

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073021\
 Data File : VD069930.D
 Acq On : 30 Jul 2021 11:11
 Operator : VA/SY
 Sample : M3238-01
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 282

Quant Time: Jul 31 00:36:07 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)

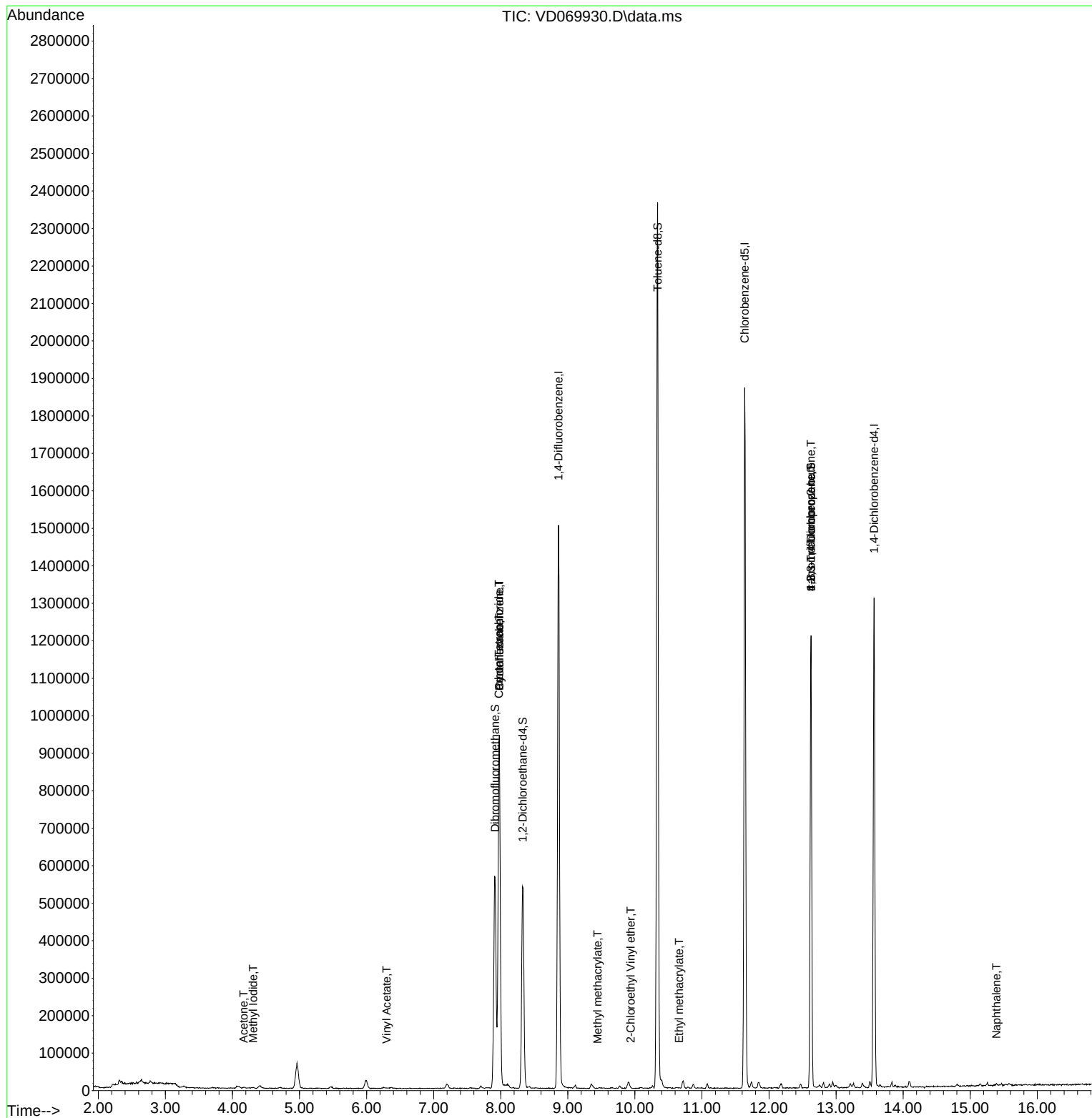
Internal Standards						
1) Pentafluorobenzene	7.979	168	663137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1276348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1073032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	349243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	435760	57.136	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.280%			
35) Dibromofluoromethane	7.914	113	420098	52.211	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.420%			
50) Toluene-d8	10.338	98	1610635	51.914	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.820%			
62) 4-Bromofluorobenzene	12.626	95	415662	40.088	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.180%			
Target Compounds						
5) Bromomethane	2.785	94	4813	Below Cal	#	77
10) Methyl Iodide	4.309	142	2995	3.801	ug/l #	84
16) Acetone	4.167	43	4617	3.351	ug/l #	73
20) Methylene Chloride	4.962	84	50203	Below Cal		96
23) Vinyl Acetate	6.297	43	339	20.373	ug/l #	71
31) Cyclohexane	7.979	56	19904	1.336	ug/l #	16
38) Carbon Tetrachloride	7.973	117	70139	5.575	ug/l #	17
48) Methyl methacrylate	9.444	41	138	2.774	ug/l #	22
56) Ethyl methacrylate	10.661	69	386	3.935	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.938	63	723	21.038	ug/l #	63
76) 1,2,3-Trichloropropane	12.626	75	204929	55.204	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	204929	167.475	ug/l #	16
95) Naphthalene	15.390	128	4142	5.325	ug/l #	83

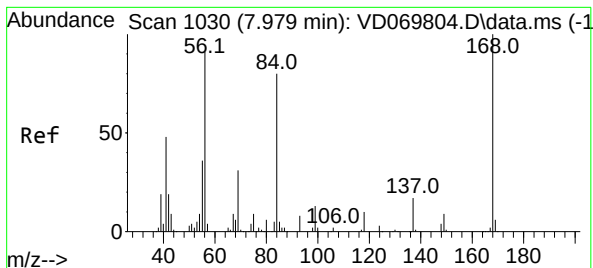
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 31 00:36:07 2021
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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD069930.D

