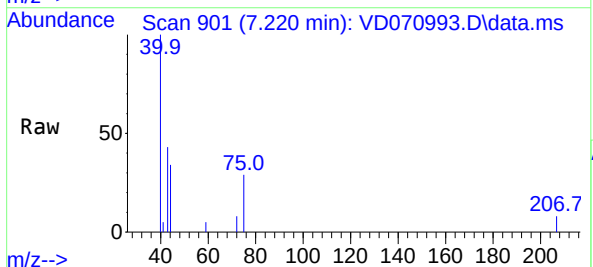
Instrument :
 MSVOA_D
 ClientSampleId :

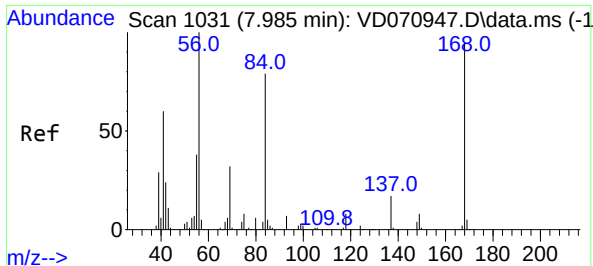
Tgt Ion: 43 Resp: 182
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 23.737 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.011 min
 Lab File: VD070993.D
 Acq: 11 Nov 2021 15:58

Tgt Ion: 43 Resp: 5344
 Ion Ratio Lower Upper
 43 100
 72 17.6 23.8 35.6#





#31

Cyclohexane

Concen: 1.366 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070993.D

Acq: 11 Nov 2021 15:58

Instrument :

MSVOA_D

ClientSampleId :

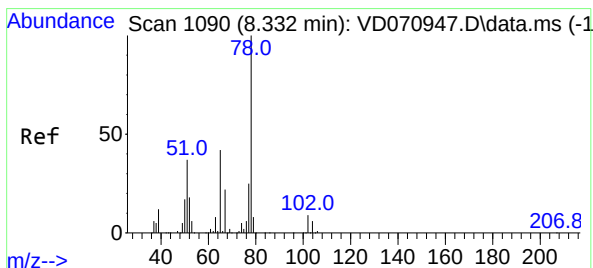
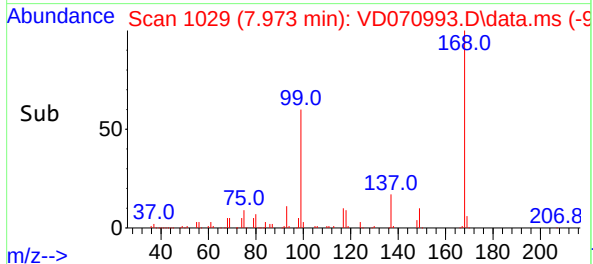
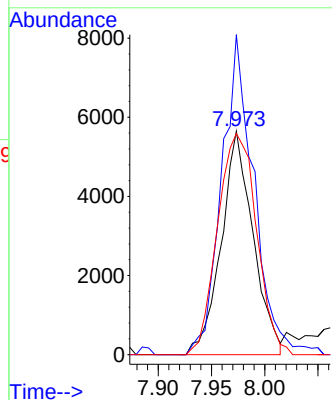
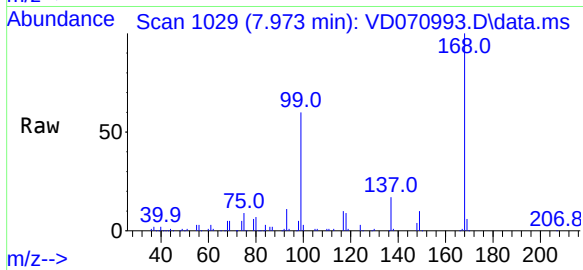
Tgt Ion: 56 Resp: 11727

Ion Ratio Lower Upper

56 100

69 143.2 25.9 38.9#

84 99.0 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 52.738 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD070993.D

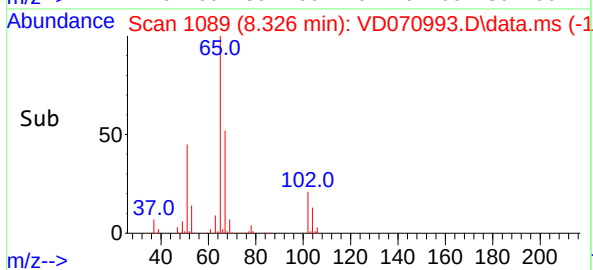
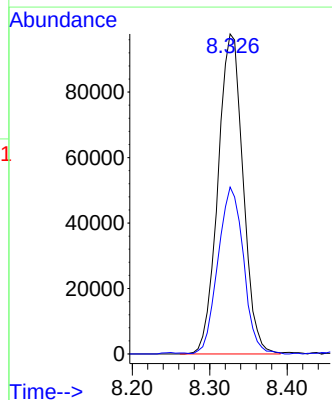
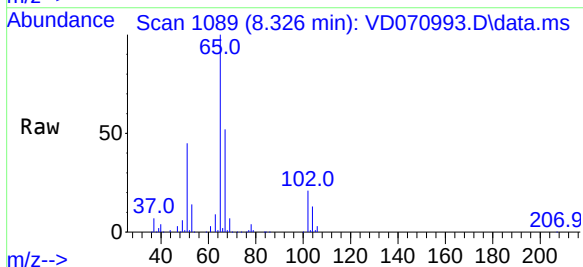
Acq: 11 Nov 2021 15:58

