

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
 Data File : VD070784.D
 Acq On : 20 Oct 2021 19:11
 Operator : VA/SY
 Sample : M4285-10
 Misc : 5.89G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-GA-(1)

Quant Time: Oct 21 05:41:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

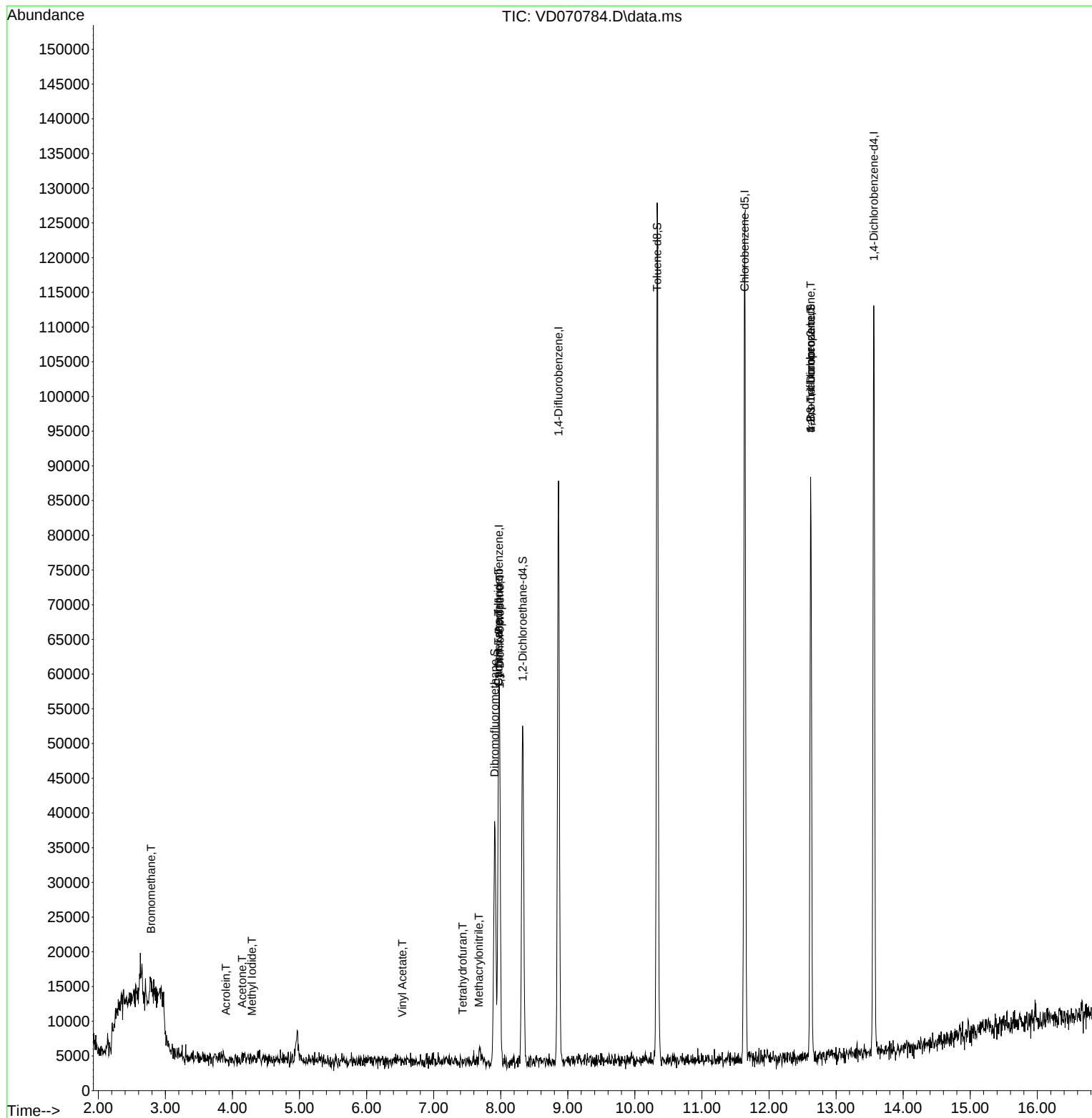
Internal Standards						
1) Pentafluorobenzene	7.973	168	38962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	63838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	68392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	29294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	37506	81.274	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 162.540%			
35) Dibromofluoromethane	7.909	113	24155	59.094	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.180%			
50) Toluene-d8	10.332	98	86856	55.431	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.860%			
62) 4-Bromofluorobenzene	12.620	95	26195	48.551	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.100%			
Target Compounds						Qvalue
5) Bromomethane	2.785	94	1123	2.659	ug/l	82
10) Methyl Iodide	4.291	142	92	3.496	ug/l #	38
13) Acrolein	3.903	56	63	2.520	ug/l #	14
16) Acetone	4.144	43	1308	11.751	ug/l #	40
20) Methylene Chloride	4.962	84	3202	Below Cal	#	67
23) Vinyl Acetate	6.532	43	67	16.405	ug/l #	69
29) Tetrahydrofuran	7.432	42	111	1.319	ug/l #	29
31) Cyclohexane	7.967	56	1131	1.211	ug/l #	22
36) 1,1-Dichloropropene	7.985	75	4039	5.679	ug/l #	42
38) Carbon Tetrachloride	7.967	117	4402	6.463	ug/l #	12
41) Methacrylonitrile	7.673	41	66	2.285	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	13796	54.511	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	13796	119.395	ug/l #	18

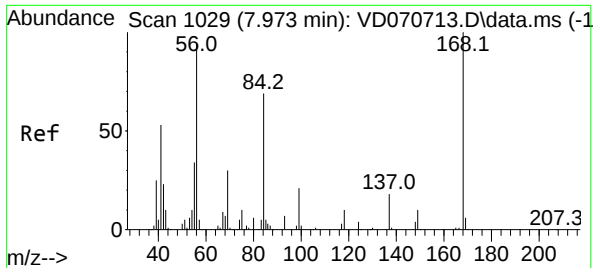
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

