

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070034.D
 Acq On : 11 Aug 2021 20:23
 Operator : VA/SY
 Sample : M3331-09
 Misc : 5.10G/5.00ml/MSVOA_D/soil
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BSY1-SB-13-1-2

Quant Time: Aug 12 05:32:49 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)

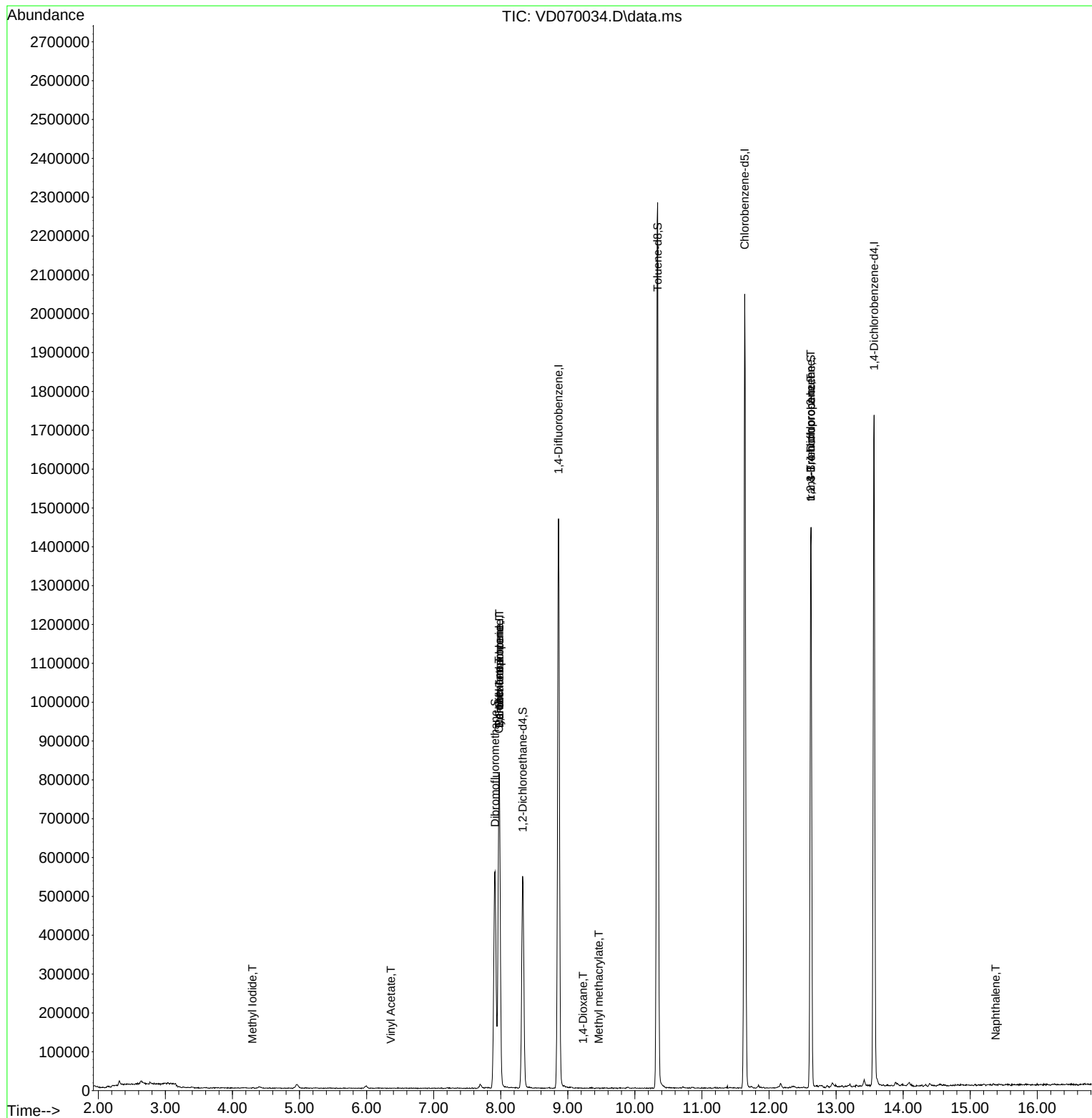
Internal Standards						
1) Pentafluorobenzene	7.979	168	587925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1249987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1178404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	459607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	435593	64.421	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.840%			
35) Dibromofluoromethane	7.914	113	425083	53.945	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.900%			
50) Toluene-d8	10.338	98	1614961	53.151	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.300%			
62) 4-Bromofluorobenzene	12.626	95	489179	48.173	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.340%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	2405	Below Cal	#	45
10) Methyl Iodide	4.297	142	778	3.562	ug/l #	52
20) Methylene Chloride	4.950	84	6958	Below Cal	#	80
23) Vinyl Acetate	6.362	43	56	20.354	ug/l #	71
31) Cyclohexane	7.973	56	13930	1.054	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	50442	3.739	ug/l #	49
38) Carbon Tetrachloride	7.979	117	61848	5.019	ug/l #	19
48) Methyl methacrylate	9.461	41	221	2.791	ug/l #	33
49) 1,4-Dioxane	9.226	88	56	1.050	ug/l #	21
76) 1,2,3-Trichloropropane	12.620	75	235628	48.232	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	235628	146.324	ug/l #	16
95) Naphthalene	15.379	128	451	5.026	ug/l #	69