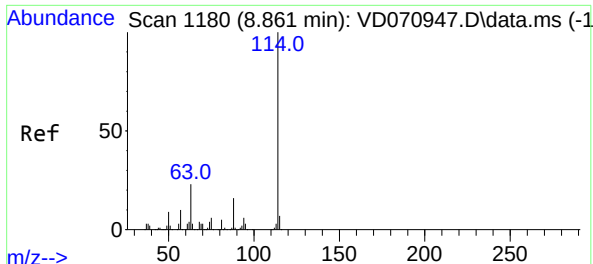
Tgt Ion: 65 Resp: 220125

Ion Ratio Lower Upper

65 100

67 53.1 0.0 112.2

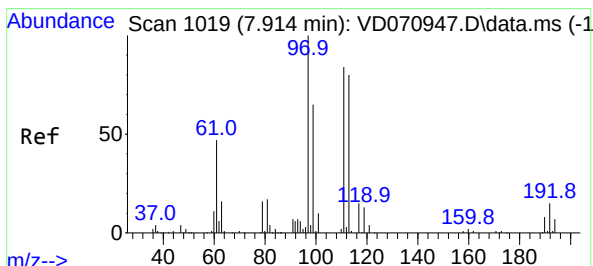
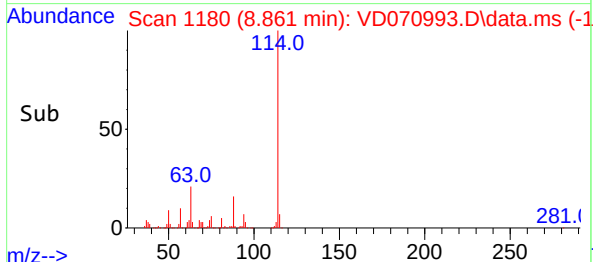
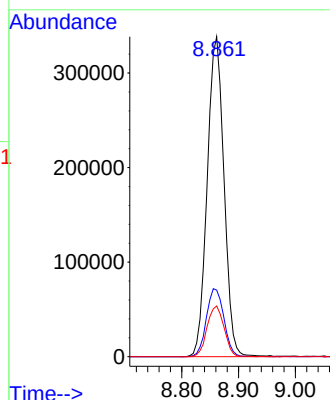
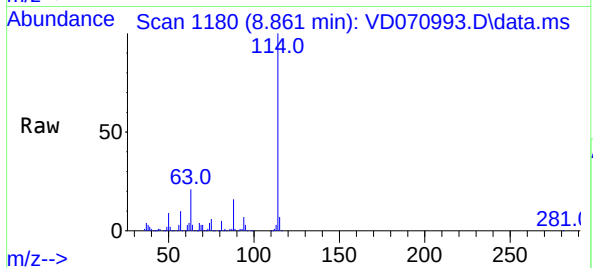




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

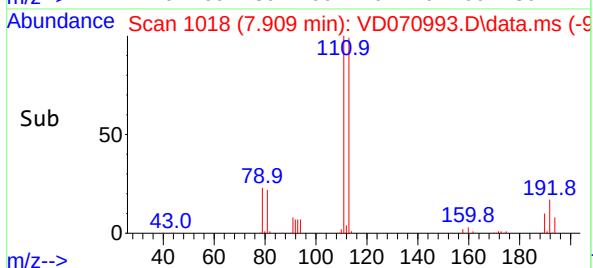
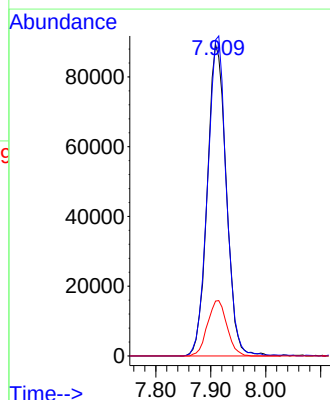
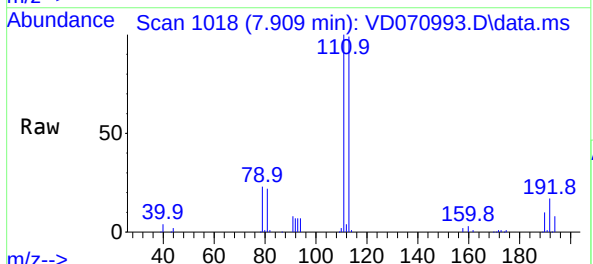
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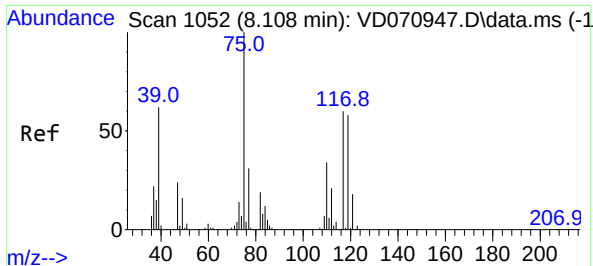
Tgt Ion:114 Resp: 692253
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 54.908 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.005 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