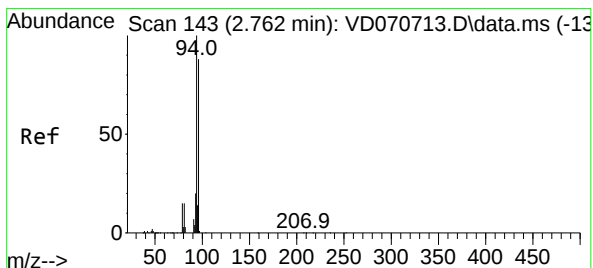
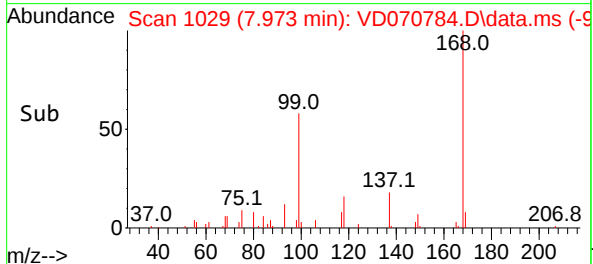
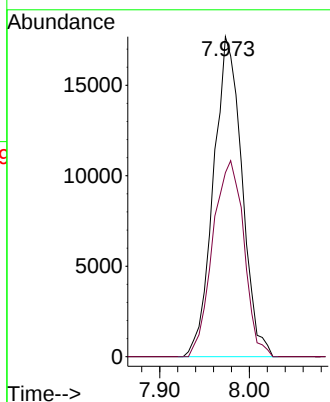
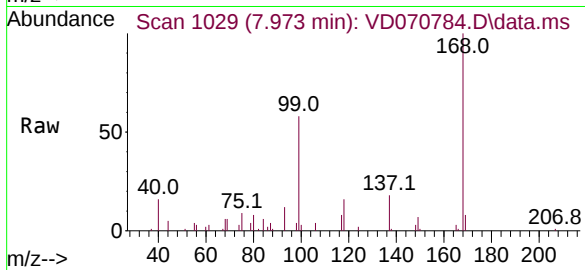




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

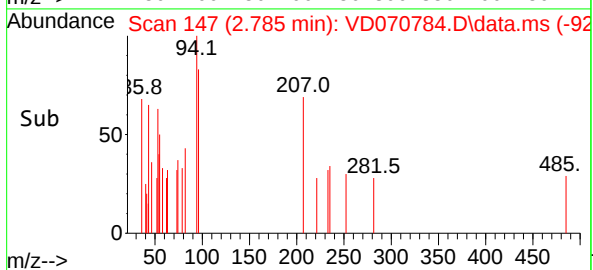
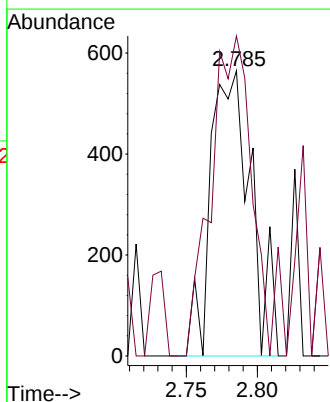
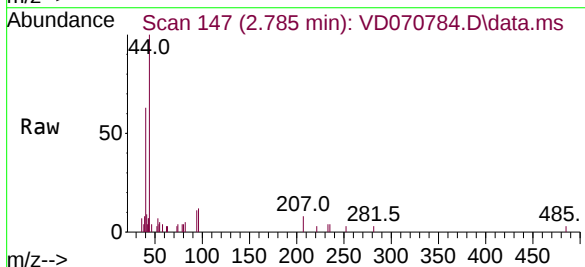
Instrument :
MSVOA_D
ClientSampleId :
MH-GA-(1)

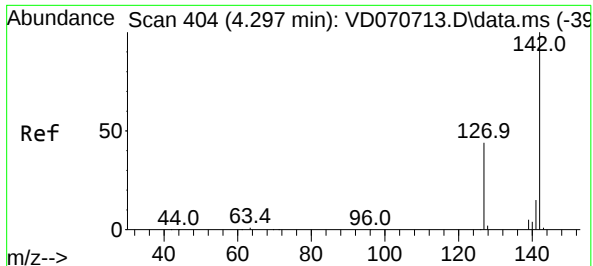
Tgt Ion:168 Resp: 38962
Ion Ratio Lower Upper
168 100
99 57.5 51.4 77.0



#5
Bromomethane
Concen: 2.659 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.024 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

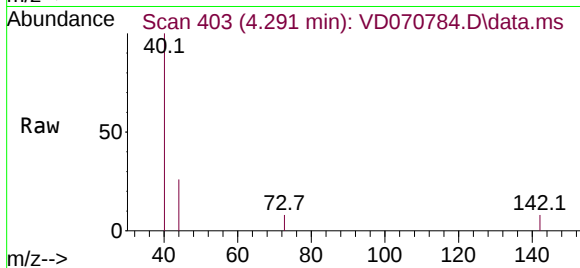
Tgt Ion: 94 Resp: 1123
Ion Ratio Lower Upper
94 100
96 112.2 75.5 113.3



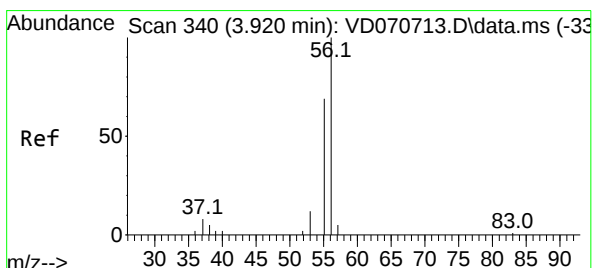
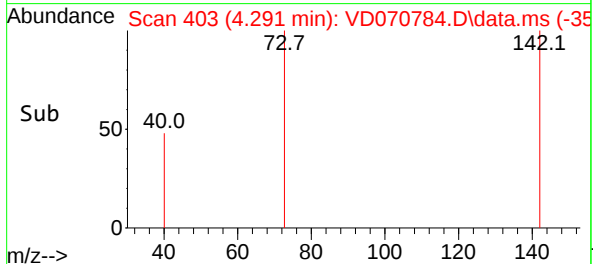
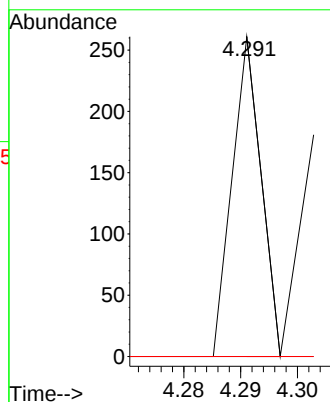


