

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070030.D
 Acq On : 11 Aug 2021 18:28
 Operator : VA/SY
 Sample : M3331-03RE
 Misc : 5.80G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 05:31:42 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)

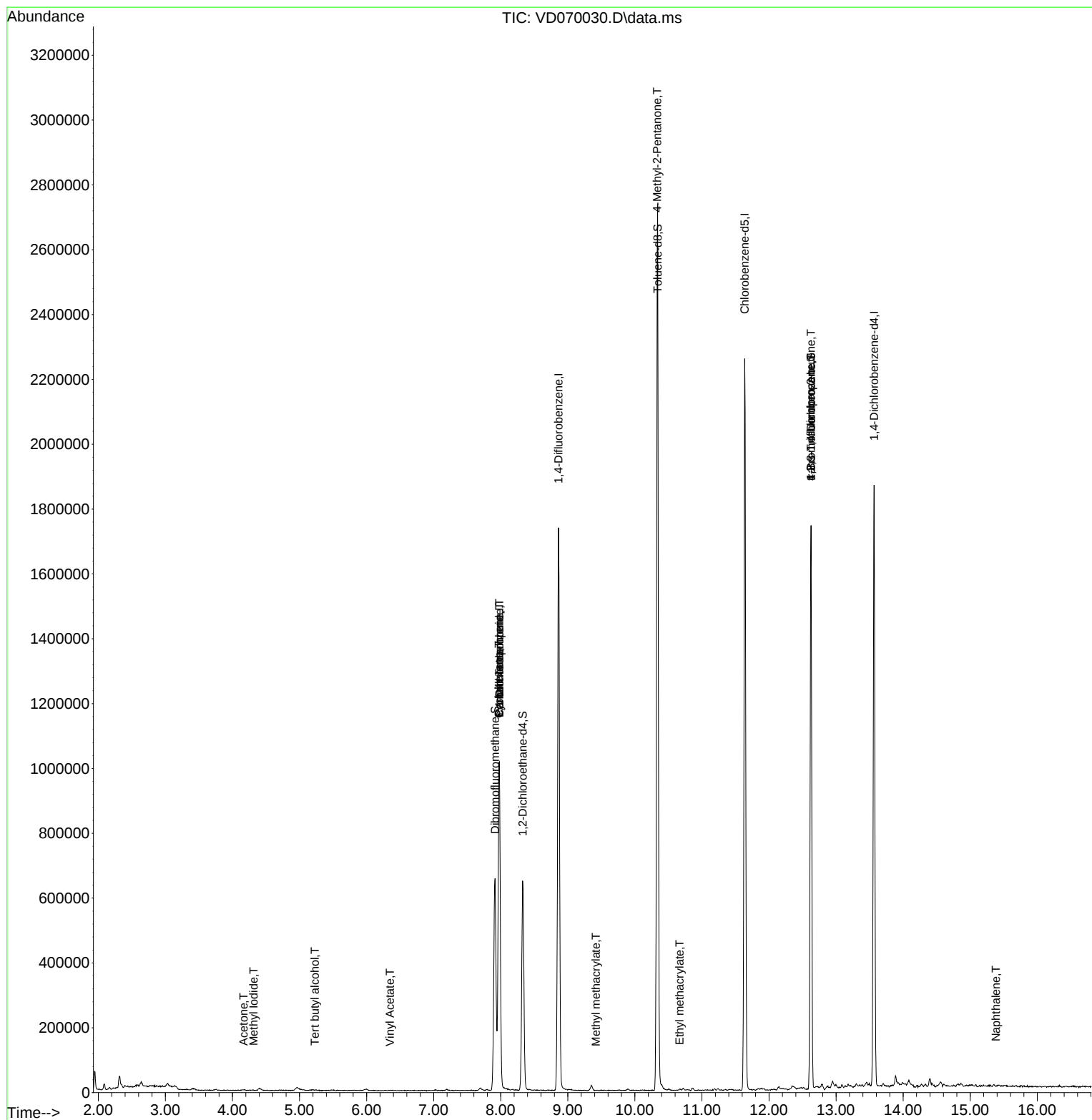
Internal Standards						
1) Pentafluorobenzene	7.979	168	733695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1465205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1331882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	495882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	508692	60.285	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.560%			
35) Dibromofluoromethane	7.914	113	489145	52.957	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.920%			
50) Toluene-d8	10.338	98	1862094	52.283	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.560%			
62) 4-Bromofluorobenzene	12.626	95	548291	46.063	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.120%			
Target Compounds					Qvalue	
5) Bromomethane	2.768	94	3407	Below Cal	#	69
10) Methyl Iodide	4.315	142	2015	3.668	ug/l #	71
11) Tert butyl alcohol	5.226	59	1866	4.274	ug/l #	73
16) Acetone	4.167	43	3440	2.257	ug/l #	38
20) Methylene Chloride	4.962	84	7011	Below Cal	#	77
23) Vinyl Acetate	6.350	43	231	20.364	ug/l #	71
31) Cyclohexane	7.973	56	18930	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	64322	4.068	ug/l #	49
38) Carbon Tetrachloride	7.979	117	76212	5.277	ug/l #	17
48) Methyl methacrylate	9.420	41	161	2.774	ug/l #	13
51) 4-Methyl-2-Pentanone	10.332	43	6980	1.299	ug/l #	1
56) Ethyl methacrylate	10.667	69	715	3.960	ug/l #	76
76) 1,2,3-Trichloropropane	12.626	75	274890	52.153	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	274890	158.218	ug/l #	16
95) Naphthalene	15.385	128	928	5.050	ug/l #	78

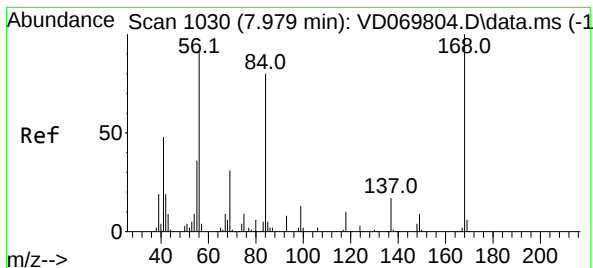
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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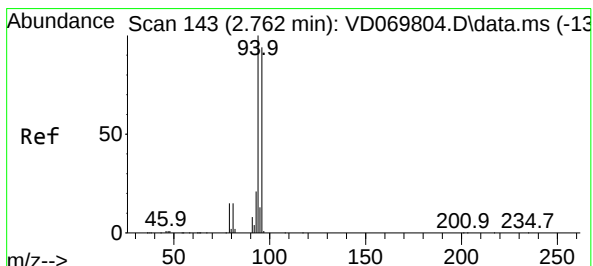
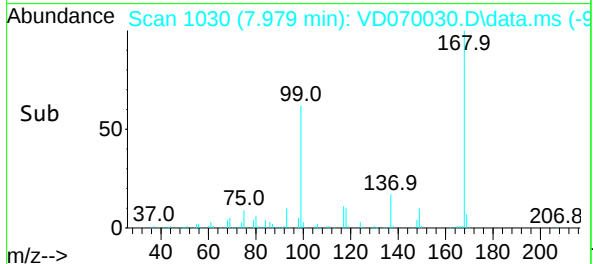
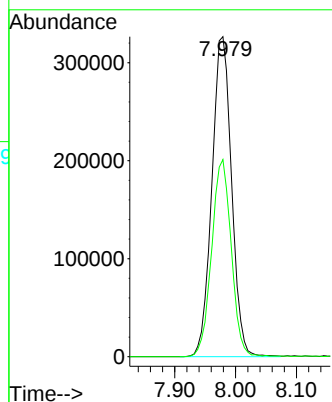
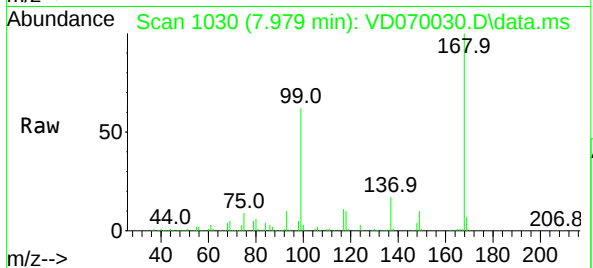