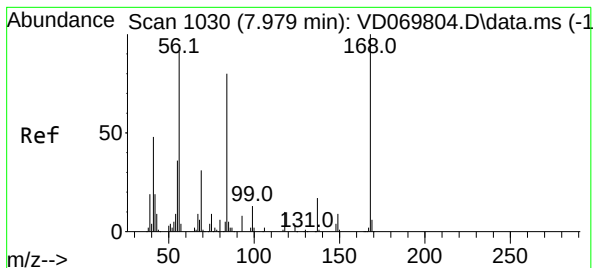
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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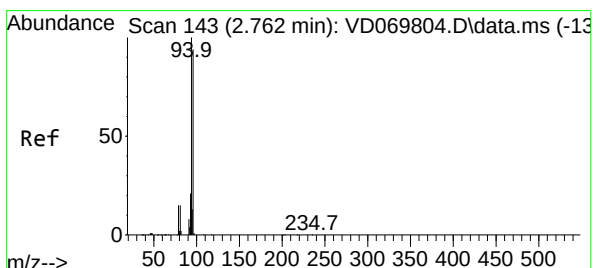
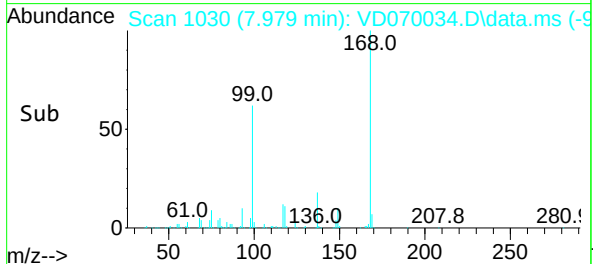
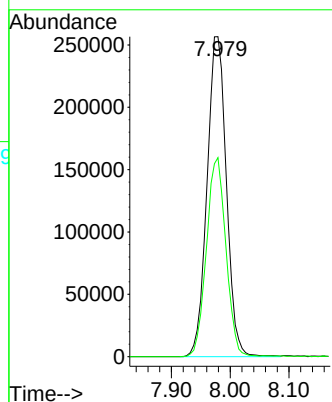
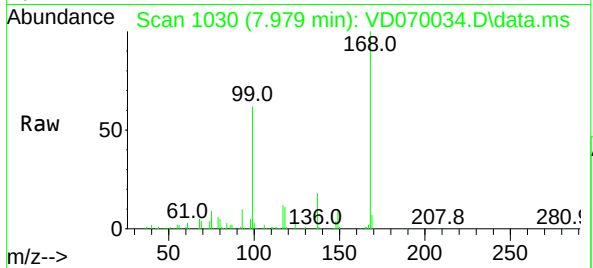




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

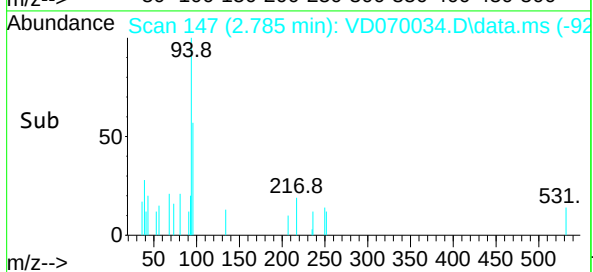
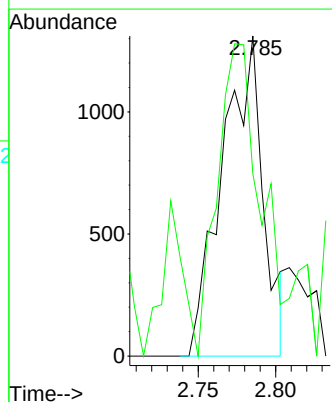
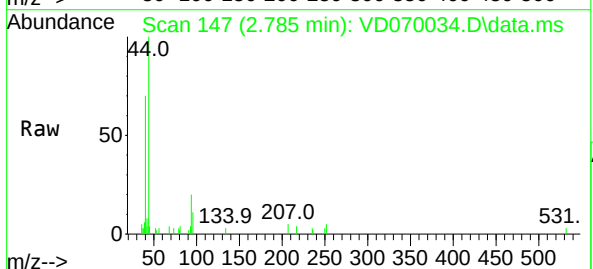
Instrument :
MSVOA_D
ClientSampleId :
BSY1-SB-13-1-2

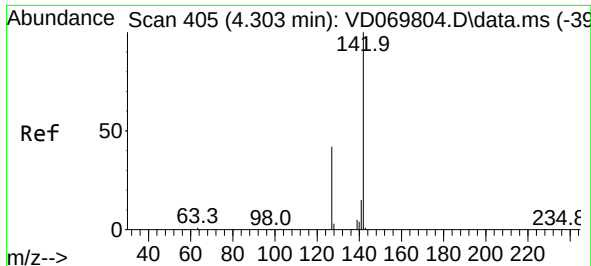
Tgt Ion:168 Resp: 587925
Ion Ratio Lower Upper
168 100
99 62.2 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

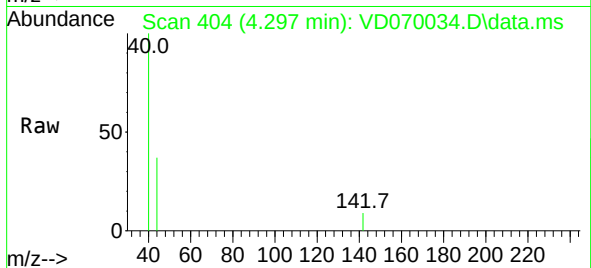
Tgt Ion: 94 Resp: 2405
Ion Ratio Lower Upper
94 100
96 40.9 74.8 112.2#



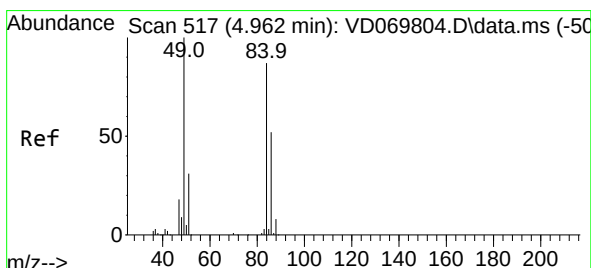
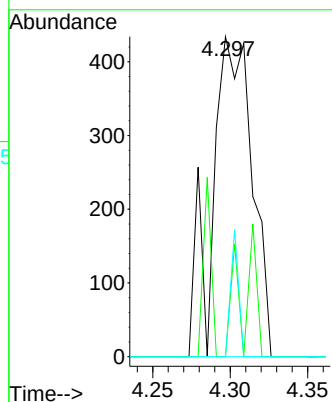
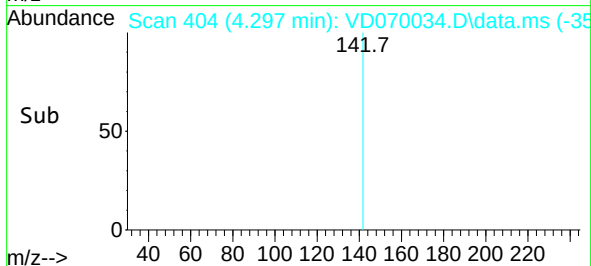