#10
Methyl Iodide
Concen: 3.496 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

Instrument :
MSVOA_D
ClientSampleId :
MH-GA-(1)

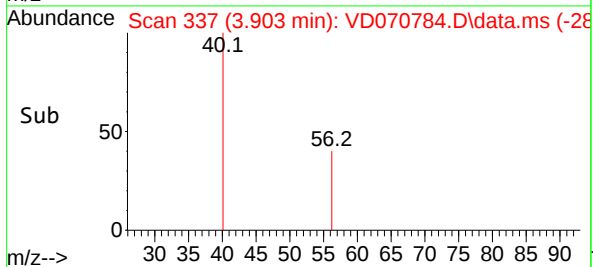
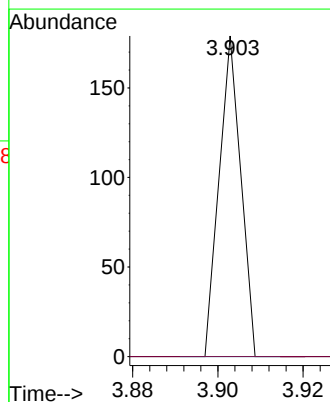
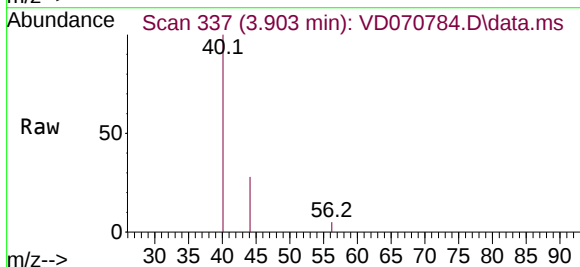


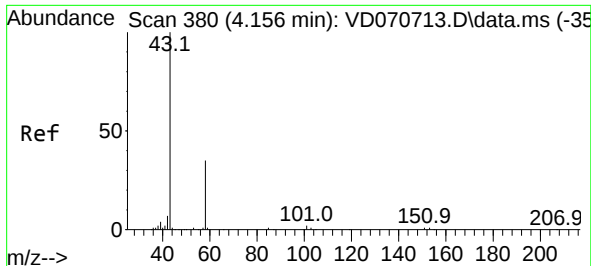
Tgt Ion:142 Resp: 92
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#



#13
Acrolein
Concen: 2.520 ug/l
RT: 3.903 min Scan# 337
Delta R.T. -0.017 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#

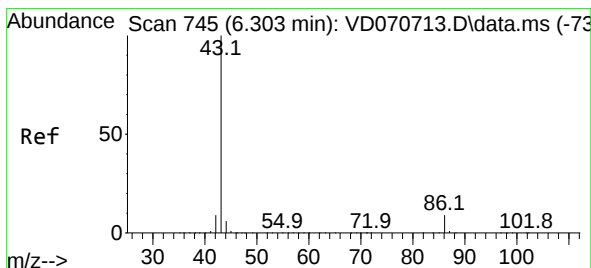
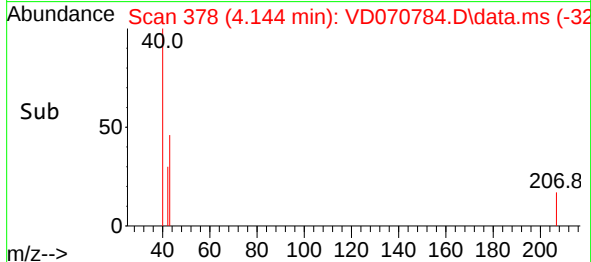
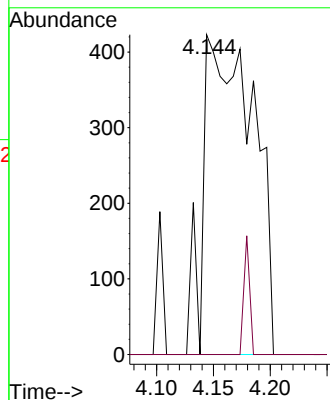
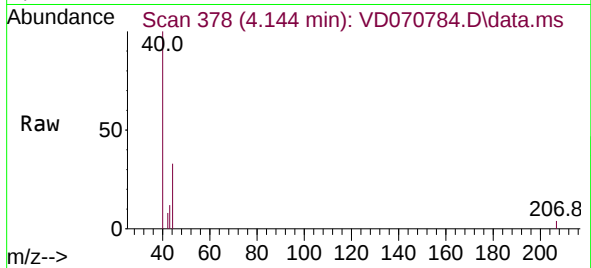




#16
Acetone
Concen: 11.751 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

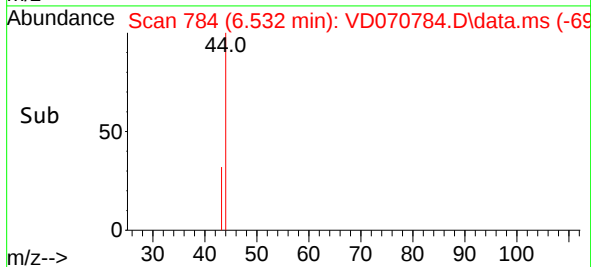
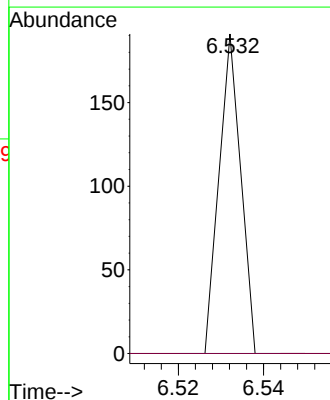
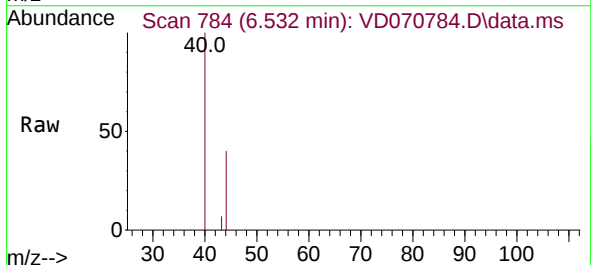
Instrument :
MSVOA_D
ClientSampleId :
MH-GA-(1)

