

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069890.D
 Acq On : 28 Jul 2021 15:54
 Operator : VA/SY
 Sample : M3215-01
 Misc : 5.43G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PS-1

Quant Time: Jul 29 04:00:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

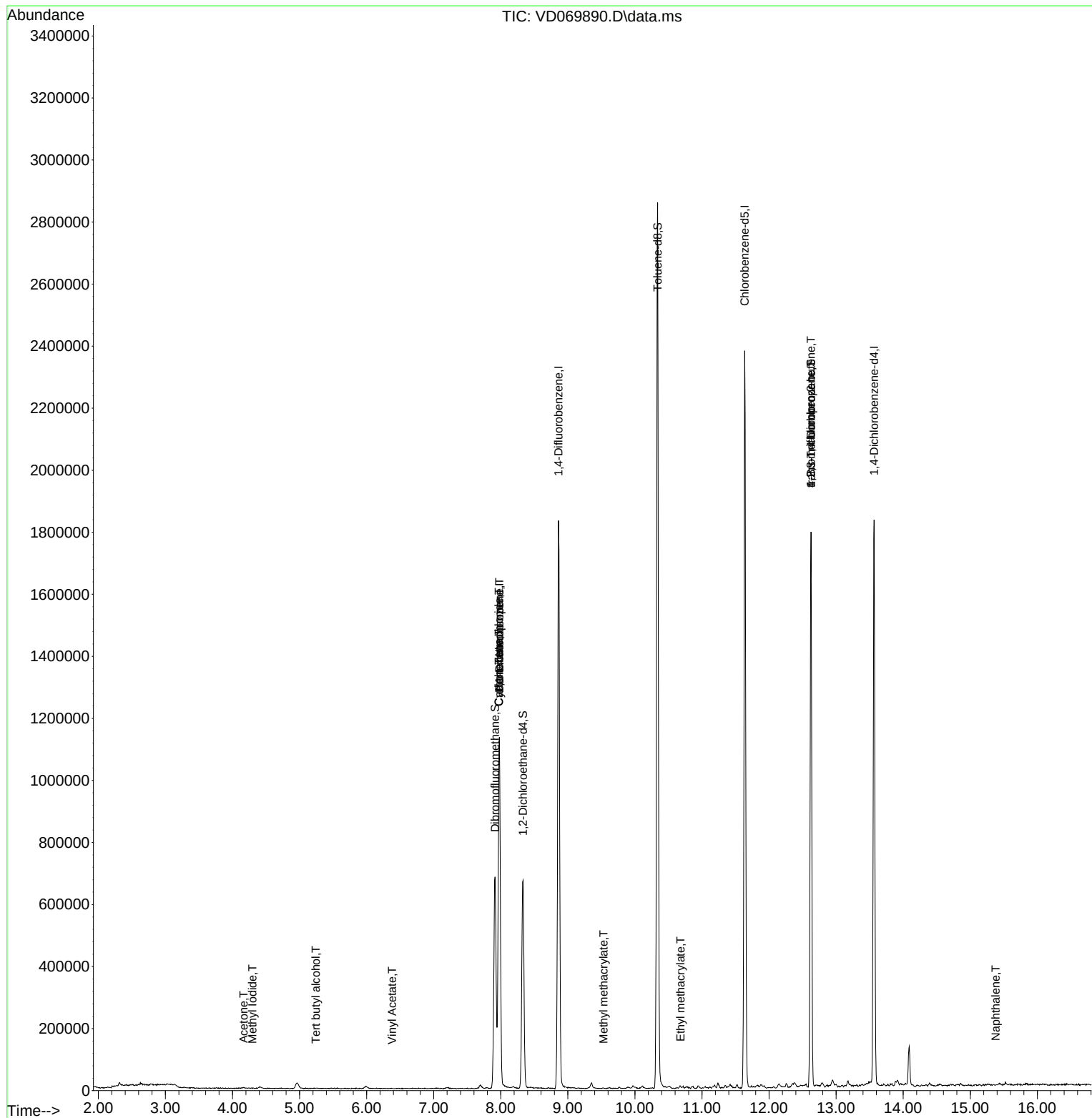
Internal Standards						
1) Pentafluorobenzene	7.979	168	803911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1571258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1382021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	485122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	548615	59.337	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.680%
35) Dibromofluoromethane	7.914	113	516855	52.180	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.360%
50) Toluene-d8	10.338	98	1953971	51.159	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.320%
62) 4-Bromofluorobenzene	12.626	95	564989	44.262	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.520%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	2738	Below Cal	#	63
10) Methyl Iodide	4.297	142	1549	3.607	ug/l	95
11) Tert butyl alcohol	5.244	59	520	1.087	ug/l #	73
16) Acetone	4.167	43	5101	3.054	ug/l #	38
20) Methylene Chloride	4.956	84	14104	Below Cal	#	86
23) Vinyl Acetate	6.379	43	131	20.357	ug/l #	71
31) Cyclohexane	7.973	56	21588	1.195	ug/l #	13
36) 1,1-Dichloropropene	7.979	75	71680	4.227	ug/l #	49
38) Carbon Tetrachloride	7.973	117	87295	5.636	ug/l #	17
48) Methyl methacrylate	9.532	41	808	2.876	ug/l #	48
56) Ethyl methacrylate	10.679	69	1032	3.982	ug/l #	10
76) 1,2,3-Trichloropropane	12.626	75	278503	54.010	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	278503	163.853	ug/l #	16
95) Naphthalene	15.379	128	1187	5.066	ug/l #	69

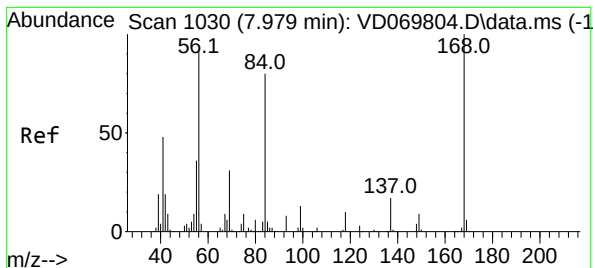
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD069890.D

