

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080421\
 Data File : VD069985.D
 Acq On : 04 Aug 2021 14:47
 Operator : VA/SY
 Sample : M3276-01RE
 Misc : 6.41G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 05 03:11:02 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)

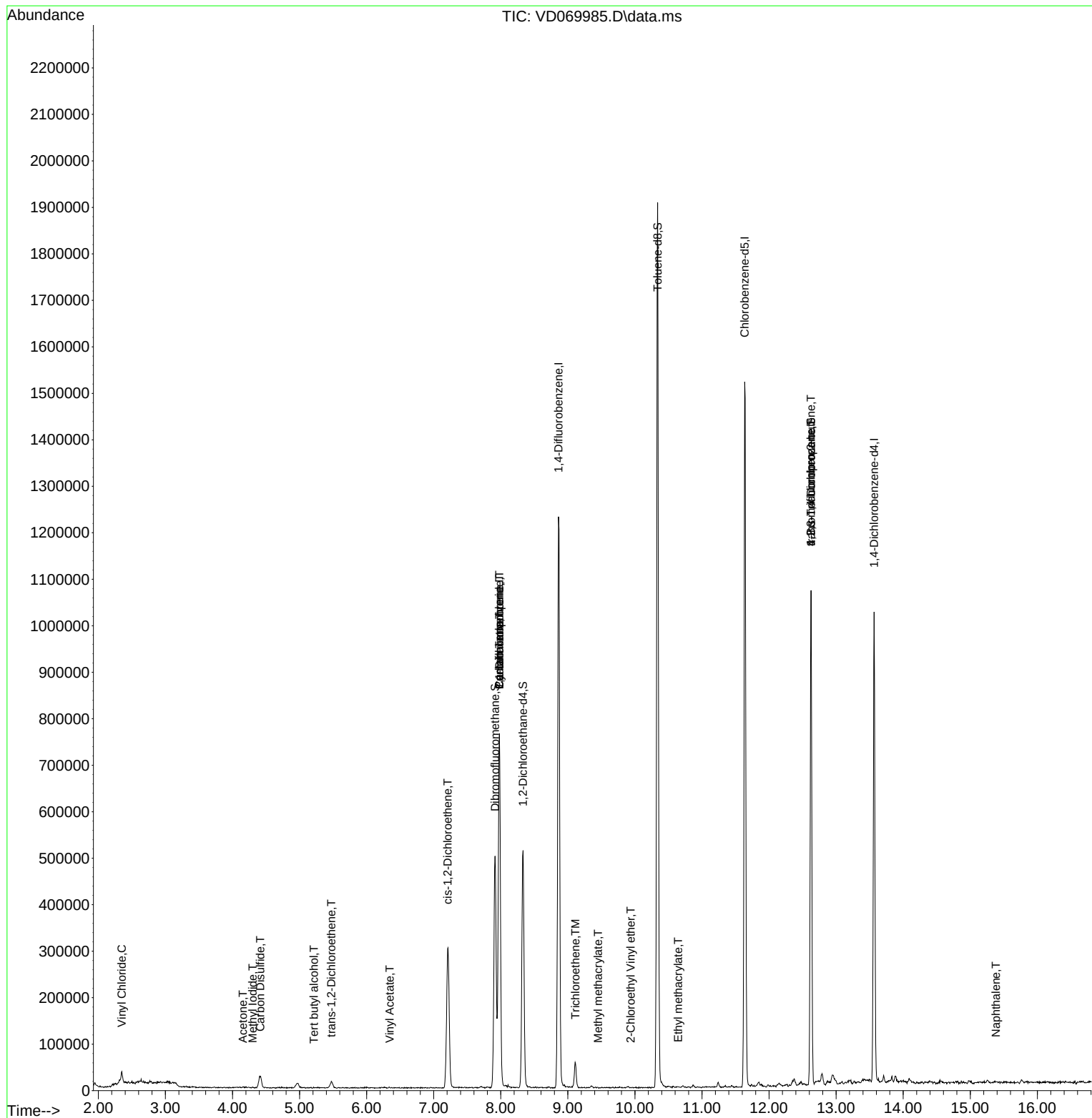
Internal Standards						
1) Pentafluorobenzene	7.979	168	547718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1065605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	893892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	263895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	406795	64.578	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.160%			
35) Dibromofluoromethane	7.914	113	374962	55.818	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.640%			
50) Toluene-d8	10.338	98	1314428	50.745	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.500%			
62) 4-Bromofluorobenzene	12.626	95	343423	39.671	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 79.340%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.350	62	20225	2.299	ug/l	92
5) Bromomethane	2.773	94	2112	Below Cal		87
10) Methyl Iodide	4.303	142	1054	3.607	ug/l #	54
11) Tert butyl alcohol	5.214	59	485	1.488	ug/l #	73
16) Acetone	4.156	43	3161	2.778	ug/l #	83
17) Carbon Disulfide	4.414	76	58601	2.615	ug/l	95
20) Methylene Chloride	4.956	84	8124	Below Cal	#	90
21) trans-1,2-Dichloroethene	5.473	96	7869	1.066	ug/l #	77
23) Vinyl Acetate	6.344	43	211	20.367	ug/l #	71
27) cis-1,2-Dichloroethene	7.208	96	191597	24.316	ug/l	88
31) Cyclohexane	7.979	56	12898	1.048	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	47802	4.157	ug/l #	49
38) Carbon Tetrachloride	7.979	117	57071	5.433	ug/l #	18
44) Trichloroethene	9.114	130	19045	2.321	ug/l	89
48) Methyl methacrylate	9.450	41	122	2.776	ug/l #	13
56) Ethyl methacrylate	10.644	69	984	4.017	ug/l #	49
58) 2-Chloroethyl Vinyl ether	9.938	63	56	20.886	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	168747	60.159	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	168747	182.507	ug/l #	16
95) Naphthalene	15.384	128	1227	5.127	ug/l #	77

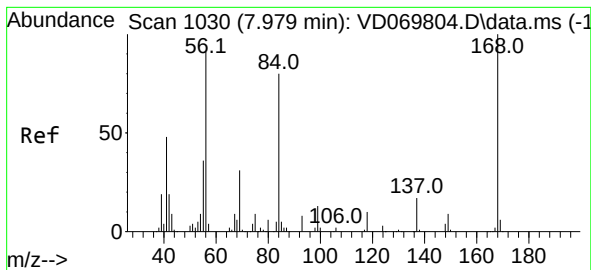
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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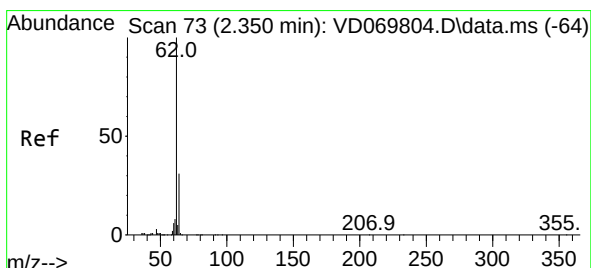
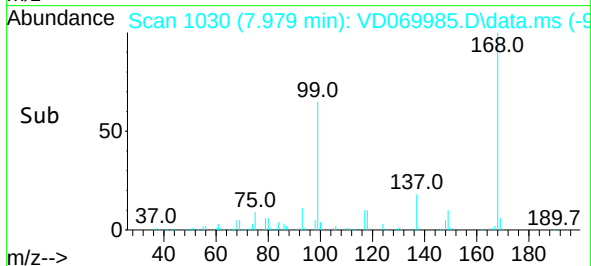
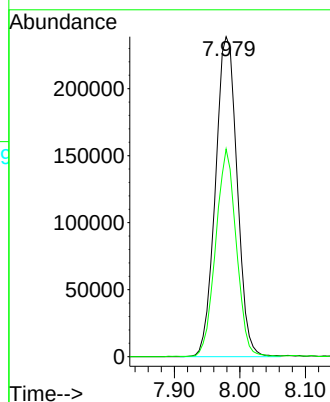
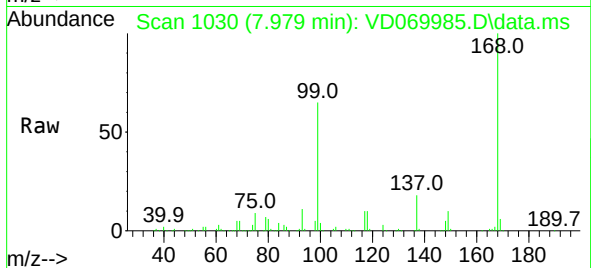