#10
Methyl Iodide
Concen: 3.562 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

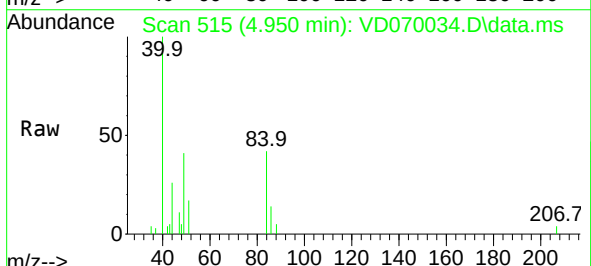
Instrument :
MSVOA_D
ClientSampleId :
BSY1-SB-13-1-2



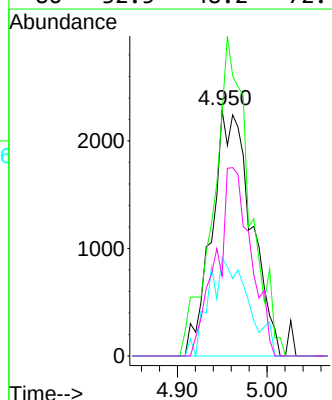
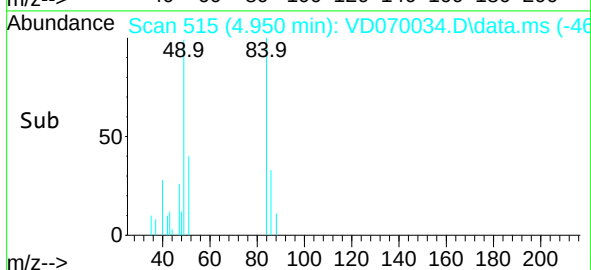
Tgt Ion:142 Resp: 778
Ion Ratio Lower Upper
142 100
127 6.9 35.7 53.5#
141 7.8 12.0 18.0#

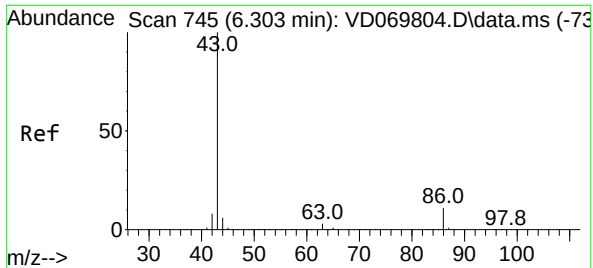


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23



Tgt Ion: 84 Resp: 6958
Ion Ratio Lower Upper
84 100
49 98.5 92.4 138.6
51 39.9 28.5 42.7
86 32.5 48.2 72.4#

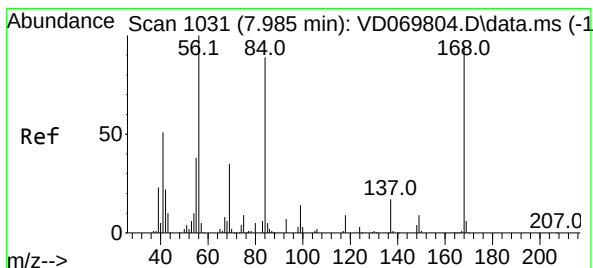
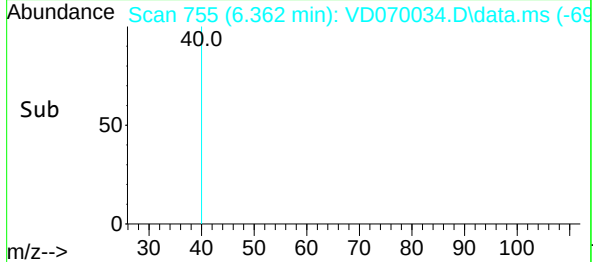
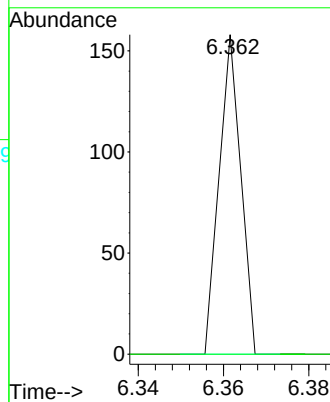
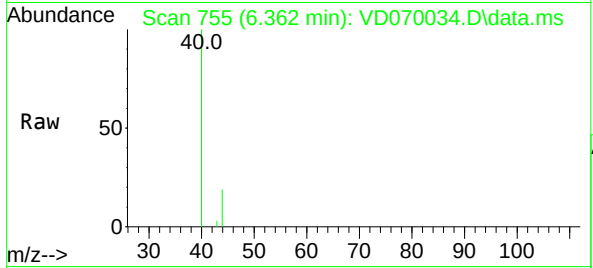




#23
 Vinyl Acetate
 Concen: 20.354 ug/l
 RT: 6.362 min Scan# 755
 Delta R.T. 0.059 min
 Lab File: VD070034.D
 Acq: 11 Aug 2021 20:23

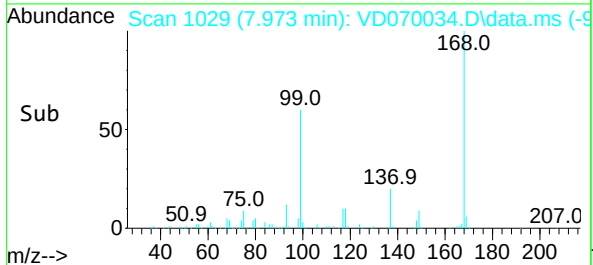
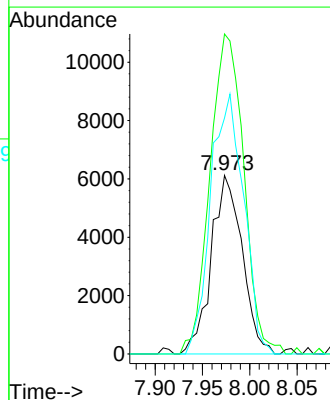
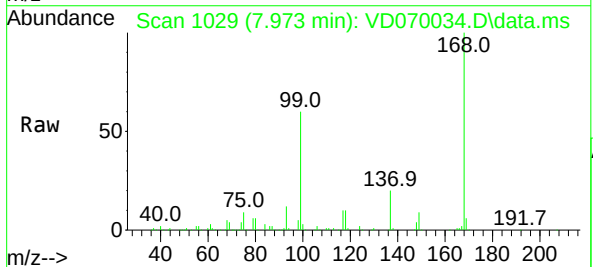
Instrument :
 MSVOA_D
 ClientSampleId :
 BSY1-SB-13-1-2