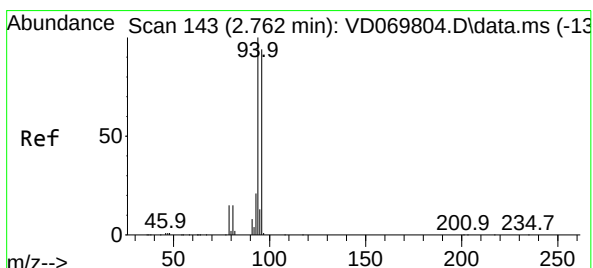
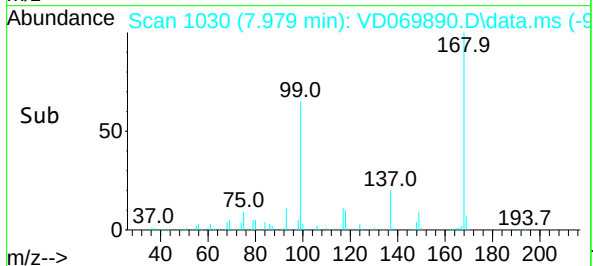
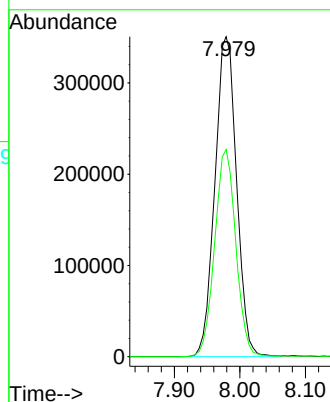
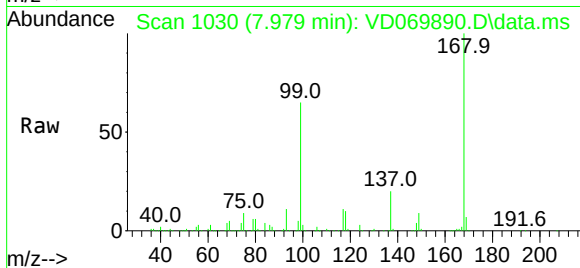
Acq: 28 Jul 2021 15:54

Tgt Ion:168 Resp: 803911

Ion Ratio Lower Upper

168 100

99 64.8 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.011 min

Lab File: VD069890.D

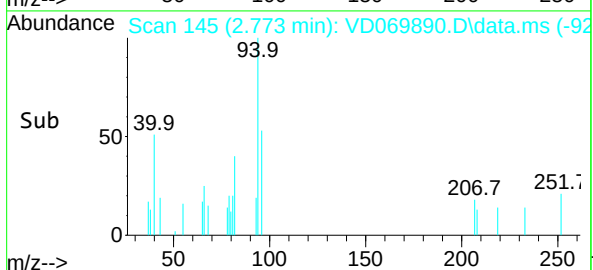
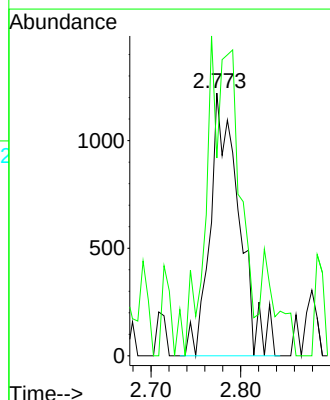
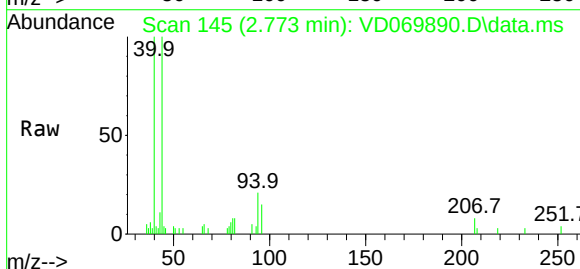
Acq: 28 Jul 2021 15:54

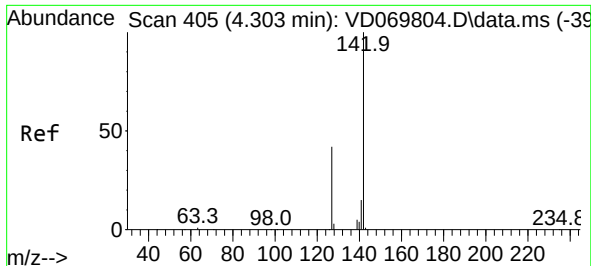
Tgt Ion: 94 Resp: 2738

Ion Ratio Lower Upper

94 100

96 58.2 74.8 112.2#

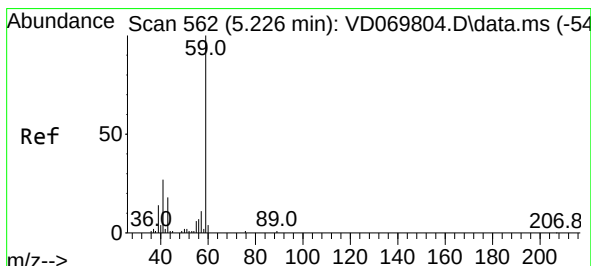
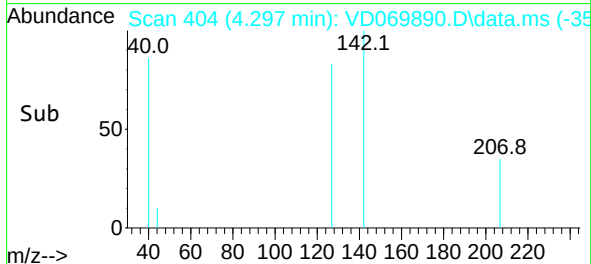
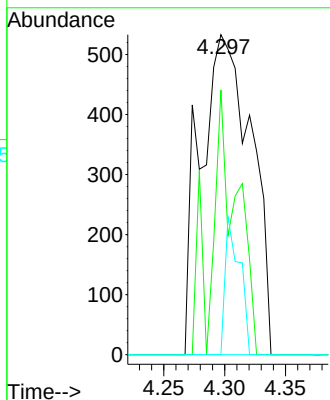
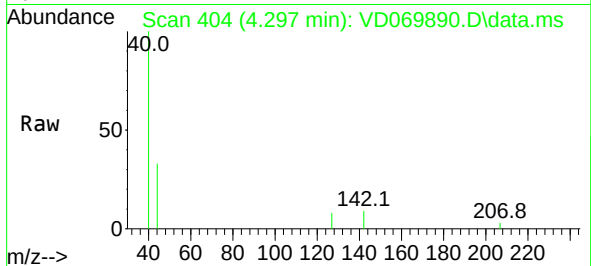




#10
Methyl Iodide
Concen: 3.607 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

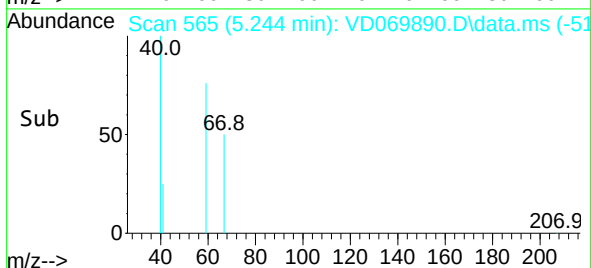
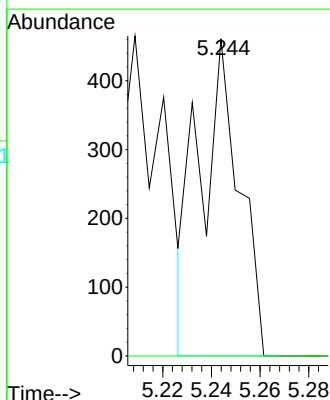
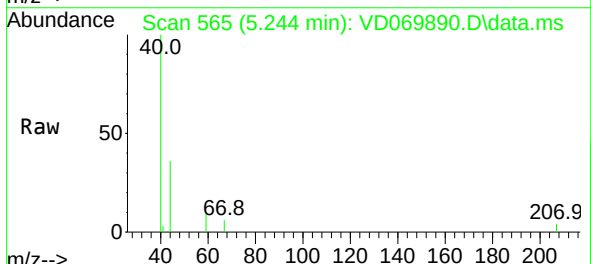
Instrument :
MSVOA_D
ClientSampleId :
PS-1