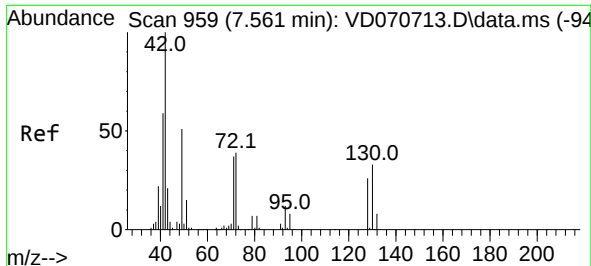
Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#23
Vinyl Acetate
Concen: 16.405 ug/l
RT: 6.532 min Scan# 784
Delta R.T. 0.229 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
86 0.0 9.8 14.6#





#29

Tetrahydrofuran

Concen: 1.319 ug/l

RT: 7.432 min Scan# 937

Delta R.T. -0.129 min

Lab File: VD070784.D

Acq: 20 Oct 2021 19:11

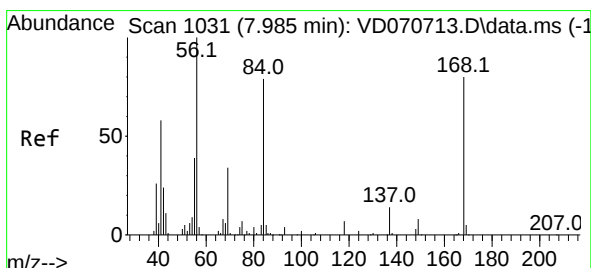
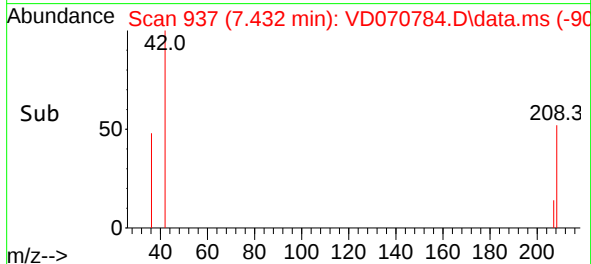
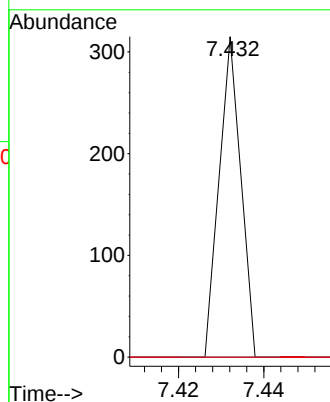
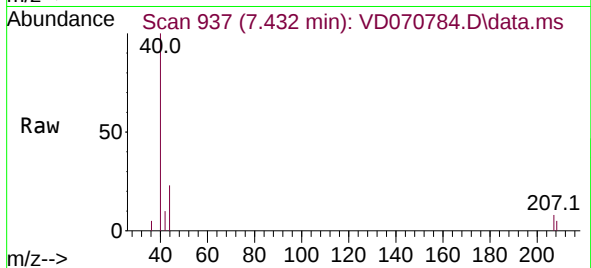
Tgt Ion: 42 Resp: 111

Ion Ratio Lower Upper

42 100

72 0.0 40.2 60.4#

71 0.0 37.2 55.8#



#31

Cyclohexane

Concen: 1.211 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.017 min

Lab File: VD070784.D

Acq: 20 Oct 2021 19:11

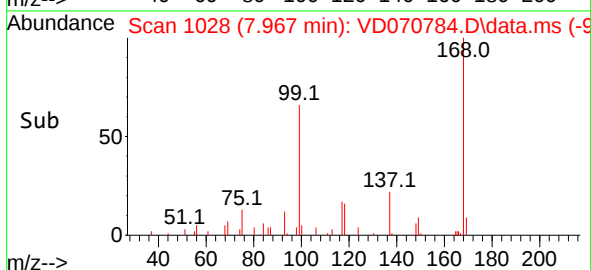
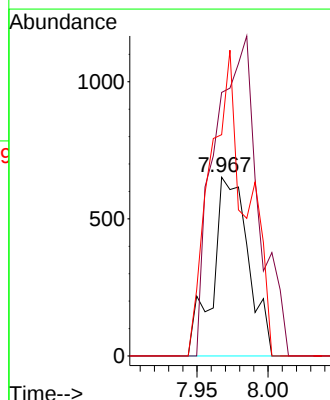
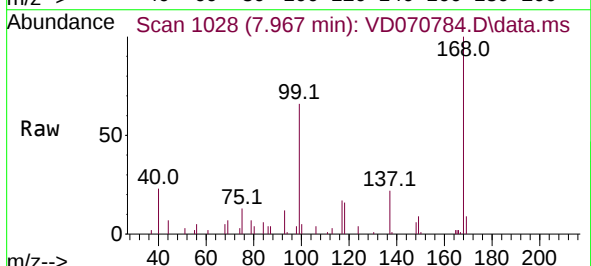
Tgt Ion: 56 Resp: 1131