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

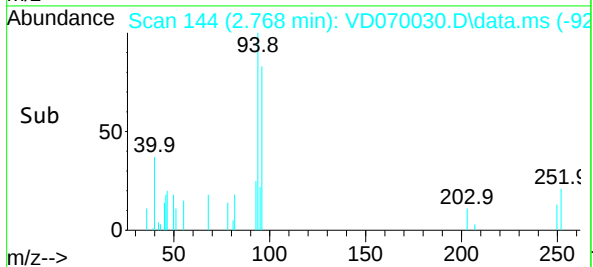
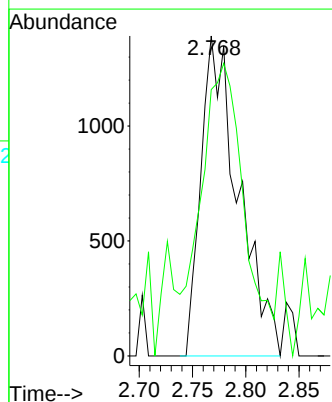
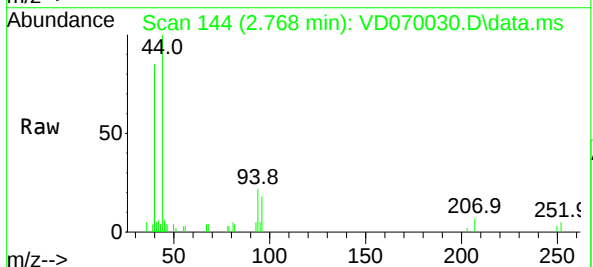
Instrument :
MSVOA_D
ClientSampleId :

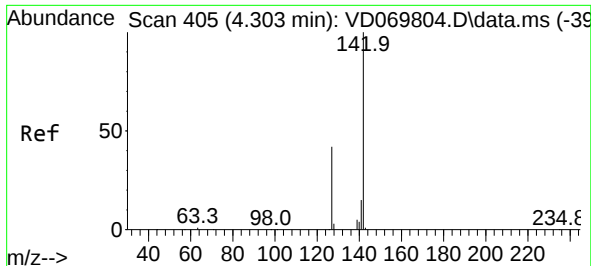
Tgt Ion:168 Resp: 733695
Ion Ratio Lower Upper
168 100
99 61.6 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

Tgt Ion: 94 Resp: 3407
Ion Ratio Lower Upper
94 100
96 64.0 74.8 112.2#

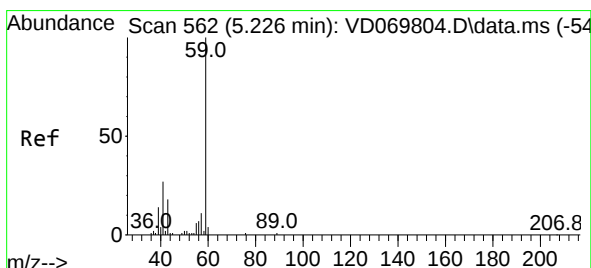
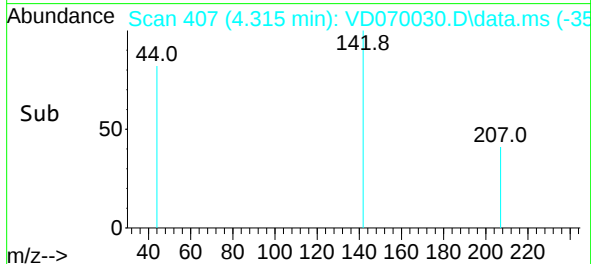
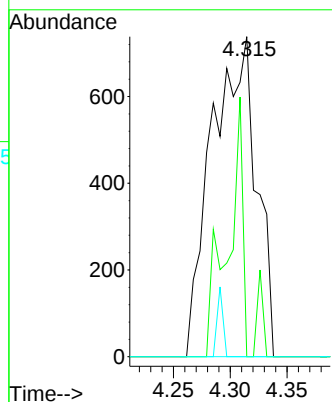
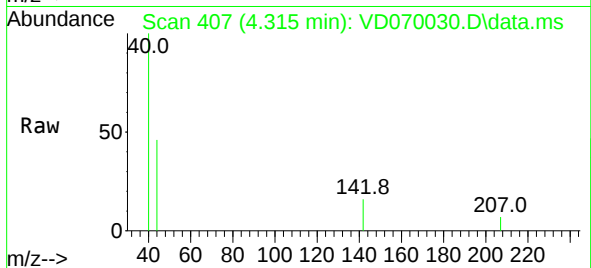




#10
Methyl Iodide
Concen: 3.668 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

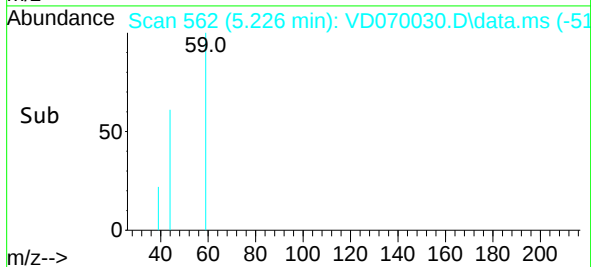
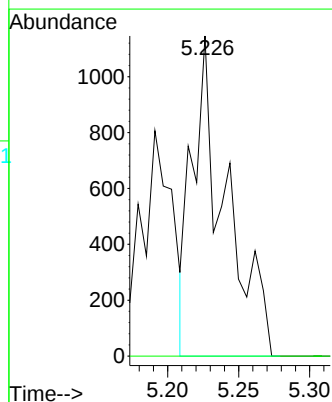
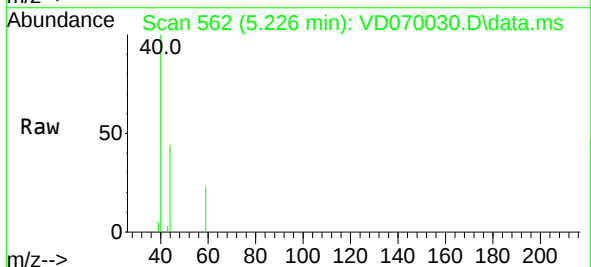
Instrument :
MSVOA_D
ClientSampled :

