

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
 Data File : VD069920.D
 Acq On : 29 Jul 2021 19:21
 Operator : VA/SY
 Sample : M3230-02
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 00:58:27 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)

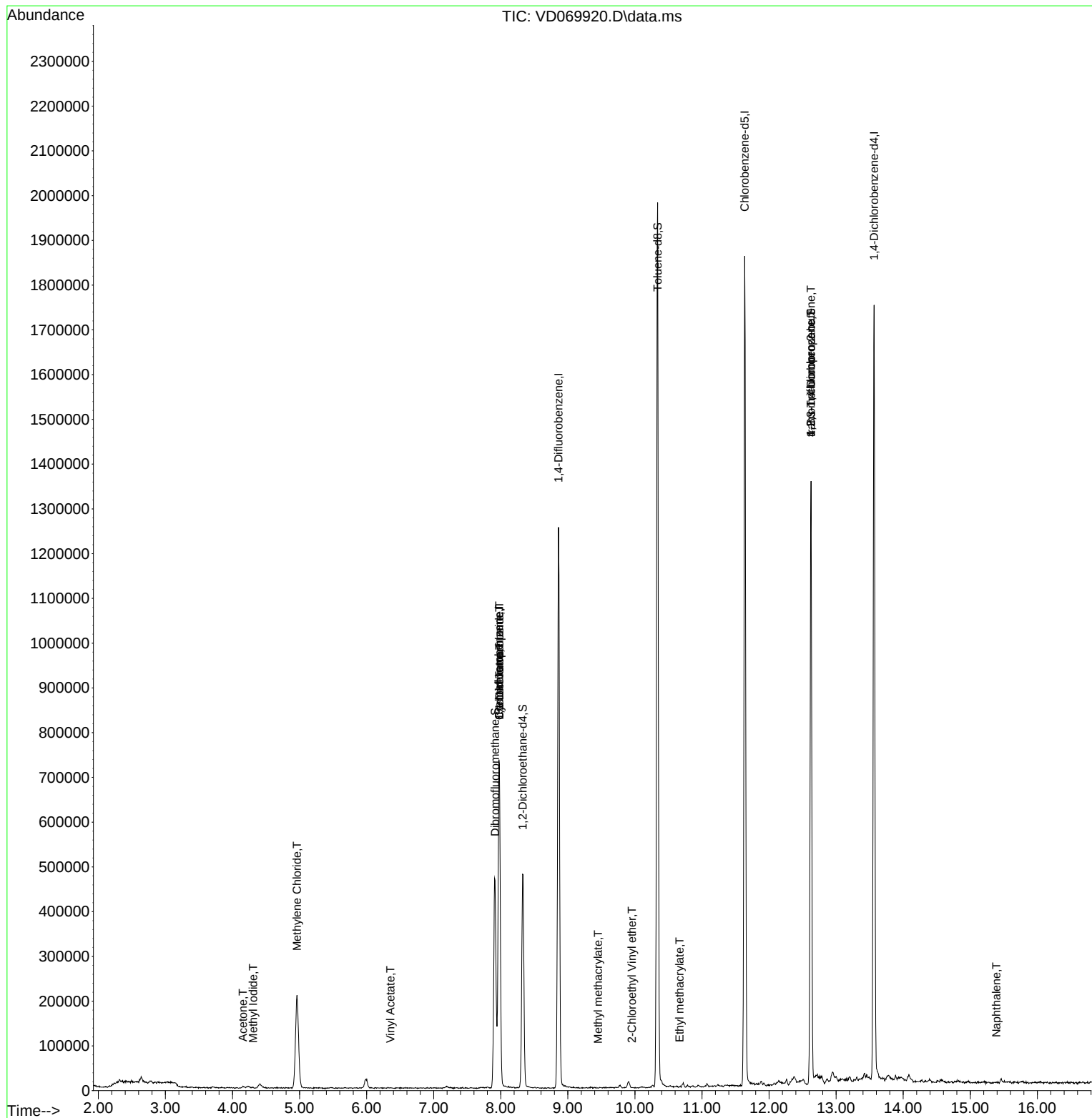
Internal Standards						
1) Pentafluorobenzene	7.973	168	533690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1041700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1079771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	455010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	376885	61.403	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.800%			
35) Dibromofluoromethane	7.914	113	355319	54.108	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.220%			
50) Toluene-d8	10.338	98	1357342	53.604	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.200%			
62) 4-Bromofluorobenzene	12.626	95	476459	56.302	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.600%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	2541	Below Cal	#	59
10) Methyl Iodide	4.309	142	328	3.509	ug/l #	85
16) Acetone	4.156	43	5887	5.309	ug/l	90
20) Methylene Chloride	4.962	84	169914	16.986	ug/l	95
23) Vinyl Acetate	6.356	43	128	20.360	ug/l #	71
31) Cyclohexane	7.979	56	12690	1.058	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	49073	4.365	ug/l #	50
38) Carbon Tetrachloride	7.979	117	57619	5.611	ug/l #	16
48) Methyl methacrylate	9.450	41	247	2.807	ug/l #	29
56) Ethyl methacrylate	10.667	69	277	3.931	ug/l #	57
58) 2-Chloroethyl Vinyl ether	9.955	63	60	20.887	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	231028	47.768	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	231028	144.917	ug/l #	16
95) Naphthalene	15.390	128	841	5.049	ug/l #	69