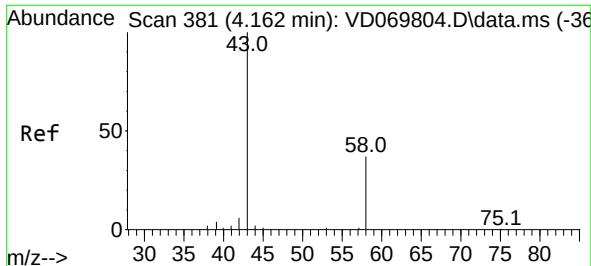
Tgt Ion:142 Resp: 1549
Ion Ratio Lower Upper
142 100
127 42.0 35.7 53.5
141 12.3 12.0 18.0



#11
Tert butyl alcohol
Concen: 1.087 ug/l
RT: 5.244 min Scan# 565
Delta R.T. 0.018 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

Tgt Ion: 59 Resp: 520
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

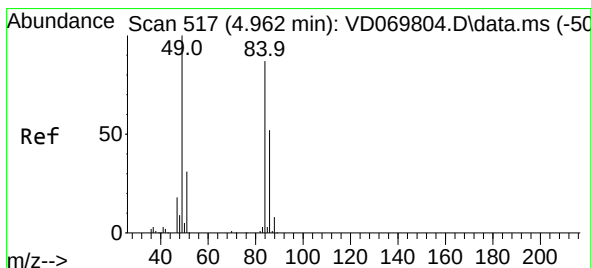
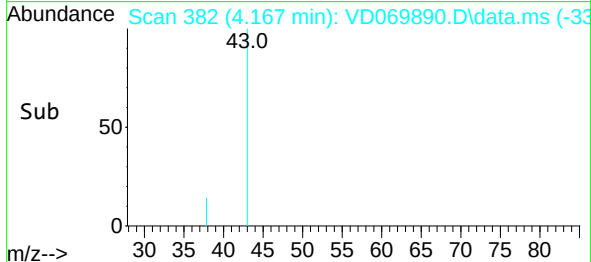
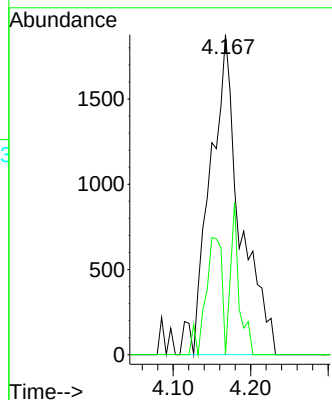
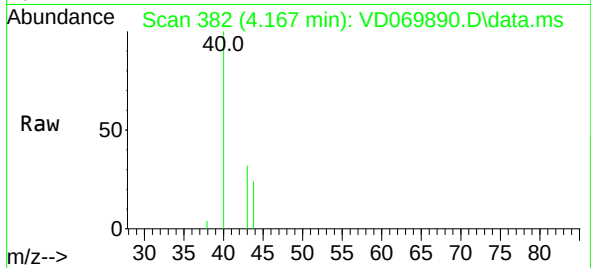




#16
Acetone
Concen: 3.054 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

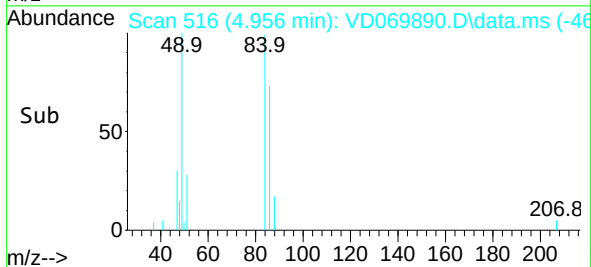
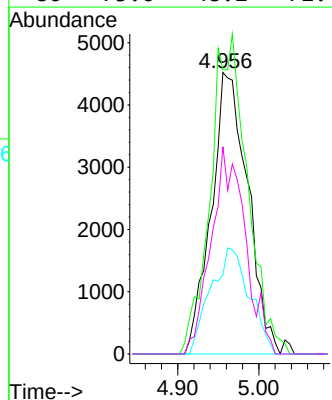
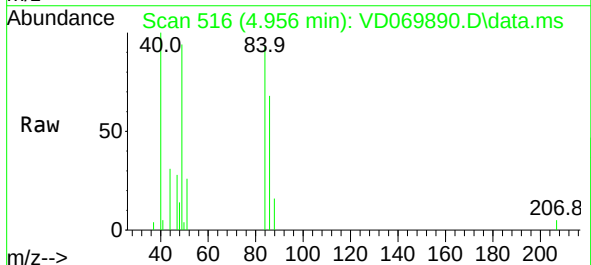
Instrument :
MSVOA_D
ClientSampled :
PS-1

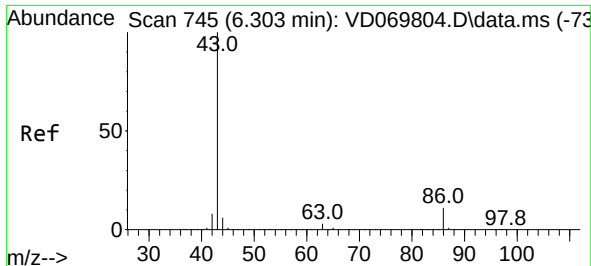
Tgt Ion: 43 Resp: 5101
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

Tgt Ion: 84 Resp: 14104
Ion Ratio Lower Upper
84 100
49 101.0 92.4 138.6
51 28.2 28.5 42.7#
86 73.6 48.2 72.4#