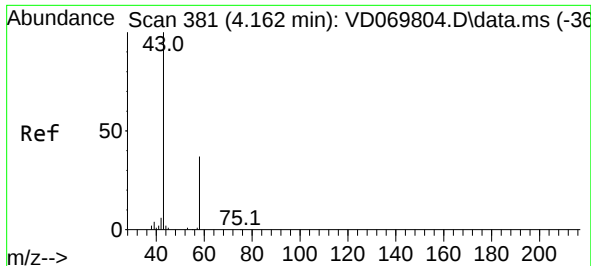
Tgt Ion:142 Resp: 2015
Ion Ratio Lower Upper
142 100
127 27.2 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 4.274 ug/l
RT: 5.226 min Scan# 562
Delta R.T. -0.000 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

Tgt Ion: 59 Resp: 1866
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

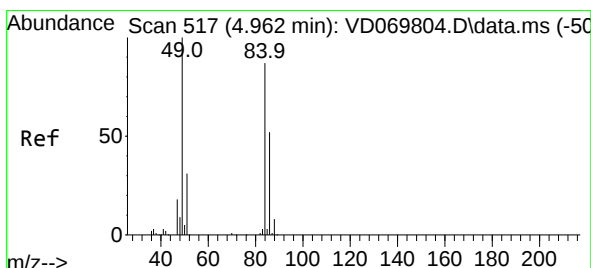
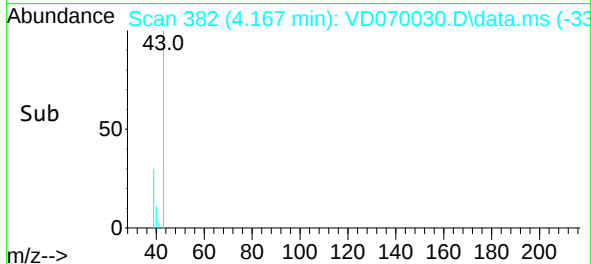
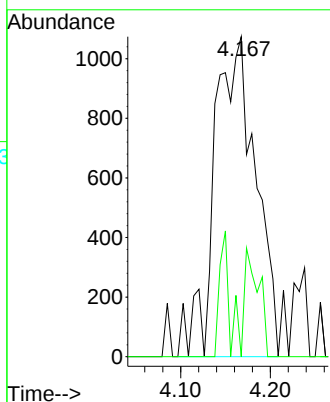
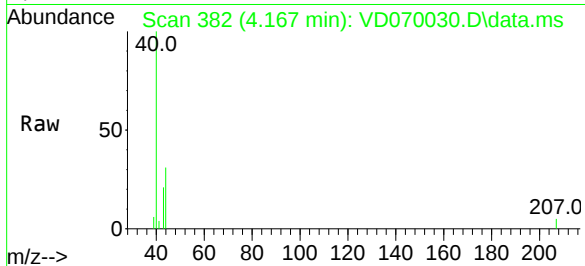




#16
Acetone
Concen: 2.257 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

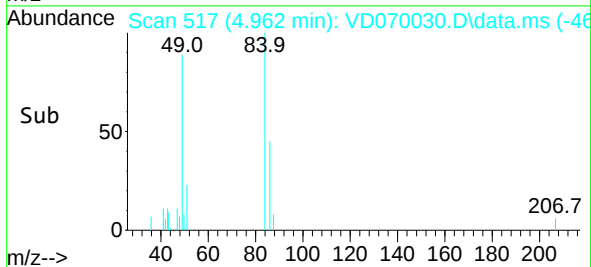
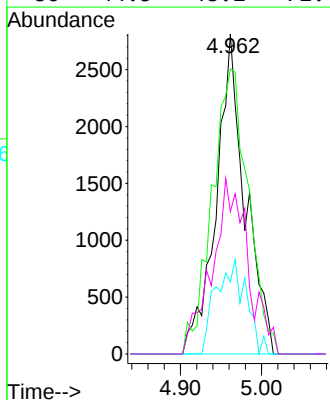
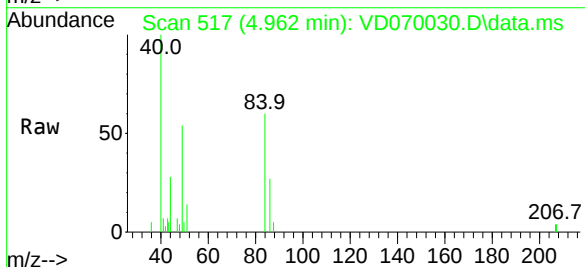
Instrument :
MSVOA_D
ClientSampled :

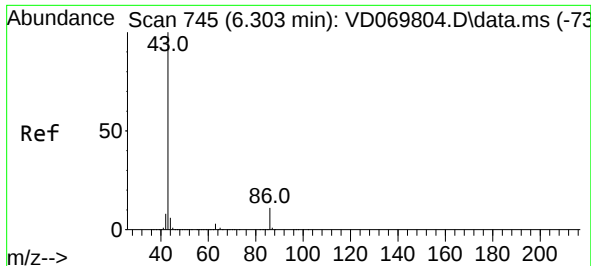
Tgt Ion: 43 Resp: 3440
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

Tgt Ion: 84 Resp: 7011
Ion Ratio Lower Upper
84 100
49 89.1 92.4 138.6#
51 22.5 28.5 42.7#
86 44.5 48.2 72.4#

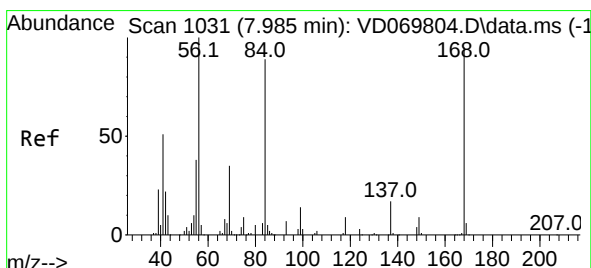
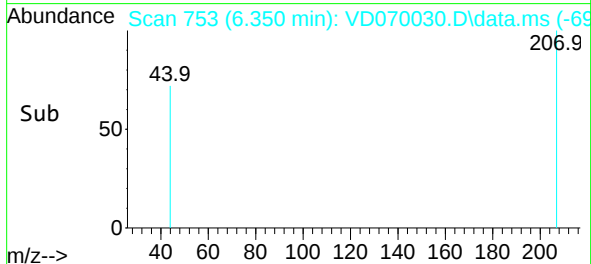
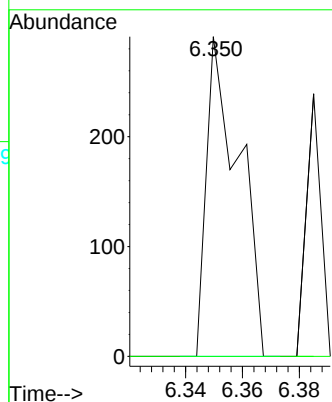
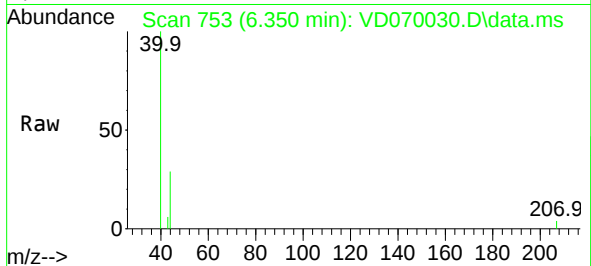