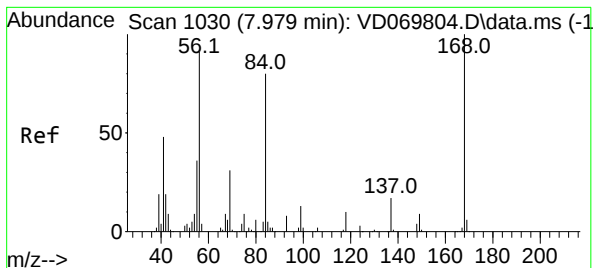
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 30 00:58:27 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: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD069920.D

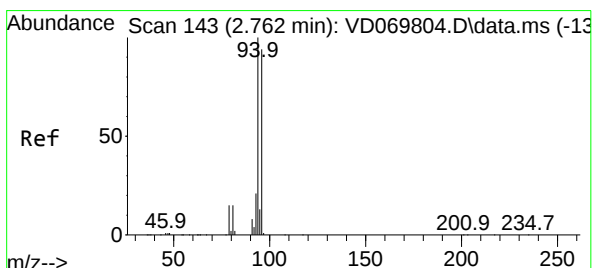
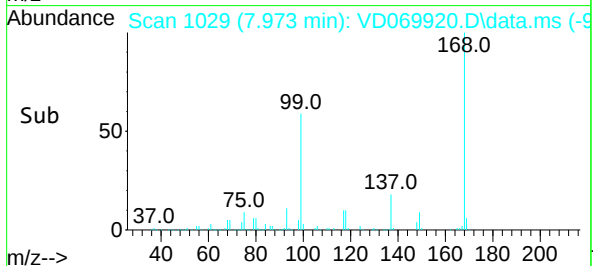
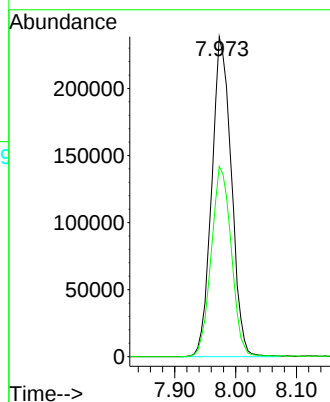
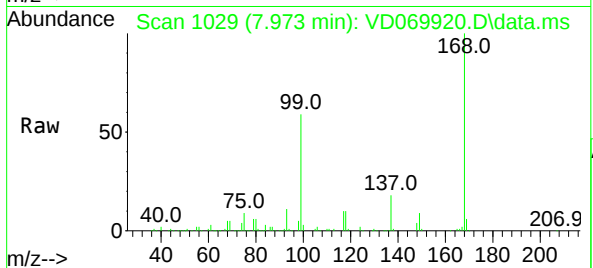
Acq: 29 Jul 2021 19:21

Tgt Ion:168 Resp: 533690

Ion Ratio Lower Upper

168 100

99 59.5 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.785 min Scan# 147

Delta R.T. 0.023 min

Lab File: VD069920.D

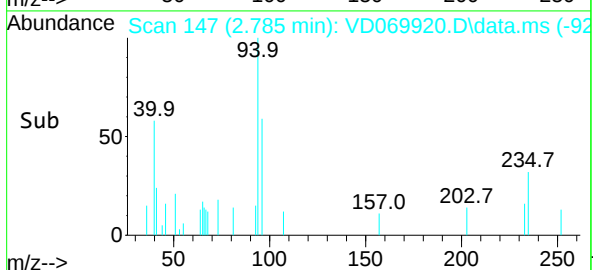
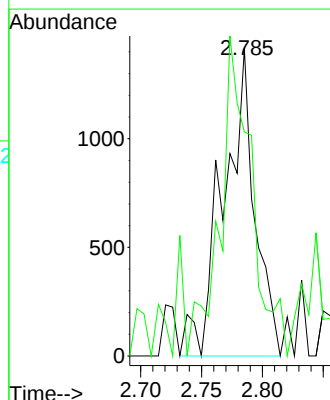
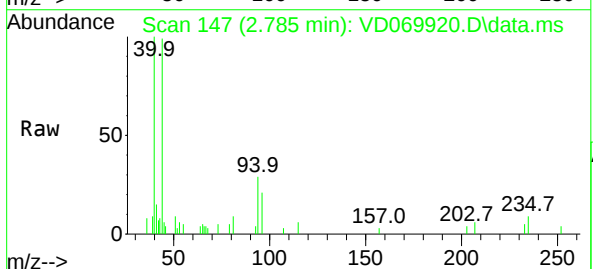
Acq: 29 Jul 2021 19:21

