

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072721\
 Data File : VD069870.D
 Acq On : 27 Jul 2021 16:54
 Operator : VA/SY
 Sample : M3186-02
 Misc : 7.182G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 03:59:59 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)

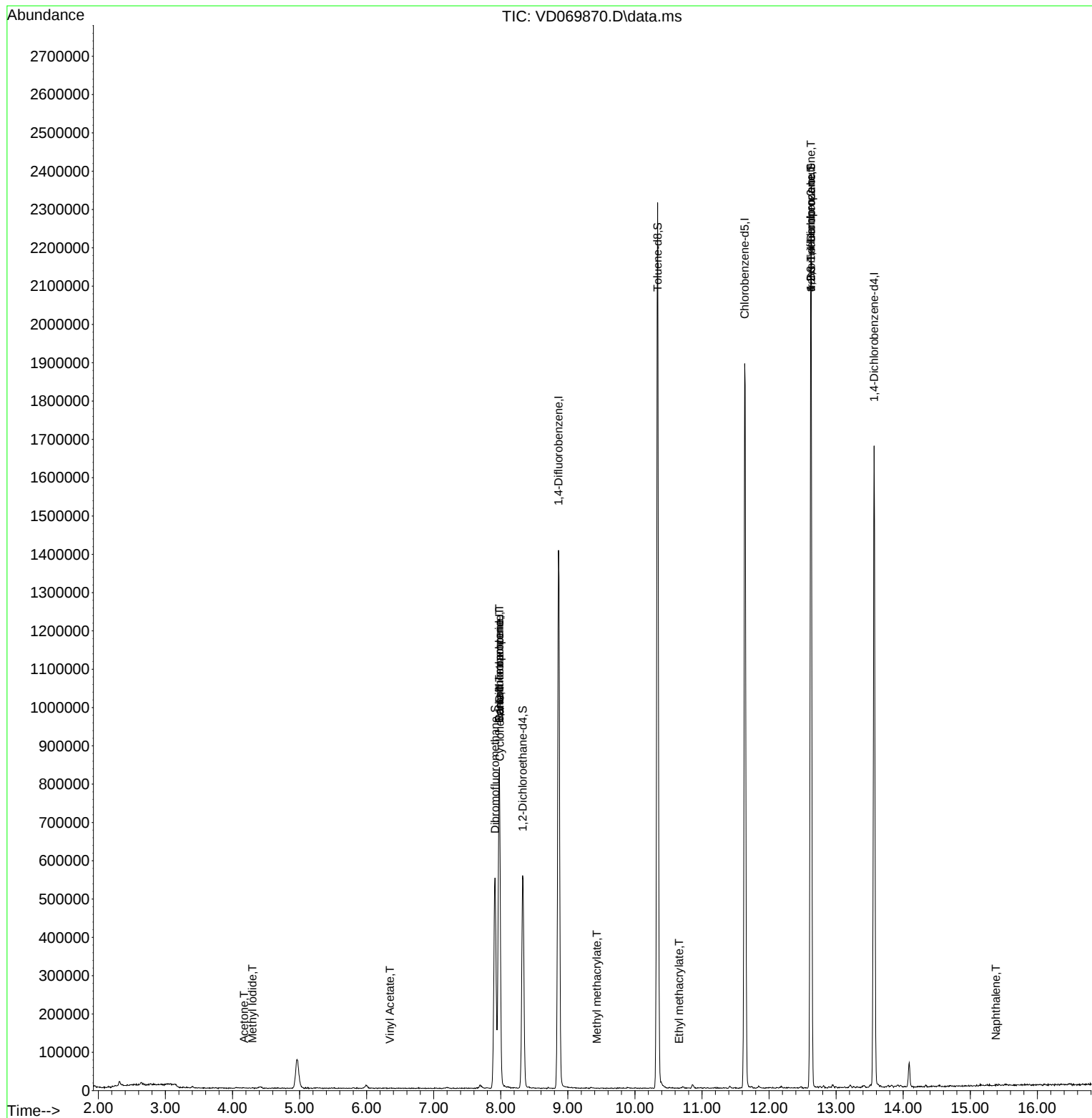
Internal Standards						
1) Pentafluorobenzene	7.979	168	588300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1203394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1107438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	443522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	441112	65.196	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.400%			
35) Dibromofluoromethane	7.914	113	412088	54.321	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.640%			
50) Toluene-d8	10.338	98	1540084	52.649	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.300%			
62) 4-Bromofluorobenzene	12.626	95	500007	51.146	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.300%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	2557	Below Cal	#	76
10) Methyl Iodide	4.297	142	1115	3.604	ug/l #	55
16) Acetone	4.173	43	1838	1.504	ug/l #	73
23) Vinyl Acetate	6.350	43	79	20.355	ug/l #	71
31) Cyclohexane	7.985	56	14387	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	52940	4.077	ug/l #	46
38) Carbon Tetrachloride	7.979	117	63810	5.379	ug/l #	17
48) Methyl methacrylate	9.432	41	126	2.773	ug/l #	30
56) Ethyl methacrylate	10.661	69	106	3.907	ug/l #	67
76) 1,2,3-Trichloropropane	12.626	75	247088	52.412	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	247088	159.005	ug/l #	17
95) Naphthalene	15.384	128	1351	5.082	ug/l #	81

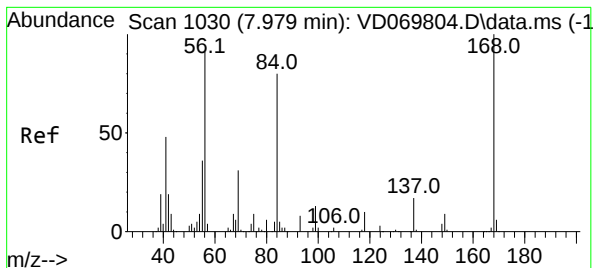
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD069870.D