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

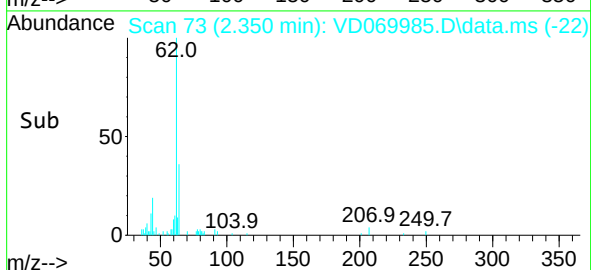
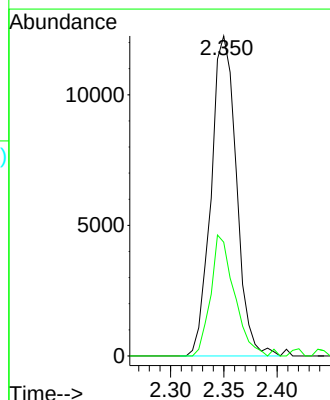
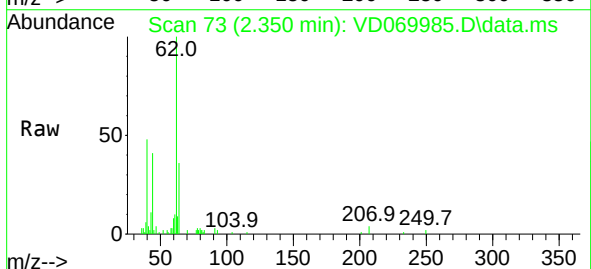
Instrument :
MSVOA_D
ClientSampled :

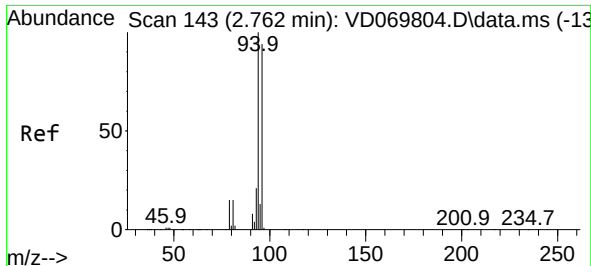
Tgt Ion:168 Resp: 547718
Ion Ratio Lower Upper
168 100
99 64.8 51.1 76.7



#4
Vinyl Chloride
Concen: 2.299 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

Tgt Ion: 62 Resp: 20225
Ion Ratio Lower Upper
62 100
64 35.6 25.0 37.4

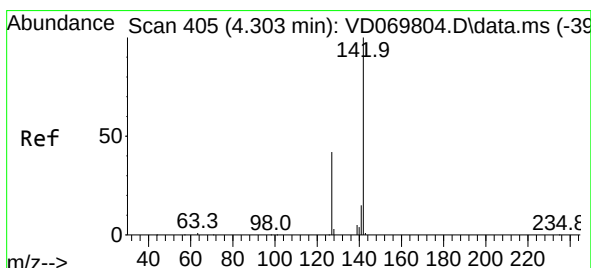
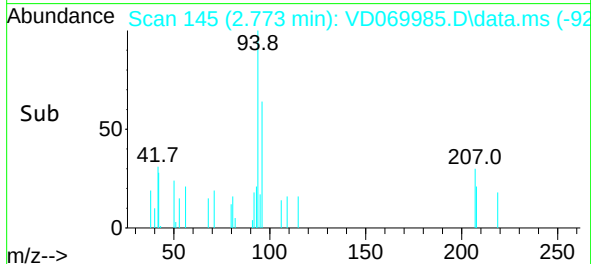
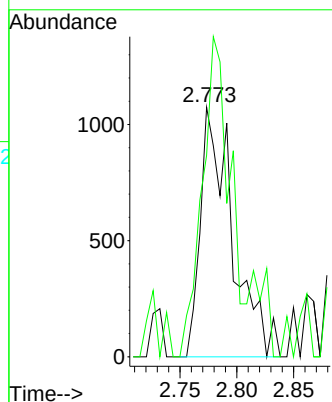
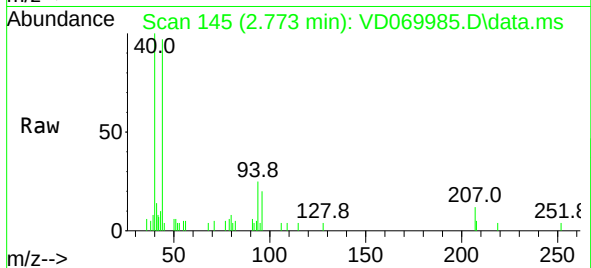




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

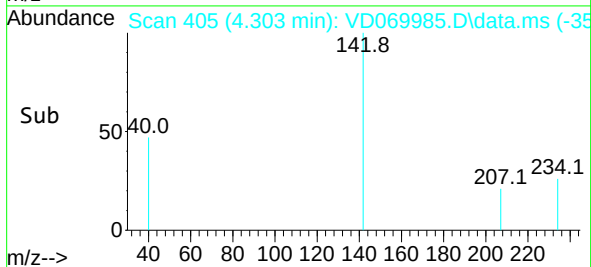
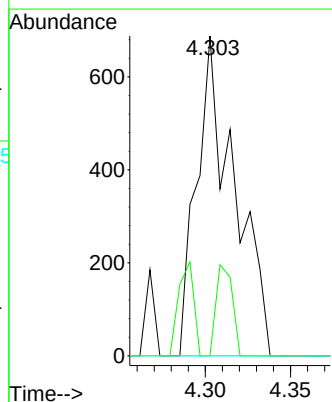
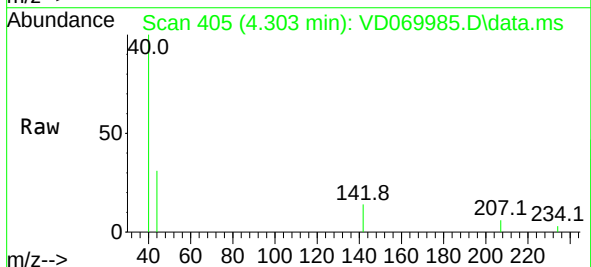
Instrument :
MSVOA_D
ClientSampled :

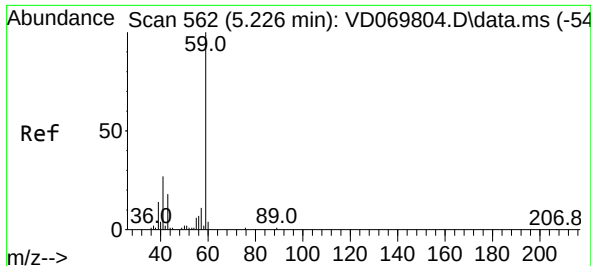
Tgt Ion: 94 Resp: 2112
Ion Ratio Lower Upper
94 100
96 80.7 74.8 112.2



#10
Methyl Iodide
Concen: 3.607 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

Tgt Ion:142 Resp: 1054
Ion Ratio Lower Upper
142 100
127 12.2 35.7 53.5#
141 0.0 12.0 18.0#



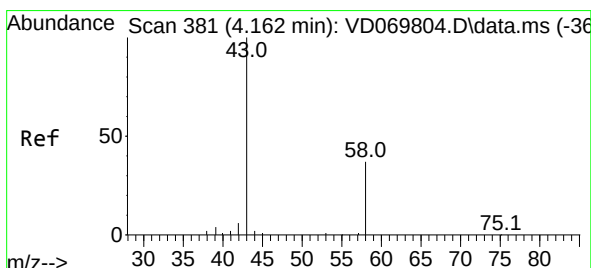
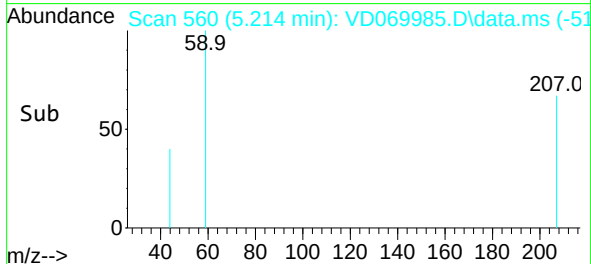
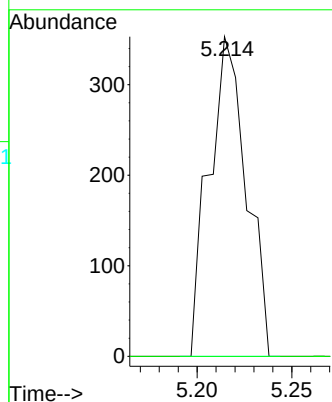
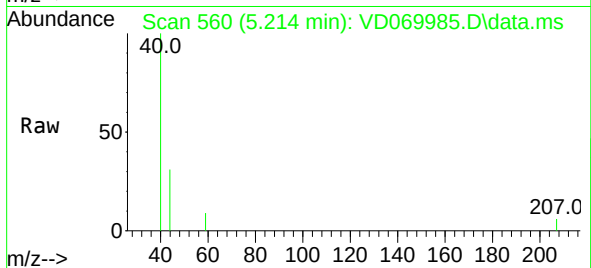