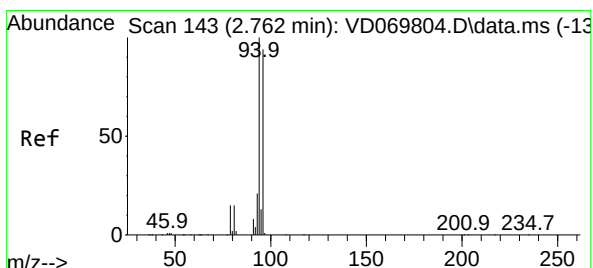
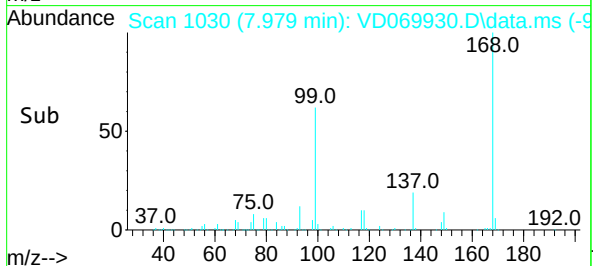
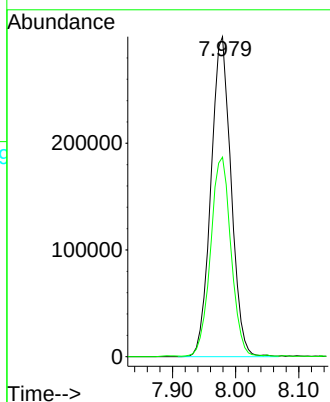
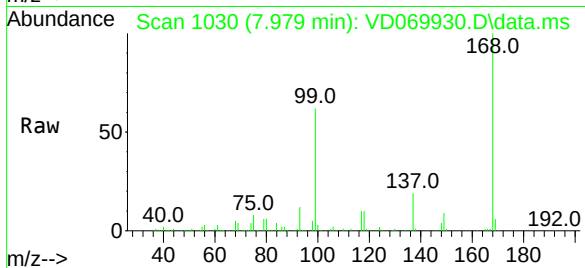
Acq: 30 Jul 2021 11:11

Tgt Ion:168 Resp: 663137

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: VD069930.D

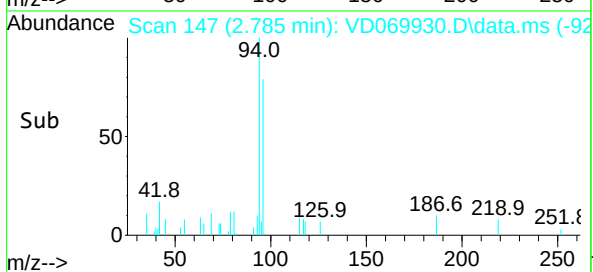
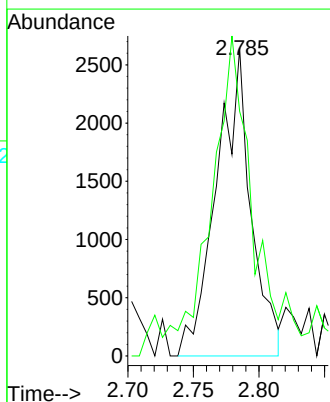
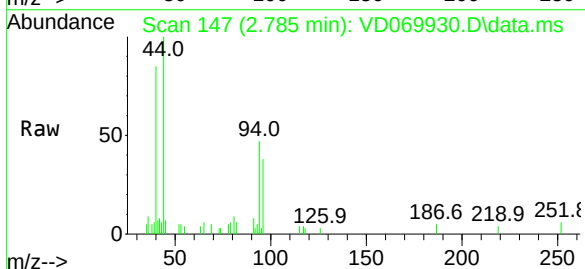
Acq: 30 Jul 2021 11:11

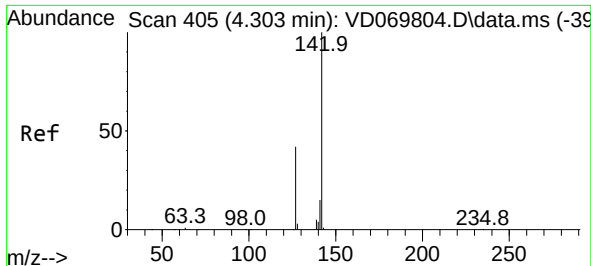
Tgt Ion: 94 Resp: 4813

Ion Ratio Lower Upper

94 100

96 71.3 74.8 112.2#

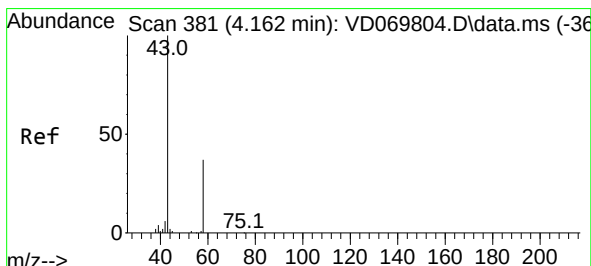
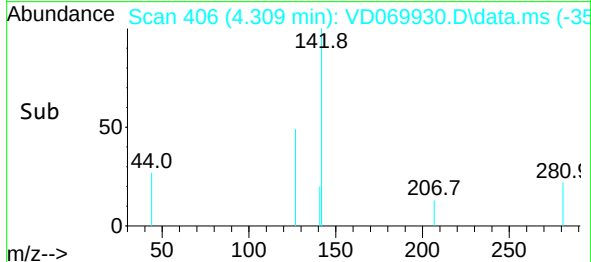
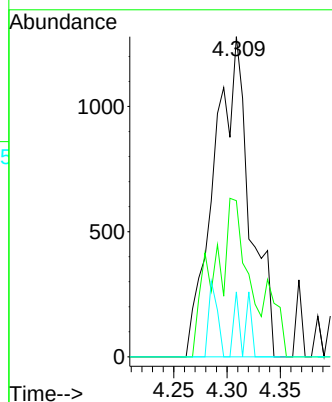
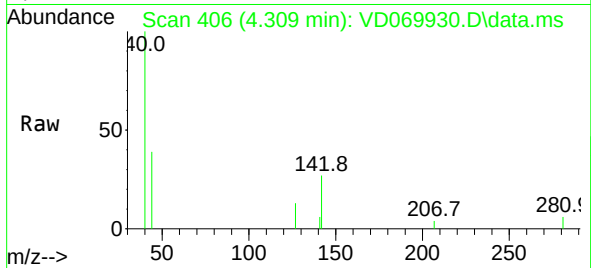




#10
Methyl Iodide
Concen: 3.801 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