Tgt Ion:113 Resp: 214485
Ion Ratio Lower Upper
113 100
111 101.6 82.0 123.0
192 18.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.475 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

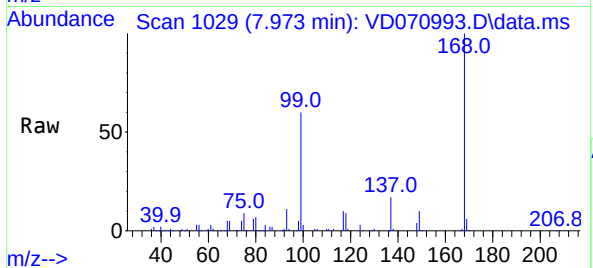
Lab File: VD070993.D

Acq: 11 Nov 2021 15:58

Instrument :

MSVOA_D

ClientSampleId :



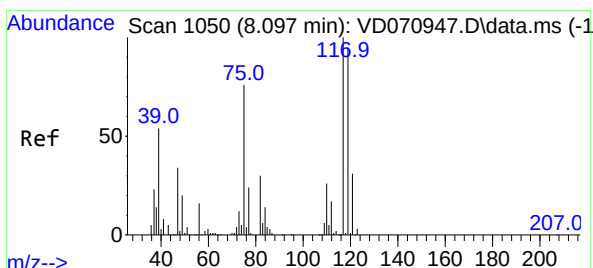
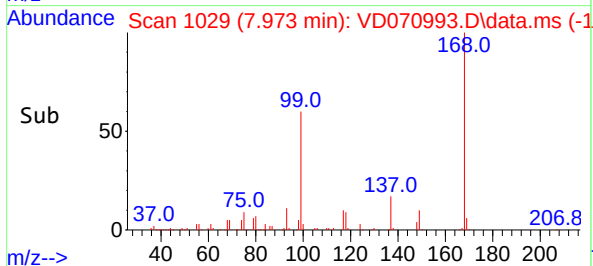
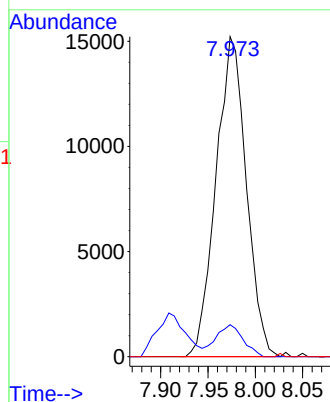
Tgt Ion: 75 Resp: 33840

Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.074 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD070993.D

Acq: 11 Nov 2021 15:58

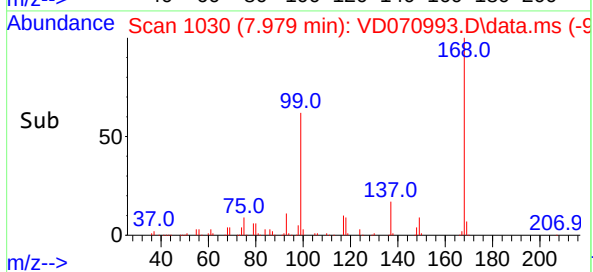
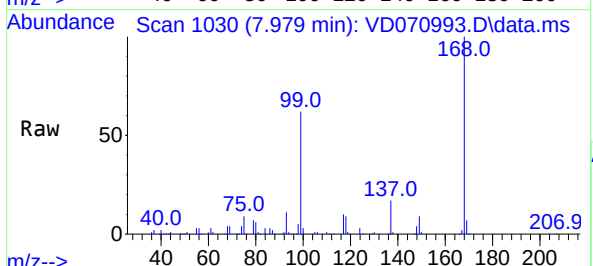
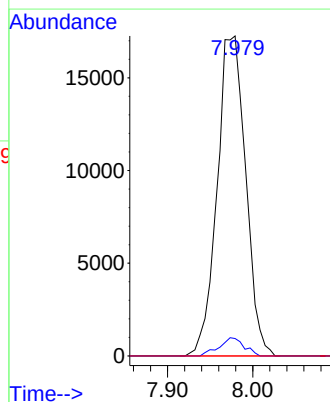
Tgt Ion: 117 Resp: 40265