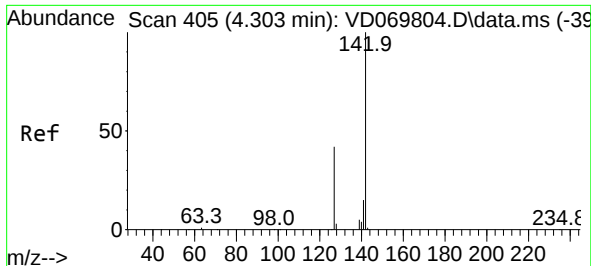
Tgt Ion: 94 Resp: 2541

Ion Ratio Lower Upper

94 100

96 54.2 74.8 112.2#

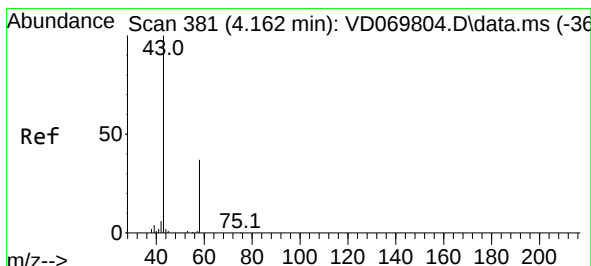
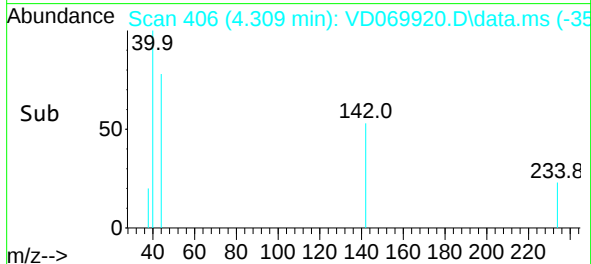
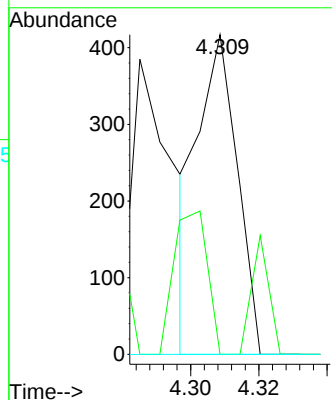
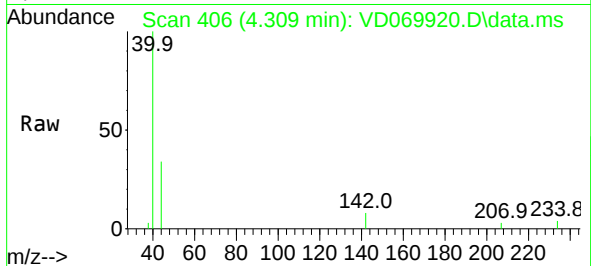




#10
Methyl Iodide
Concen: 3.509 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

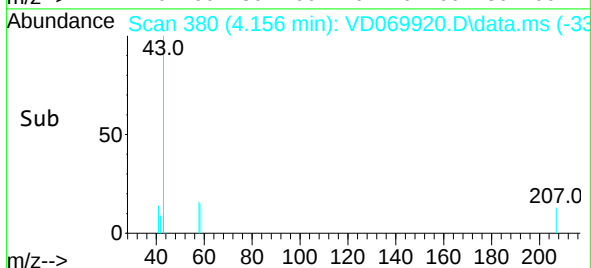
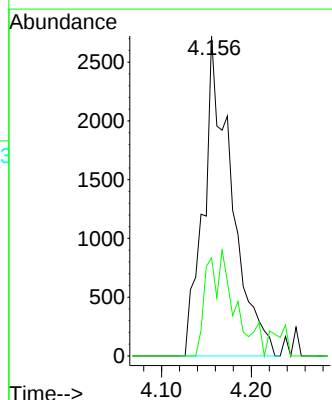
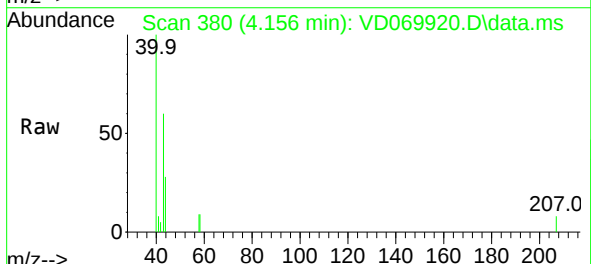
Instrument :
MSVOA_D
ClientSampleId :

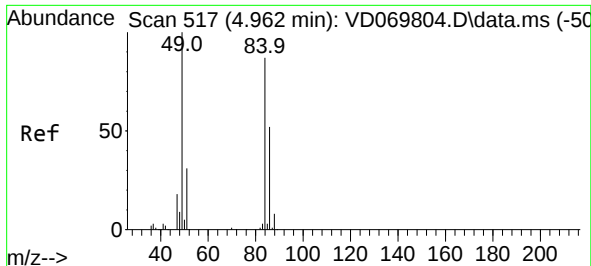
Tgt Ion:142 Resp: 328
Ion Ratio Lower Upper
142 100
127 39.0 35.7 53.5
141 0.0 12.0 18.0#