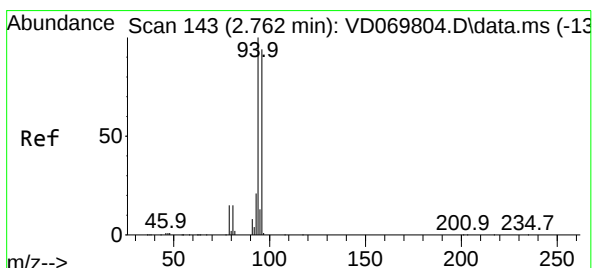
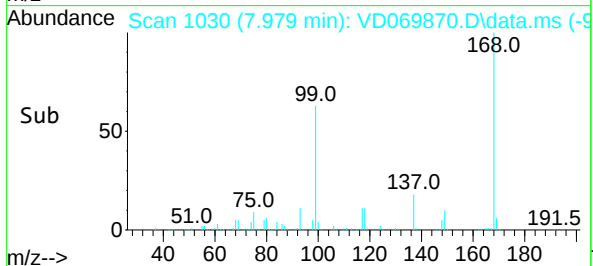
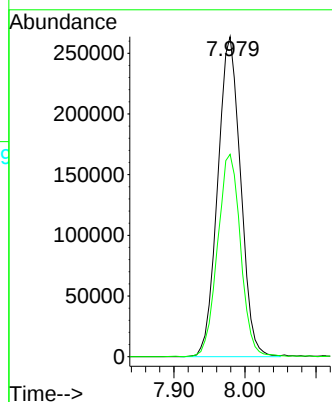
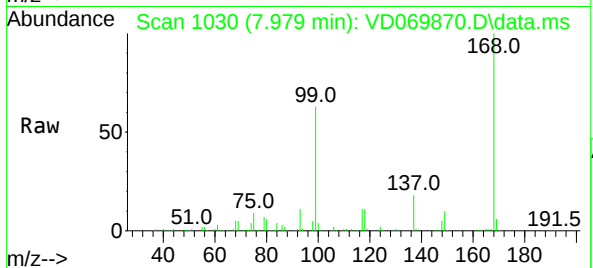
Acq: 27 Jul 2021 16:54

Tgt Ion:168 Resp: 588300

Ion Ratio Lower Upper

168 100

99 63.2 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD069870.D

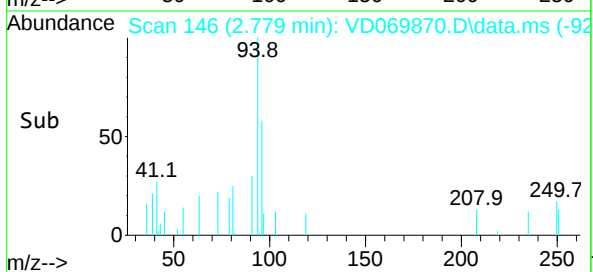
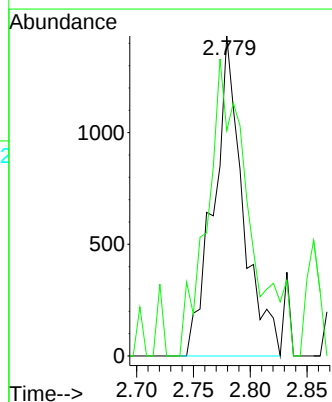
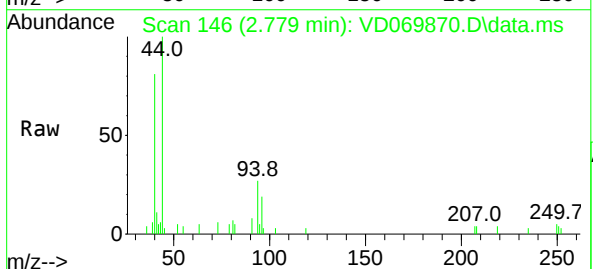
Acq: 27 Jul 2021 16:54

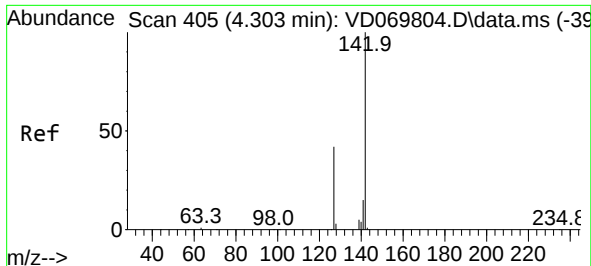
Tgt Ion: 94 Resp: 2557

Ion Ratio Lower Upper

94 100

96 70.4 74.8 112.2#

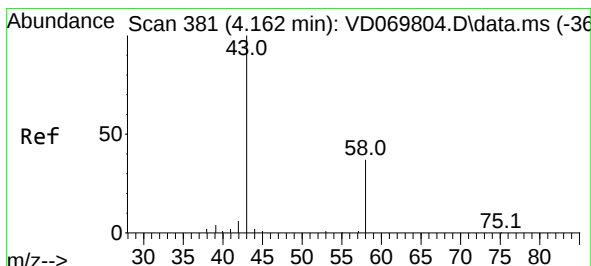
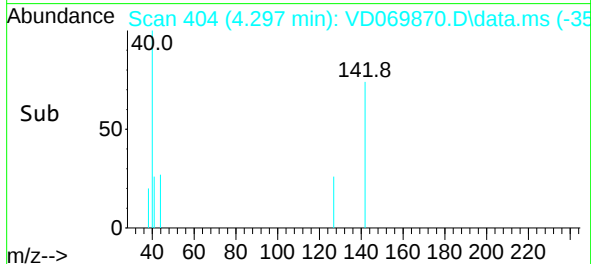
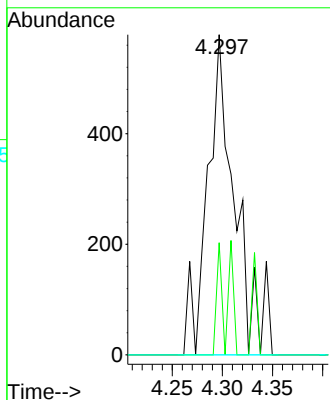
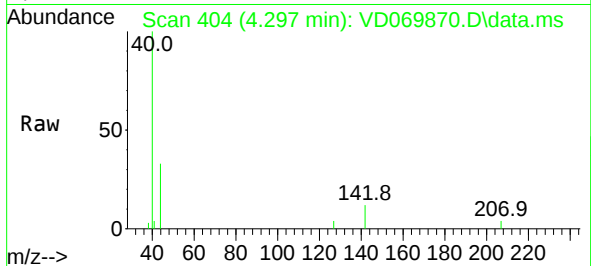




#10
Methyl Iodide
Concen: 3.604 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54