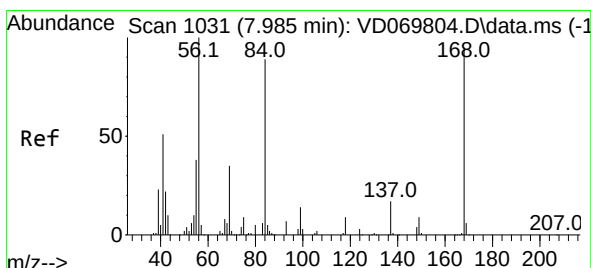
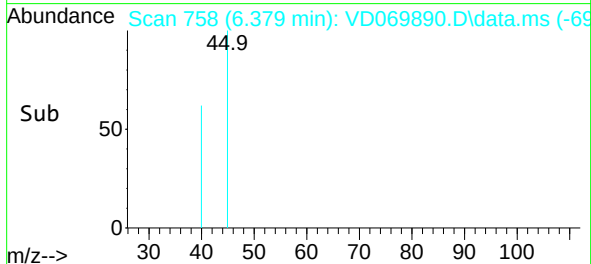
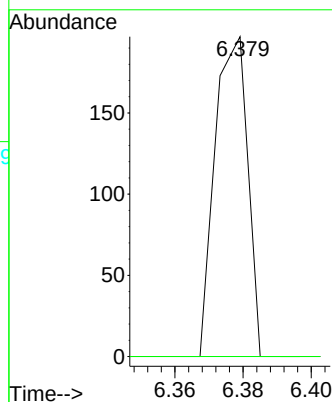
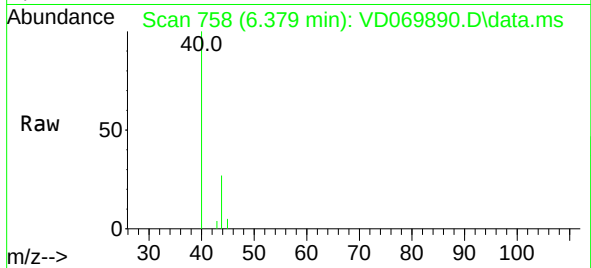




#23
 Vinyl Acetate
 Concen: 20.357 ug/l
 RT: 6.379 min Scan# 758
 Delta R.T. 0.076 min
 Lab File: VD069890.D
 Acq: 28 Jul 2021 15:54

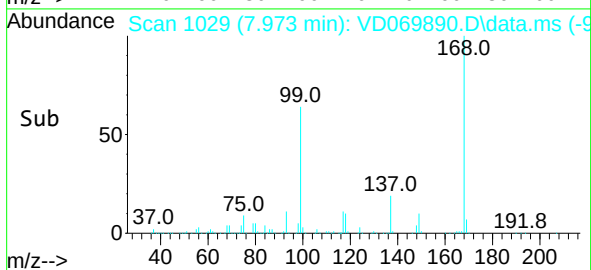
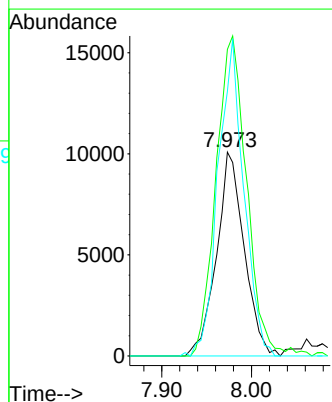
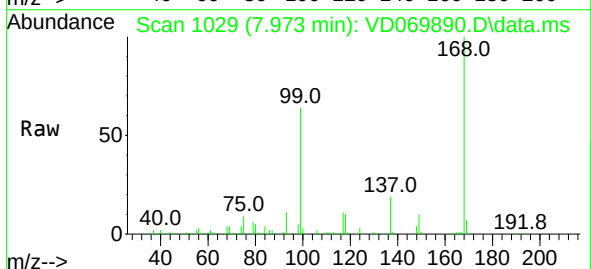
Instrument :
 MSVOA_D
 ClientSampled :
 PS-1

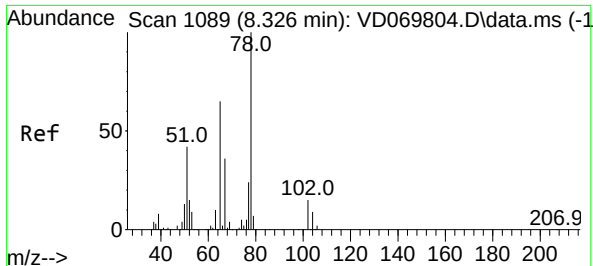
Tgt Ion: 43 Resp: 131
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.195 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD069890.D
 Acq: 28 Jul 2021 15:54

Tgt Ion: 56 Resp: 21588
 Ion Ratio Lower Upper
 56 100
 69 150.4 27.9 41.9#
 84 129.8 71.4 107.2#

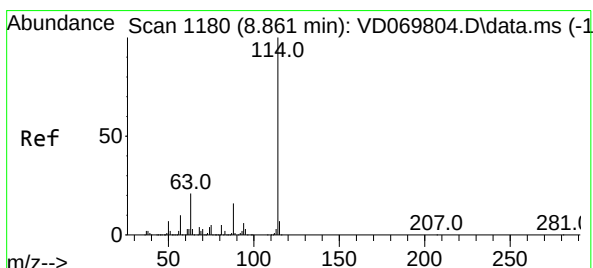
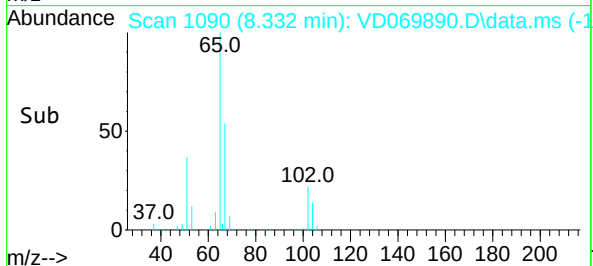
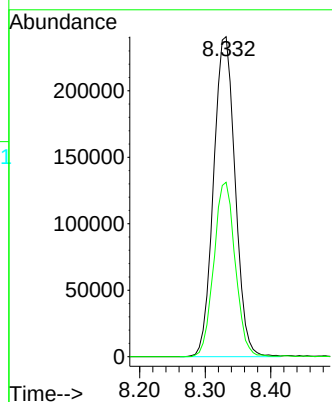
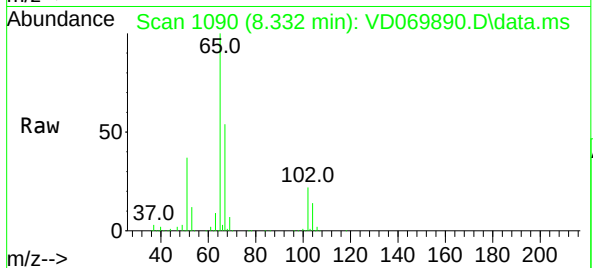




#33
1,2-Dichloroethane-d4
Concen: 59.337 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