#11

Tert butyl alcohol
Concen: 1.488 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

Instrument :
MSVOA_D
ClientSampled :

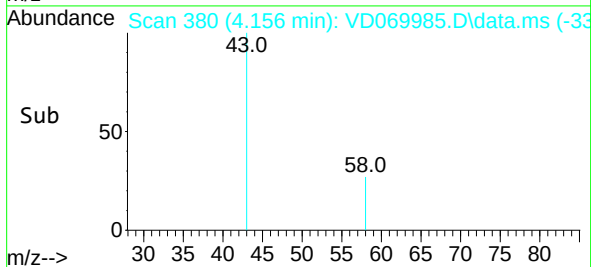
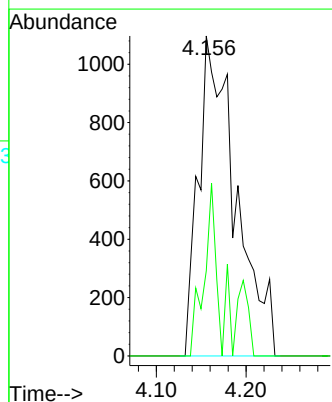
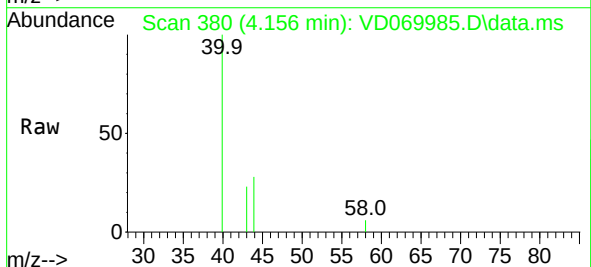
Tgt Ion: 59 Resp: 485
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

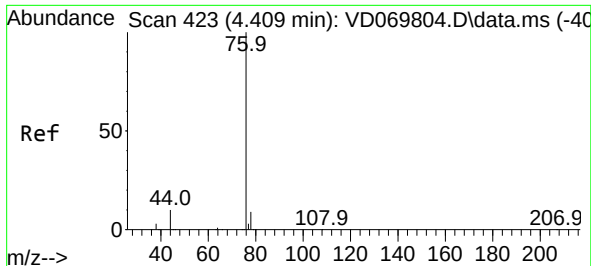


#16

Acetone
Concen: 2.778 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

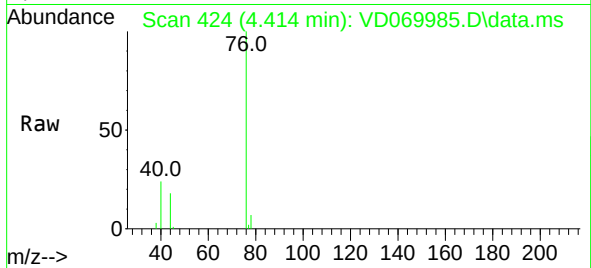
Tgt Ion: 43 Resp: 3161
Ion Ratio Lower Upper
43 100
58 26.6 29.4 44.0#



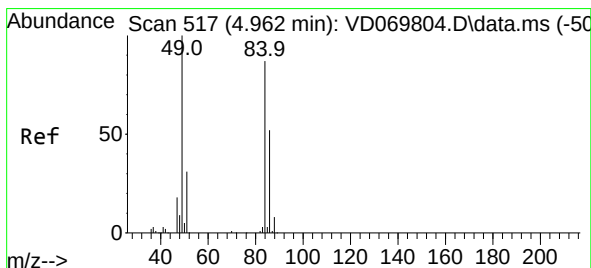
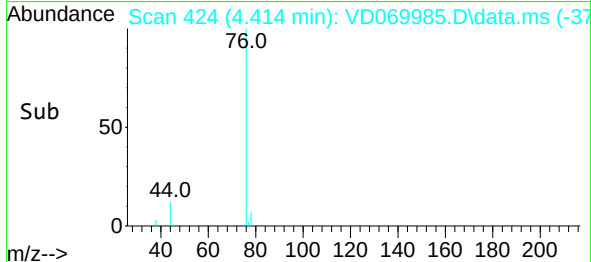
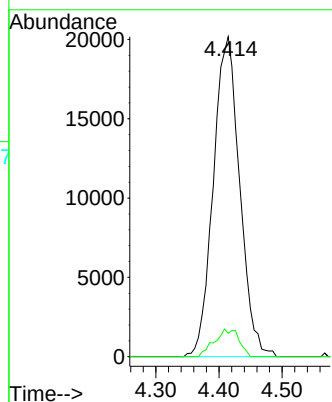


#17
Carbon Disulfide
Concen: 2.615 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

Instrument :
MSVOA_D
ClientSampled :

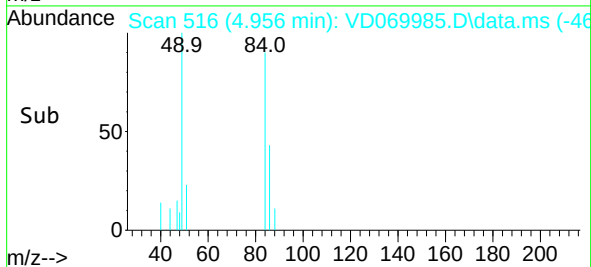
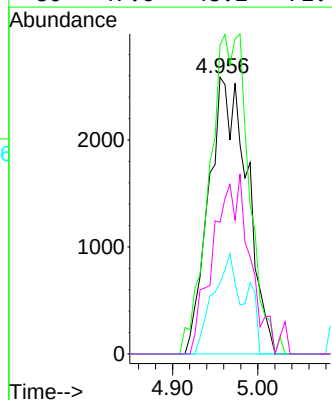
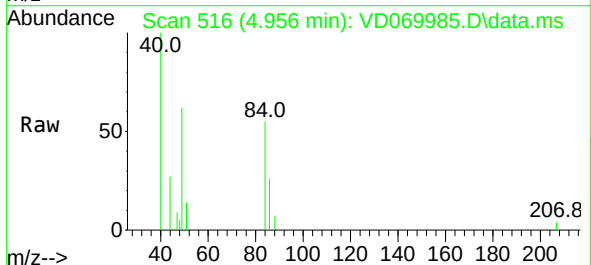


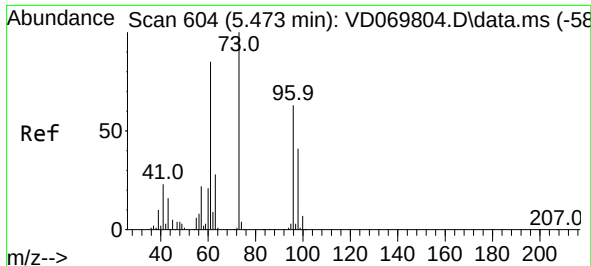
Tgt Ion: 76 Resp: 58601
Ion Ratio Lower Upper
76 100
78 7.3 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

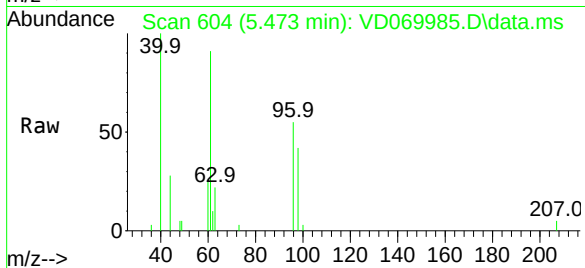
Tgt Ion: 84 Resp: 8124
Ion Ratio Lower Upper
84 100
49 111.6 92.4 138.6
51 25.6 28.5 42.7#
86 47.6 48.2 72.4#