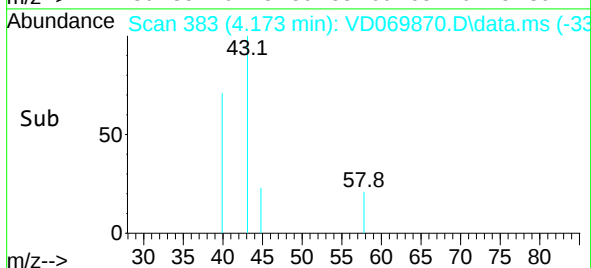
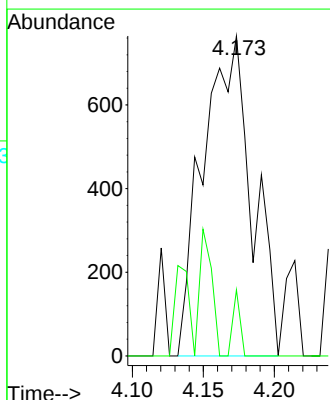
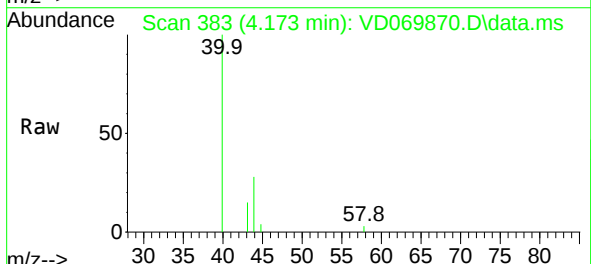
Instrument :
MSVOA_D
ClientSampleId :

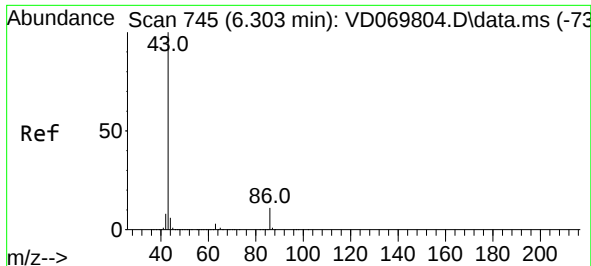
Tgt Ion:142 Resp: 1115
Ion Ratio Lower Upper
142 100
127 13.0 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 1.504 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54

Tgt Ion: 43 Resp: 1838
Ion Ratio Lower Upper
43 100
58 20.7 29.4 44.0#

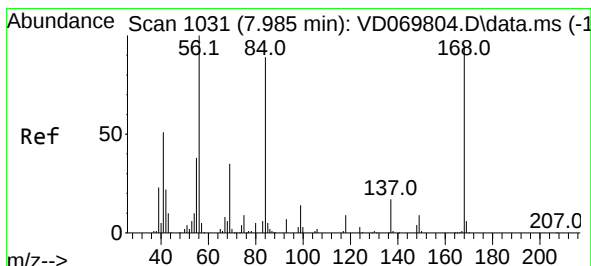
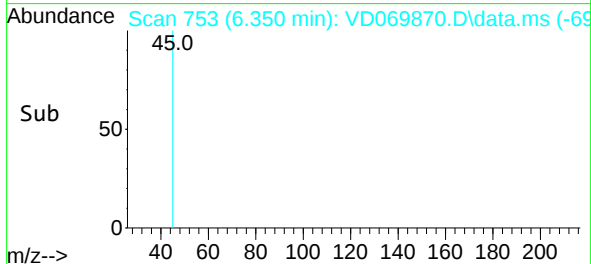
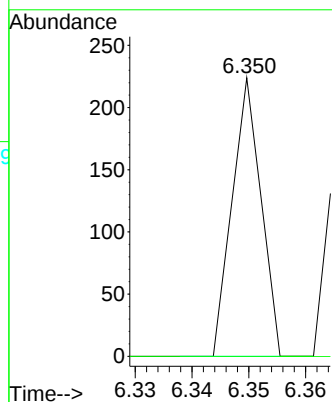
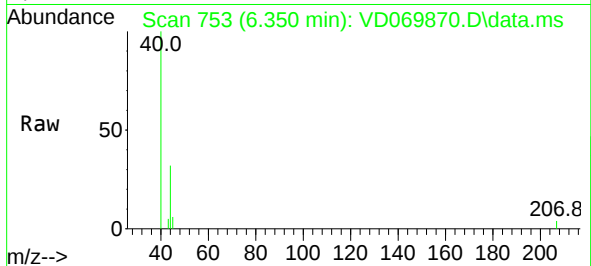




#23
 Vinyl Acetate
 Concen: 20.355 ug/l
 RT: 6.350 min Scan# 753
 Delta R.T. 0.047 min
 Lab File: VD069870.D
 Acq: 27 Jul 2021 16:54

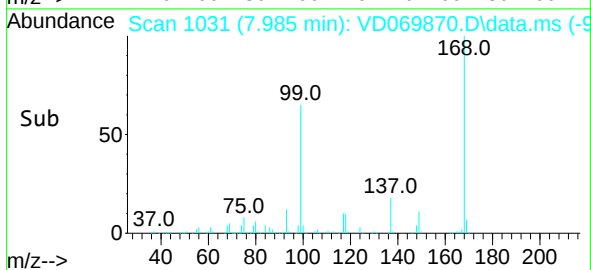
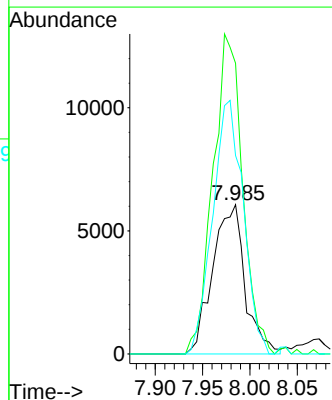
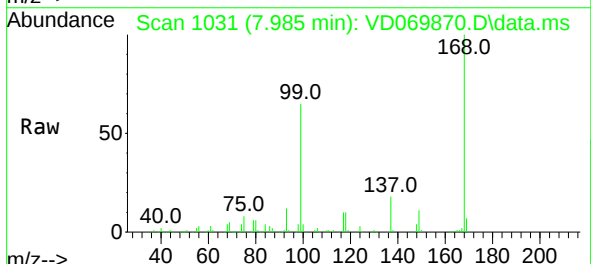
Instrument :
 MSVOA_D
 ClientSampled :