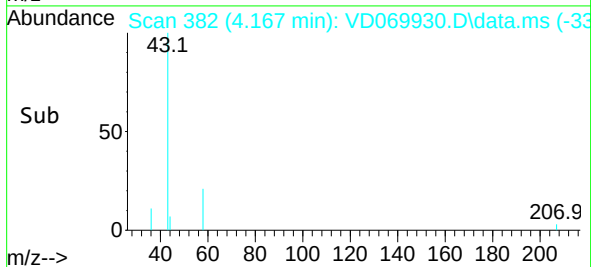
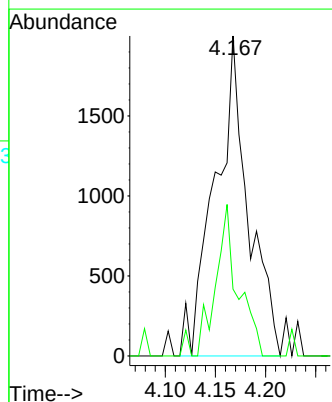
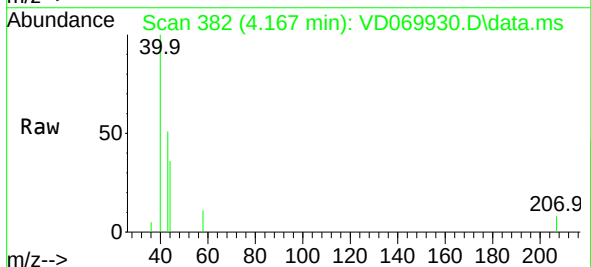
Instrument :
MSVOA_D
ClientSampled :
282

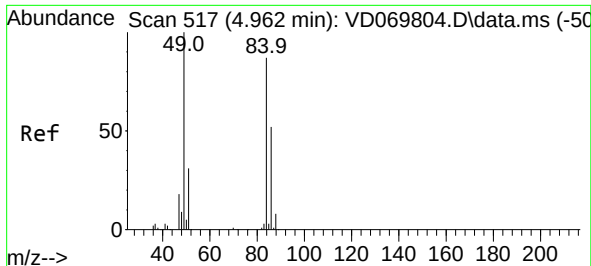
Tgt Ion:142 Resp: 2995
Ion Ratio Lower Upper
142 100
127 35.6 35.7 53.5#
141 6.1 12.0 18.0#



#16
Acetone
Concen: 3.351 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

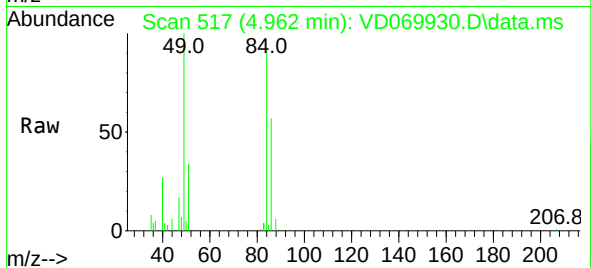
Tgt Ion: 43 Resp: 4617
Ion Ratio Lower Upper
43 100
58 20.9 29.4 44.0#



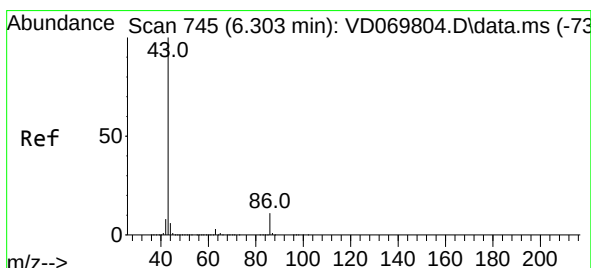
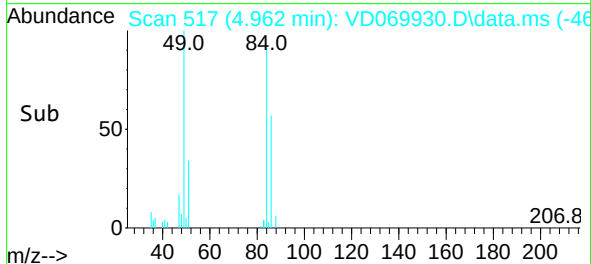
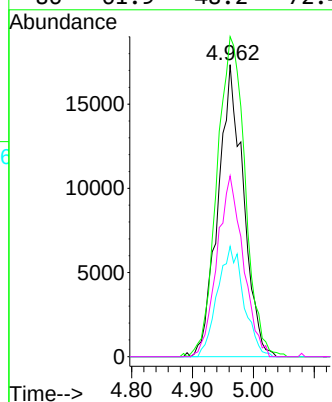


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

Instrument :
MSVOA_D
ClientSampleId :
282

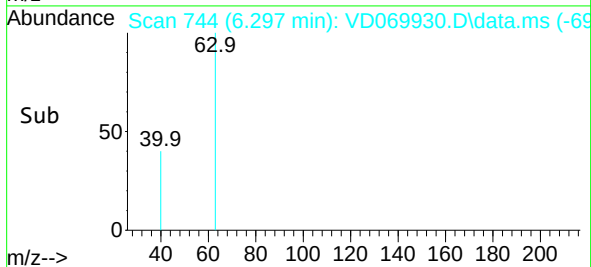
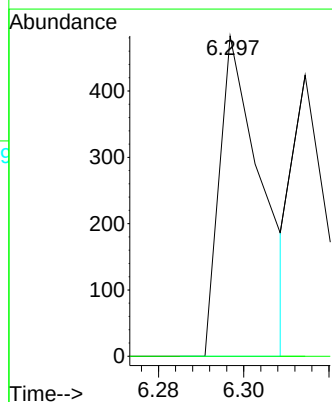
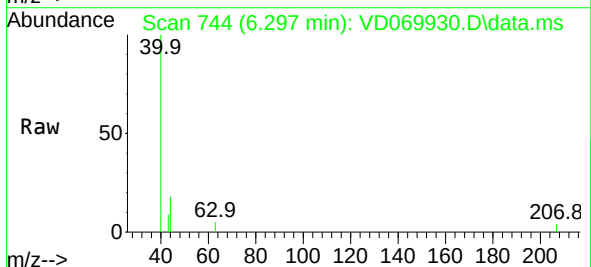


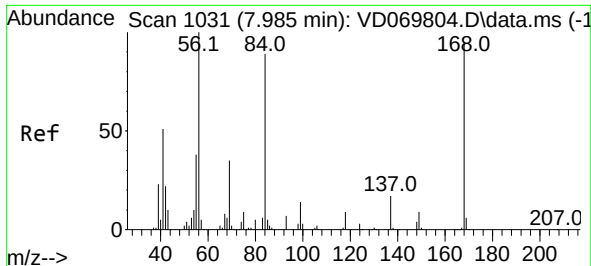
Tgt Ion:	84	Resp:	50203
Ion	Ratio	Lower	Upper
84	100		
49	109.6	92.4	138.6
51	37.8	28.5	42.7
86	61.9	48.2	72.4