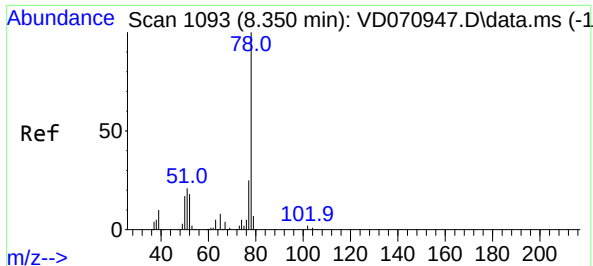
Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

121 0.0 23.6 35.4#

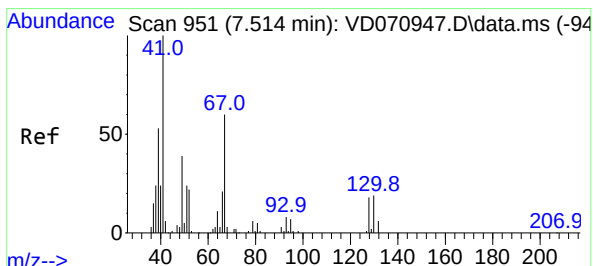
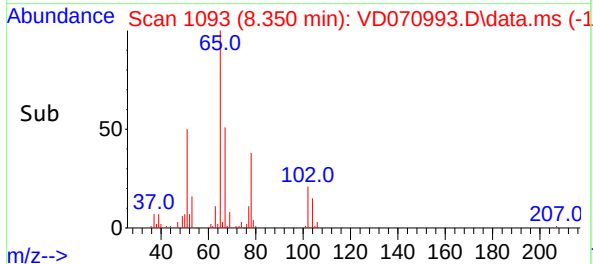
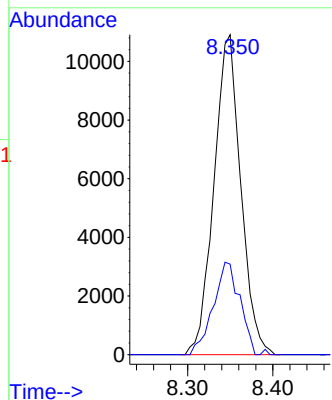
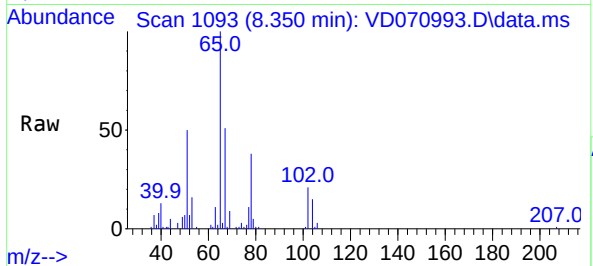




#40
Benzene
Concen: 1.370 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.000 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

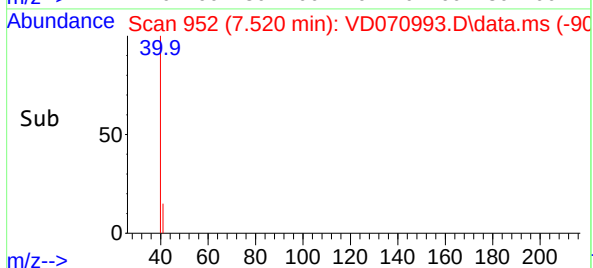
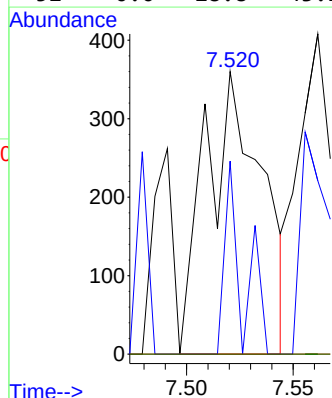
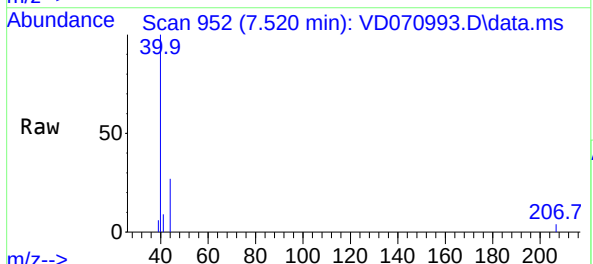
Instrument :
MSVOA_D
ClientSampleId :

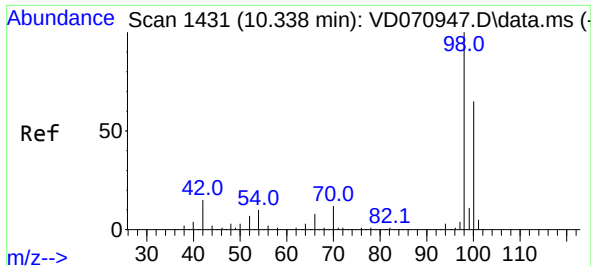
Tgt Ion: 78 Resp: 23840
Ion Ratio Lower Upper
78 100
77 28.3 19.1 28.7