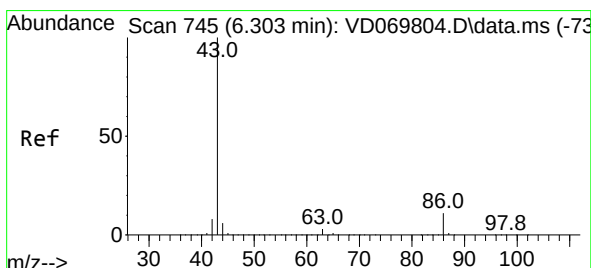
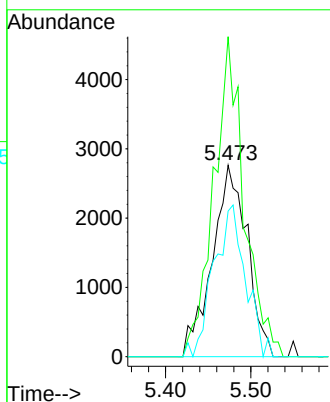
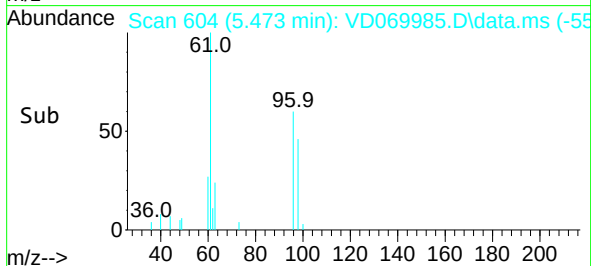


#21
trans-1,2-Dichloroethene
Concen: 1.066 ug/l
RT: 5.473 min Scan# 604
Delta R.T. -0.000 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

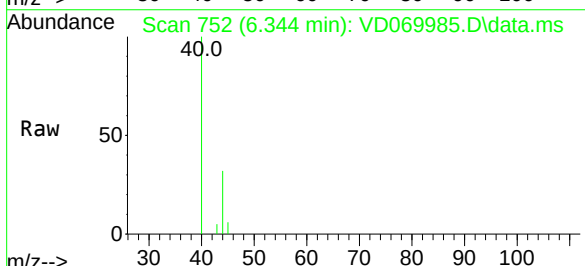
Instrument :
MSVOA_D
ClientSampled :



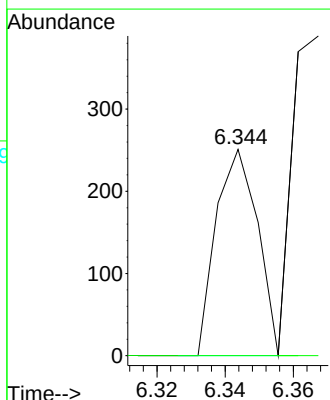
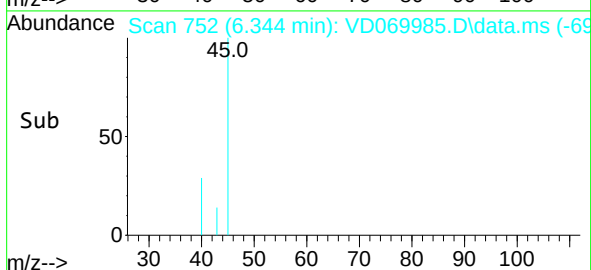
Tgt Ion: 96 Resp: 7869
Ion Ratio Lower Upper
96 100
61 167.2 107.0 160.6#
98 76.1 52.3 78.5

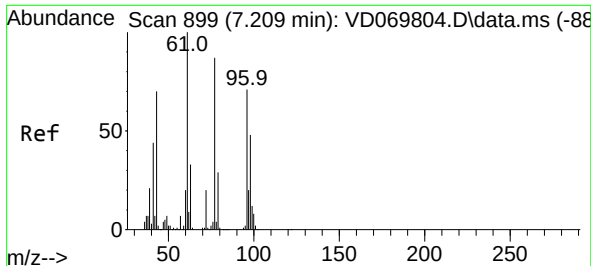


#23
Vinyl Acetate
Concen: 20.367 ug/l
RT: 6.344 min Scan# 752
Delta R.T. 0.041 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47



Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
86 0.0 8.6 13.0#





#27

cis-1,2-Dichloroethene

Concen: 24.316 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.000 min

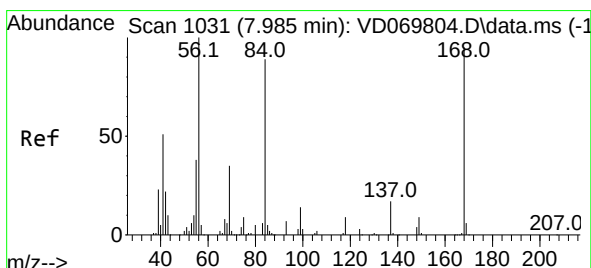
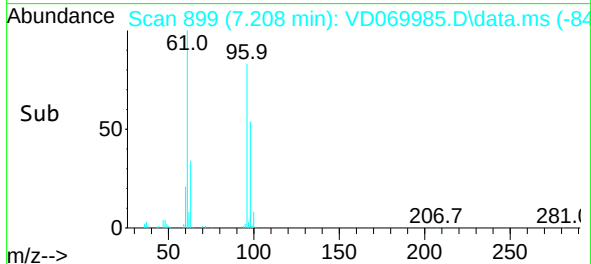
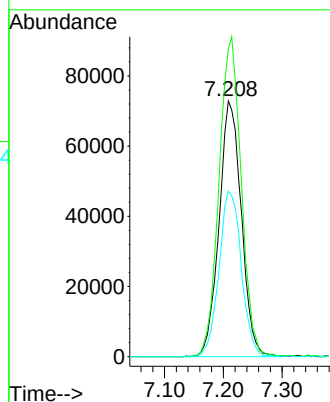
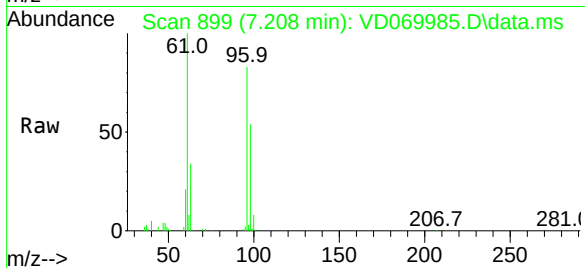
Lab File: VD069985.D

Acq: 04 Aug 2021 14:47

Tgt Ion: 96 Resp: 191597

Ion	Ratio	Lower	Upper
96	100		
61	124.9	0.0	291.6
98	64.9	0.0	132.0

Instrument :
MSVOA_D
ClientSampleId :



#31

Cyclohexane

Concen: 1.048 ug/l

RT: 7.979 min Scan# 1030

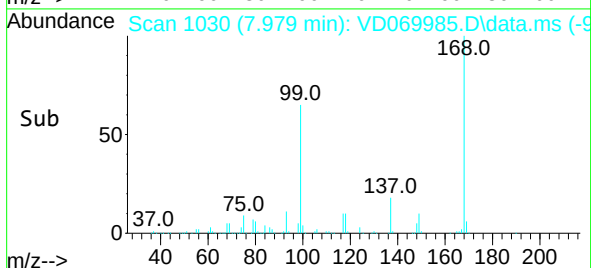
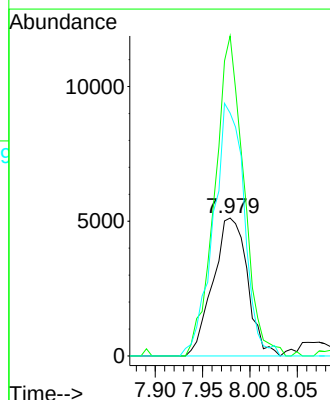
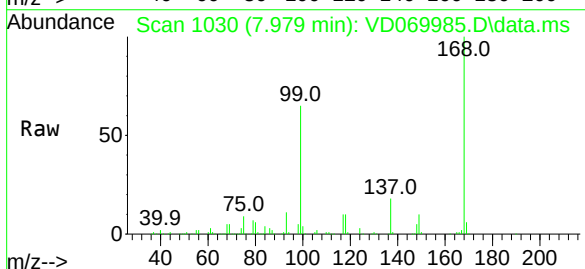
Delta R.T. -0.006 min