#23
Vinyl Acetate
Concen: 20.373 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.006 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

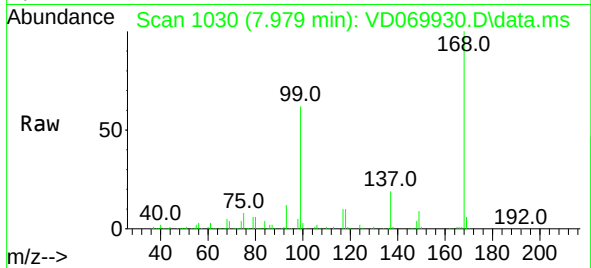
Tgt Ion:	43	Resp:	339
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#



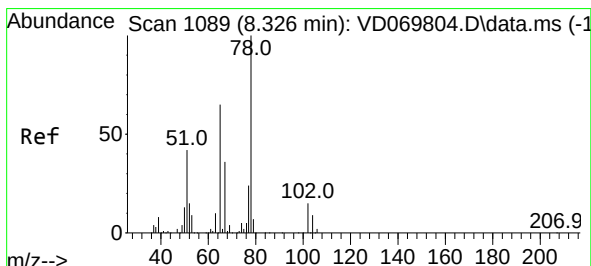
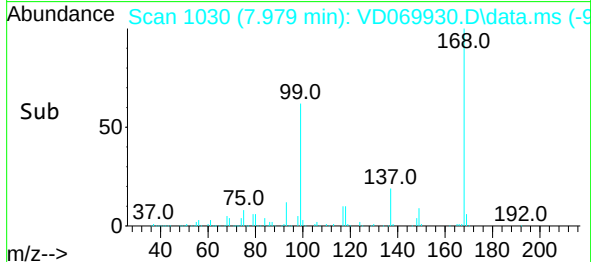
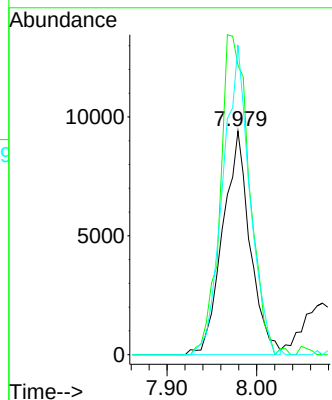


#31
Cyclohexane
Concen: 1.336 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

Instrument :
MSVOA_D
ClientSampleId :
282

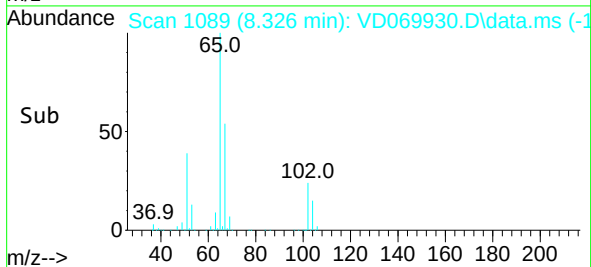
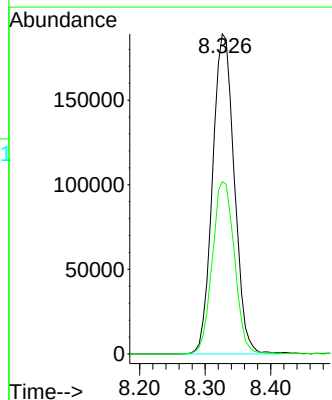
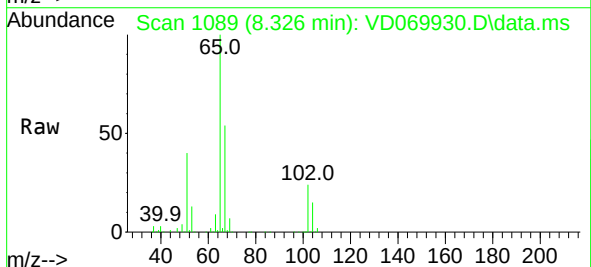


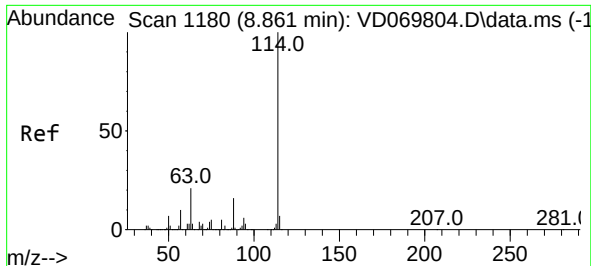
Tgt Ion: 56 Resp: 19904
Ion Ratio Lower Upper
56 100
69 129.5 27.9 41.9#
84 138.5 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 57.136 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

Tgt Ion: 65 Resp: 435760
Ion Ratio Lower Upper
65 100
67 54.8 0.0 111.2



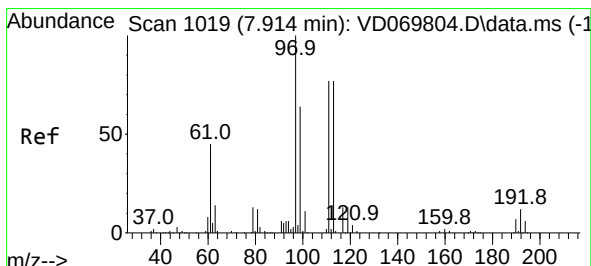
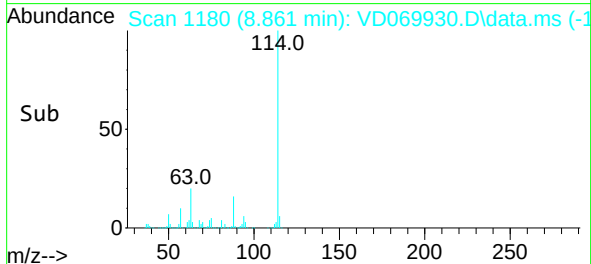
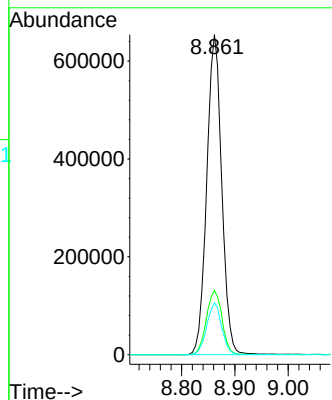
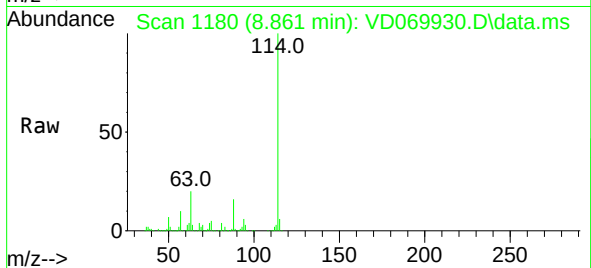