#16
Acetone
Concen: 5.309 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

Tgt Ion: 43 Resp: 5887
Ion Ratio Lower Upper
43 100
58 30.7 29.4 44.0





#20

Methylene Chloride

Concen: 16.986 ug/l

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD069920.D

Acq: 29 Jul 2021 19:21

Tgt Ion: 84 Resp: 169914

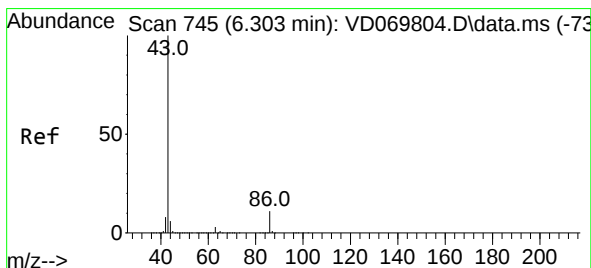
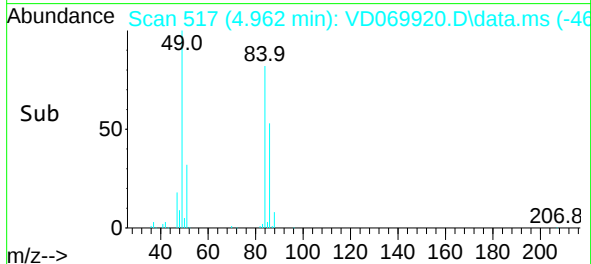
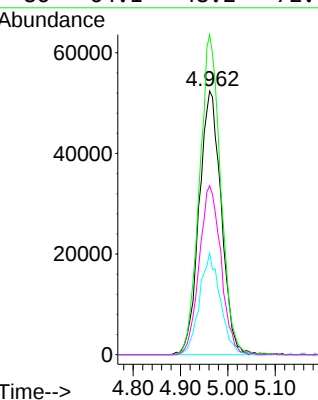
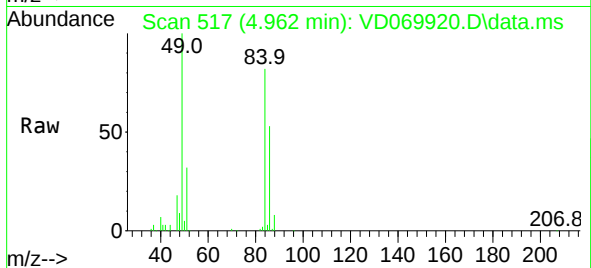
Ion Ratio Lower Upper

84 100

49 121.4 92.4 138.6

51 38.6 28.5 42.7

86 64.1 48.2 72.4



#23

Vinyl Acetate

Concen: 20.360 ug/l

RT: 6.356 min Scan# 754

Delta R.T. 0.053 min

Lab File: VD069920.D

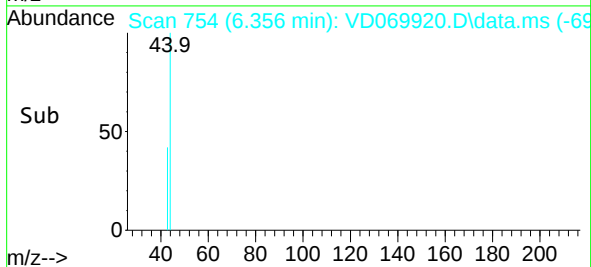
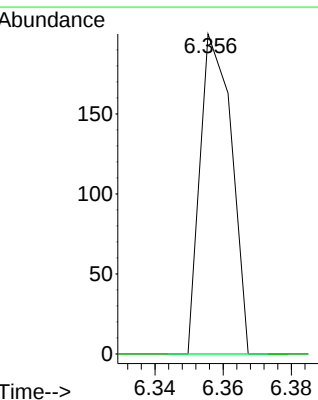
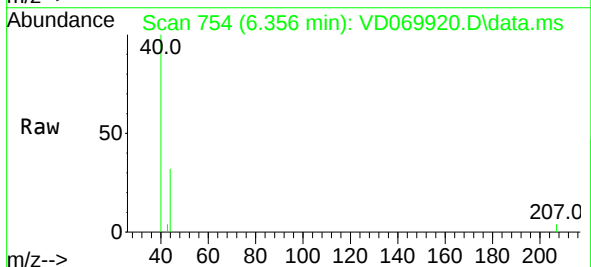
Acq: 29 Jul 2021 19:21

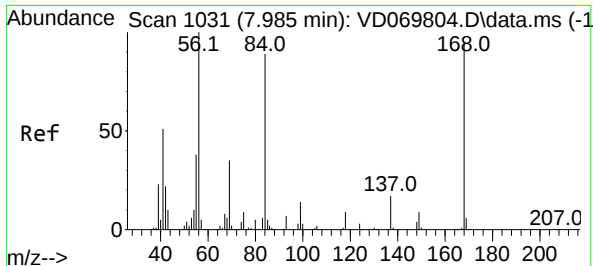
Tgt Ion: 43 Resp: 128

Ion Ratio Lower Upper

43 100

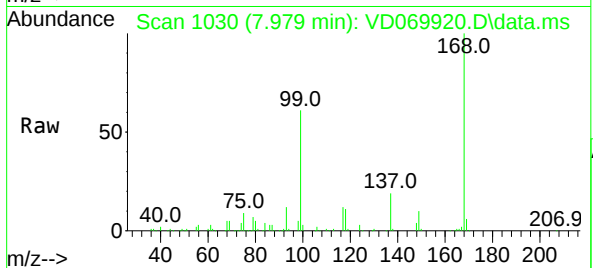
86 0.0 8.6 13.0#



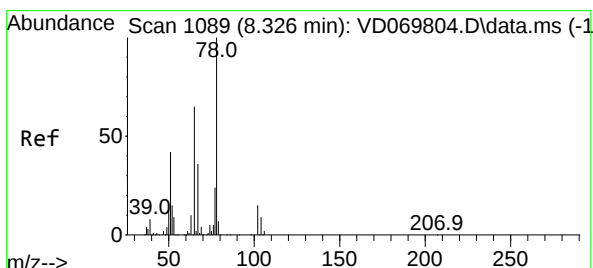
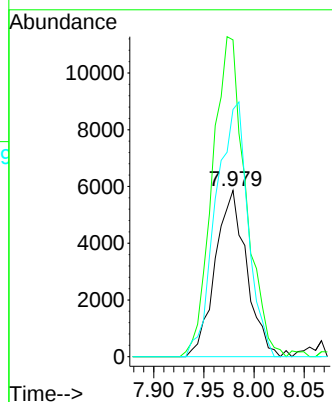
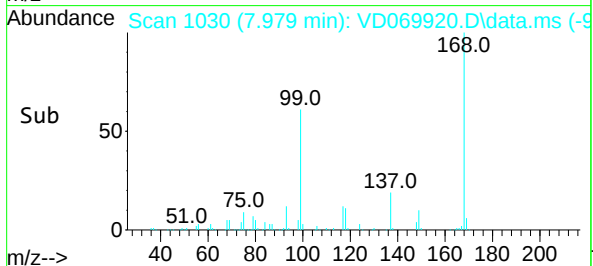