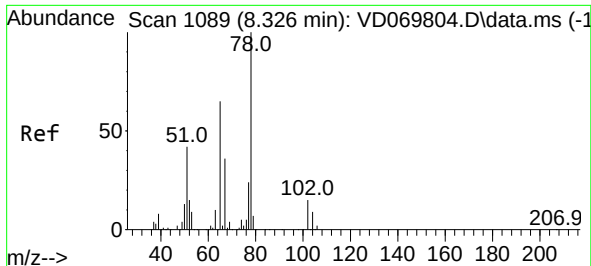
Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.054 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD070034.D
 Acq: 11 Aug 2021 20:23

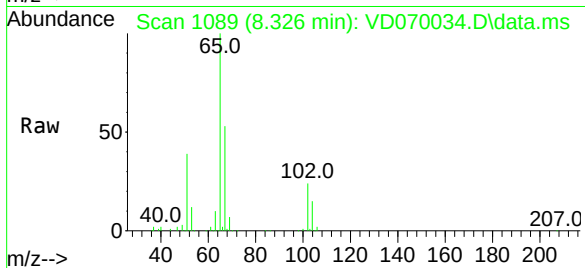
Tgt Ion: 56 Resp: 13930
 Ion Ratio Lower Upper
 56 100
 69 179.2 27.9 41.9#
 84 132.2 71.4 107.2#



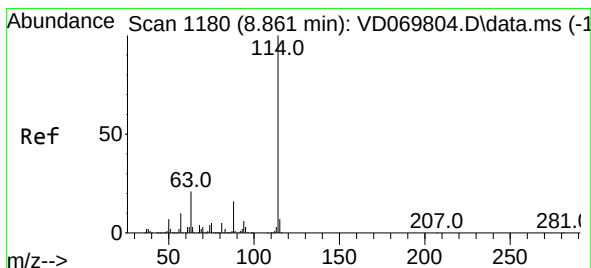
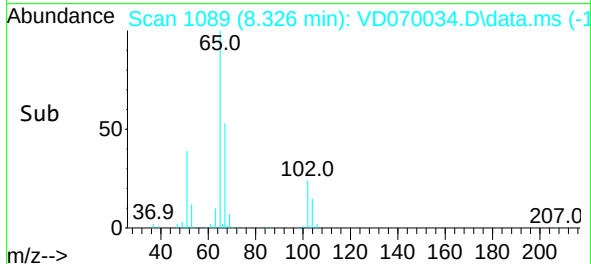
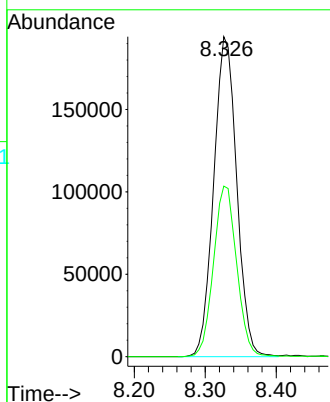


#33
1,2-Dichloroethane-d4
Concen: 64.421 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

Instrument :
MSVOA_D
ClientSampleId :
BSY1-SB-13-1-2

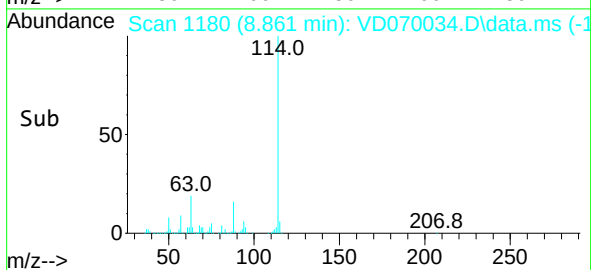
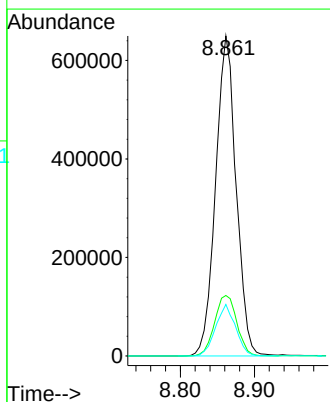
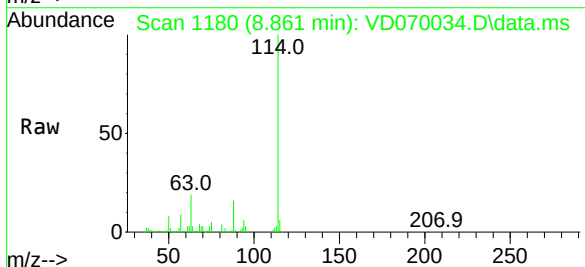


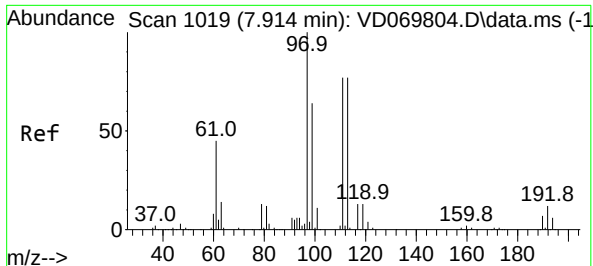
Tgt Ion: 65 Resp: 435593
Ion Ratio Lower Upper
65 100
67 53.8 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

Tgt Ion: 114 Resp: 1249987
Ion Ratio Lower Upper
114 100
63 18.9 0.0 41.6
88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.945 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070034.D