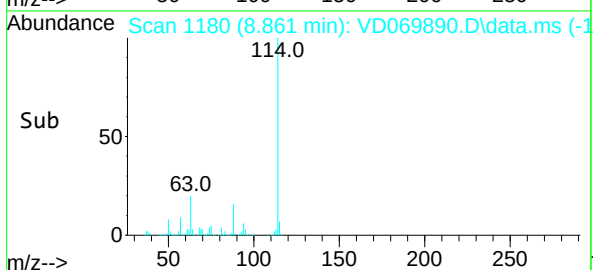
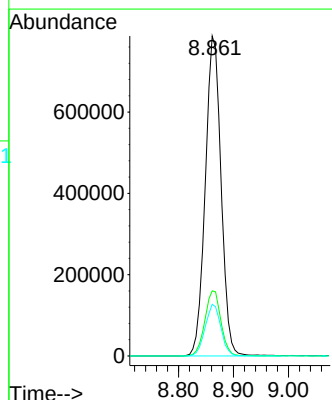
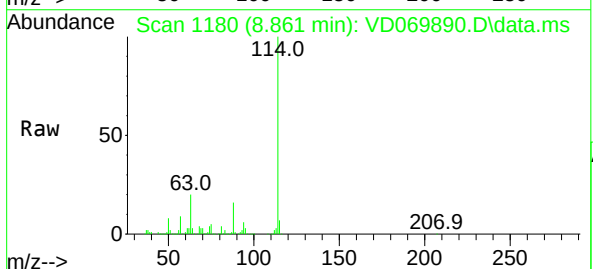
Instrument :
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ClientSampleId :
PS-1

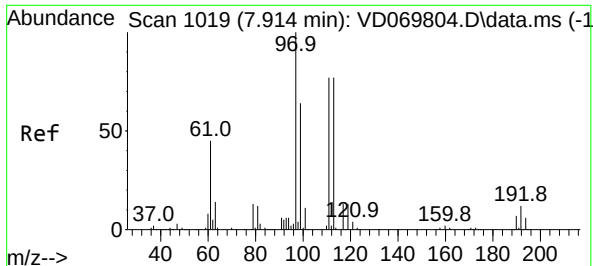
Tgt Ion: 65 Resp: 548615
Ion Ratio Lower Upper
65 100
67 54.0 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

Tgt Ion: 114 Resp: 1571258
Ion Ratio Lower Upper
114 100
63 20.3 0.0 41.6
88 16.1 0.0 31.4



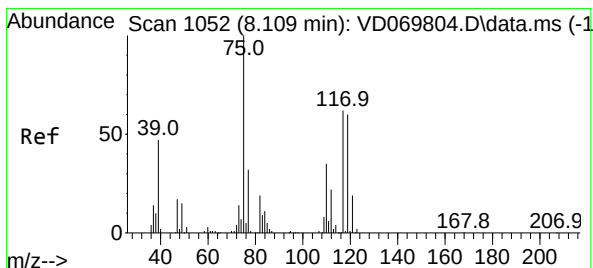
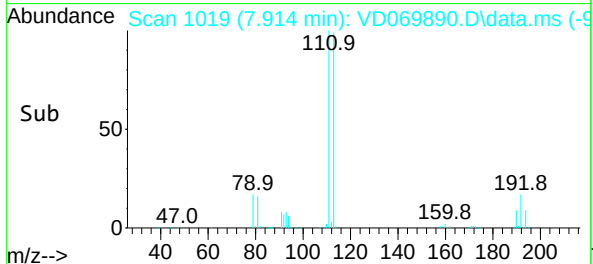
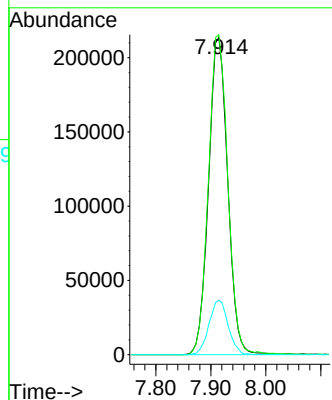
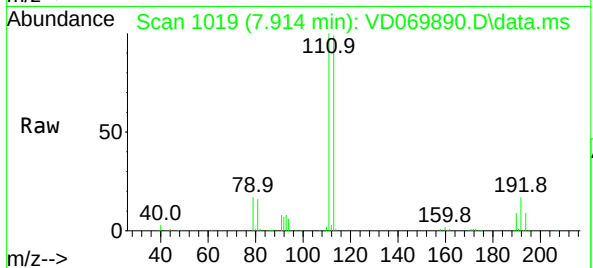


#35

Dibromofluoromethane
Concen: 52.180 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

Instrument :
MSVOA_D
ClientSampled :
PS-1

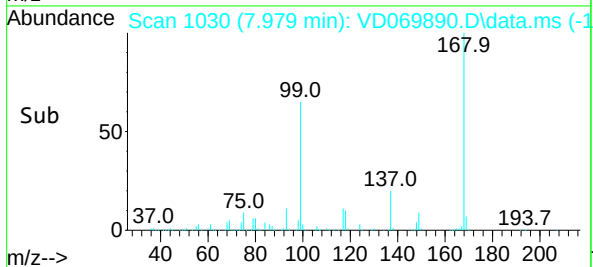
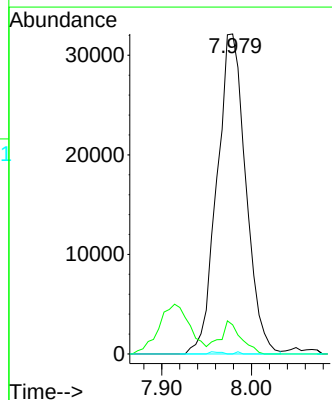
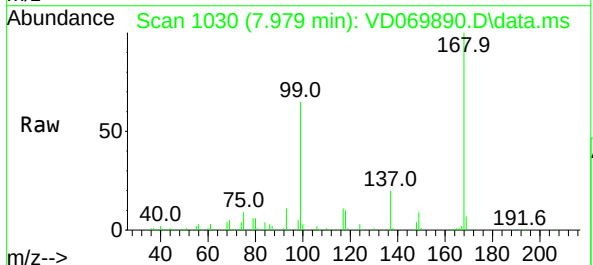
Tgt Ion:113 Resp: 516855
Ion Ratio Lower Upper
113 100
111 102.2 80.5 120.7
192 17.3 12.6 19.0

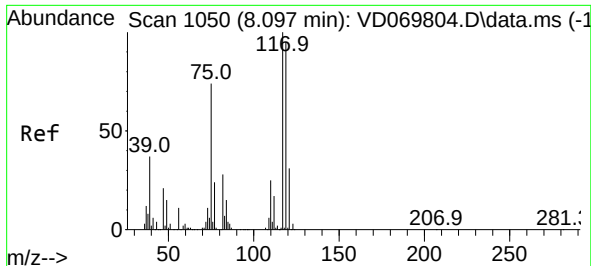


#36

1,1-Dichloropropene
Concen: 4.227 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

Tgt Ion: 75 Resp: 71680
Ion Ratio Lower Upper
75 100
110 7.5 16.9 50.7#
77 0.1 24.9 37.3#