#23
 Vinyl Acetate
 Concen: 20.364 ug/l
 RT: 6.350 min Scan# 753
 Delta R.T. 0.047 min
 Lab File: VD070030.D
 Acq: 11 Aug 2021 18:28

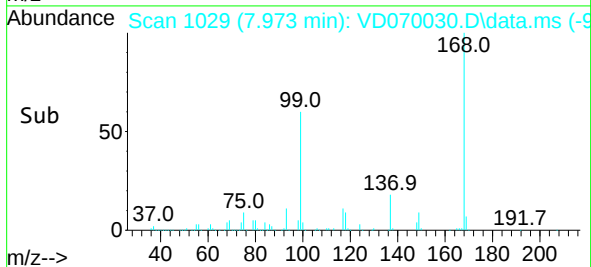
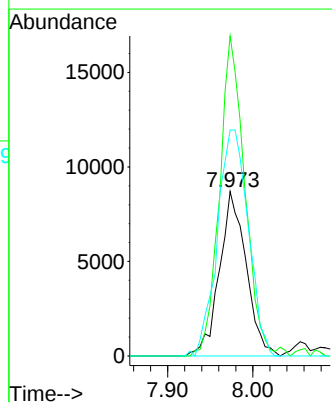
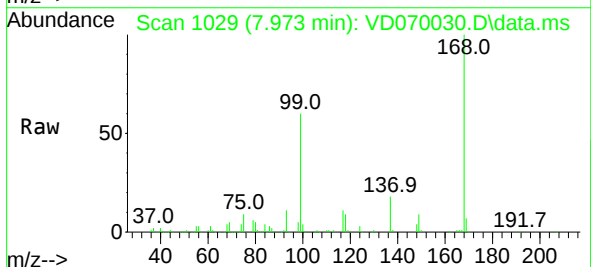
Instrument :
 MSVOA_D
 ClientSampled :

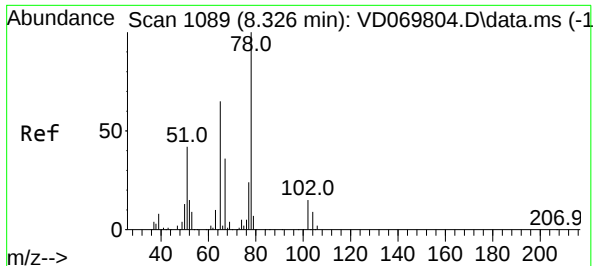
Tgt Ion: 43 Resp: 231
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.148 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD070030.D
 Acq: 11 Aug 2021 18:28

Tgt Ion: 56 Resp: 18930
 Ion Ratio Lower Upper
 56 100
 69 194.5 27.9 41.9#
 84 137.3 71.4 107.2#

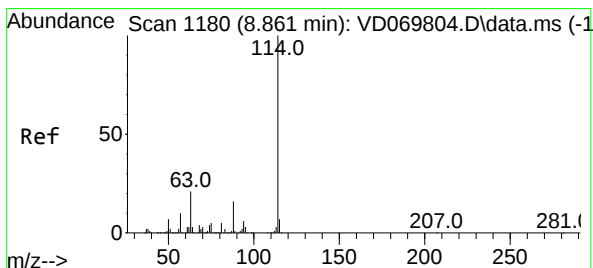
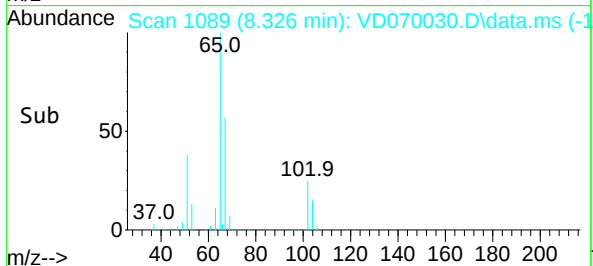
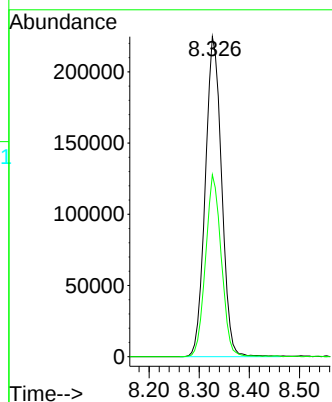
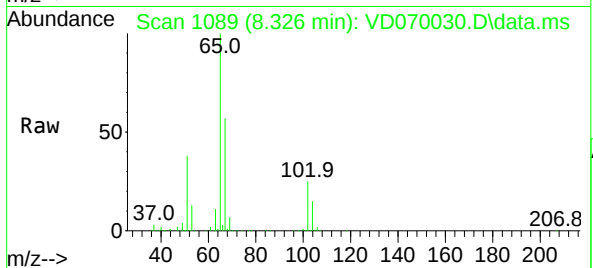




#33
 1,2-Dichloroethane-d4
 Concen: 60.285 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.000 min
 Lab File: VD070030.D
 Acq: 11 Aug 2021 18:28

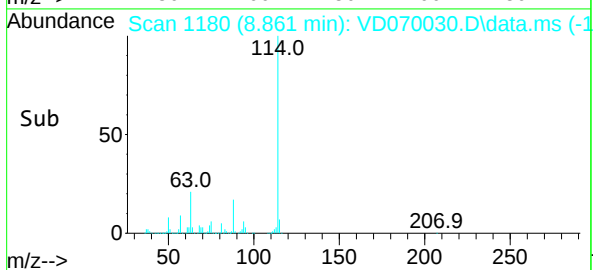
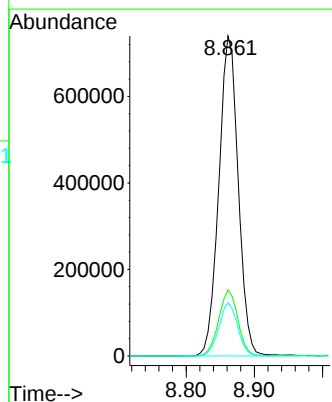
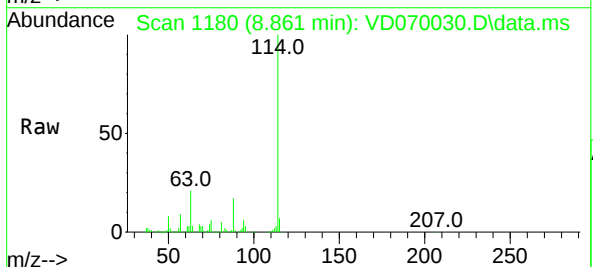
Instrument :
 MSVOA_D
 ClientSampleId :