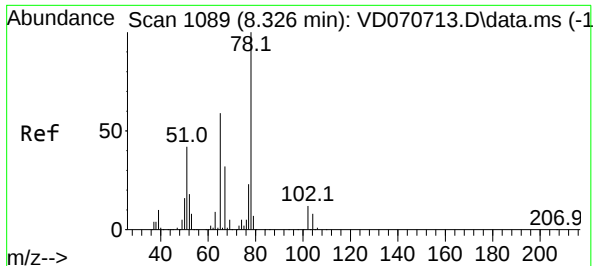
Ion Ratio Lower Upper

56 100

69 147.4 27.4 41.2#

84 123.8 73.6 110.4#

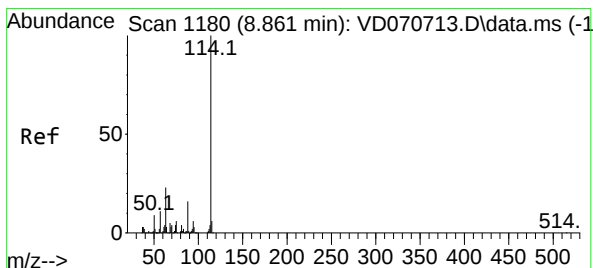
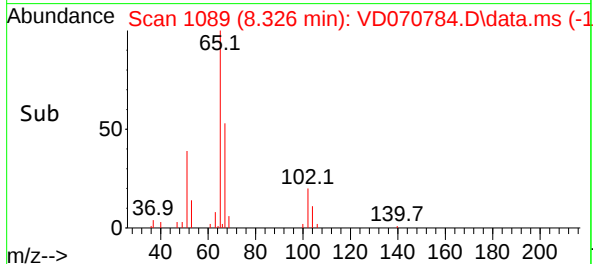
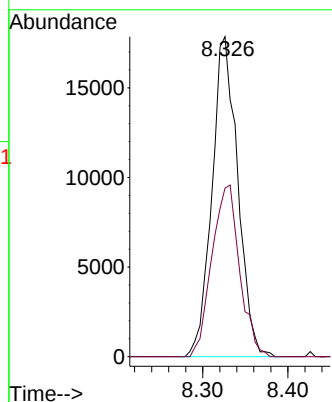
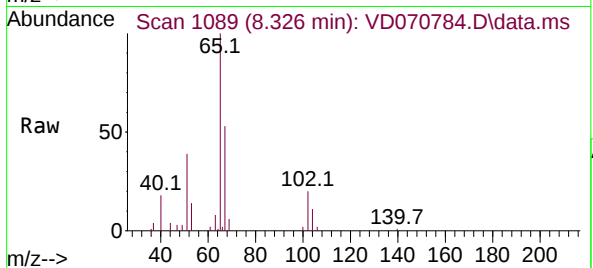




#33
 1,2-Dichloroethane-d4
 Concen: 81.274 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. 0.000 min
 Lab File: VD070784.D
 Acq: 20 Oct 2021 19:11

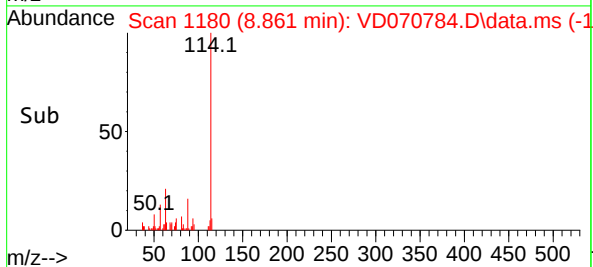
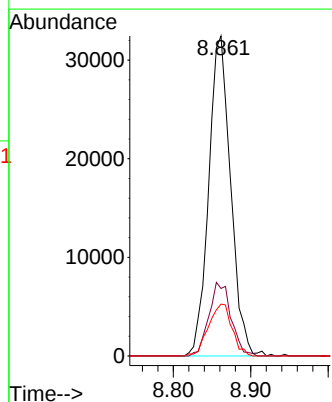
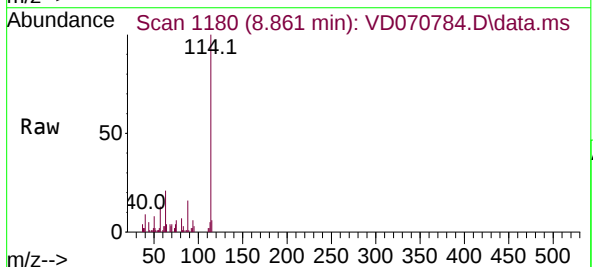
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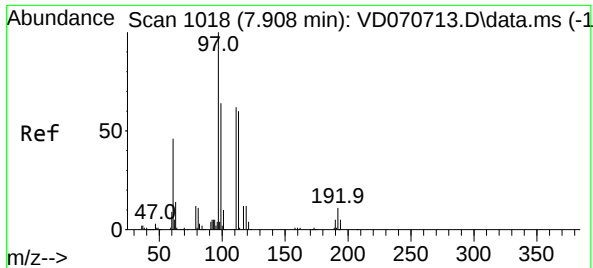
Tgt Ion: 65 Resp: 37506
 Ion Ratio Lower Upper
 65 100
 67 57.8 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. 0.000 min
 Lab File: VD070784.D
 Acq: 20 Oct 2021 19:11

Tgt Ion: 114 Resp: 63838
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.8
 88 16.2 0.0 32.6

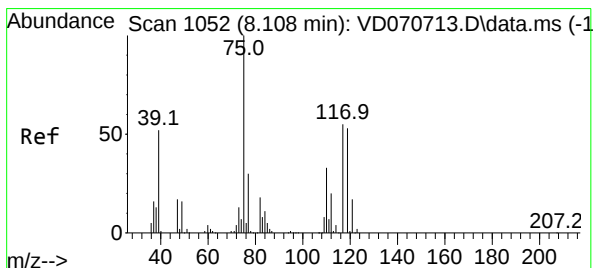
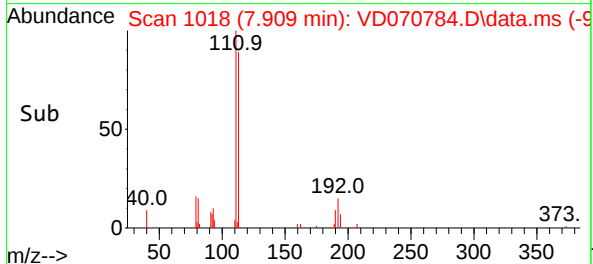
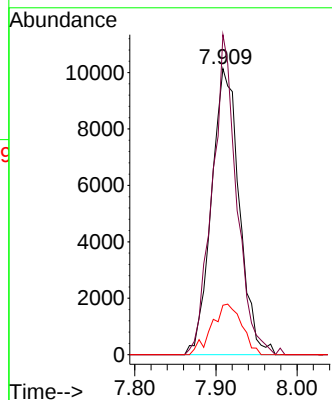
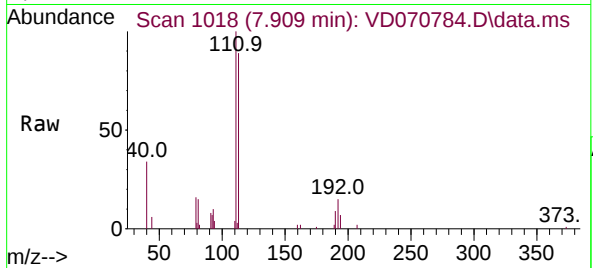




#35
Dibromofluoromethane
Concen: 59.094 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