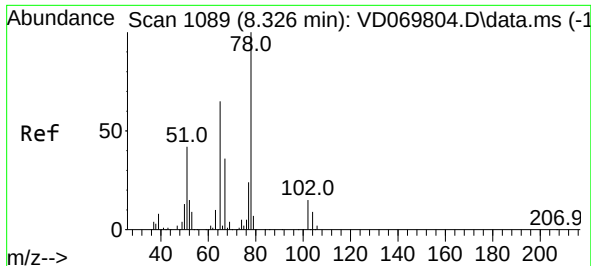
Lab File: VD069985.D

Acq: 04 Aug 2021 14:47

Tgt Ion: 56 Resp: 12898

Ion	Ratio	Lower	Upper
56	100		
69	232.0	27.9	41.9#
84	176.1	71.4	107.2#

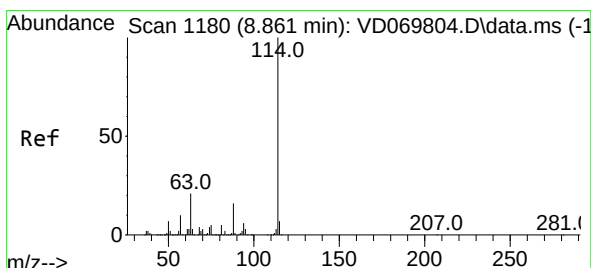
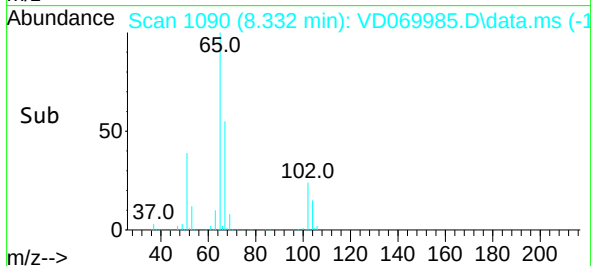
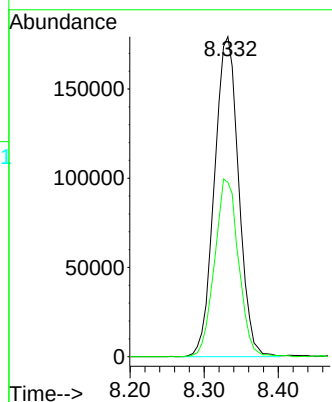
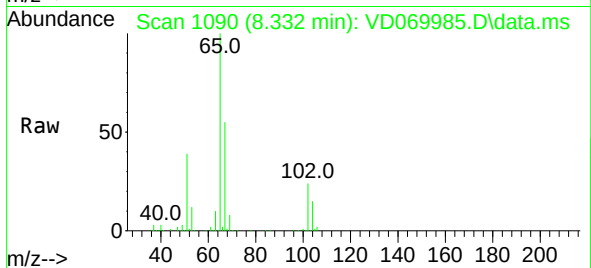




#33
1,2-Dichloroethane-d4
Concen: 64.578 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

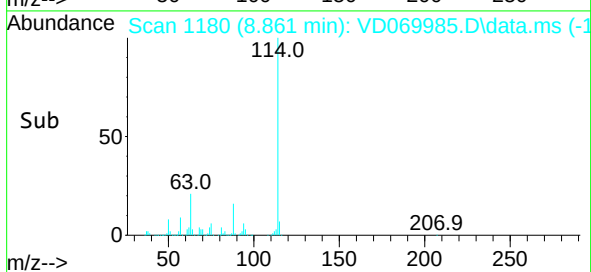
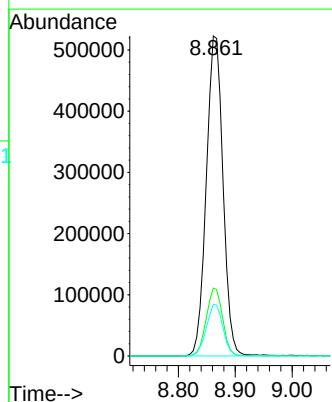
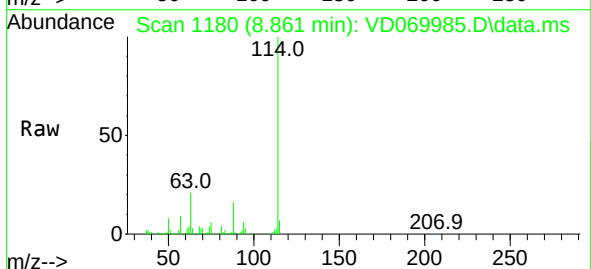
Instrument :
MSVOA_D
ClientSampleId :

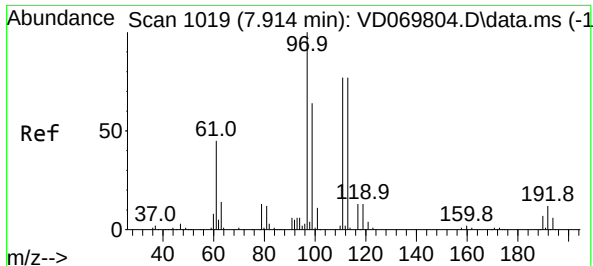
Tgt Ion: 65 Resp: 406795
Ion Ratio Lower Upper
65 100
67 55.0 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

Tgt Ion: 114 Resp: 1065605
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.6
88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.818 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069985.D

Acq: 04 Aug 2021 14:47

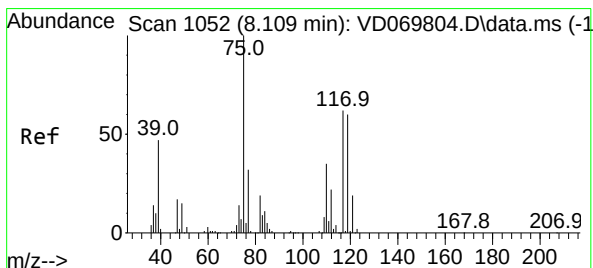
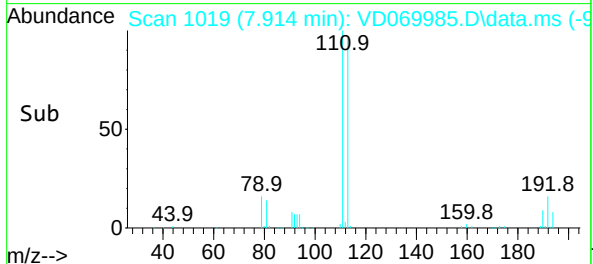
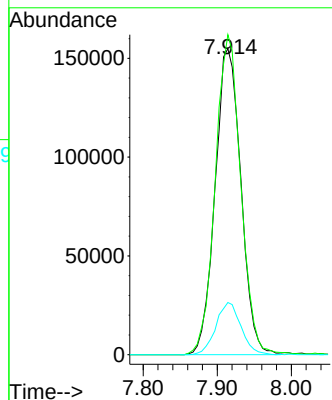
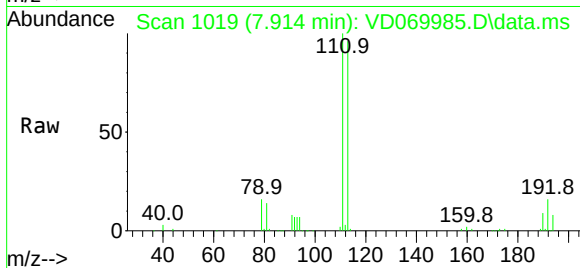
Tgt Ion:113 Resp: 374962

Ion Ratio Lower Upper

113 100

111 103.2 80.5 120.7

192 16.5 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.157 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD069985.D

Acq: 04 Aug 2021 14:47

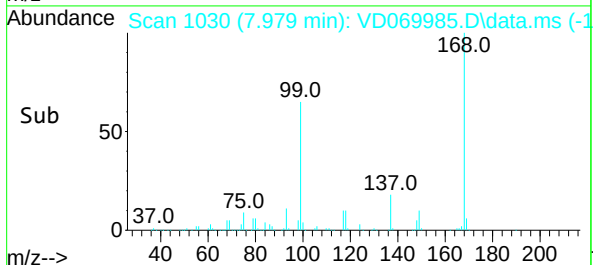
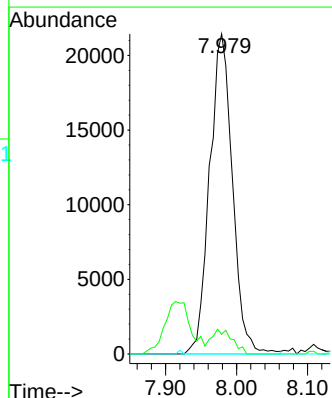
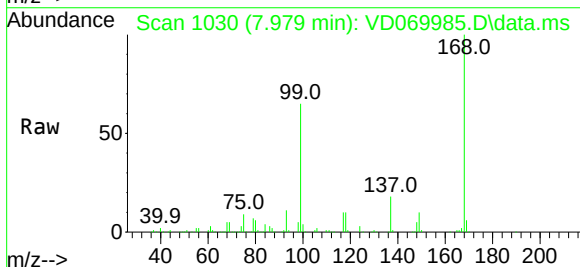
Tgt Ion: 75 Resp: 47802