Acq: 11 Aug 2021 20:23

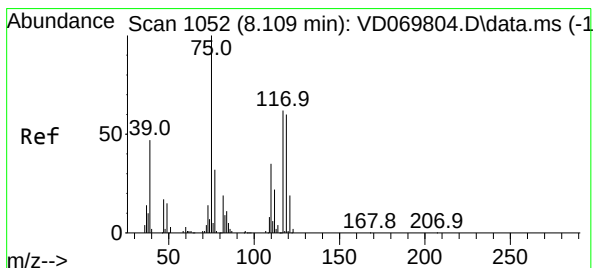
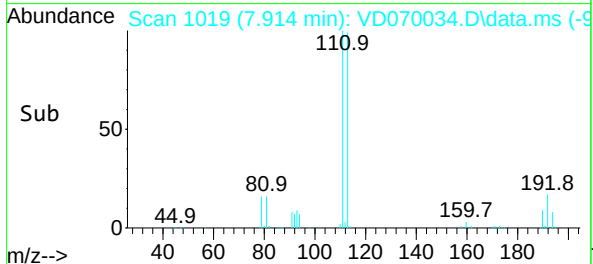
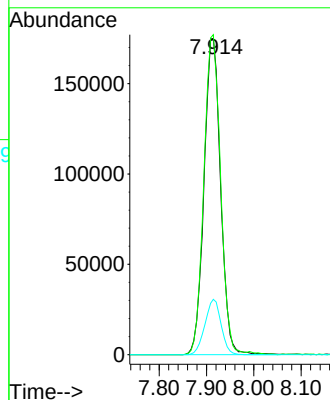
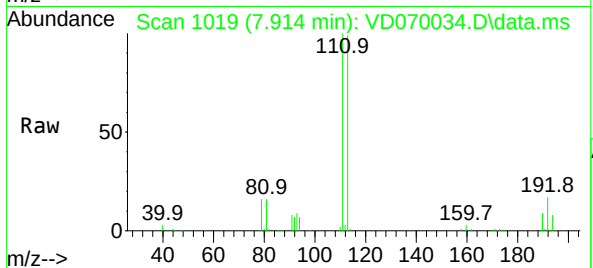
Tgt Ion:113 Resp: 425083

Ion Ratio Lower Upper

113 100

111 102.2 80.5 120.7

192 17.0 12.6 19.0



#36

1,1-Dichloropropene

Concen: 3.739 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD070034.D

Acq: 11 Aug 2021 20:23

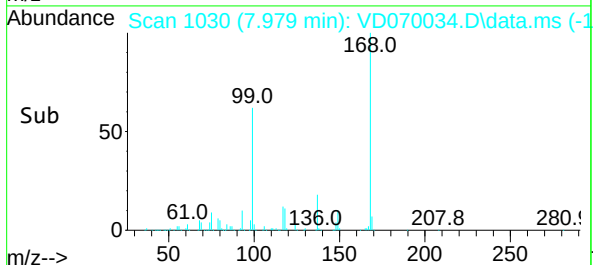
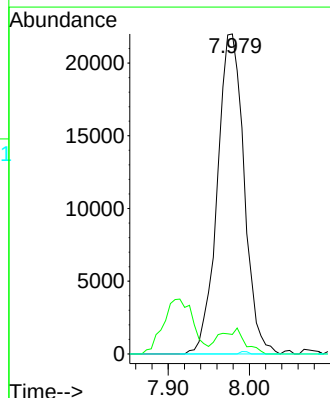
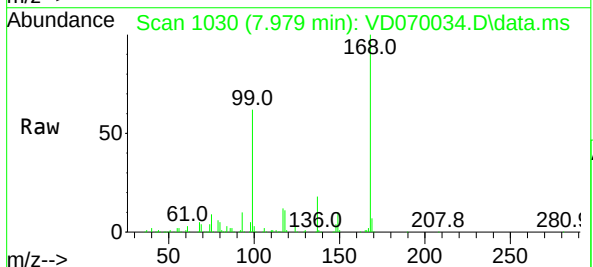
Tgt Ion: 75 Resp: 50442

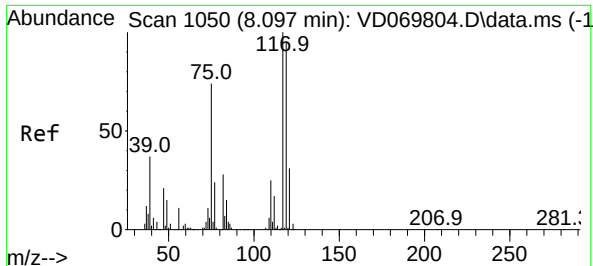
Ion Ratio Lower Upper

75 100

110 7.6 16.9 50.7#

77 0.2 24.9 37.3#

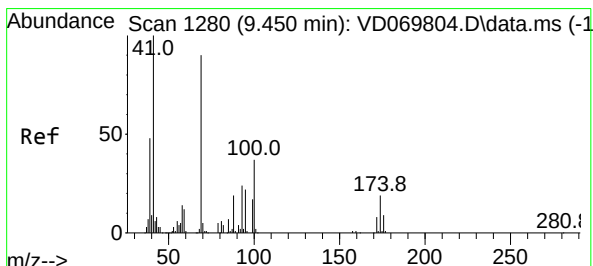
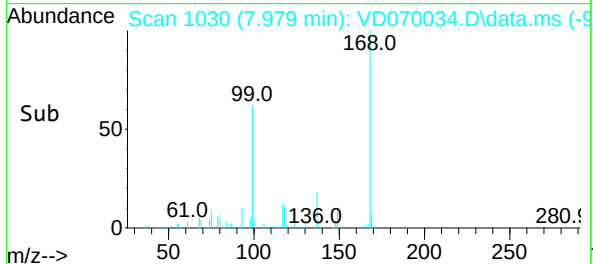
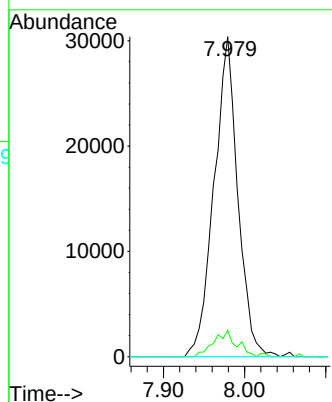
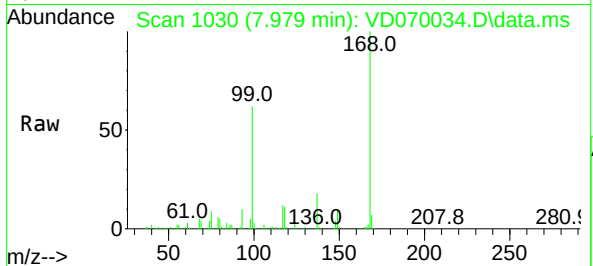