#31
Cyclohexane
Concen: 1.058 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

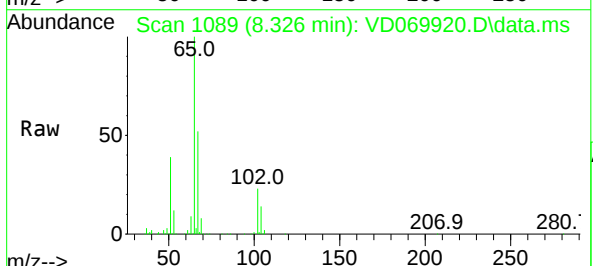
Instrument :
MSVOA_D
ClientSampleId :



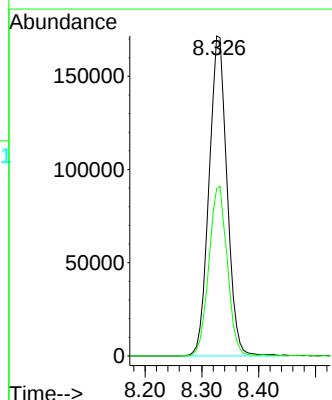
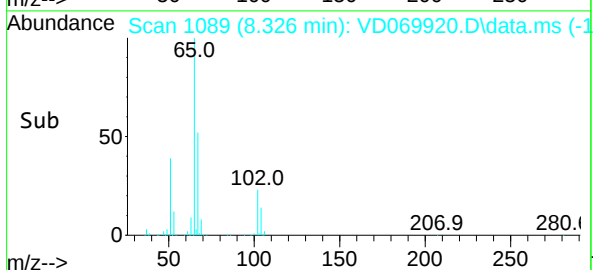
Tgt Ion: 56 Resp: 12690
Ion Ratio Lower Upper
56 100
69 190.6 27.9 41.9#
84 148.7 71.4 107.2#

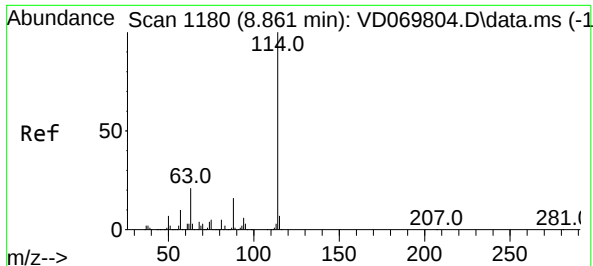


#33
1,2-Dichloroethane-d4
Concen: 61.403 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21



Tgt Ion: 65 Resp: 376885
Ion Ratio Lower Upper
65 100
67 53.9 0.0 111.2

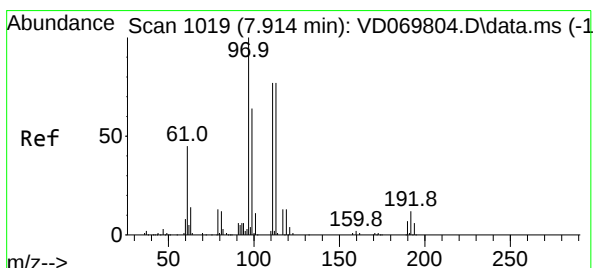
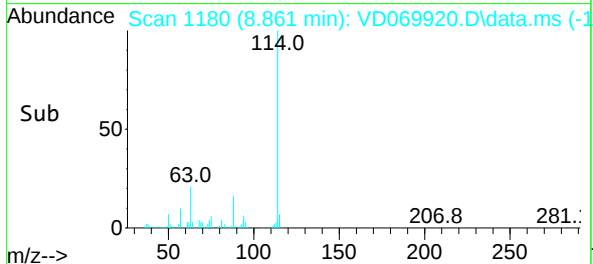
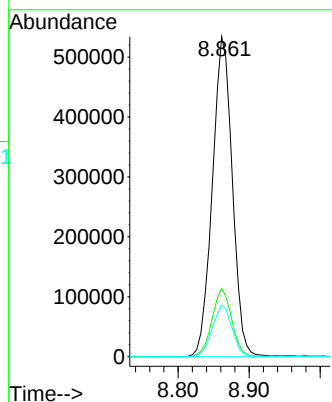
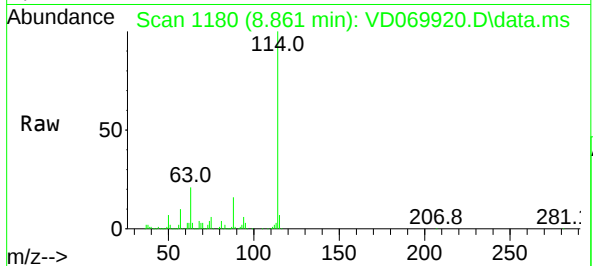