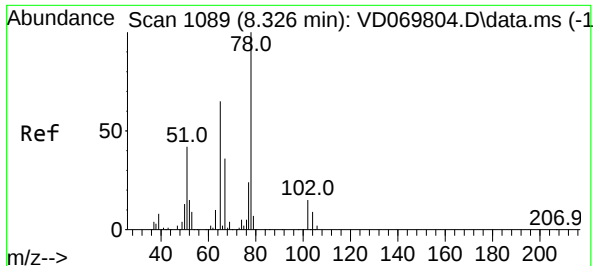
Tgt Ion: 43 Resp: 79
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.088 ug/l
 RT: 7.985 min Scan# 1031
 Delta R.T. -0.000 min
 Lab File: VD069870.D
 Acq: 27 Jul 2021 16:54

Tgt Ion: 56 Resp: 14387
 Ion Ratio Lower Upper
 56 100
 69 194.7 27.9 41.9#
 84 132.9 71.4 107.2#



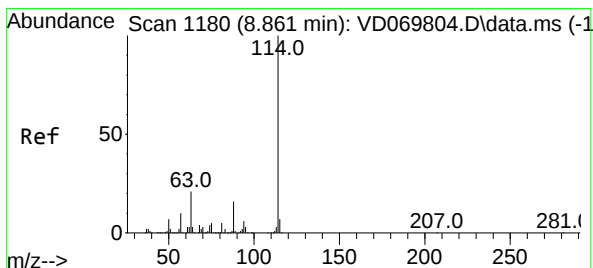
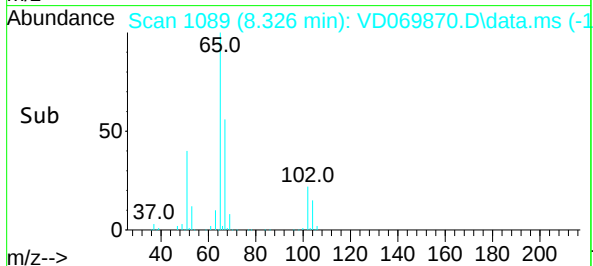
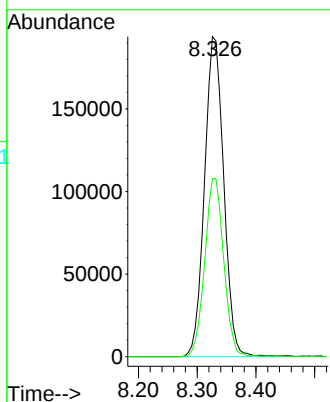
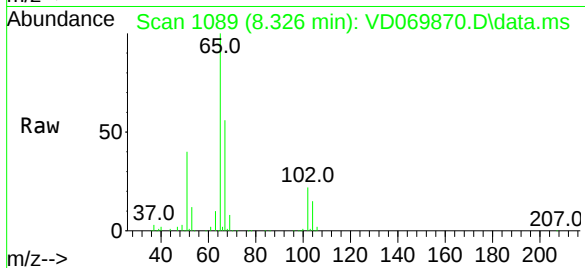


#33

1,2-Dichloroethane-d4
Concen: 65.196 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54

Instrument :
MSVOA_D
ClientSampleId :

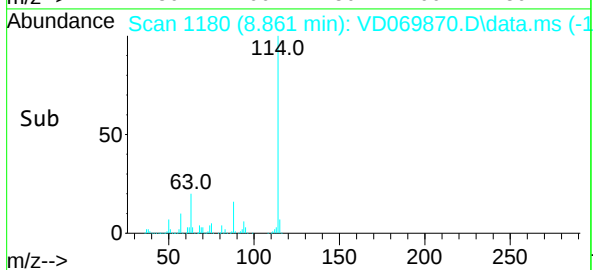
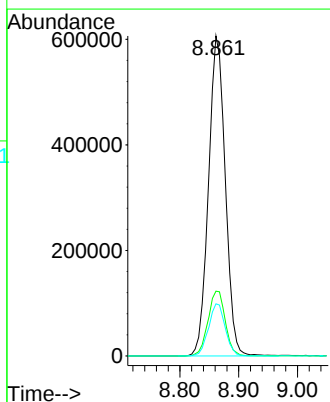
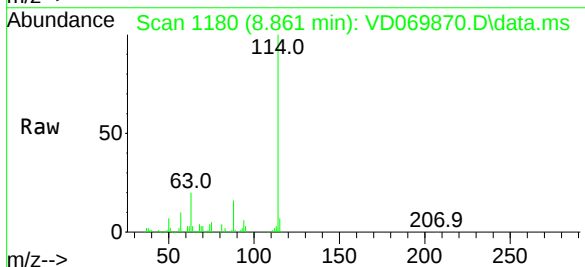
Tgt Ion: 65 Resp: 441112
Ion Ratio Lower Upper
65 100
67 55.0 0.0 111.2

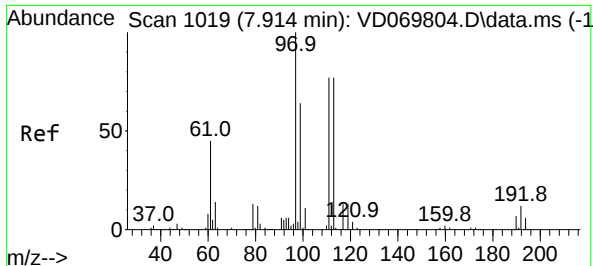


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54

Tgt Ion:114 Resp: 1203394
Ion Ratio Lower Upper
114 100
63 20.3 0.0 41.6
88 16.3 0.0 31.4