#41
Methacrylonitrile
Concen: 3.803 ug/l
RT: 7.520 min Scan# 952
Delta R.T. 0.006 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

Tgt Ion: 41 Resp: 664
Ion Ratio Lower Upper
41 100
39 21.8 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#

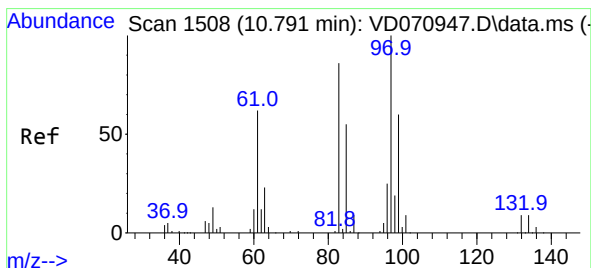
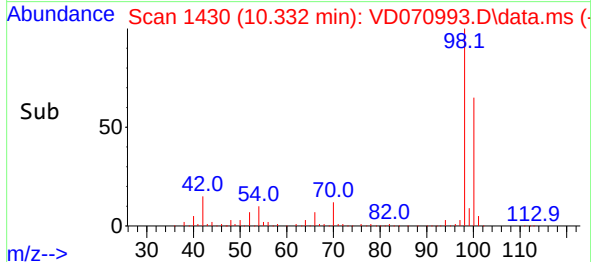
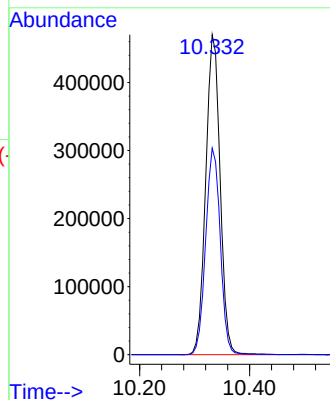
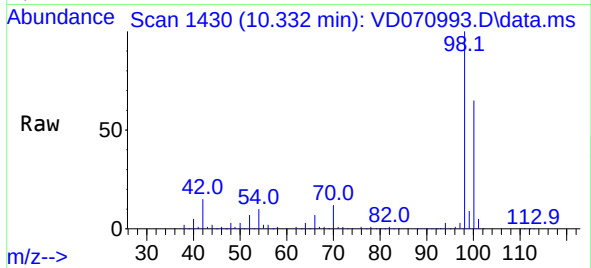




#50
Toluene-d8
Concen: 55.796 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

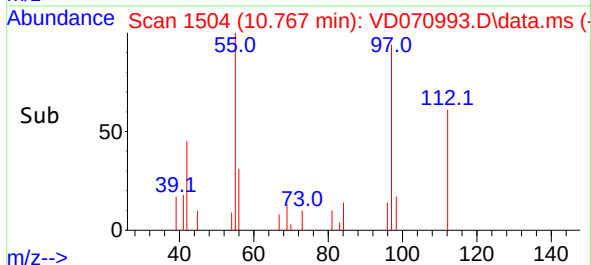
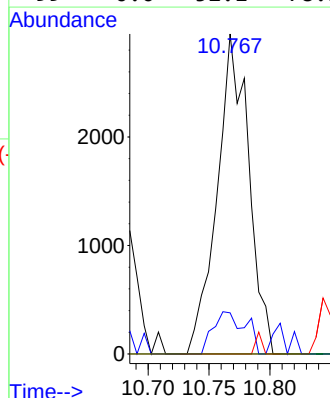
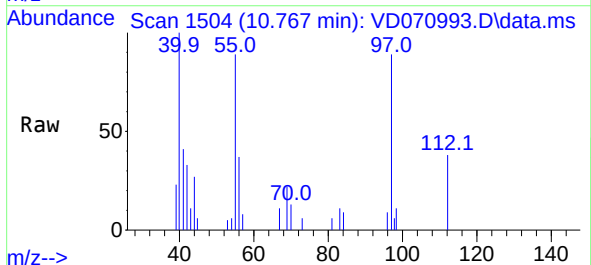
Instrument :
MSVOA_D
ClientSampleId :

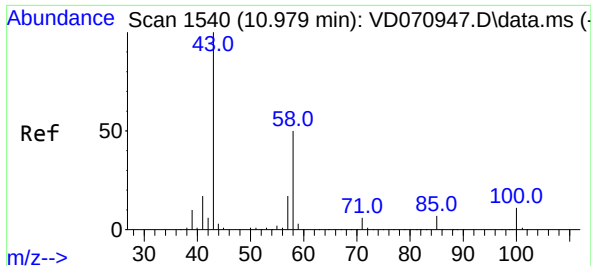
Tgt Ion: 98 Resp: 853561
Ion Ratio Lower Upper
98 100
100 65.5 51.8 77.6



#55
1,1,2-Trichloroethane
Concen: 1.731 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.024 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

Tgt Ion: 97 Resp: 5330
Ion Ratio Lower Upper
97 100
83 12.9 65.2 97.8#
85 0.0 43.4 65.0#
99 0.0 52.1 78.1#