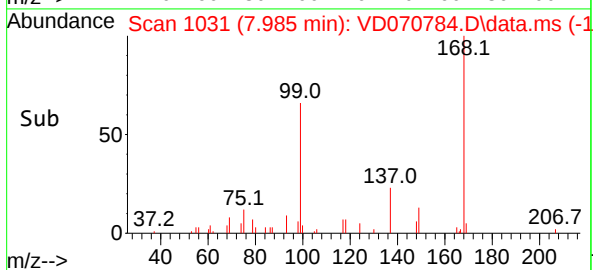
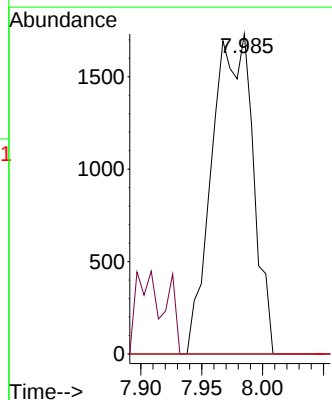
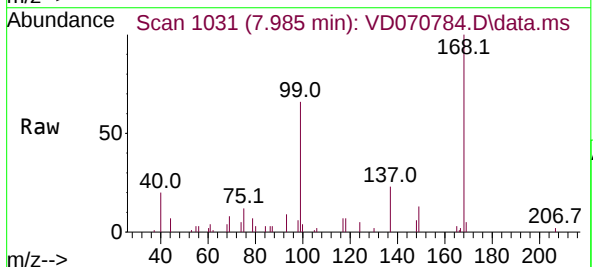
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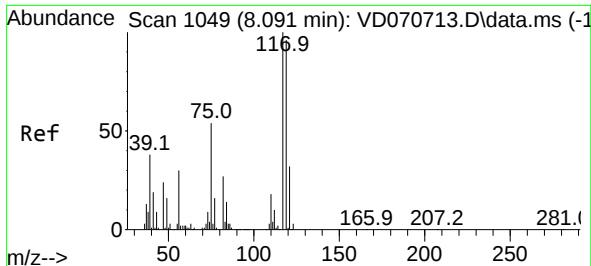
Tgt Ion:113 Resp: 24155
Ion Ratio Lower Upper
113 100
111 98.1 83.1 124.7
192 19.1 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 5.679 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.123 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

Tgt Ion: 75 Resp: 4039
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.6#
77 0.0 24.2 36.4#

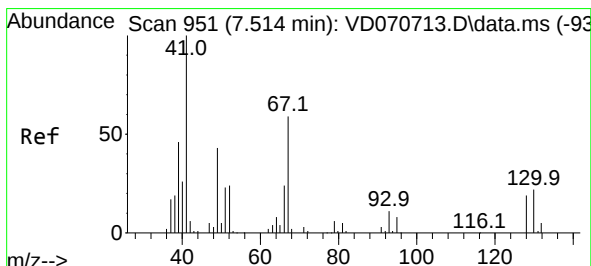
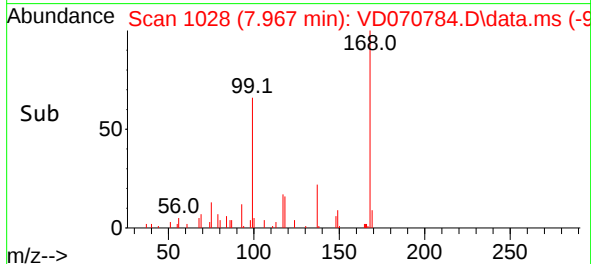
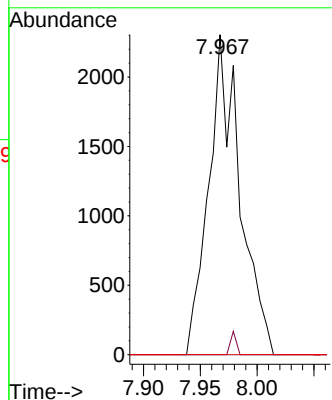
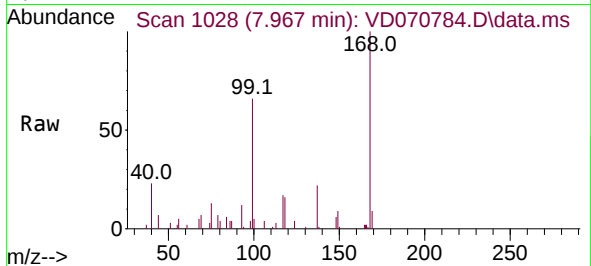




#38
Carbon Tetrachloride
Concen: 6.463 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

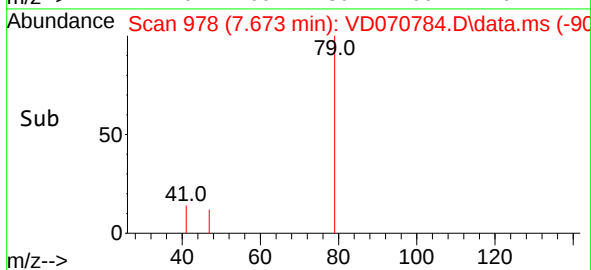
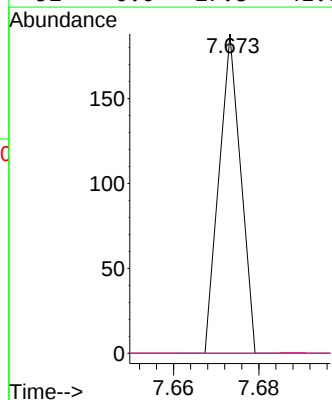
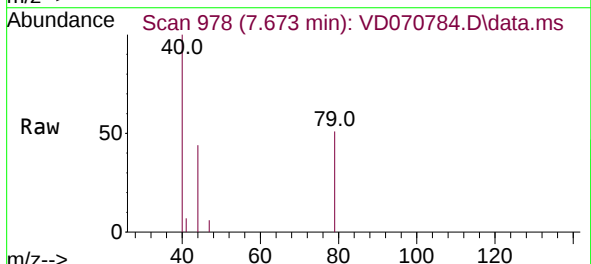
Instrument :
MSVOA_D
ClientSampleId :
MH-GA-(1)