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

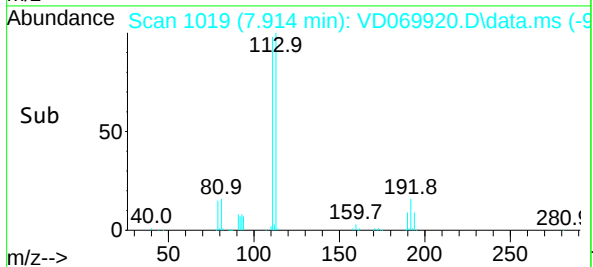
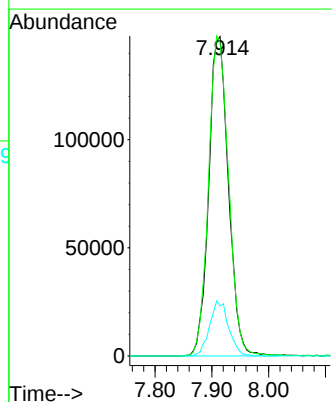
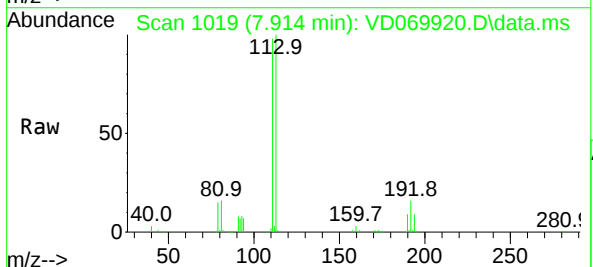
Instrument :
MSVOA_D
ClientSampleId :

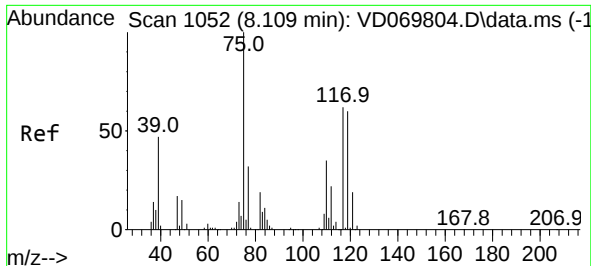
Tgt Ion:114 Resp: 1041700
Ion Ratio Lower Upper
114 100
63 21.4 0.0 41.6
88 16.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 54.108 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

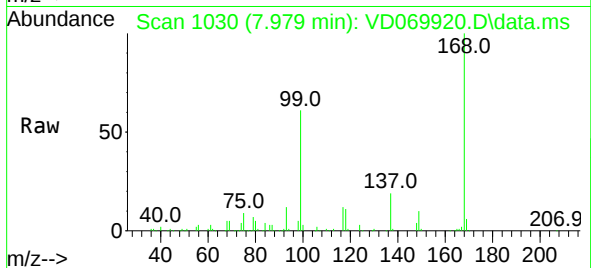
Tgt Ion:113 Resp: 355319
Ion Ratio Lower Upper
113 100
111 102.2 80.5 120.7
192 16.6 12.6 19.0



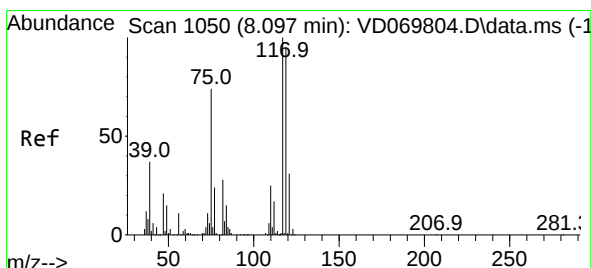
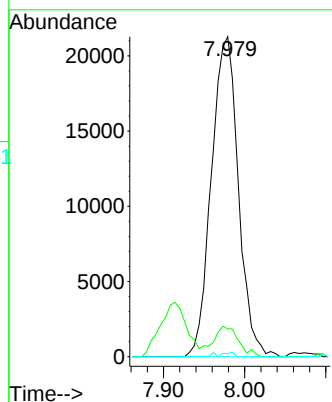
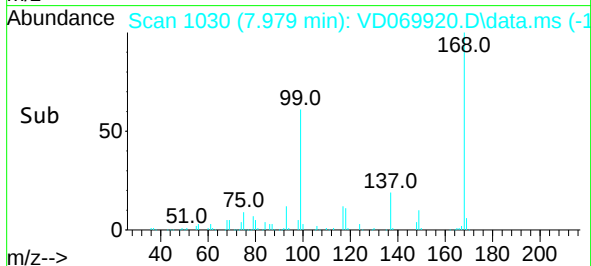


#36
1,1-Dichloropropene
Concen: 4.365 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

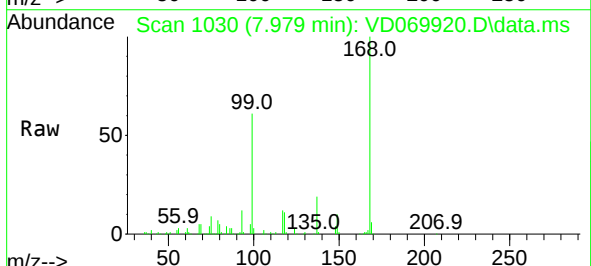
Instrument :
MSVOA_D
ClientSampleId :