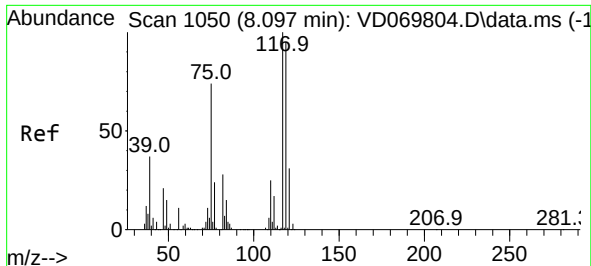
Ion Ratio Lower Upper

75 100

110 7.0 16.9 50.7#

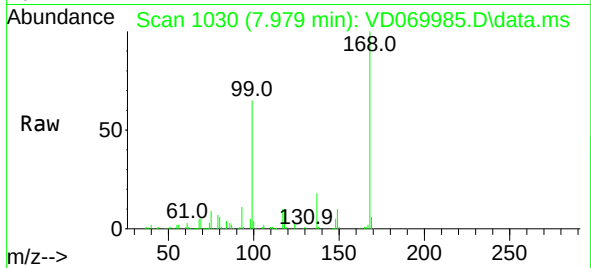
77 0.0 24.9 37.3#



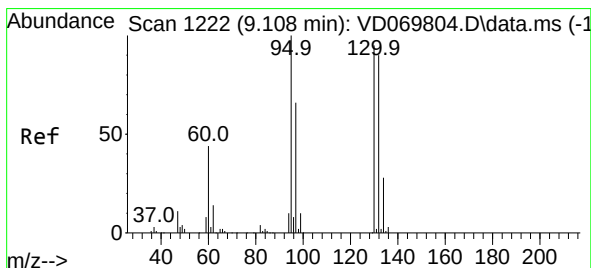
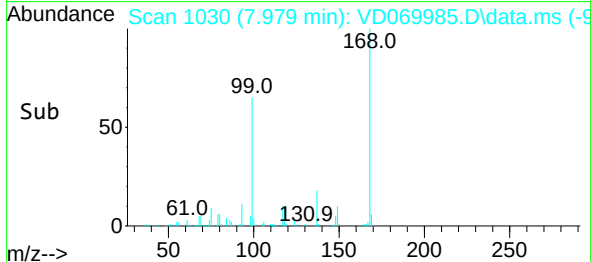
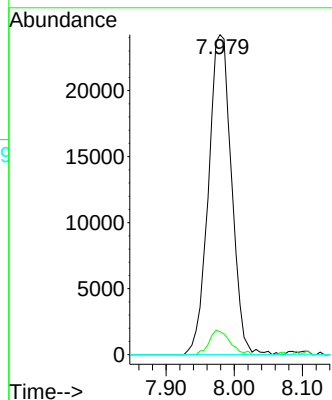


#38
Carbon Tetrachloride
Concen: 5.433 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

Instrument :
MSVOA_D
ClientSampleId :

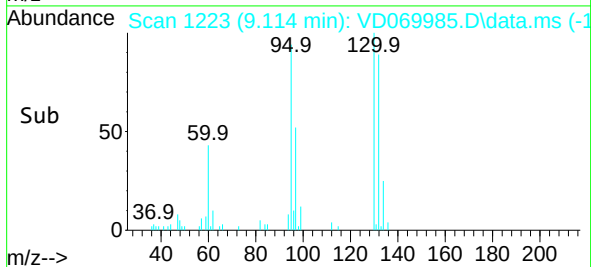
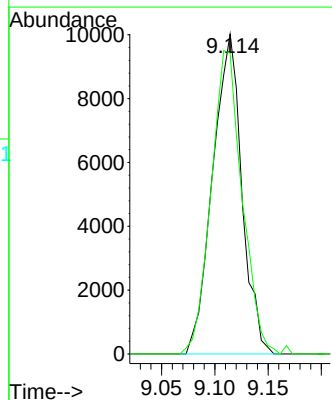
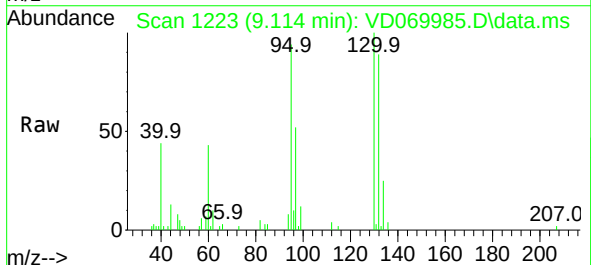


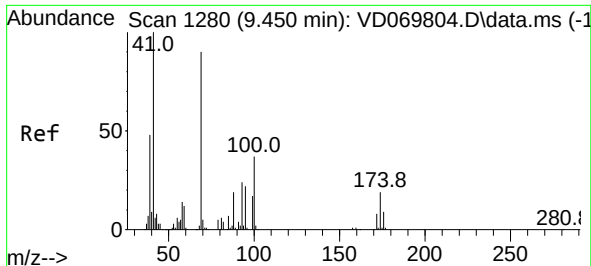
Tgt Ion:117 Resp: 57071
Ion Ratio Lower Upper
117 100
119 7.2 76.2 114.2#
121 0.0 24.5 36.7#



#44
Trichloroethene
Concen: 2.321 ug/l
RT: 9.114 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

Tgt Ion:130 Resp: 19045
Ion Ratio Lower Upper
130 100
95 94.0 0.0 210.8

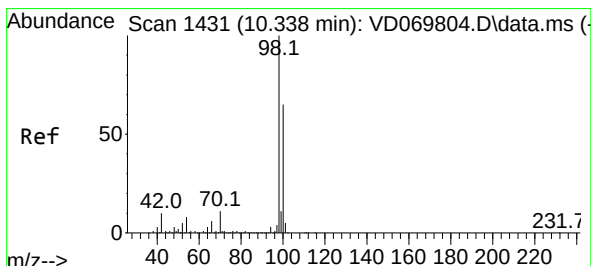
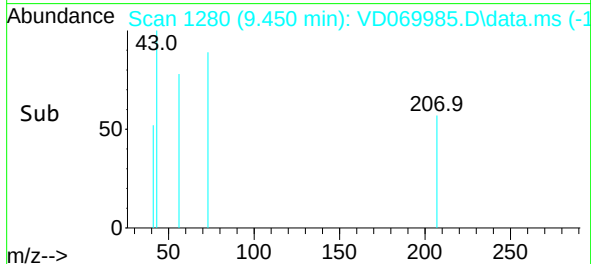
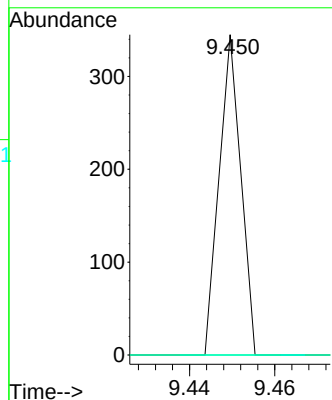
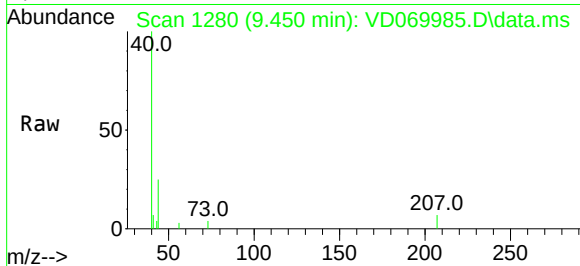




#48
Methyl methacrylate
Concen: 2.776 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

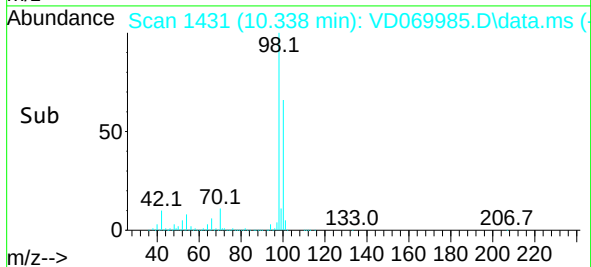
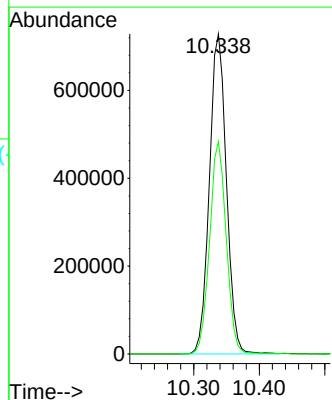
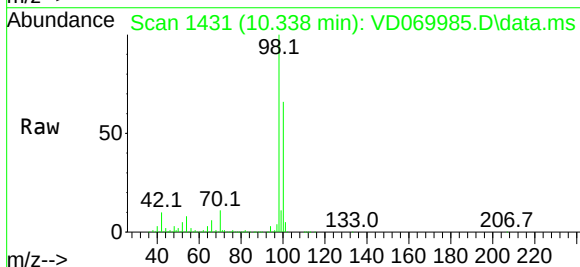
Instrument :
MSVOA_D
ClientSampleId :