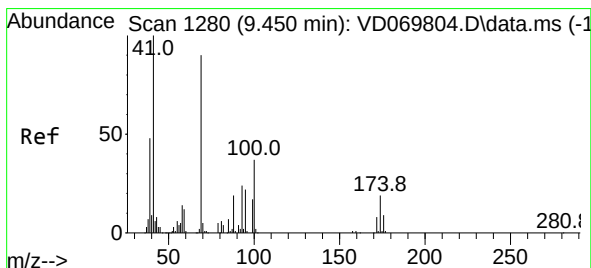
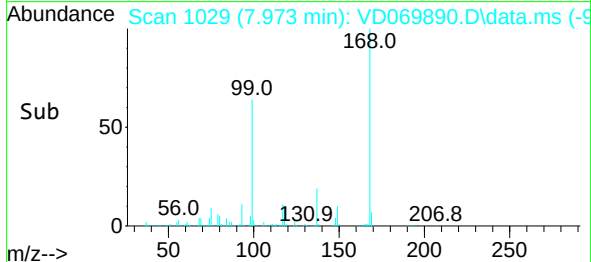
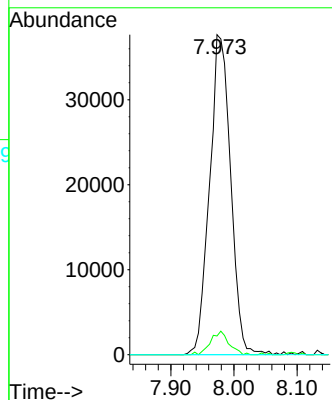
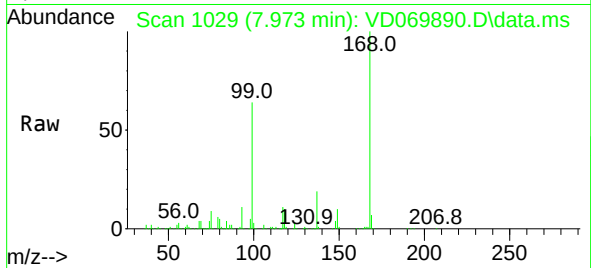




#38
Carbon Tetrachloride
Concen: 5.636 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

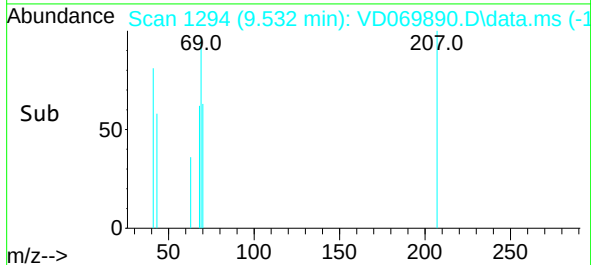
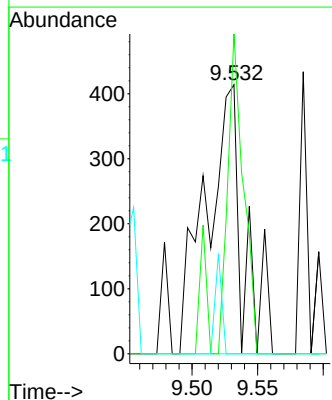
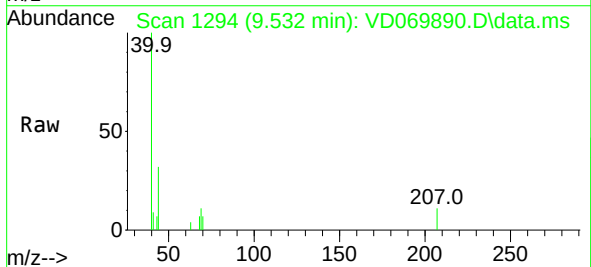
Instrument :
MSVOA_D
ClientSampled :
PS-1

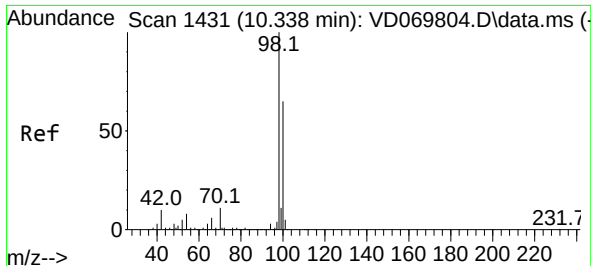
Tgt Ion:117 Resp: 87295
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.876 ug/l
RT: 9.532 min Scan# 1294
Delta R.T. 0.082 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

Tgt Ion: 41 Resp: 808
Ion Ratio Lower Upper
41 100
69 50.7 73.4 110.2#
39 0.0 36.6 55.0#

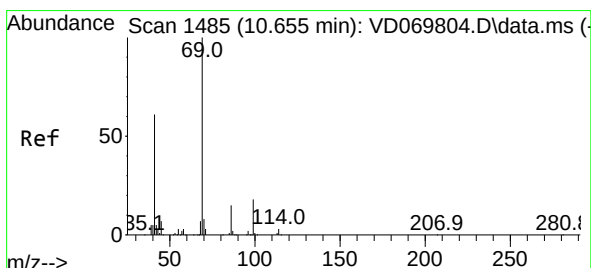
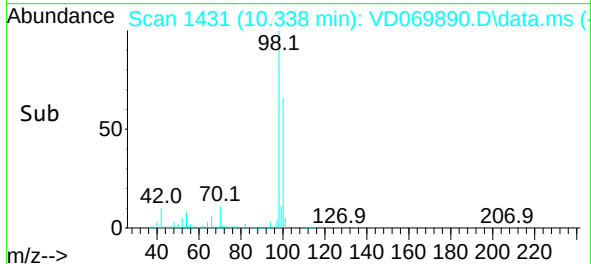
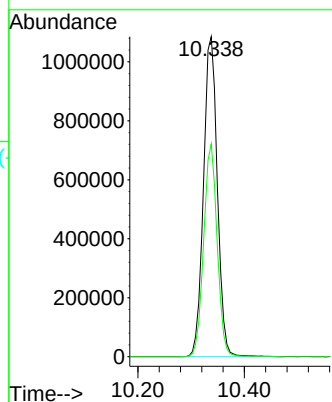
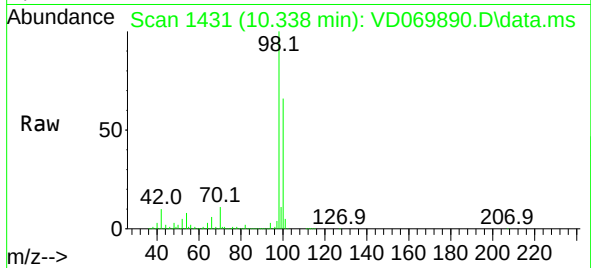




#50
Toluene-d8
Concen: 51.159 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