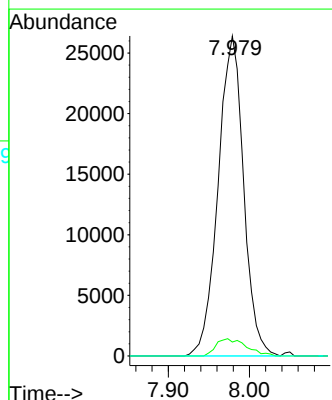
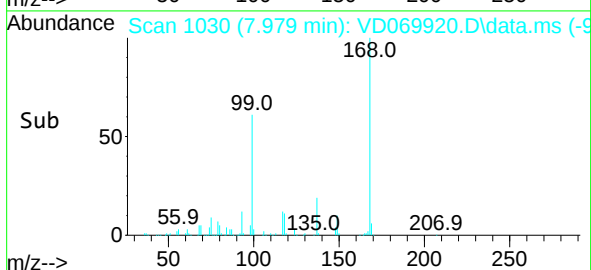
Tgt Ion: 75 Resp: 49073
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.7#
77 0.5 24.9 37.3#

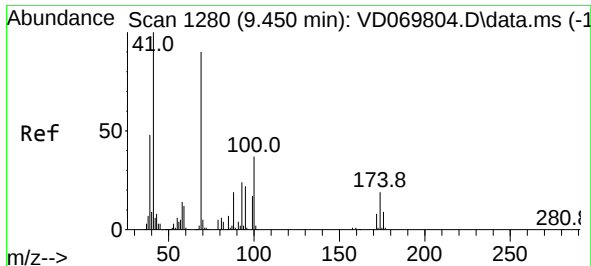


#38
Carbon Tetrachloride
Concen: 5.611 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21



Tgt Ion: 117 Resp: 57619
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.5 36.7#

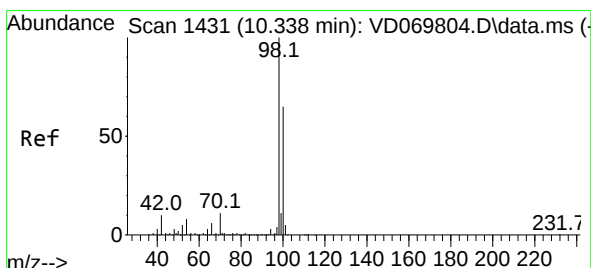
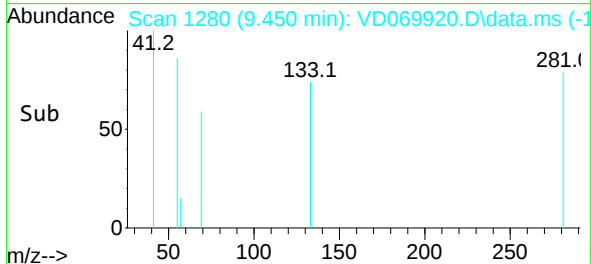
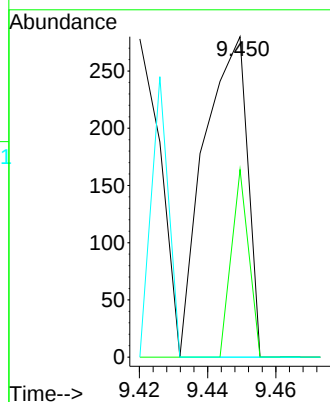
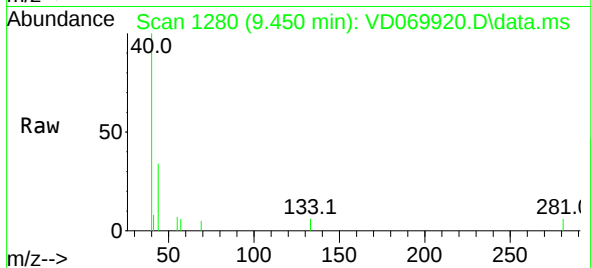




#48
Methyl methacrylate
Concen: 2.807 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

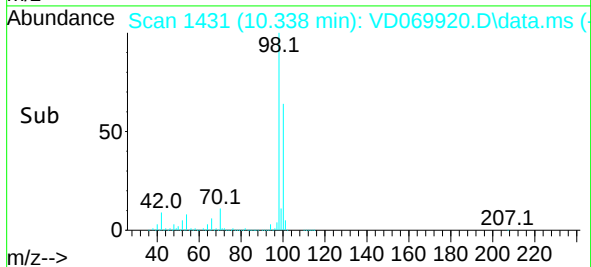
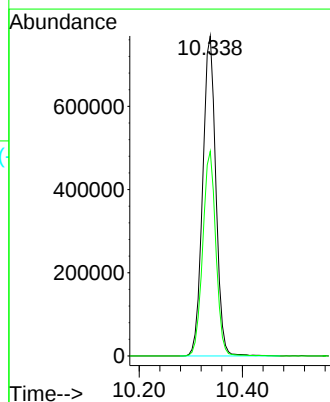
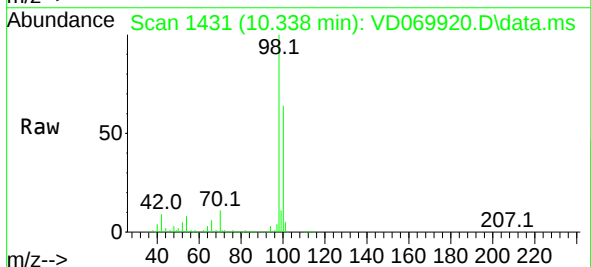
Instrument :
MSVOA_D
ClientSampled :