#38
Carbon Tetrachloride
Concen: 5.019 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

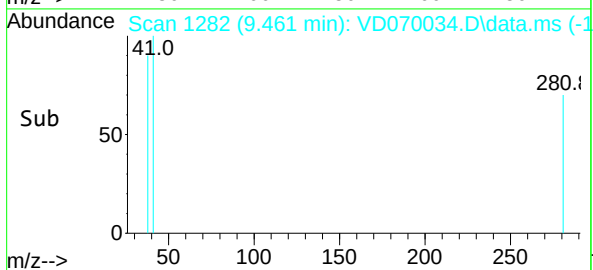
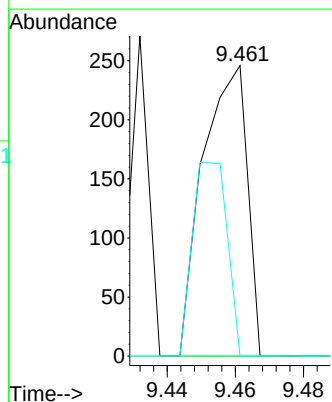
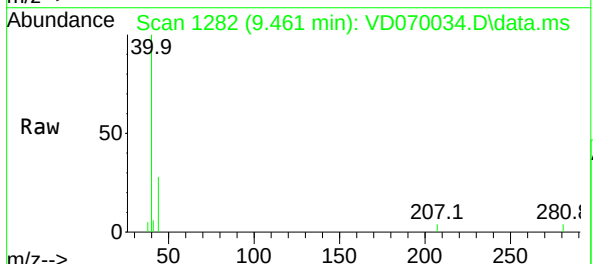
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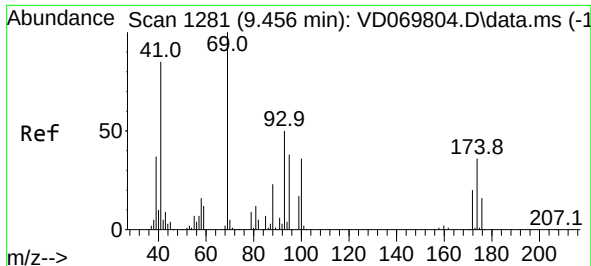
Tgt Ion:117 Resp: 61848
Ion Ratio Lower Upper
117 100
119 8.2 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.791 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.011 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

Tgt Ion: 41 Resp: 221
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 52.0 36.6 55.0

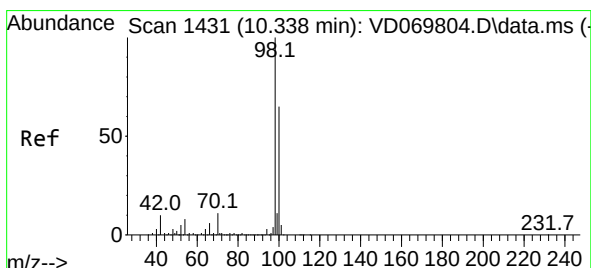
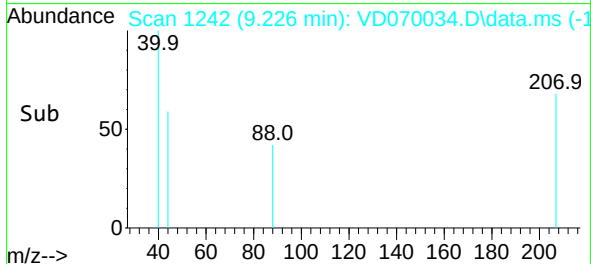
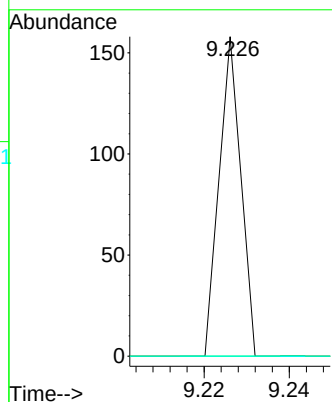
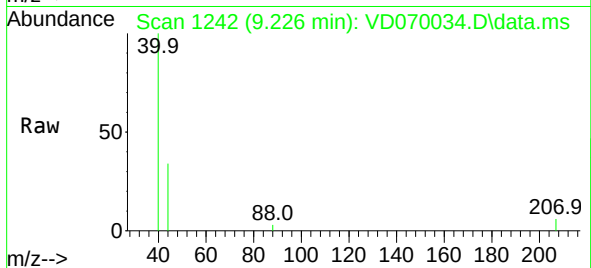




#49
1,4-Dioxane
Concen: 1.050 ug/l
RT: 9.226 min Scan# 1242
Delta R.T. -0.229 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

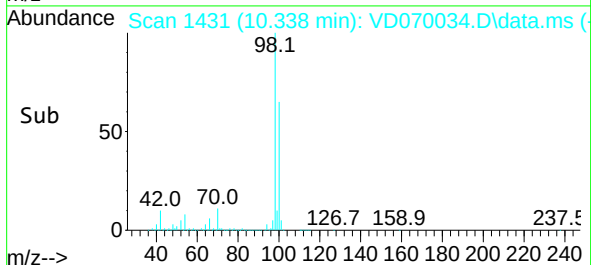
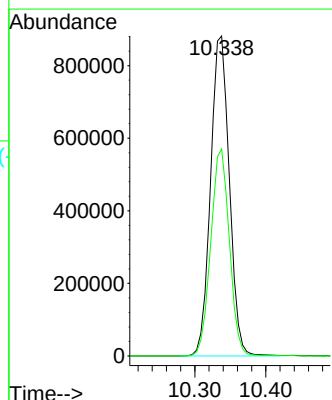
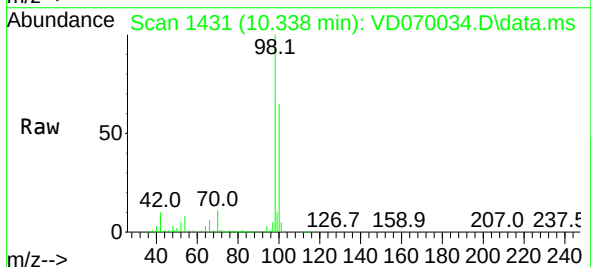
Instrument :
MSVOA_D
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BSY1-SB-13-1-2