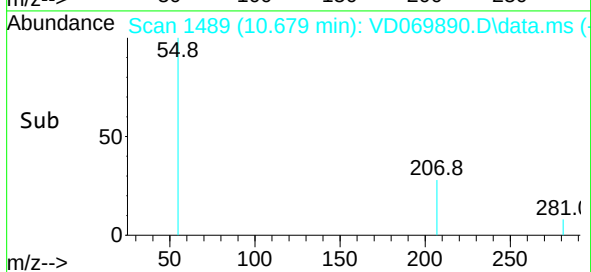
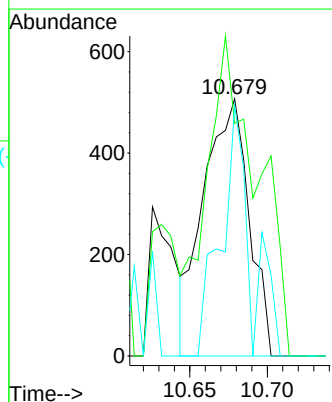
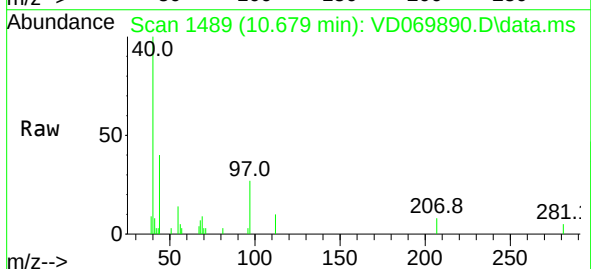
Instrument :
MSVOA_D
ClientSampled :
PS-1

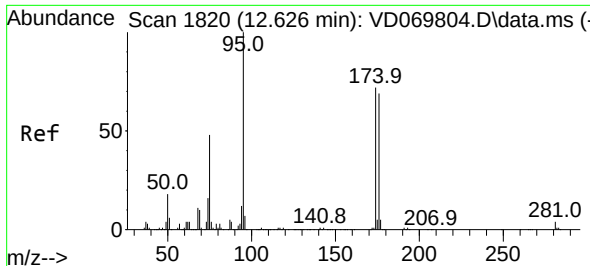
Tgt Ion: 98 Resp: 1953971
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.982 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

Tgt Ion: 69 Resp: 1032
Ion Ratio Lower Upper
69 100
41 139.0 50.2 75.2#
39 64.3 22.0 33.0#

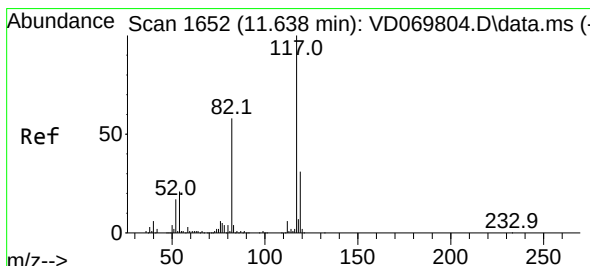
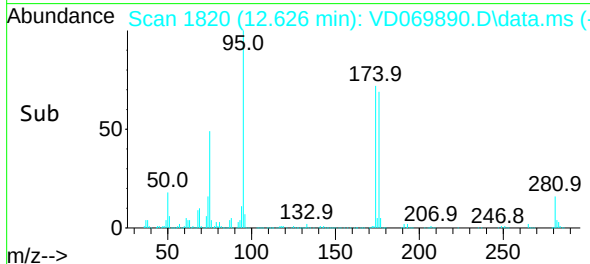
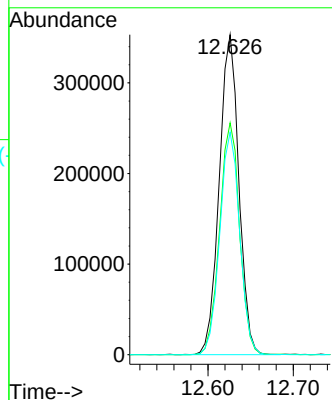
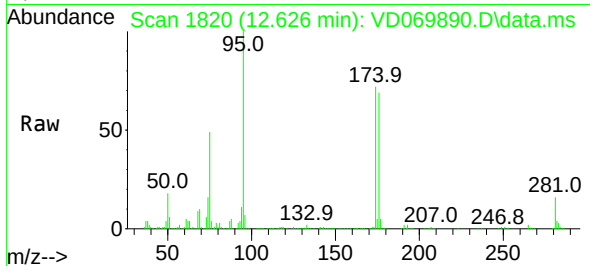




#62
4-Bromofluorobenzene
Concen: 44.262 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

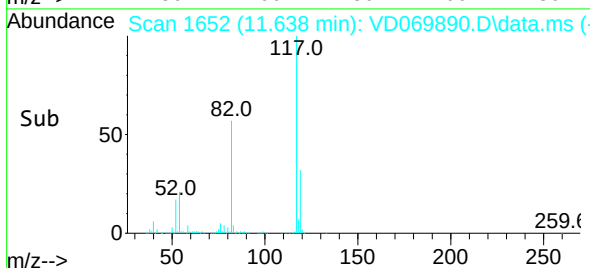
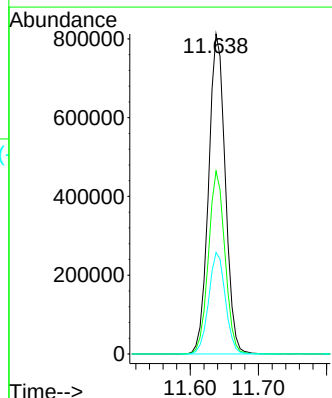
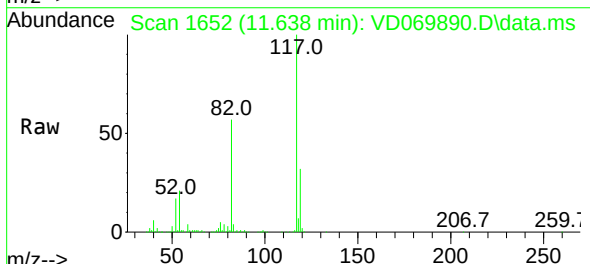
Instrument :
MSVOA_D
ClientSampleId :
PS-1

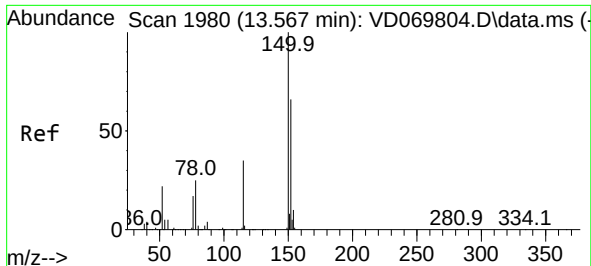
Tgt Ion: 95 Resp: 564989
Ion Ratio Lower Upper
95 100
174 73.7 0.0 142.6
176 70.4 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

Tgt Ion: 117 Resp: 1382021
Ion Ratio Lower Upper
117 100
82 57.1 46.3 69.5
119 31.7 24.7 37.1