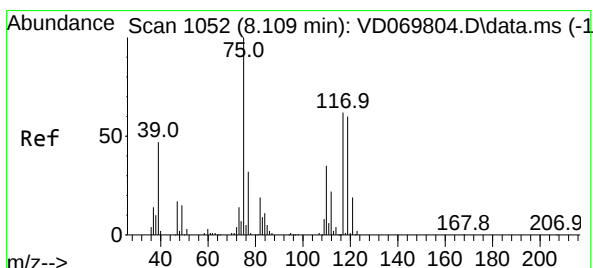
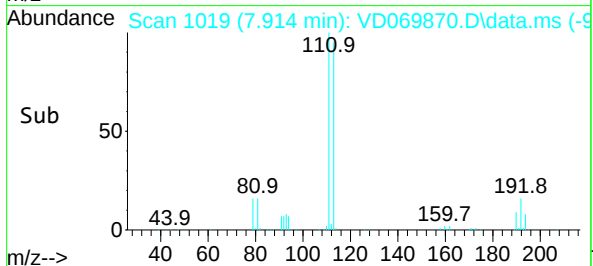
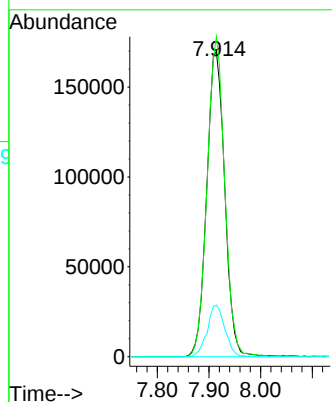
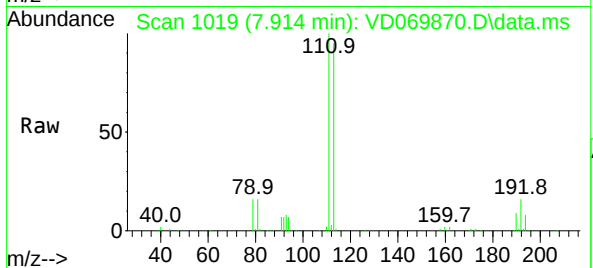


#35

Dibromofluoromethane
Concen: 54.321 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54

Instrument :
MSVOA_D
ClientSampleId :

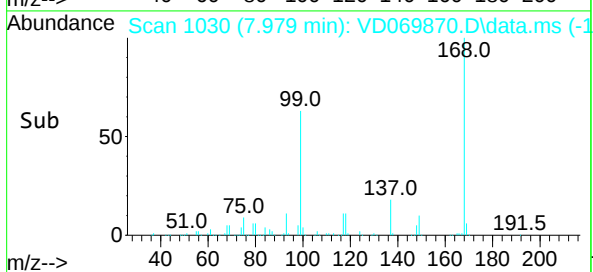
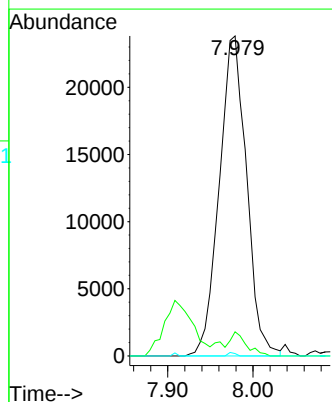
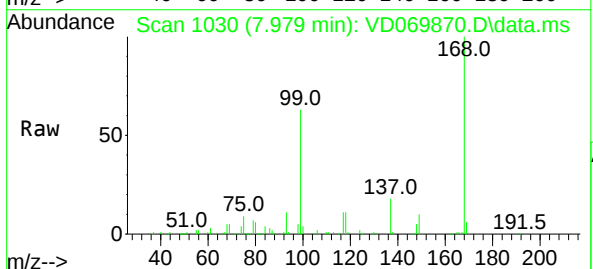
Tgt Ion:113 Resp: 412088
Ion Ratio Lower Upper
113 100
111 101.9 80.5 120.7
192 16.5 12.6 19.0

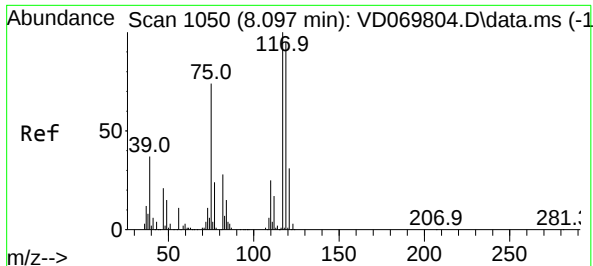


#36

1,1-Dichloropropene
Concen: 4.077 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54

Tgt Ion: 75 Resp: 52940
Ion Ratio Lower Upper
75 100
110 4.5 16.9 50.7#
77 0.3 24.9 37.3#

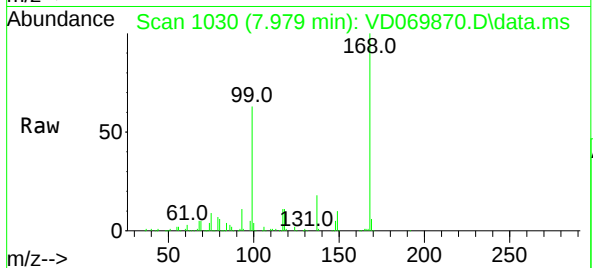




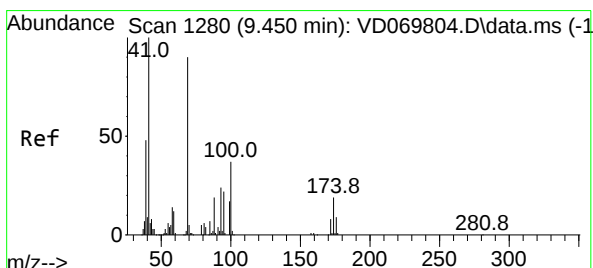
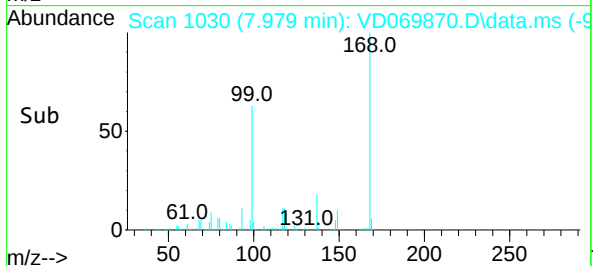
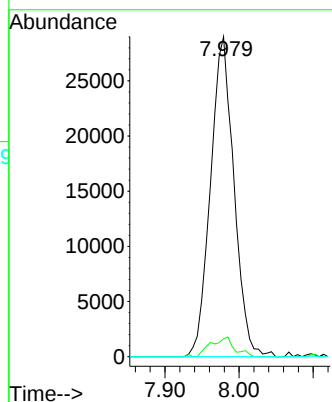
#38

Carbon Tetrachloride
Concen: 5.379 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54

Instrument :
MSVOA_D
ClientSampled :