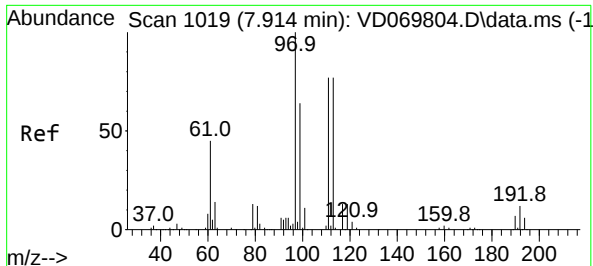
Tgt Ion: 65 Resp: 508692
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. 0.000 min
 Lab File: VD070030.D
 Acq: 11 Aug 2021 18:28

Tgt Ion: 114 Resp: 1465205
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.6
 88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.957 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070030.D

Acq: 11 Aug 2021 18:28

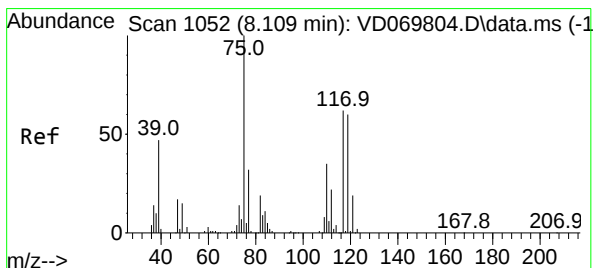
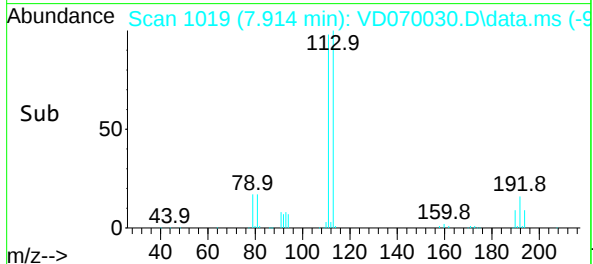
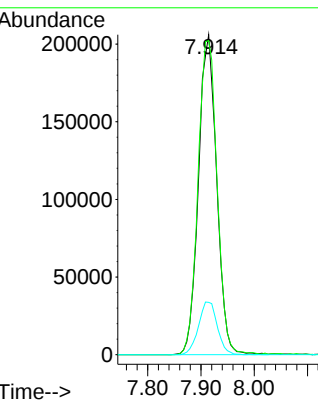
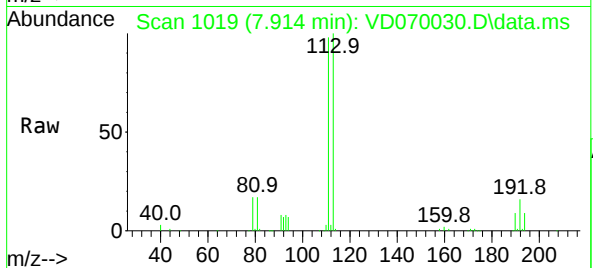
Tgt Ion:113 Resp: 489145

Ion Ratio Lower Upper

113 100

111 103.1 80.5 120.7

192 17.1 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.068 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD070030.D

Acq: 11 Aug 2021 18:28

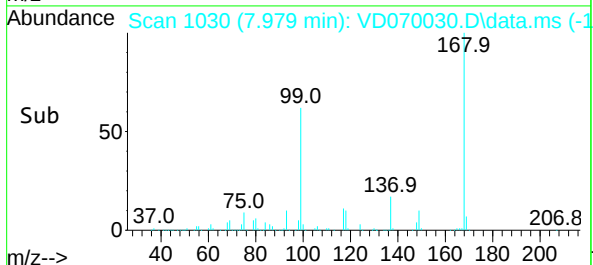
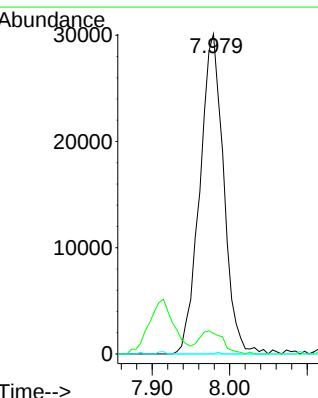
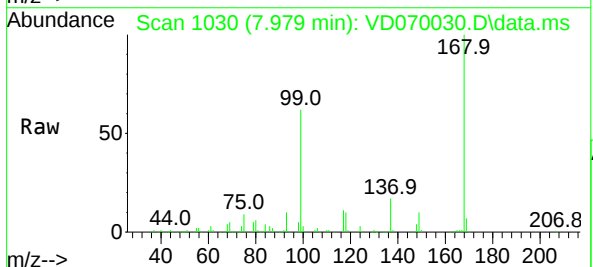
Tgt Ion: 75 Resp: 64322

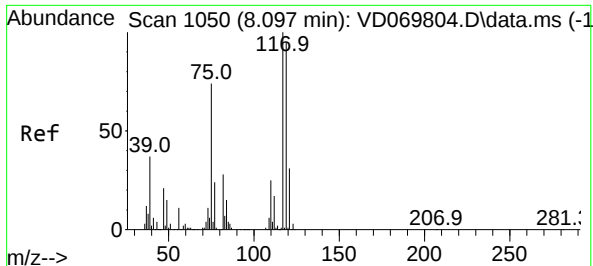
Ion Ratio Lower Upper

75 100

110 7.3 16.9 50.7#

77 0.1 24.9 37.3#

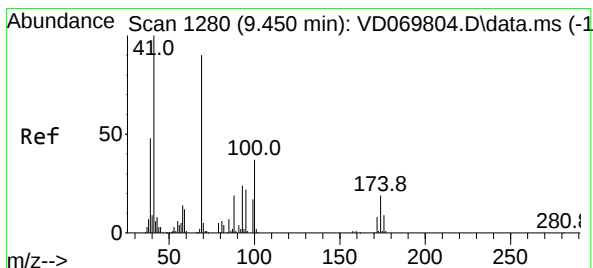
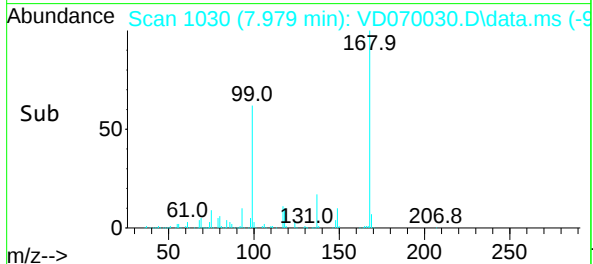
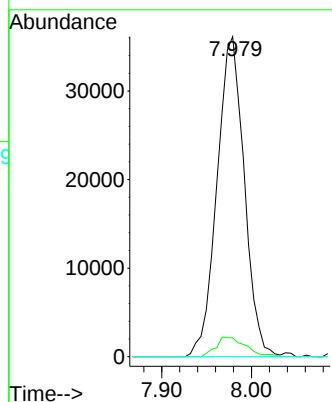
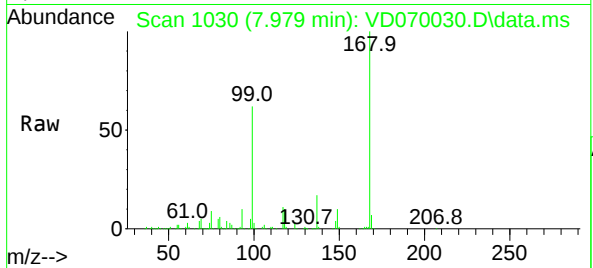