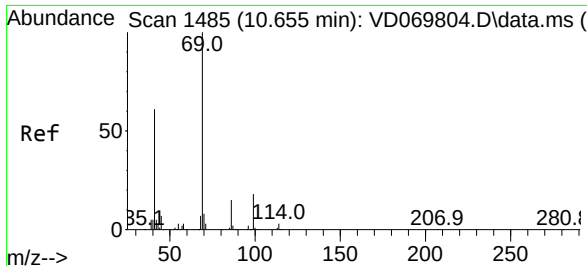
Tgt Ion: 41 Resp: 122
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 50.745 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

Tgt Ion: 98 Resp: 1314428
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

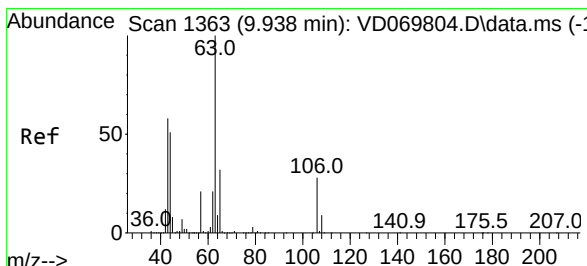
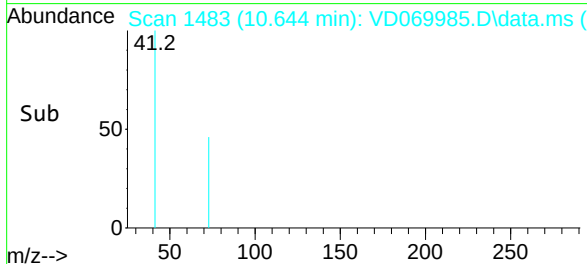
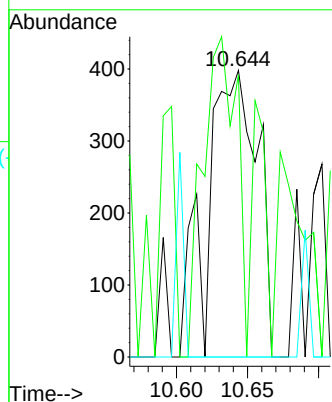
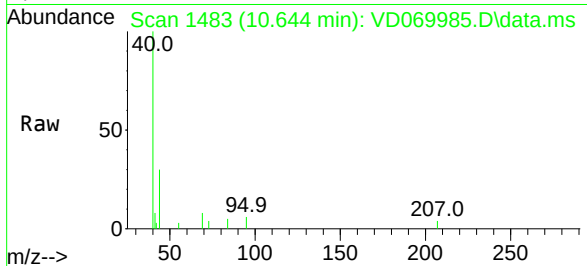




#56
Ethyl methacrylate
Concen: 4.017 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.011 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

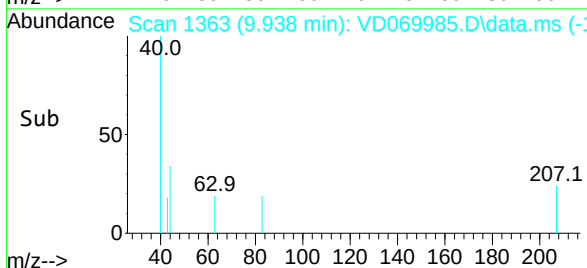
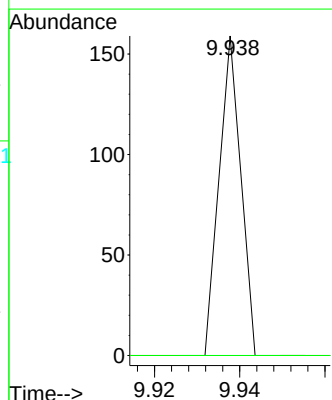
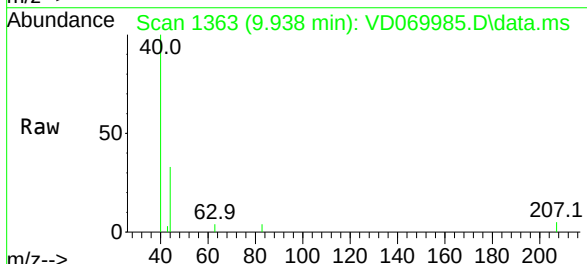
Instrument :
MSVOA_D
ClientSampled :

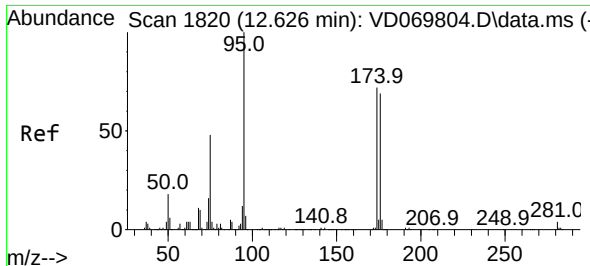
Tgt Ion: 69 Resp: 984
Ion Ratio Lower Upper
69 100
41 24.0 50.2 75.2#
39 0.0 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.886 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

Tgt Ion: 63 Resp: 56
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

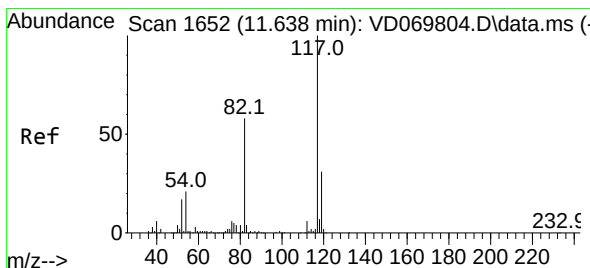
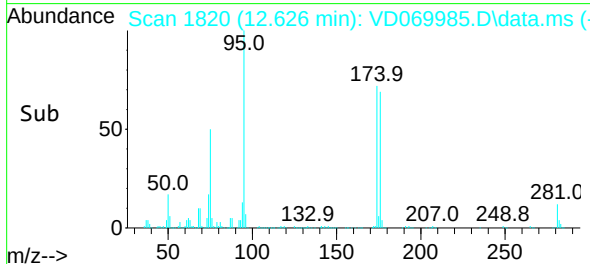
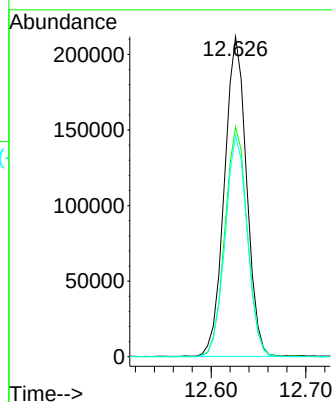
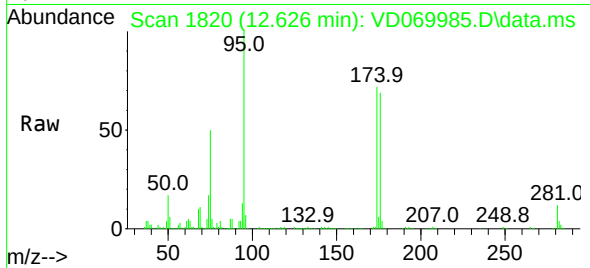




#62
4-Bromofluorobenzene
Concen: 39.671 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

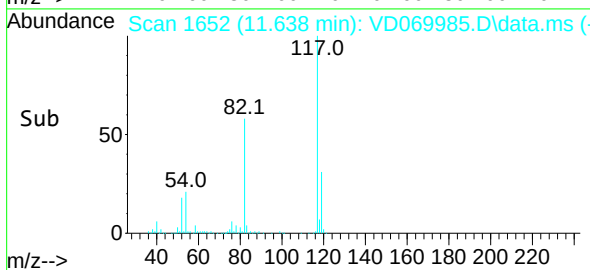
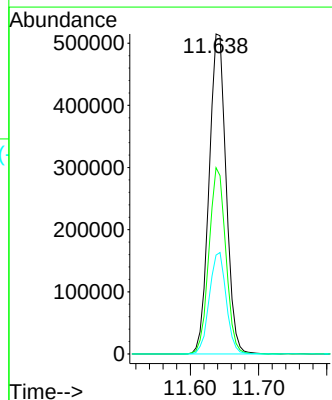
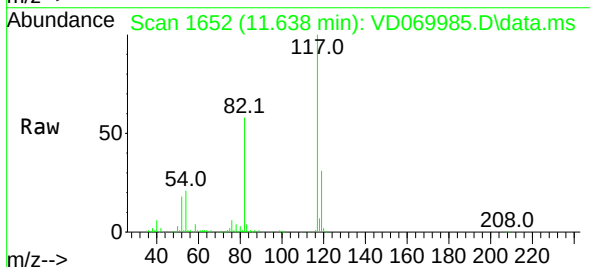
Instrument :
MSVOA_D
ClientSampleId :