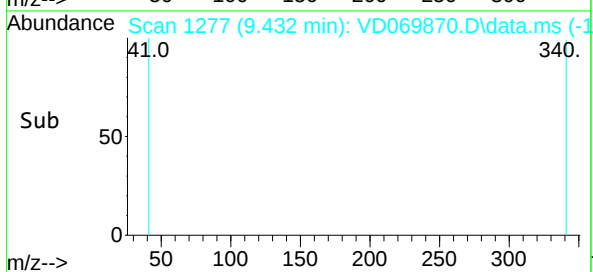
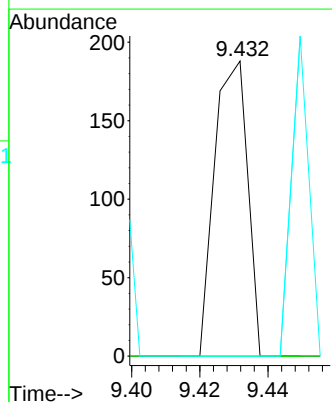
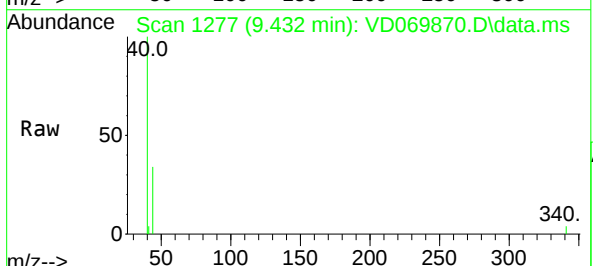
Tgt Ion:117 Resp: 63810
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.5 36.7#

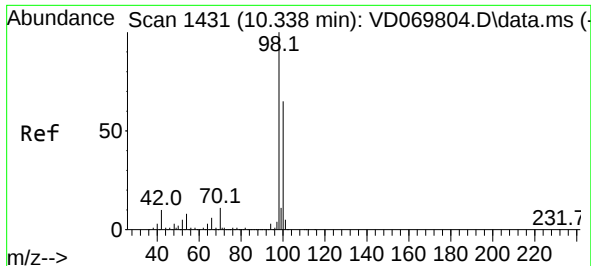


#48

Methyl methacrylate
Concen: 2.773 ug/l
RT: 9.432 min Scan# 1277
Delta R.T. -0.018 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54

Tgt Ion: 41 Resp: 126
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 57.1 36.6 55.0#

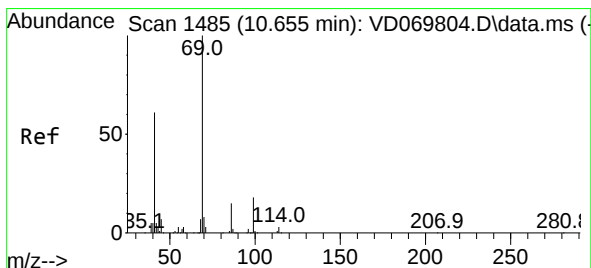
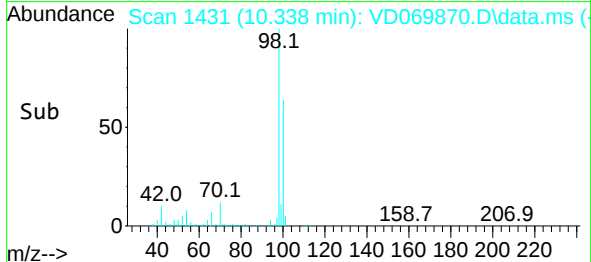
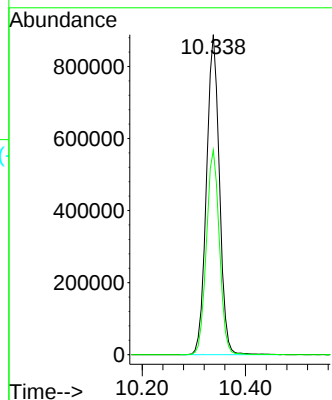
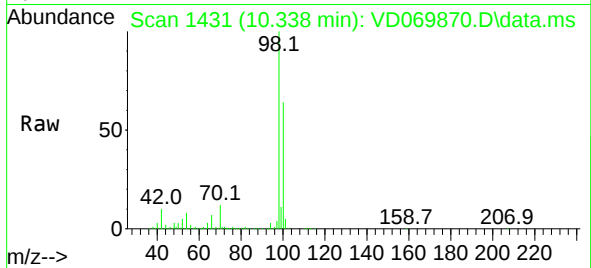




#50
Toluene-d8
Concen: 52.649 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54

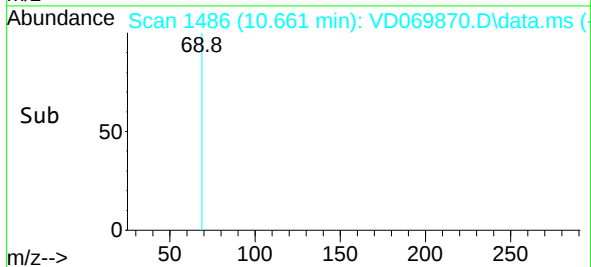
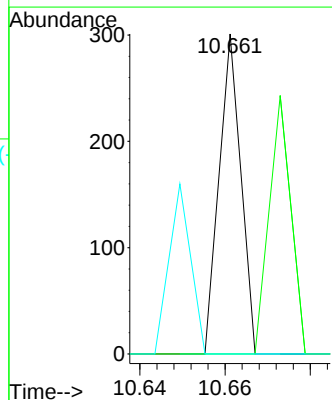
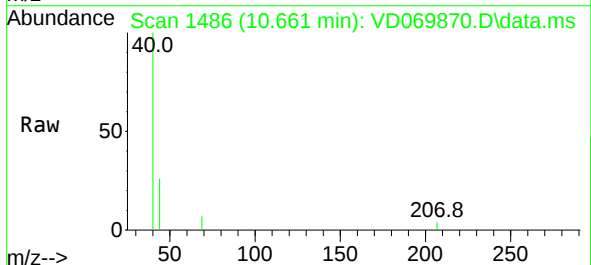
Instrument :
MSVOA_D
ClientSampleId :

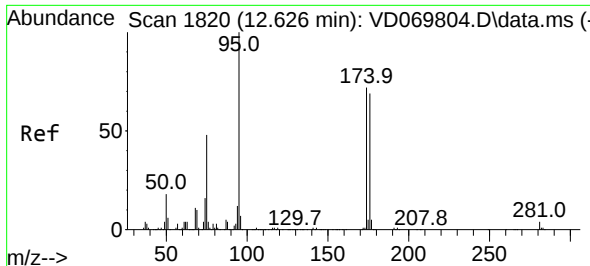
Tgt Ion: 98 Resp: 1540084
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.907 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54