#38
Carbon Tetrachloride
Concen: 5.277 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

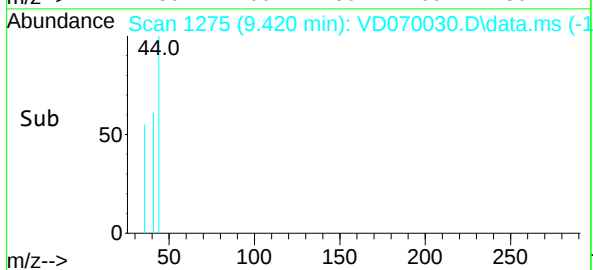
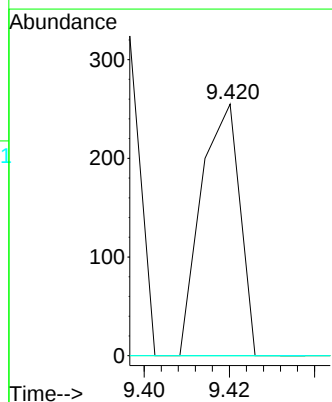
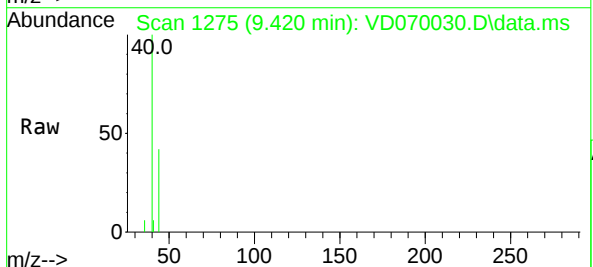
Instrument :
MSVOA_D
ClientSampleId :

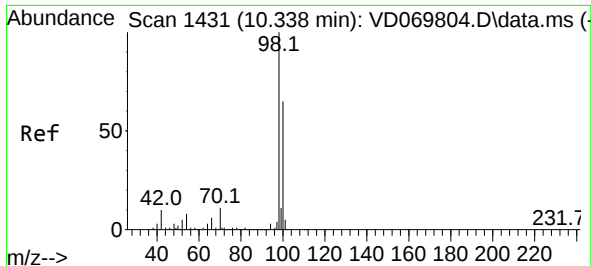
Tgt Ion:117 Resp: 76212
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.774 ug/l
RT: 9.420 min Scan# 1275
Delta R.T. -0.030 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

Tgt Ion: 41 Resp: 161
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

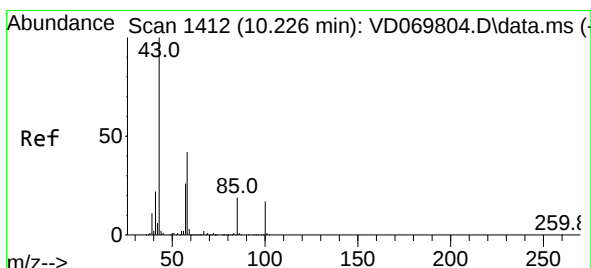
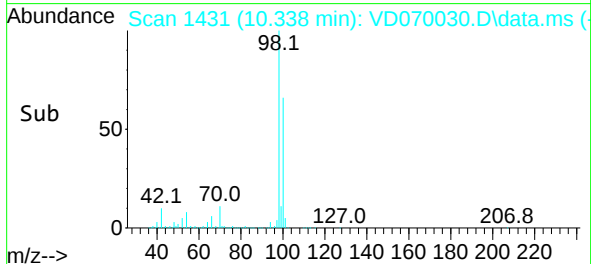
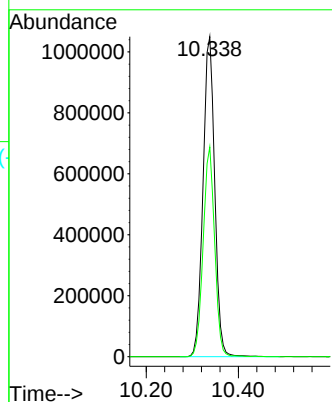
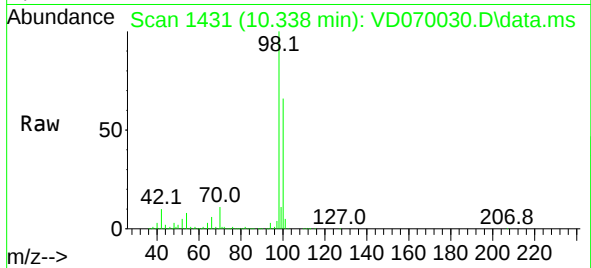




#50
Toluene-d8
Concen: 52.283 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

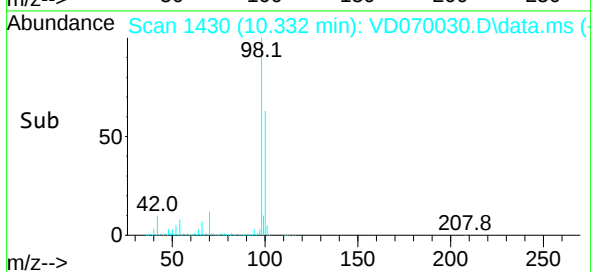
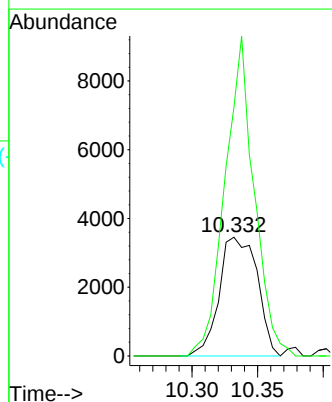
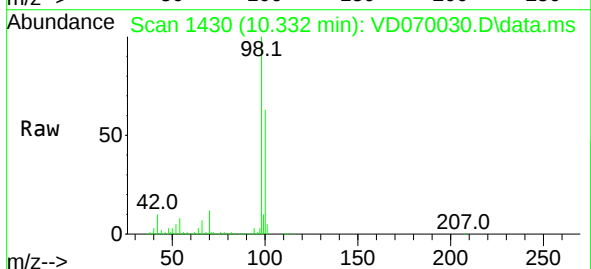
Instrument :
MSVOA_D
ClientSampled :

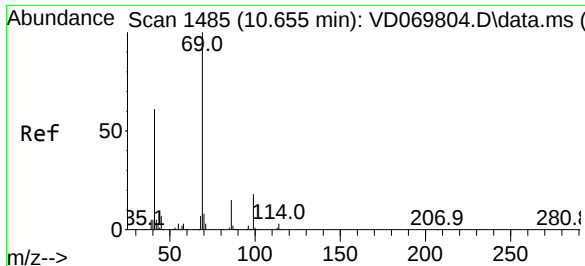
Tgt Ion: 98 Resp: 1862094
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.299 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