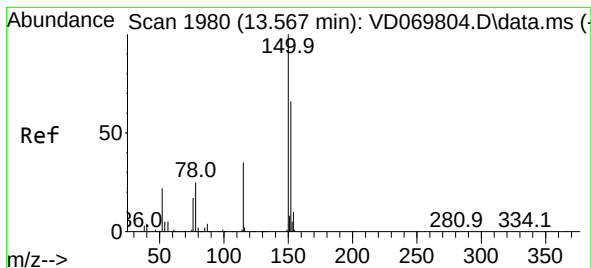
Tgt Ion: 95 Resp: 343423
Ion Ratio Lower Upper
95 100
174 72.6 0.0 142.6
176 69.5 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

Tgt Ion: 117 Resp: 893892
Ion Ratio Lower Upper
117 100
82 58.2 46.3 69.5
119 30.9 24.7 37.1

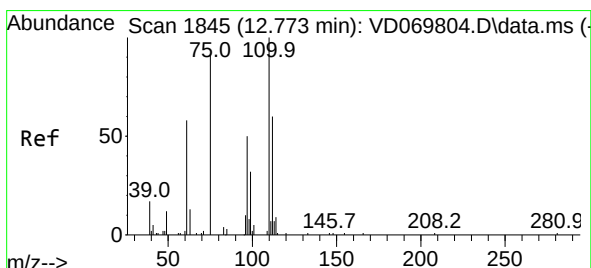
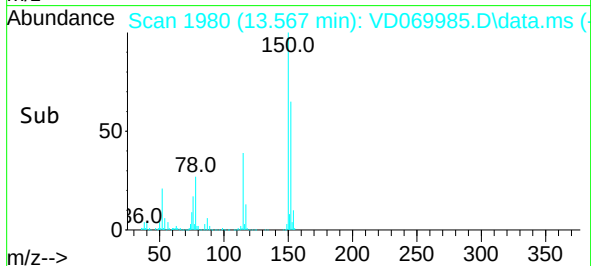
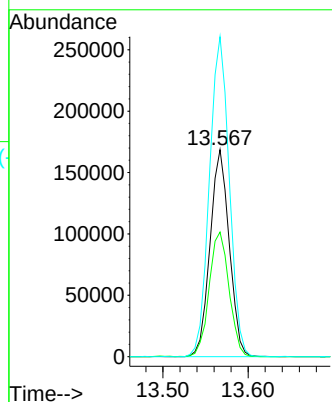
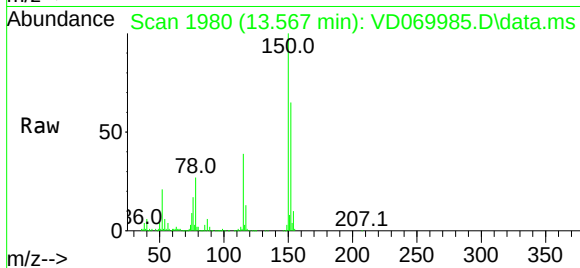




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069985.D
 Acq: 04 Aug 2021 14:47

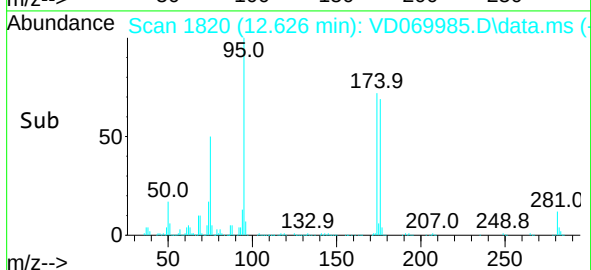
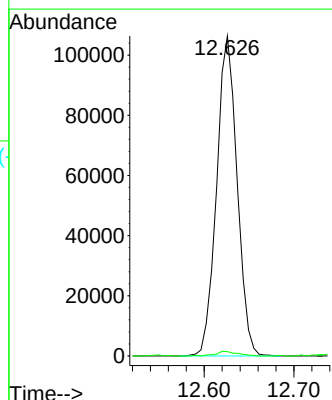
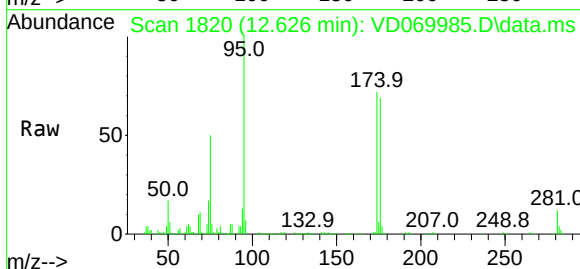
Instrument :
 MSVOA_D
 ClientSampled :

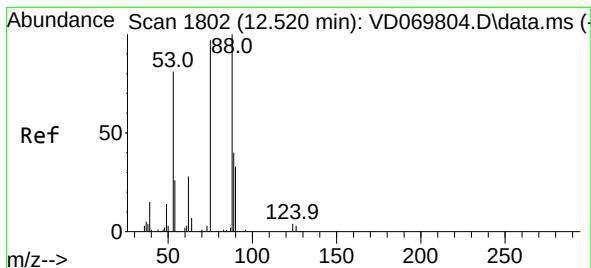
Tgt Ion:152 Resp: 263895
 Ion Ratio Lower Upper
 152 100
 115 62.4 31.1 93.3
 150 159.3 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 60.159 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069985.D
 Acq: 04 Aug 2021 14:47

Tgt Ion: 75 Resp: 168747
 Ion Ratio Lower Upper
 75 100
 77 1.5 181.5 544.5#

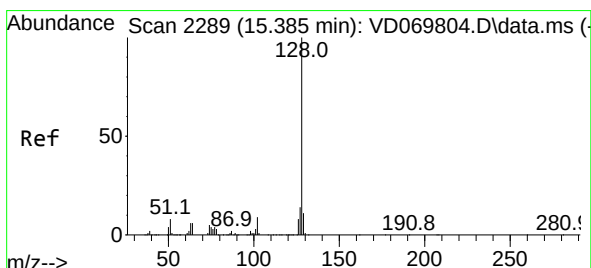
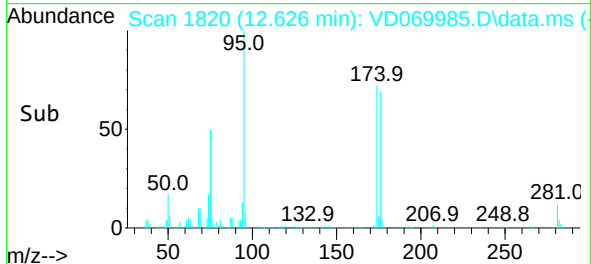
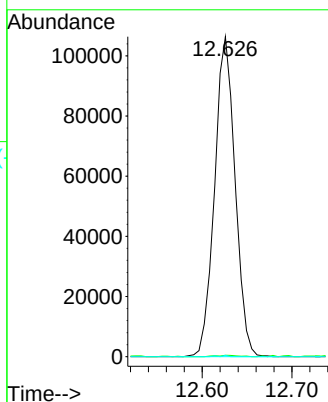
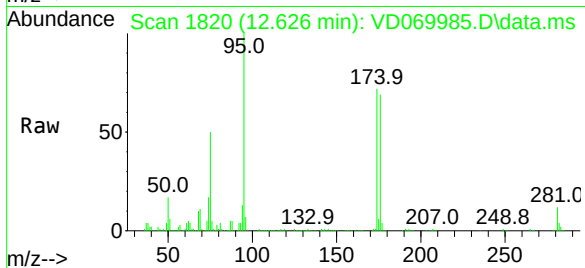




#81
trans-1,4-Dichloro-2-butene
Concen: 182.507 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 168747
Ion Ratio Lower Upper
75 100
53 0.5 67.2 100.8#
89 0.1 35.8 53.6#



#95
Naphthalene
Concen: 5.127 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD069985.D
Acq: 04 Aug 2021 14:47

Tgt Ion: 128 Resp: 1227
Ion Ratio Lower Upper
128 100
127 26.1 10.6 16.0#
129 15.2 8.6 12.8#