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

Instrument :
MSVOA_D
ClientSampled :
282

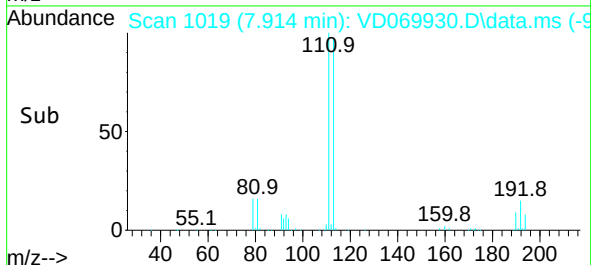
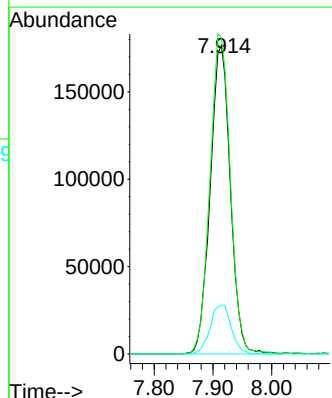
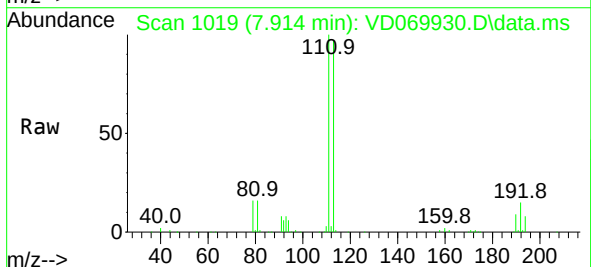
Tgt Ion:114 Resp: 1276348
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.6
88 16.2 0.0 31.4

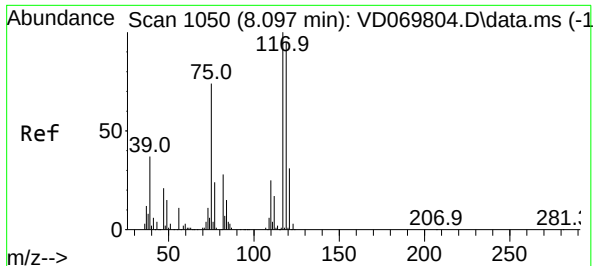


#35

Dibromofluoromethane
Concen: 52.211 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

Tgt Ion:113 Resp: 420098
Ion Ratio Lower Upper
113 100
111 105.1 80.5 120.7
192 16.7 12.6 19.0

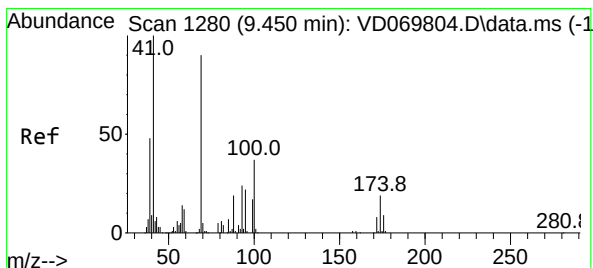
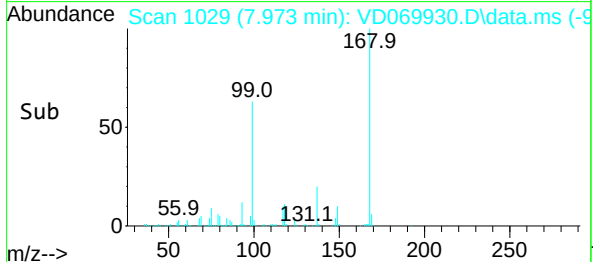
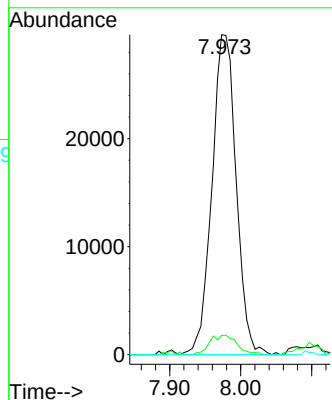
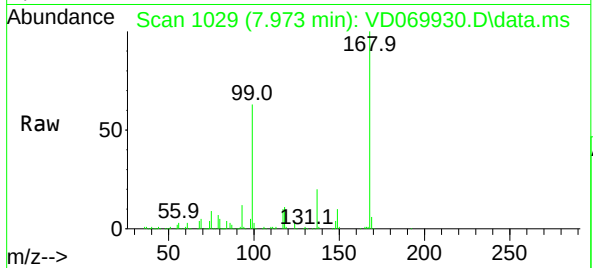




#38
Carbon Tetrachloride
Concen: 5.575 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

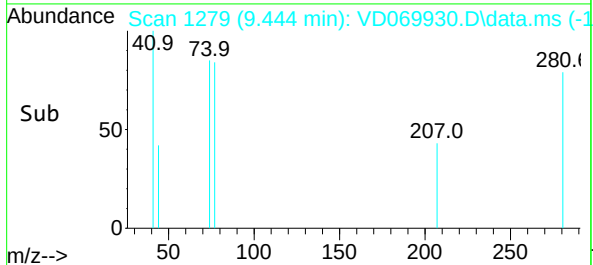
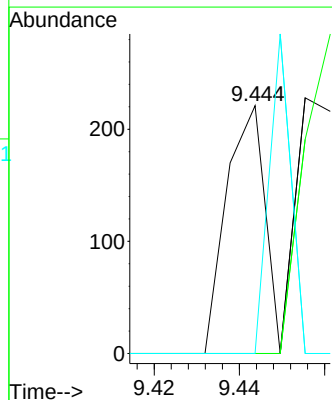
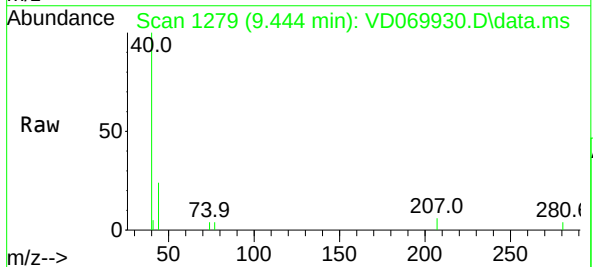
Instrument :
MSVOA_D
ClientSampled :
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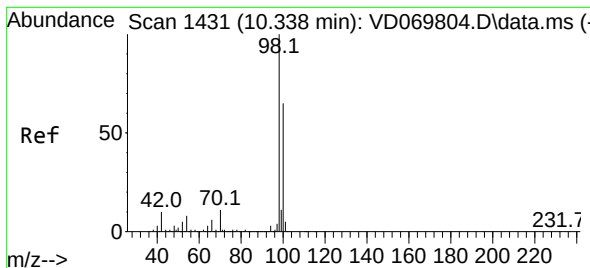
Tgt Ion:117 Resp: 70139
Ion Ratio Lower Upper
117 100
119 6.0 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.774 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