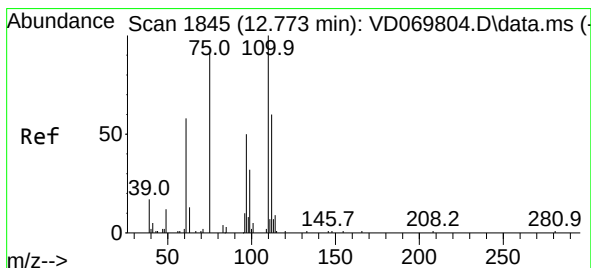
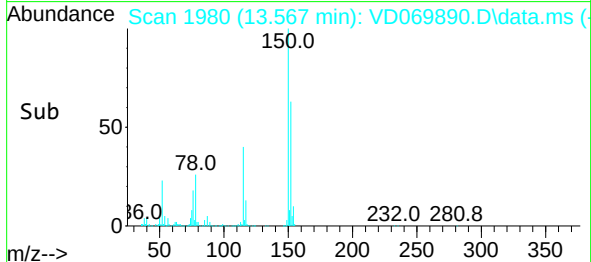
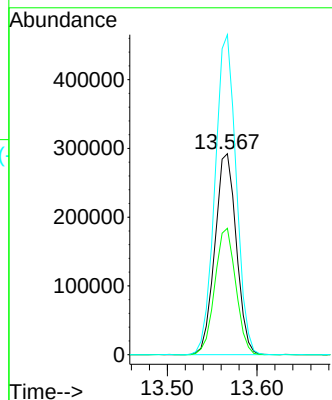
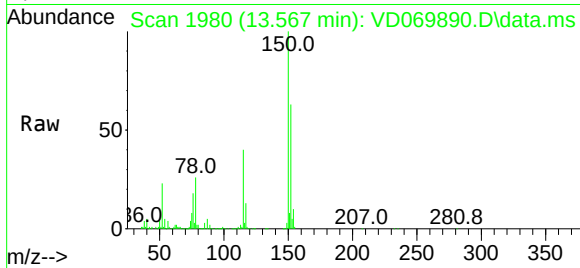




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

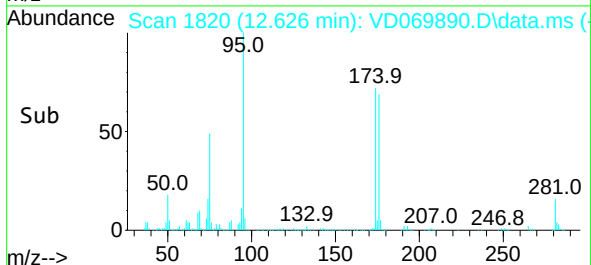
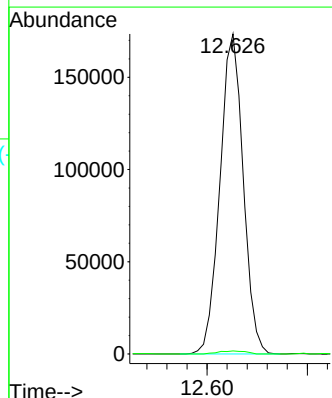
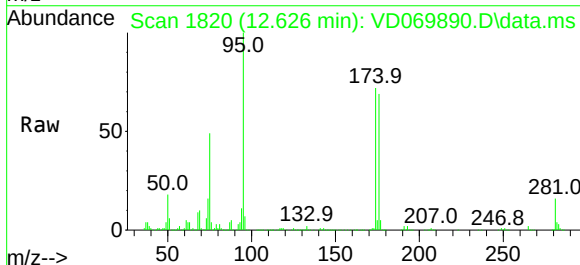
Instrument :
MSVOA_D
ClientSampleId :
PS-1

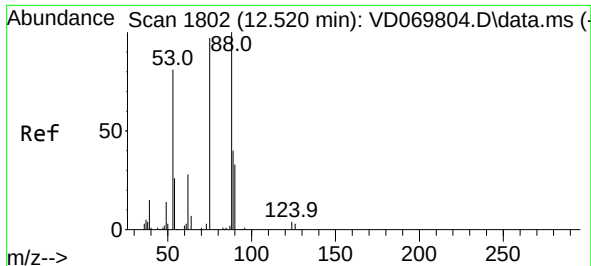
Tgt Ion:152 Resp: 485122
Ion Ratio Lower Upper
152 100
115 61.6 31.1 93.3
150 157.2 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 54.010 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

Tgt Ion: 75 Resp: 278503
Ion Ratio Lower Upper
75 100
77 1.1 181.5 544.5#

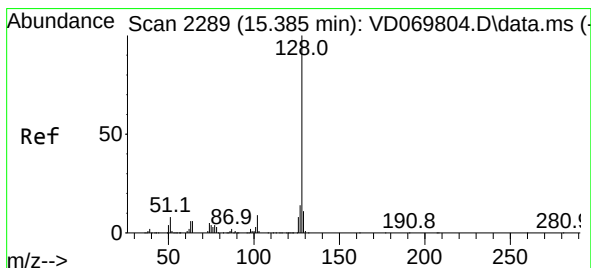
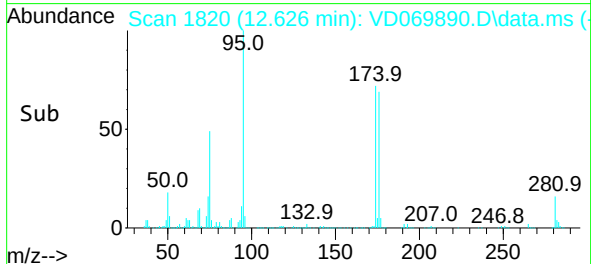
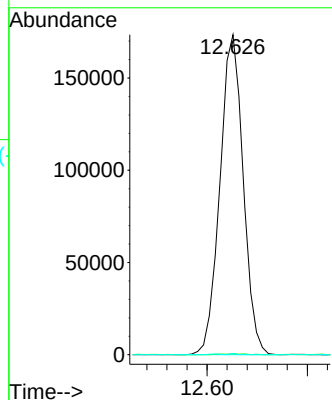
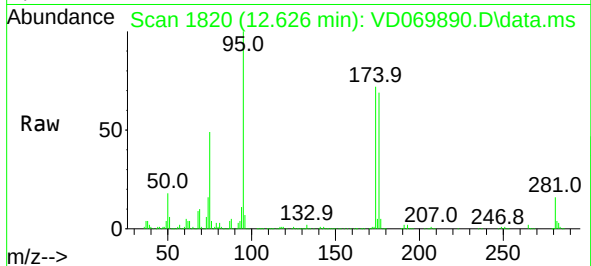




#81
trans-1,4-Dichloro-2-butene
Concen: 163.853 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

Instrument :
MSVOA_D
ClientSampleId :
PS-1

Tgt Ion: 75 Resp: 278503
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.1 35.8 53.6#



#95
Naphthalene
Concen: 5.066 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD069890.D
Acq: 28 Jul 2021 15:54

Tgt Ion: 128 Resp: 1187
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