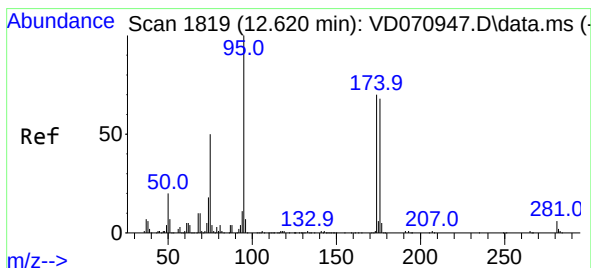
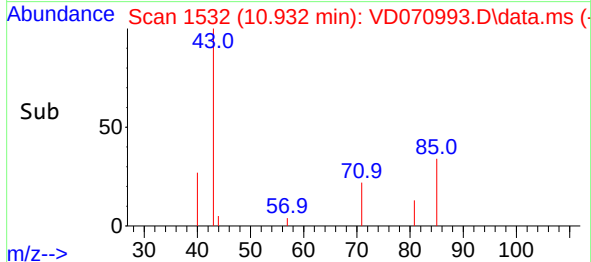
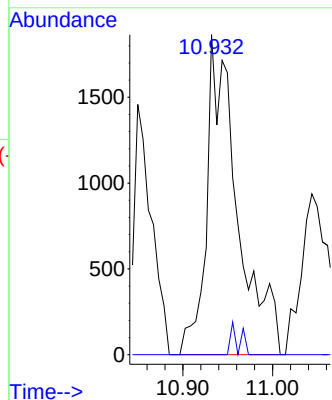
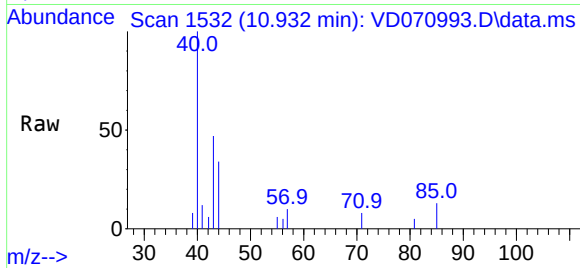




#59
2-Hexanone
Concen: 17.769 ug/l
RT: 10.932 min Scan# 11
Delta R.T. -0.047 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

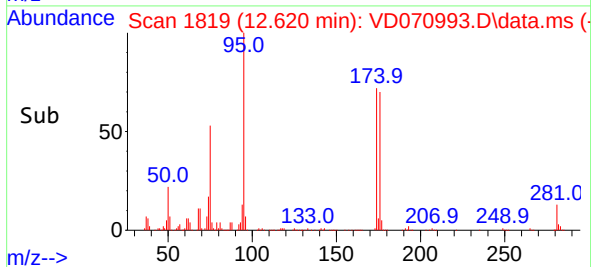
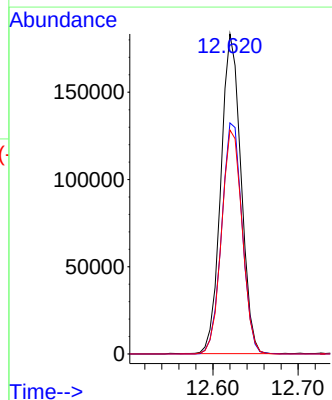
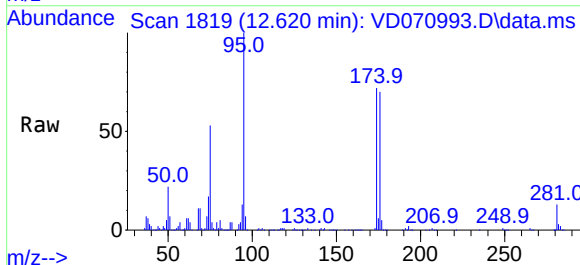
Instrument :
MSVOA_D
ClientSampleId :

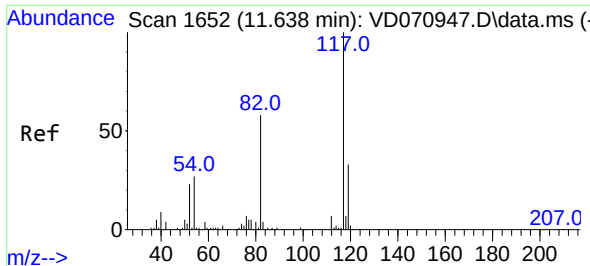
Tgt Ion: 43 Resp: 4432
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 54.522 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

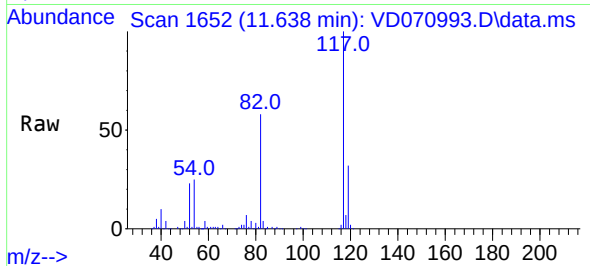
Tgt Ion: 95 Resp: 300313
Ion Ratio Lower Upper
95 100
174 73.6 0.0 159.4
176 72.0 0.0 154.0