Tgt Ion: 69 Resp: 106
Ion Ratio Lower Upper
69 100
41 81.1 50.2 75.2#
39 0.0 22.0 33.0#

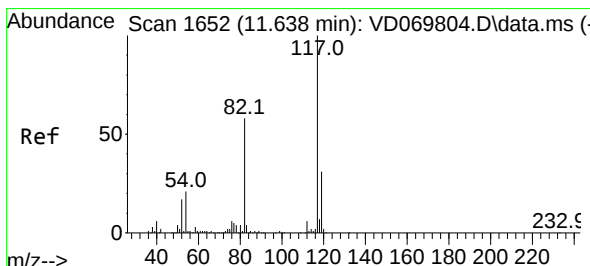
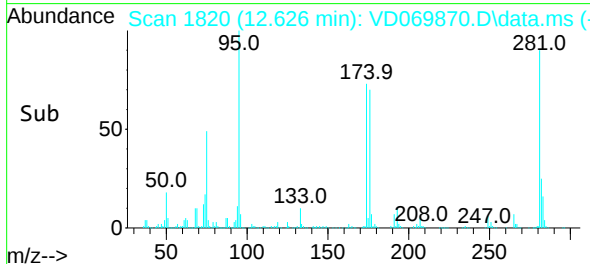
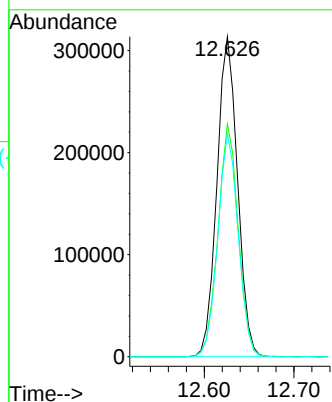
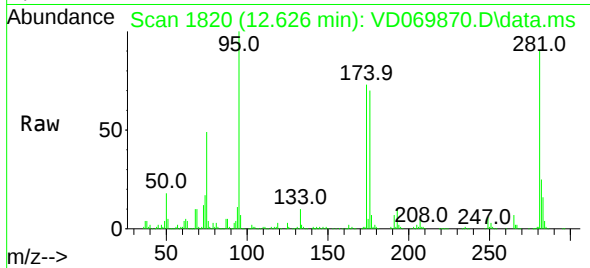




#62
4-Bromofluorobenzene
Concen: 51.146 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54

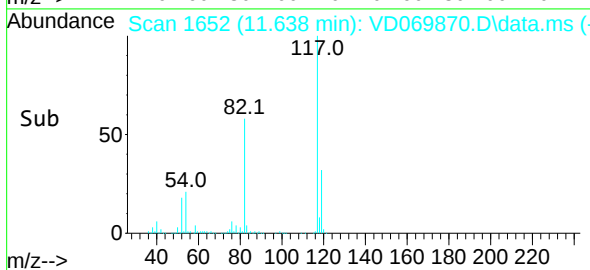
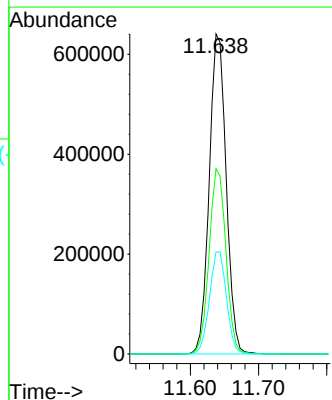
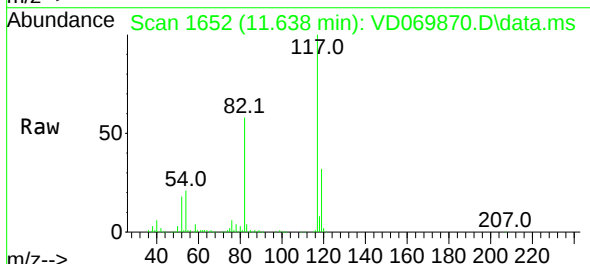
Instrument :
MSVOA_D
ClientSampleId :

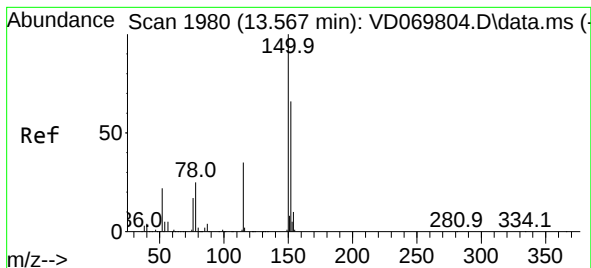
Tgt Ion: 95 Resp: 500007
Ion Ratio Lower Upper
95 100
174 71.7 0.0 142.6
176 68.9 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54

Tgt Ion: 117 Resp: 1107438
Ion Ratio Lower Upper
117 100
82 57.9 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: VD069870.D

Acq: 27 Jul 2021 16:54

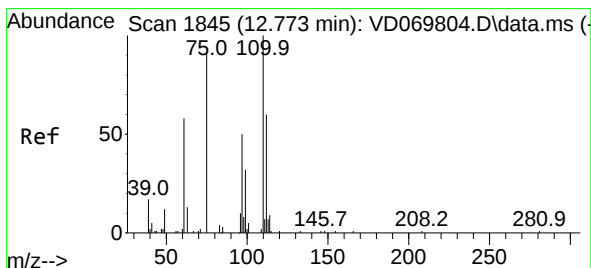
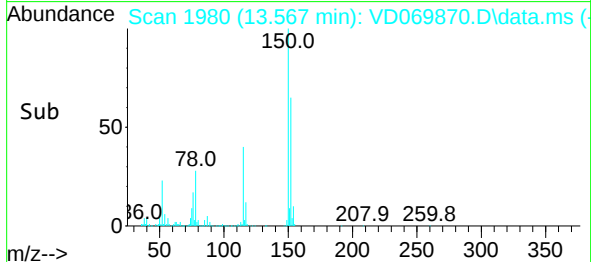
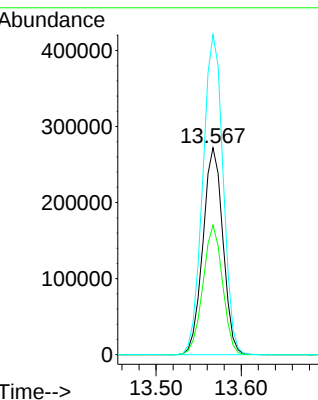
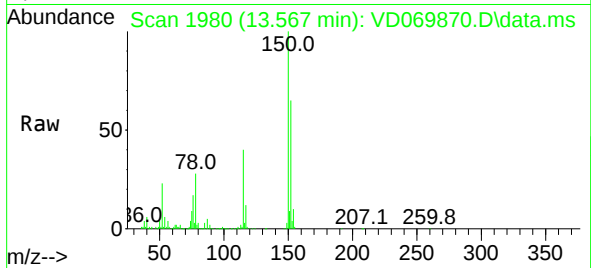
Tgt Ion:152 Resp: 443522