Tgt Ion: 43 Resp: 6980
Ion Ratio Lower Upper
43 100
58 206.7 33.7 50.5#

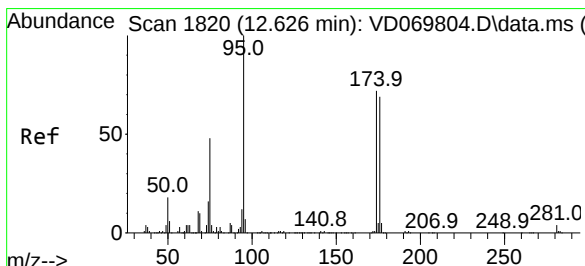
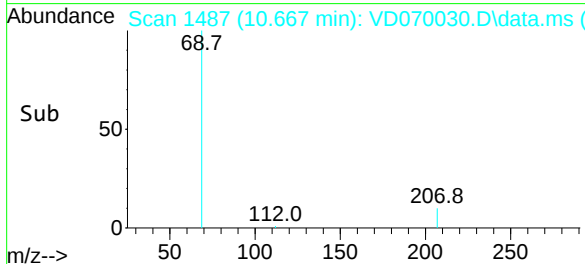
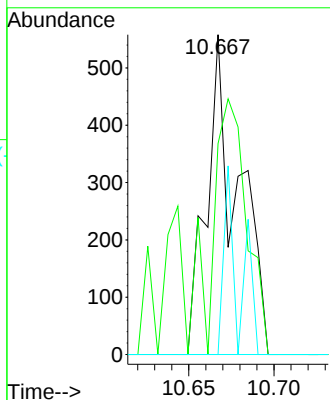
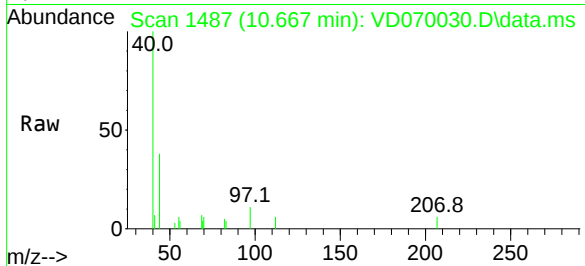




#56
Ethyl methacrylate
Concen: 3.960 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

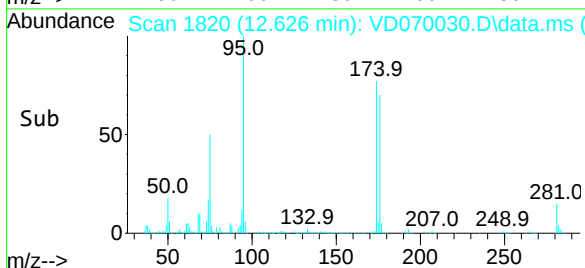
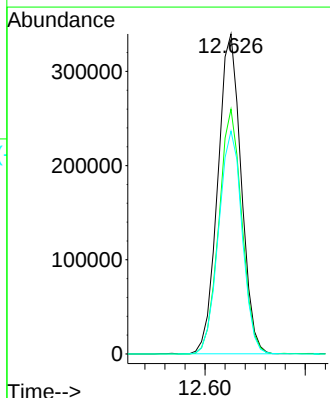
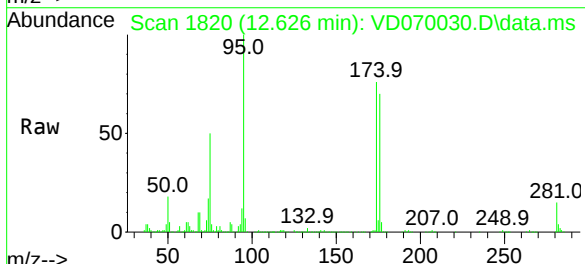
Instrument :
MSVOA_D
ClientSampled :

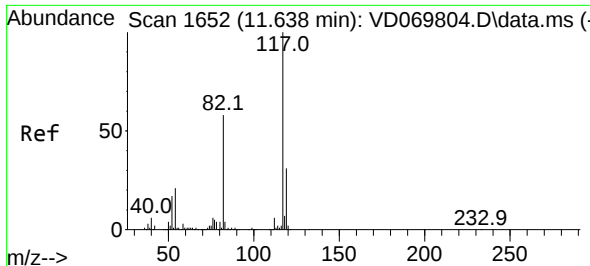
Tgt Ion: 69 Resp: 715
Ion Ratio Lower Upper
69 100
41 88.8 50.2 75.2#
39 27.8 22.0 33.0



#62
4-Bromofluorobenzene
Concen: 46.063 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

Tgt Ion: 95 Resp: 548291
Ion Ratio Lower Upper
95 100
174 75.2 0.0 142.6
176 70.3 0.0 134.2

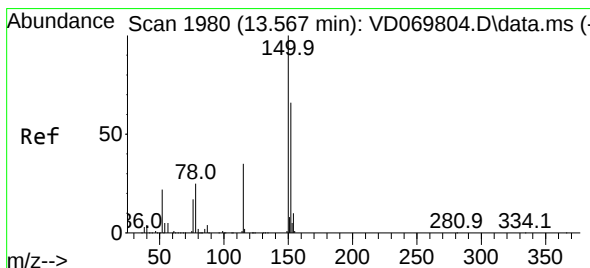
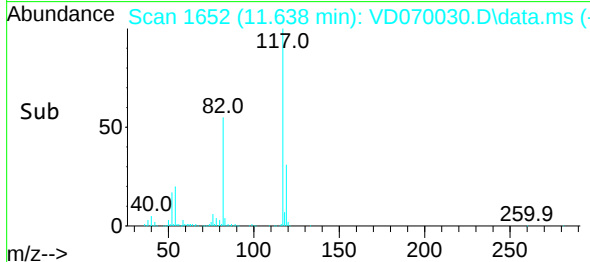
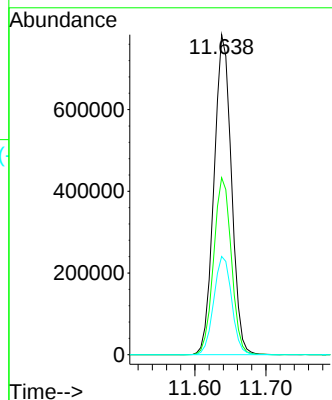
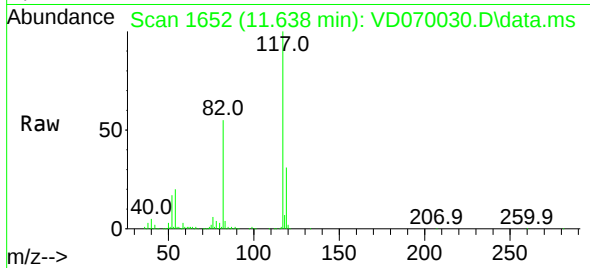