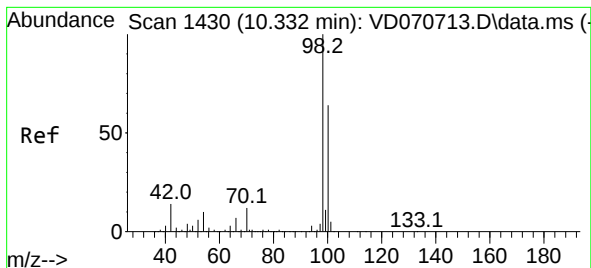
Tgt Ion:117 Resp: 4402
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#



#41
Methacrylonitrile
Concen: 2.285 ug/l
RT: 7.673 min Scan# 978
Delta R.T. 0.159 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

Tgt Ion: 41 Resp: 66
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 75.8 113.6#
52 0.0 27.8 41.8#

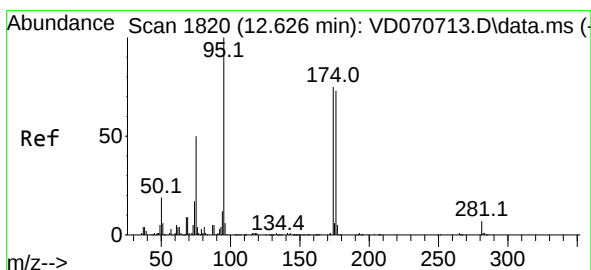
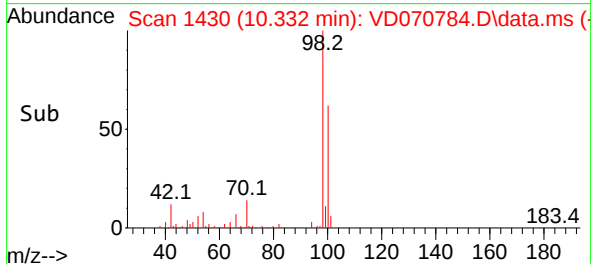
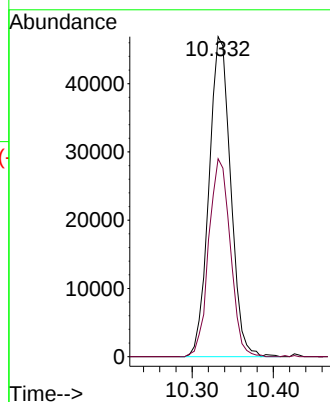
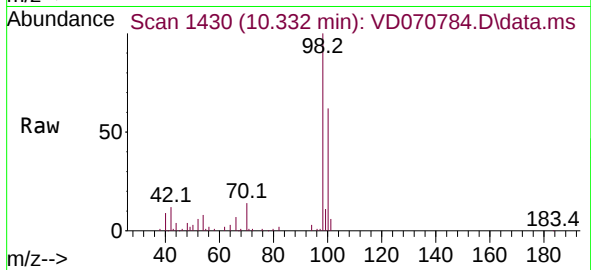




#50
Toluene-d8
Concen: 55.431 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

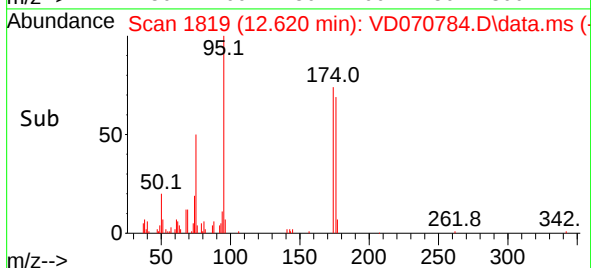
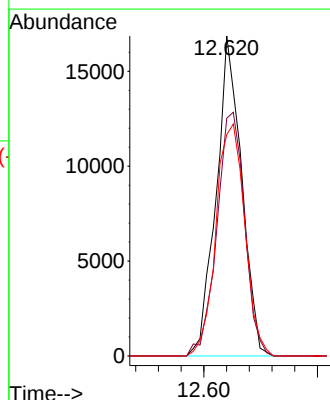
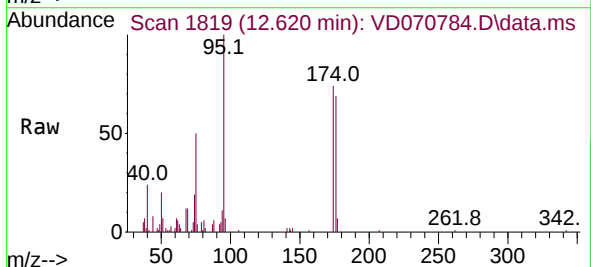
Instrument :
MSVOA_D
ClientSampleId :
MH-GA-(1)

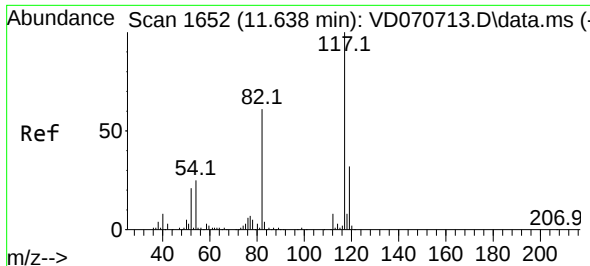
Tgt Ion: 98 Resp: 86856
Ion Ratio Lower Upper
98 100
100 61.5 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 48.551 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

Tgt Ion: 95 Resp: 26195
Ion Ratio Lower Upper
95 100
174 82.7 0.0 138.0
176 82.3 0.0 135.6