Ion Ratio Lower Upper

152 100

115 61.3 31.1 93.3

150 157.1 0.0 343.0



#76

1,2,3-Trichloropropane

Concen: 52.412 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.147 min

Lab File: VD069870.D

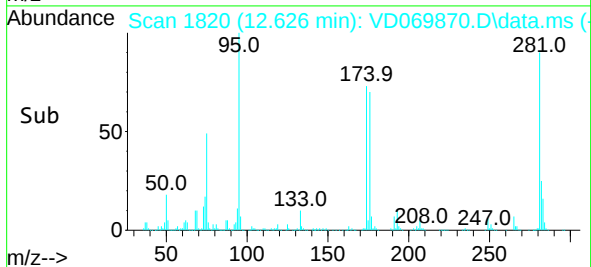
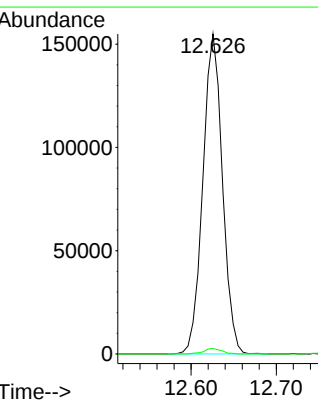
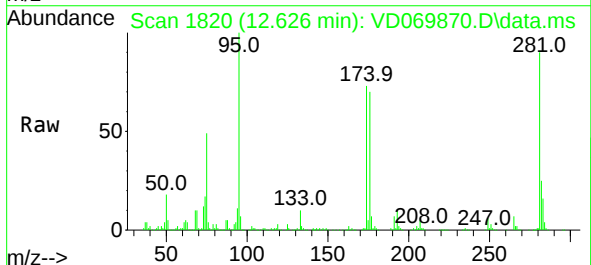
Acq: 27 Jul 2021 16:54

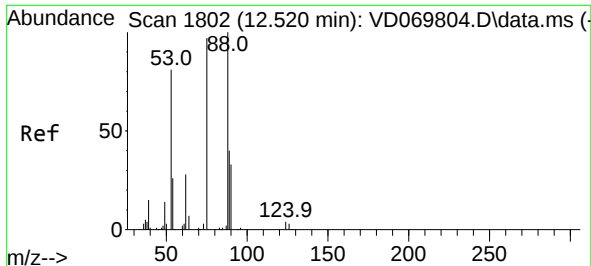
Tgt Ion: 75 Resp: 247088

Ion Ratio Lower Upper

75 100

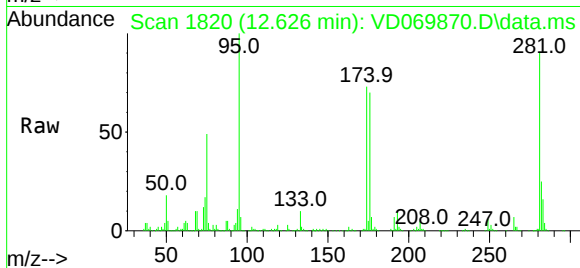
77 1.6 181.5 544.5#



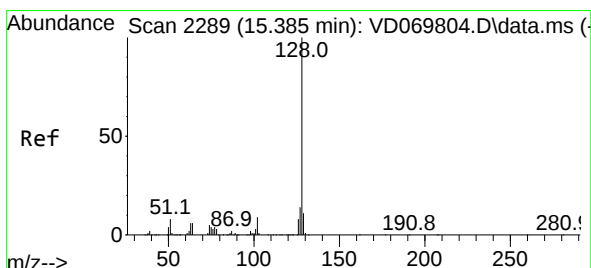
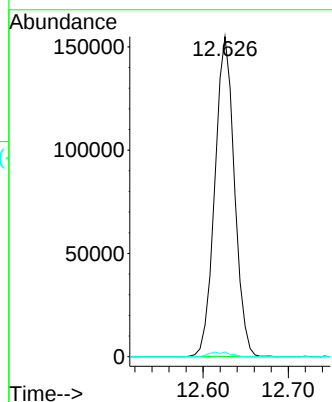
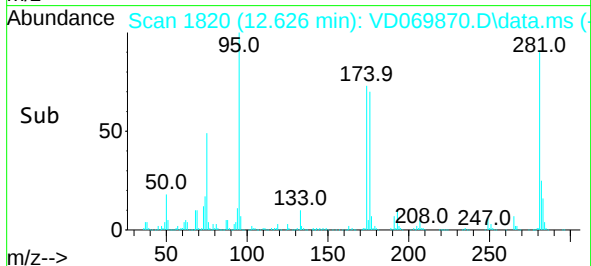


#81
trans-1,4-Dichloro-2-butene
Concen: 159.005 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54

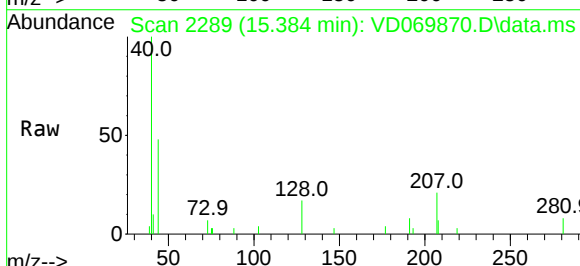
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 247088
Ion Ratio Lower Upper
75 100
53 0.1 67.2 100.8#
89 1.6 35.8 53.6#



#95
Naphthalene
Concen: 5.082 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD069870.D
Acq: 27 Jul 2021 16:54



Tgt Ion: 128 Resp: 1351
Ion Ratio Lower Upper
128 100
127 8.4 10.6 16.0#
129 0.0 8.6 12.8#