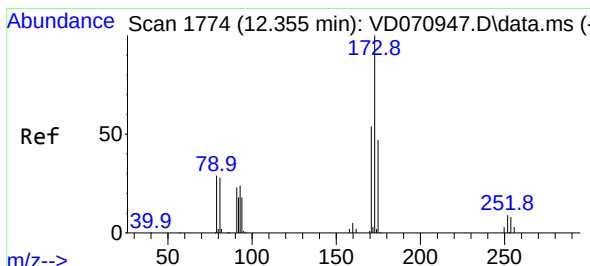
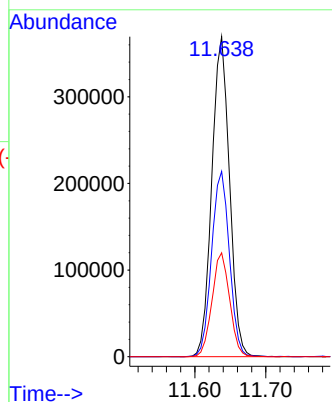
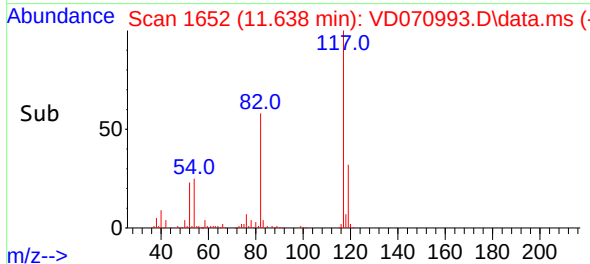


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

Instrument :
MSVOA_D
ClientSampleId :

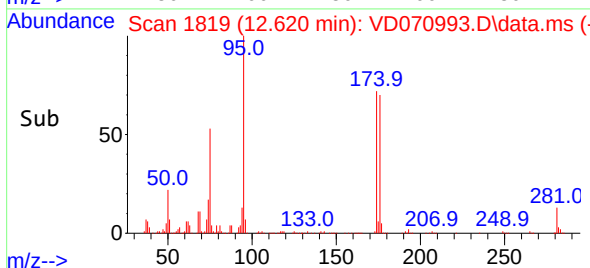
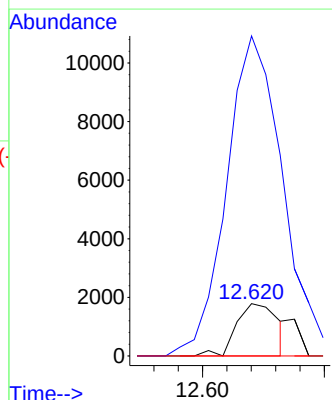
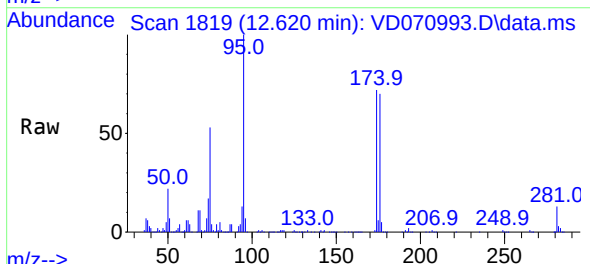


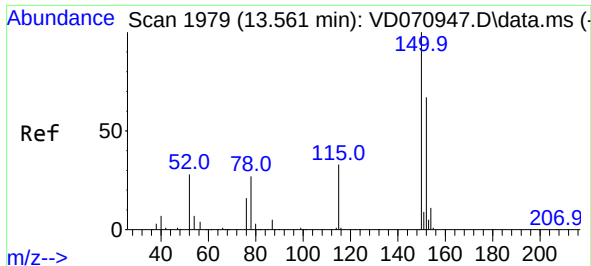
Tgt Ion:117 Resp: 637946
Ion Ratio Lower Upper
117 100
82 57.9 44.7 67.1
119 32.4 26.2 39.4



#71
Bromoform
Concen: 1.004 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

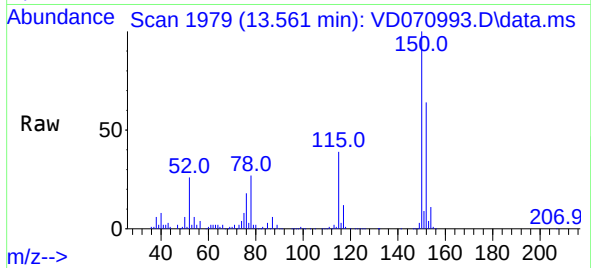
Tgt Ion:173 Resp: 2116
Ion Ratio Lower Upper
173 100
175 733.7 24.1 72.2#
254 0.0 0.1 0.1#