Tgt Ion: 41 Resp: 138
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 73.2 36.6 55.0#

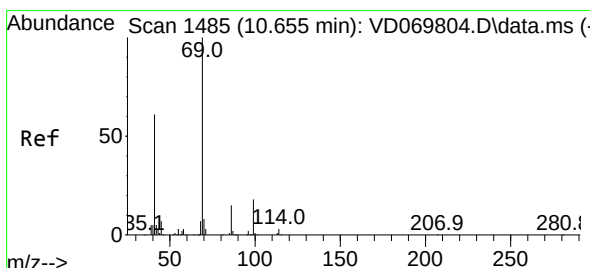
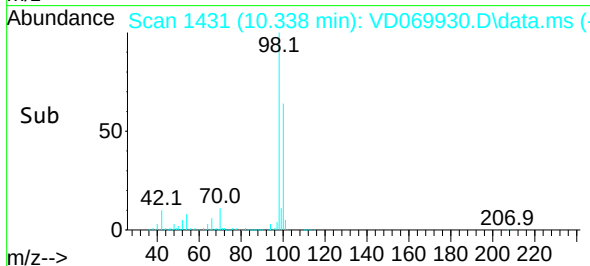
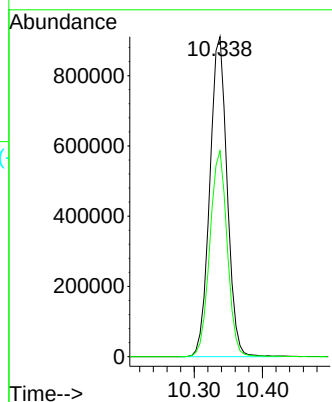
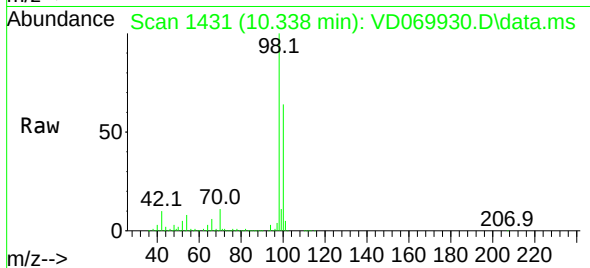




#50
Toluene-d8
Concen: 51.914 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

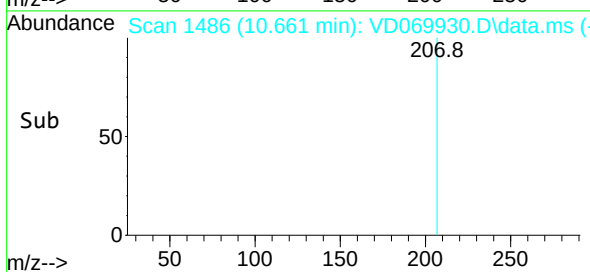
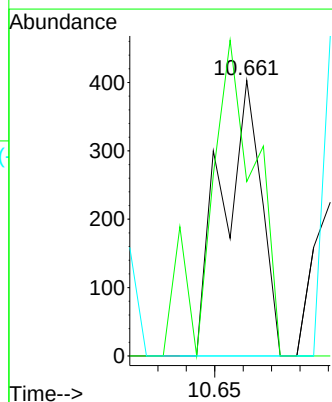
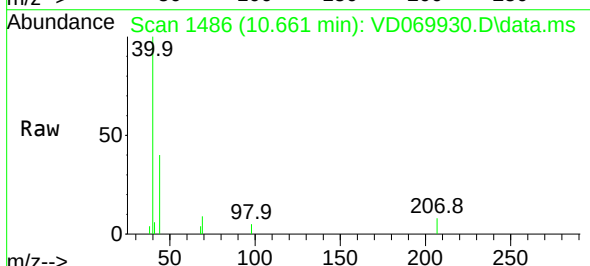
Instrument :
MSVOA_D
ClientSampled :
282

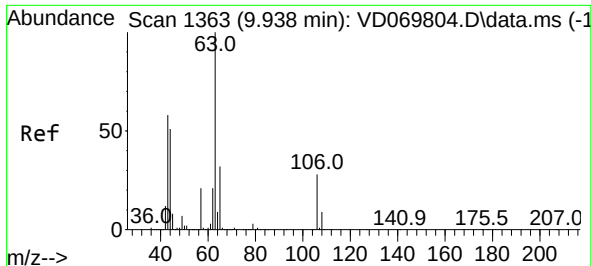
Tgt Ion: 98 Resp: 1610635
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.935 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

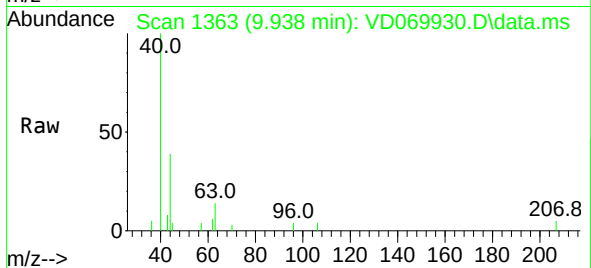
Tgt Ion: 69 Resp: 386
Ion Ratio Lower Upper
69 100
41 135.2 50.2 75.2#
39 0.0 22.0 33.0#