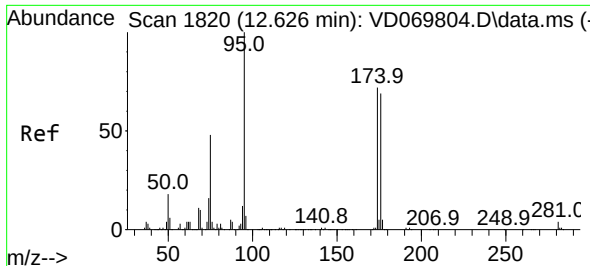
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 26.8 40.2#
58 0.0 59.8 89.6#



#50
Toluene-d8
Concen: 53.151 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

Tgt Ion: 98 Resp: 1614961
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

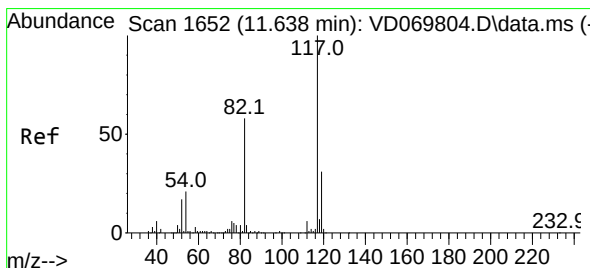
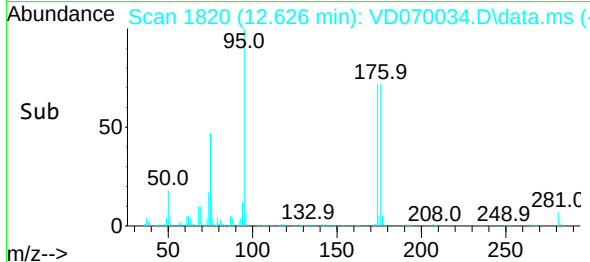
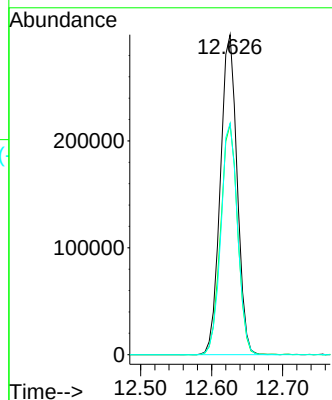
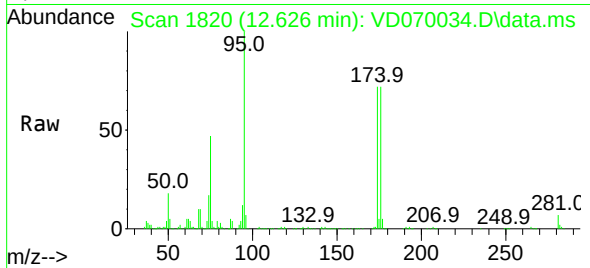




#62
4-Bromofluorobenzene
Concen: 48.173 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

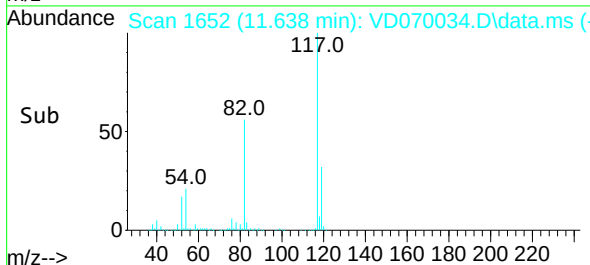
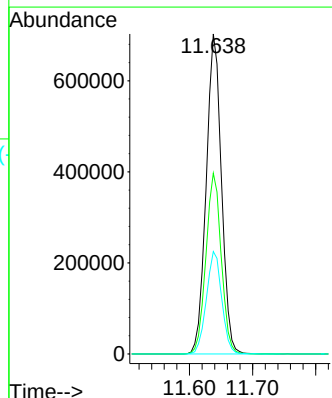
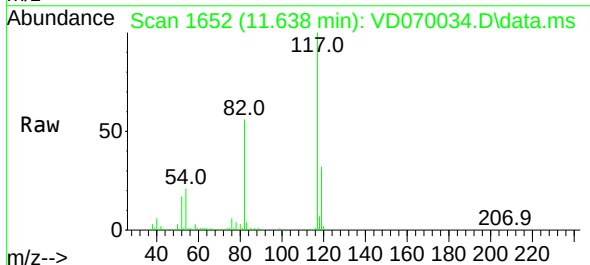
Instrument :
MSVOA_D
ClientSampleId :
BSY1-SB-13-1-2

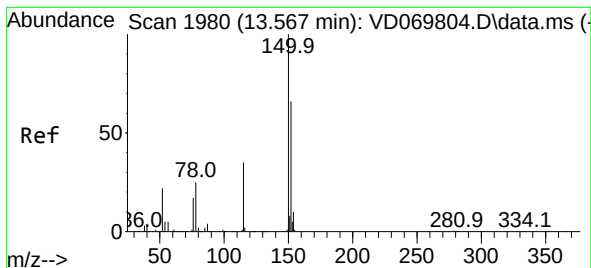
Tgt Ion: 95 Resp: 489179
Ion Ratio Lower Upper
95 100
174 72.7 0.0 142.6
176 71.9 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

Tgt Ion: 117 Resp: 1178404
Ion Ratio Lower Upper
117 100
82 56.5 46.3 69.5
119 32.0 24.7 37.1