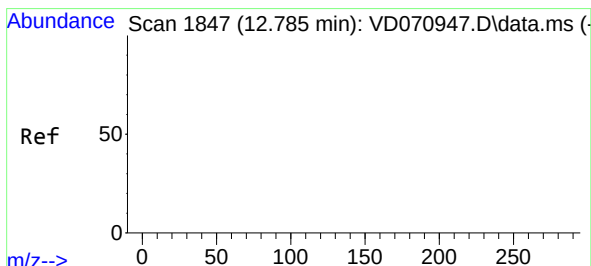
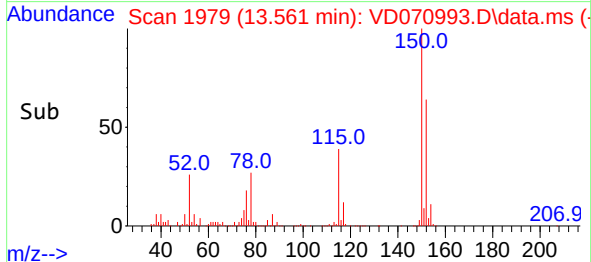
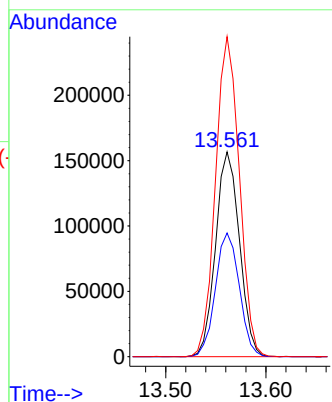


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070993.D
 Acq: 11 Nov 2021 15:58

Instrument :
 MSVOA_D
 ClientSampleId :

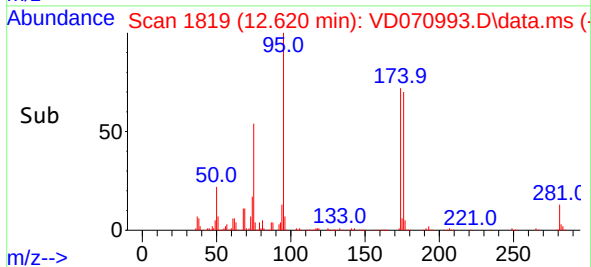
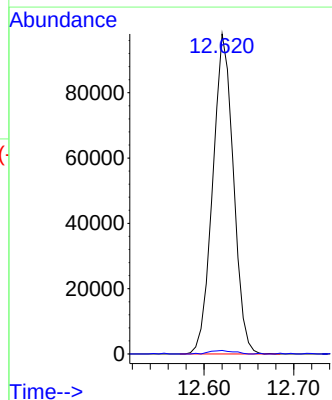
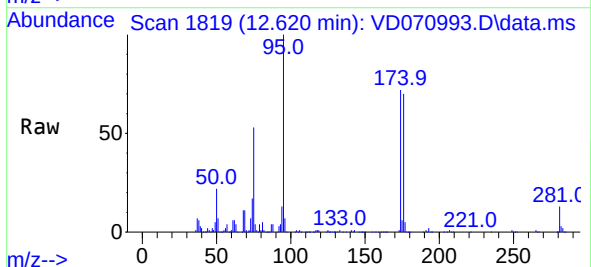


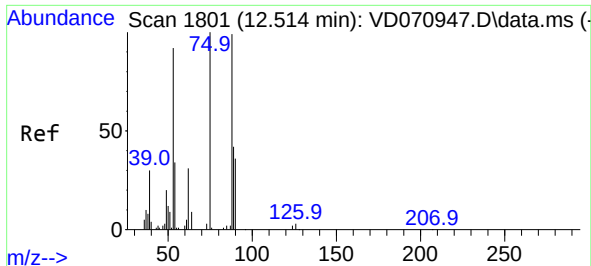
Tgt Ion:152 Resp: 259147
 Ion Ratio Lower Upper
 152 100
 115 60.6 29.8 89.3
 150 155.9 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 70.904 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.165 min
 Lab File: VD070993.D
 Acq: 11 Nov 2021 15:58

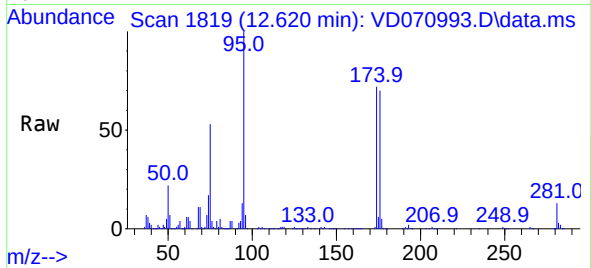
Tgt Ion: 75 Resp: 156956
 Ion Ratio Lower Upper
 75 100
 77 1.3 158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 130.774 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD070993.D
Acq: 11 Nov 2021 15:58

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 156956
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.2 34.5 51.7#