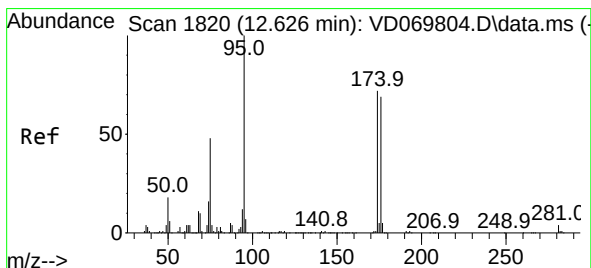
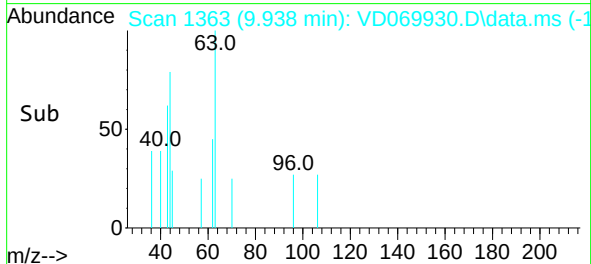
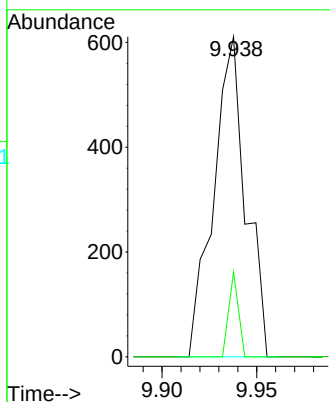


#58
 2-Chloroethyl Vinyl ether
 Concen: 21.038 ug/l
 RT: 9.938 min Scan# 1363
 Delta R.T. -0.000 min
 Lab File: VD069930.D
 Acq: 30 Jul 2021 11:11

Instrument :
 MSVOA_D
 ClientSampled :
 282

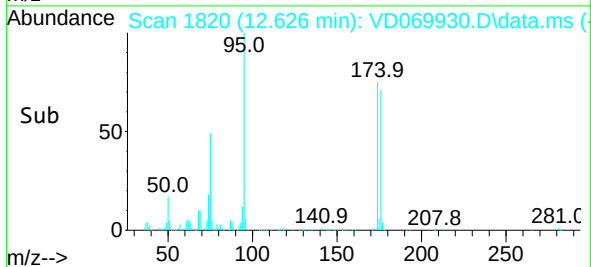
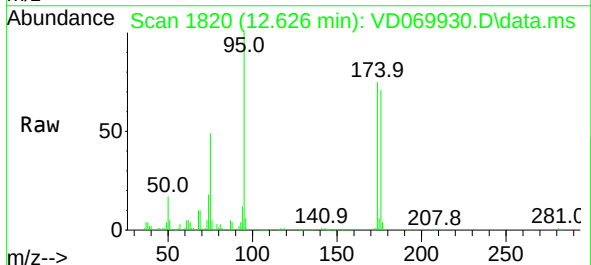
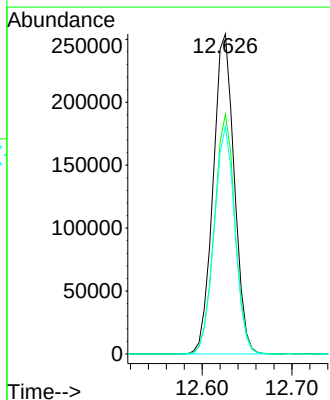


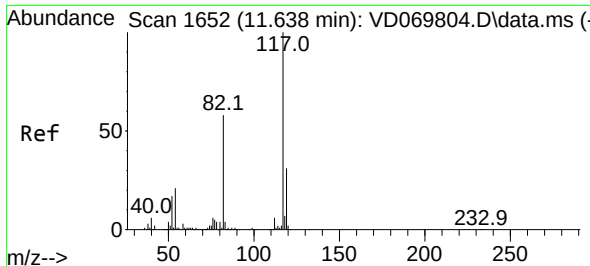
Tgt Ion: 63 Resp: 723
 Ion Ratio Lower Upper
 63 100
 106 7.9 21.8 32.6#



#62
 4-Bromofluorobenzene
 Concen: 40.088 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.000 min
 Lab File: VD069930.D
 Acq: 30 Jul 2021 11:11

Tgt Ion: 95 Resp: 415662
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 142.6
 176 70.0 0.0 134.2

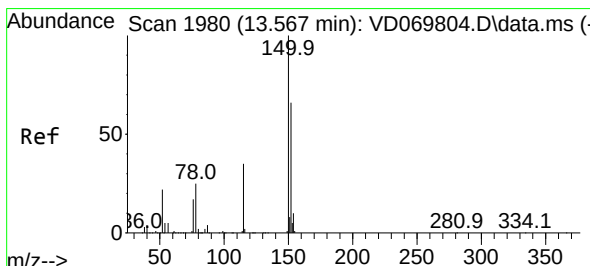
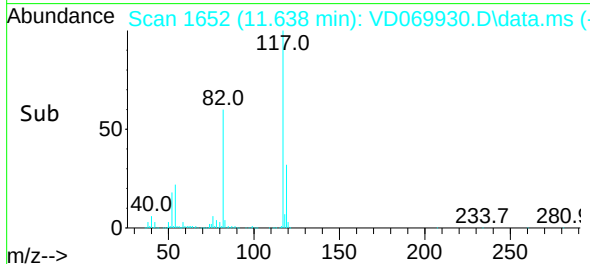
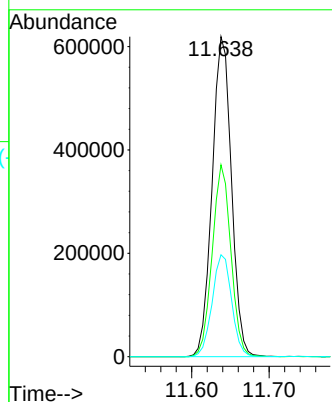
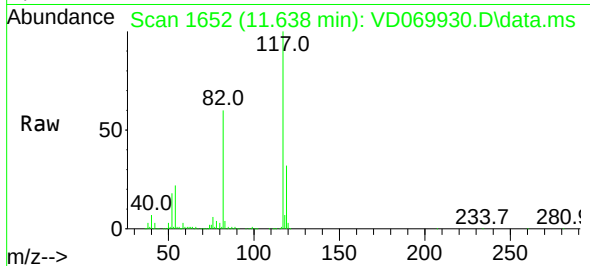