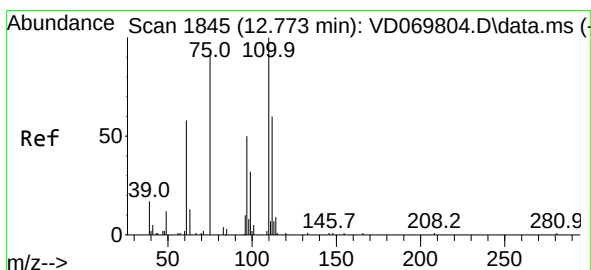
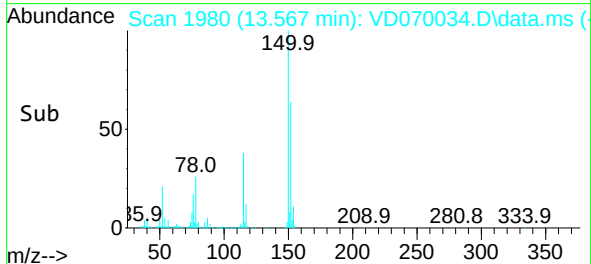
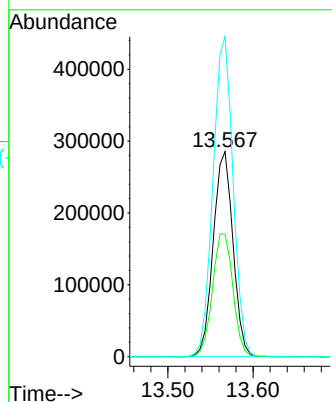
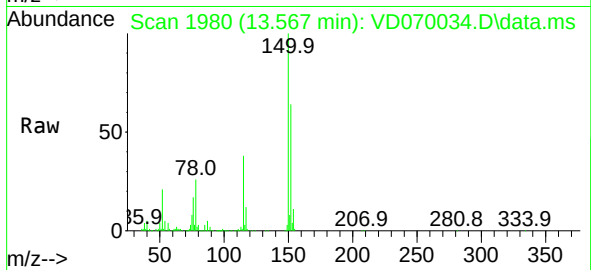




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

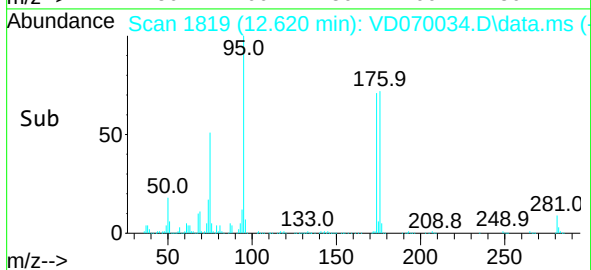
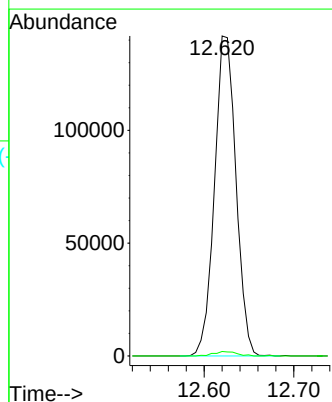
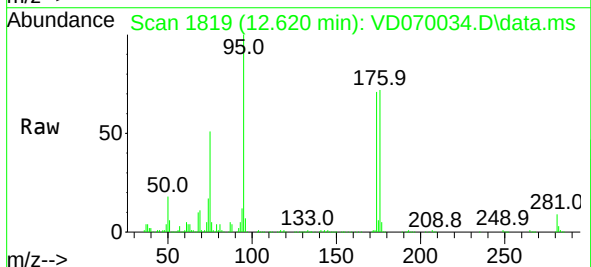
Instrument :
MSVOA_D
ClientSampleId :
BSY1-SB-13-1-2

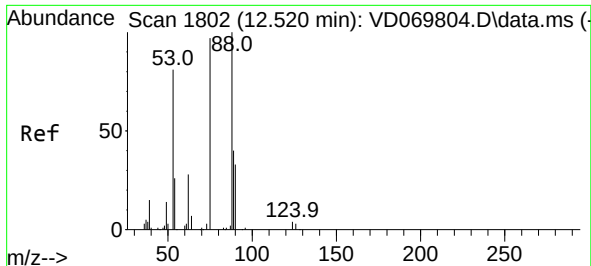
Tgt Ion:152 Resp: 459607
Ion Ratio Lower Upper
152 100
115 62.0 31.1 93.3
150 158.5 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 48.232 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

Tgt Ion: 75 Resp: 235628
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#

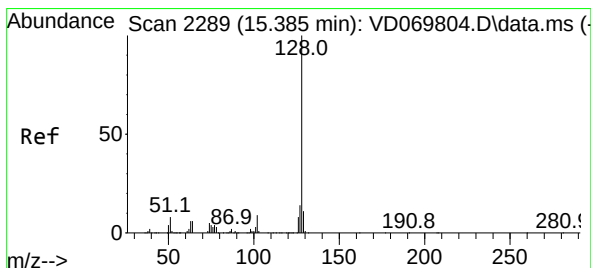
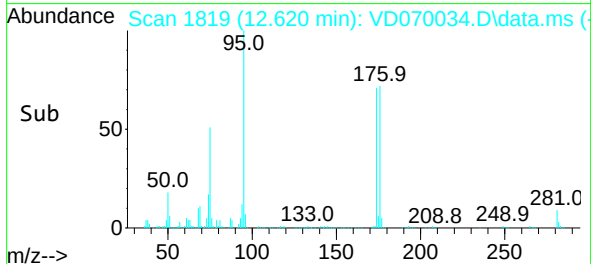
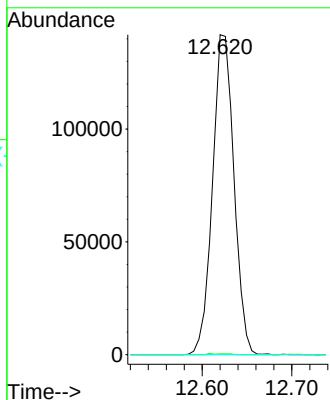
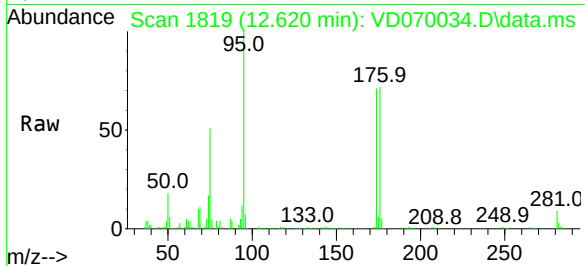




#81
trans-1,4-Dichloro-2-butene
Concen: 146.324 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

Instrument :
MSVOA_D
ClientSampleId :
BSY1-SB-13-1-2

Tgt Ion: 75 Resp: 235628
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.026 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070034.D
Acq: 11 Aug 2021 20:23

Tgt Ion: 128 Resp: 451
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