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

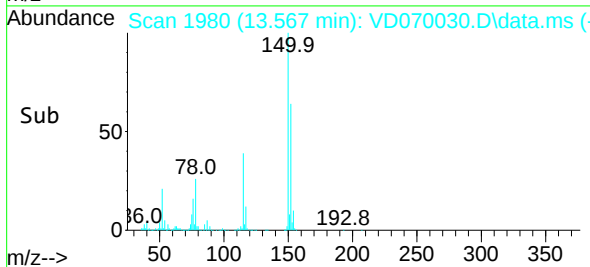
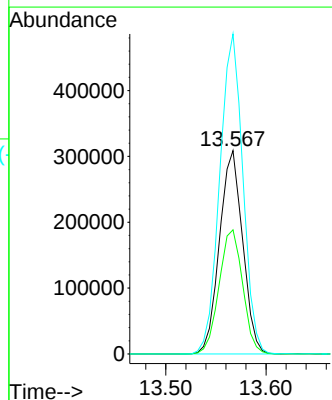
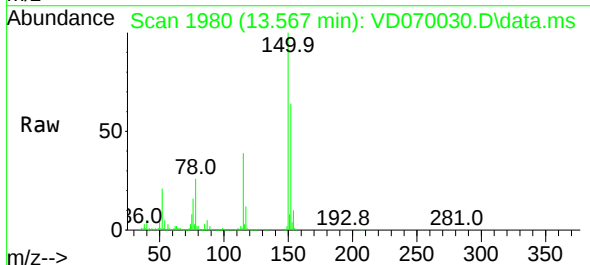
Instrument :
MSVOA_D
ClientSampleId :

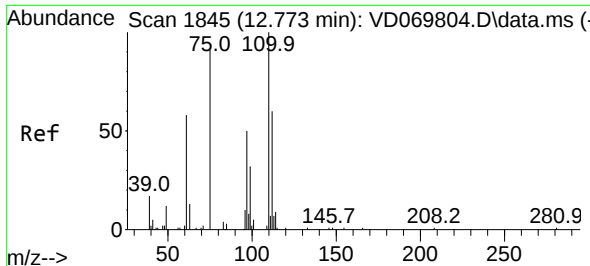
Tgt Ion:117 Resp: 1331882
Ion Ratio Lower Upper
117 100
82 55.3 46.3 69.5
119 30.7 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

Tgt Ion:152 Resp: 495882
Ion Ratio Lower Upper
152 100
115 62.1 31.1 93.3
150 157.2 0.0 343.0

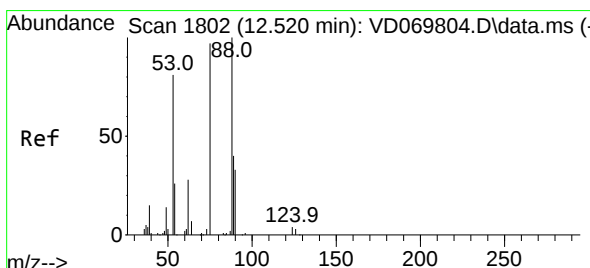
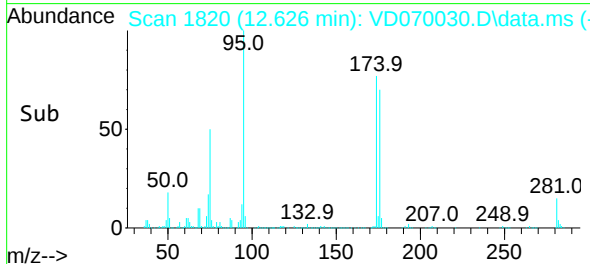
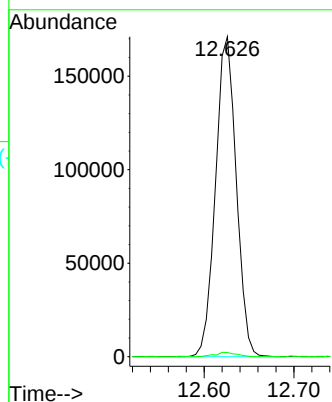
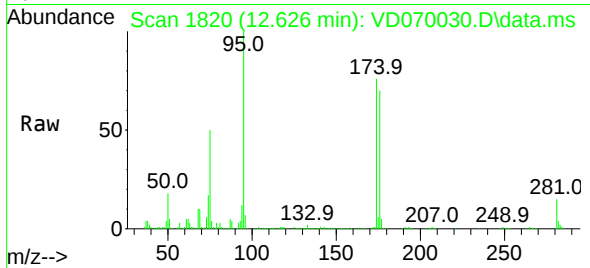




#76
1,2,3-Trichloropropane
Concen: 52.153 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

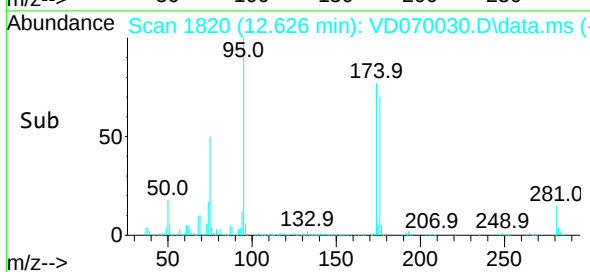
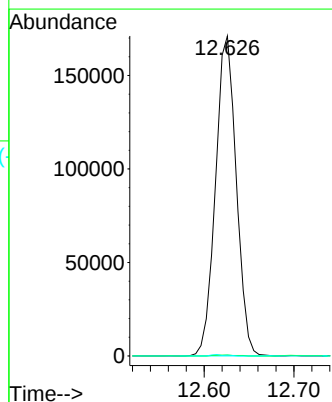
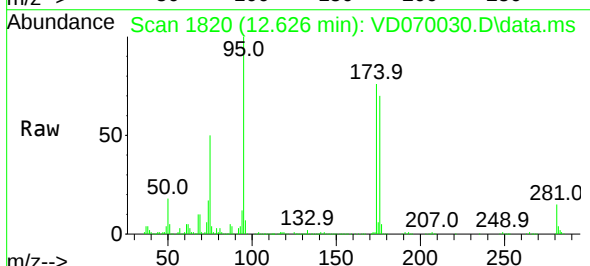
Instrument :
MSVOA_D
ClientSampleId :

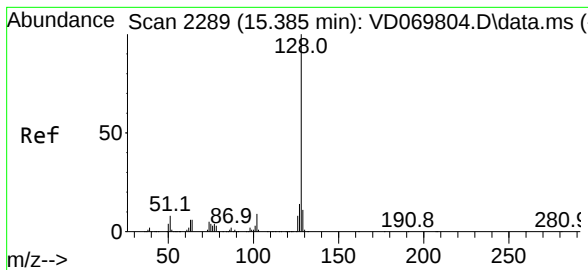
Tgt Ion: 75 Resp: 274890
Ion Ratio Lower Upper
75 100
77 1.4 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 158.218 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

Tgt Ion: 75 Resp: 274890
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.3 35.8 53.6#





#95
Naphthalene
Concen: 5.050 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070030.D
Acq: 11 Aug 2021 18:28

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	20.4	10.6	16.0#
129	0.0	8.6	12.8#