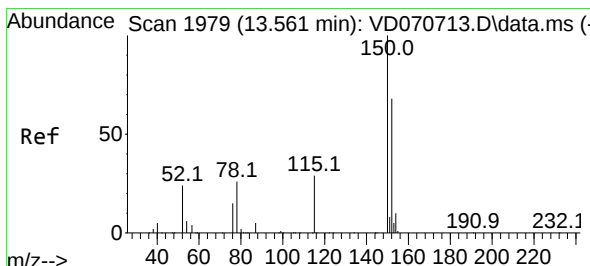
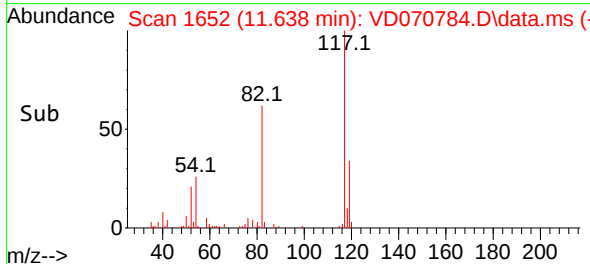
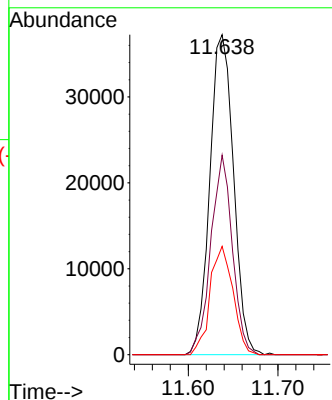
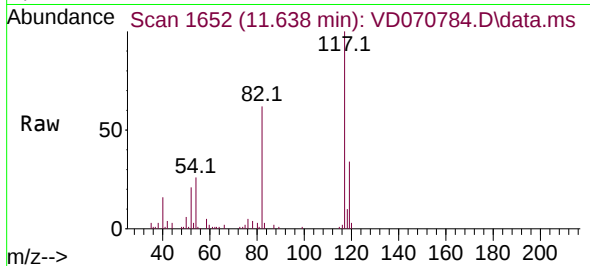




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

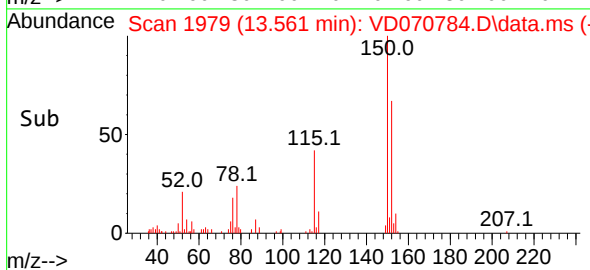
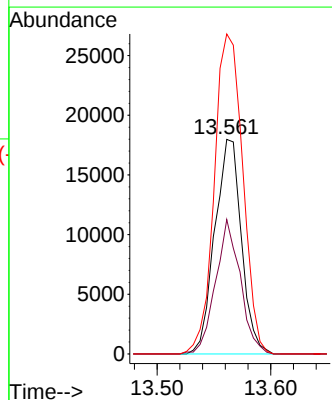
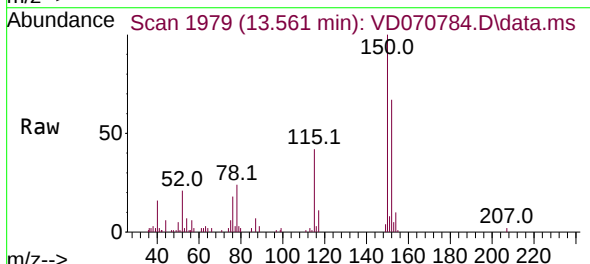
Instrument :
MSVOA_D
ClientSampleId :
MH-GA-(1)

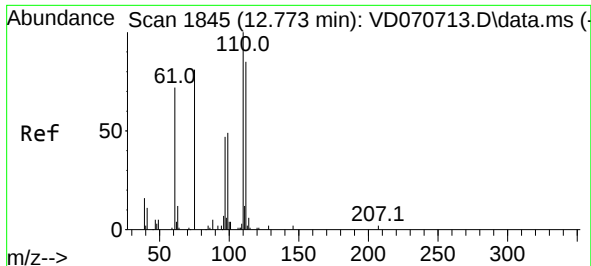
Tgt Ion:117 Resp: 68392
Ion Ratio Lower Upper
117 100
82 62.3 45.4 68.2
119 33.8 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

Tgt Ion:152 Resp: 29294
Ion Ratio Lower Upper
152 100
115 58.3 31.9 95.7
150 159.2 0.0 350.0

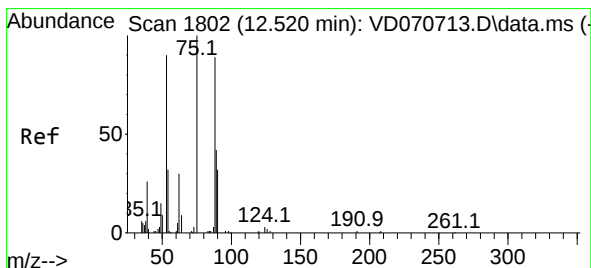
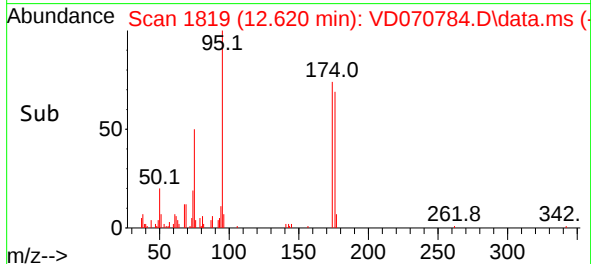
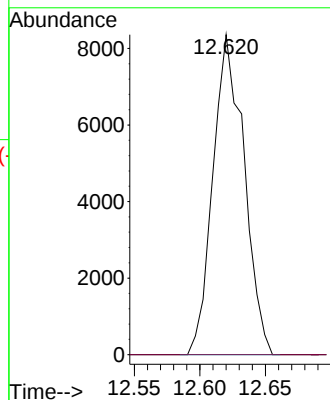
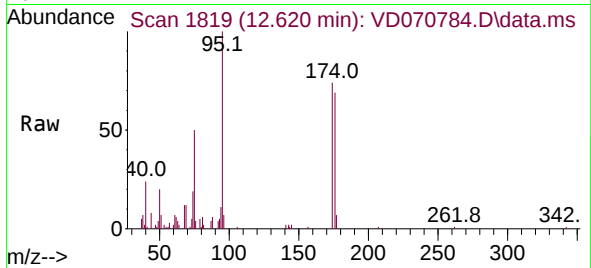




#76
1,2,3-Trichloropropane
Concen: 54.511 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

Instrument :
MSVOA_D
ClientSampleId :
MH-GA-(1)

Tgt Ion: 75 Resp: 13796
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 119.395 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070784.D
Acq: 20 Oct 2021 19:11

Tgt Ion: 75 Resp: 13796
Ion Ratio Lower Upper
75 100
53 0.9 64.5 96.7#
89 0.0 35.3 52.9#