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

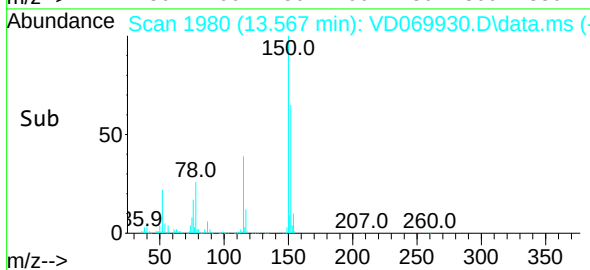
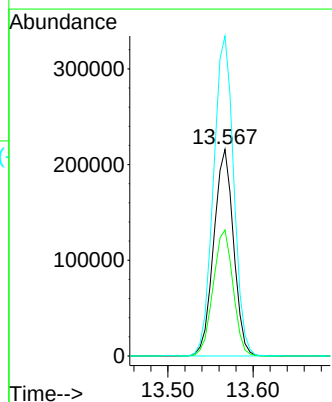
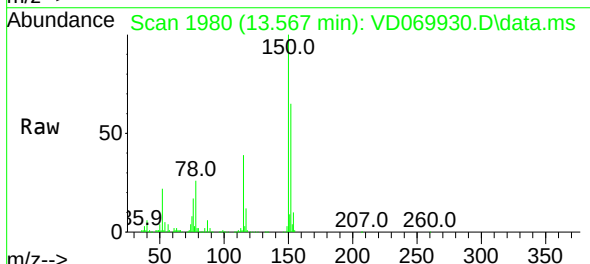
Instrument :
MSVOA_D
ClientSampleId :
282

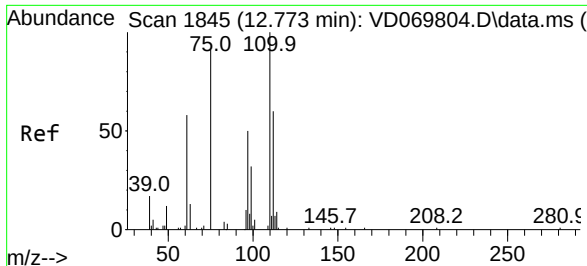
Tgt Ion:117 Resp: 1073032
Ion Ratio Lower Upper
117 100
82 60.0 46.3 69.5
119 31.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

Tgt Ion:152 Resp: 349243
Ion Ratio Lower Upper
152 100
115 61.2 31.1 93.3
150 158.0 0.0 343.0

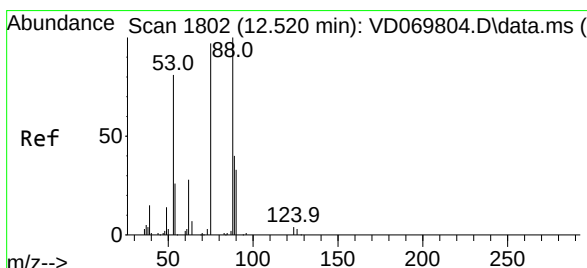
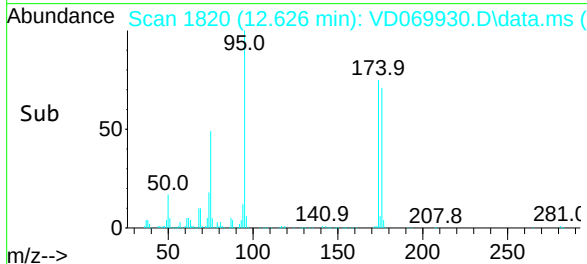
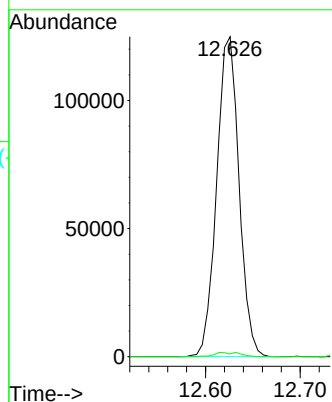
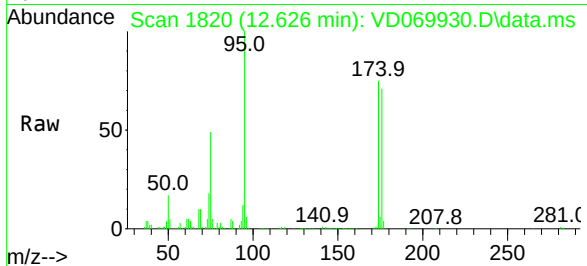




#76
1,2,3-Trichloropropane
Concen: 55.204 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

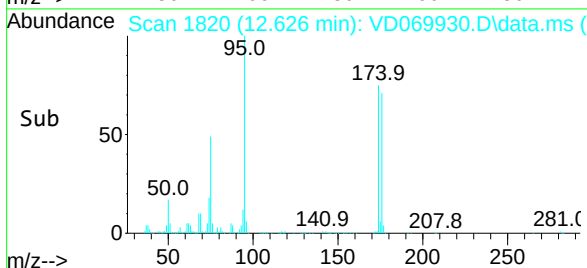
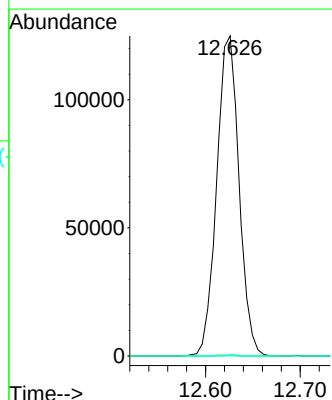
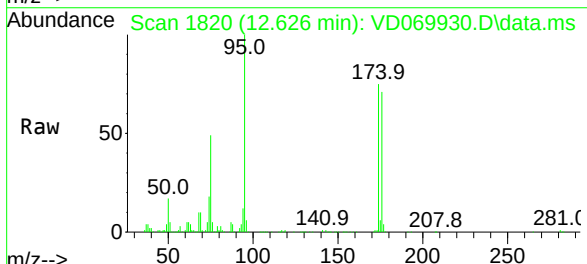
Instrument :
MSVOA_D
ClientSampled :
282

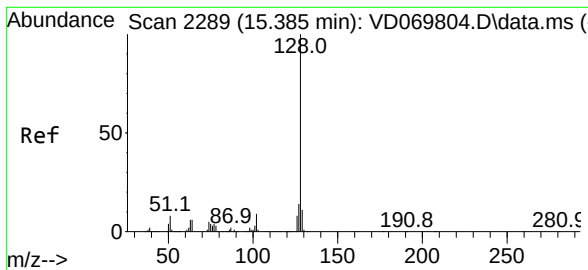
Tgt Ion: 75 Resp: 204929
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 167.475 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

Tgt Ion: 75 Resp: 204929
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.1 35.8 53.6#





#95
Naphthalene
Concen: 5.325 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069930.D
Acq: 30 Jul 2021 11:11

Instrument :
MSVOA_D
ClientSampleId :
282

Tgt Ion	Ratio	Lower	Upper
128	100		
127	19.7	10.6	16.0#
129	3.9	8.6	12.8#