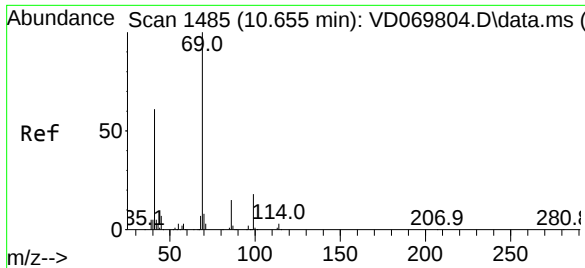
Tgt Ion: 41 Resp: 247
Ion Ratio Lower Upper
41 100
69 23.5 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 53.604 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

Tgt Ion: 98 Resp: 1357342
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

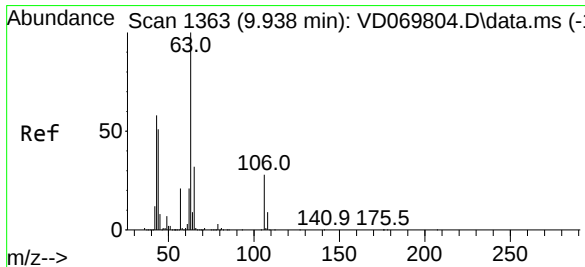
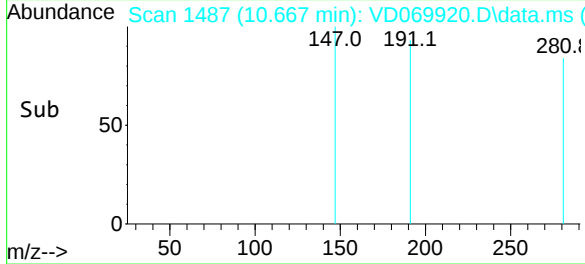
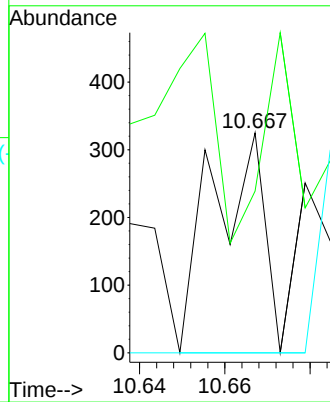
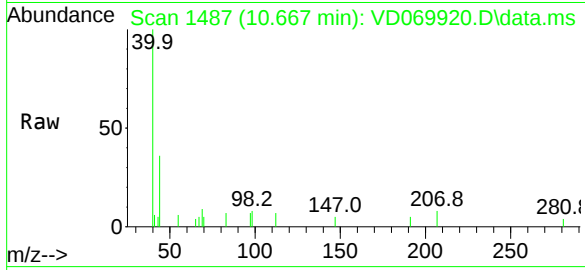




#56
Ethyl methacrylate
Concen: 3.931 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

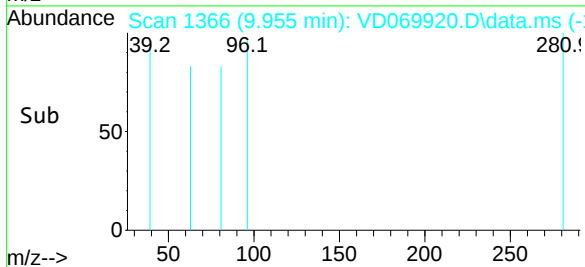
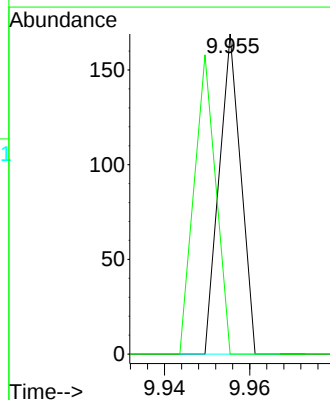
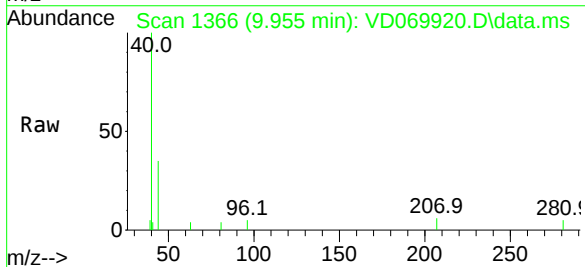
Instrument :
MSVOA_D
ClientSampleId :

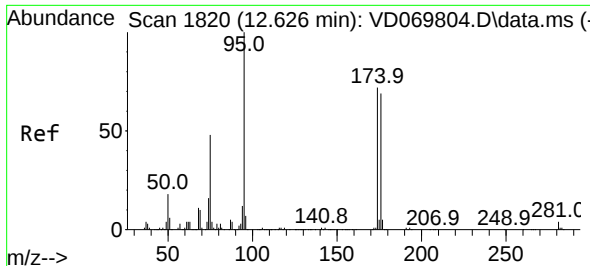
Tgt Ion: 69 Resp: 277
Ion Ratio Lower Upper
69 100
41 32.5 50.2 75.2#
39 0.0 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.887 ug/l
RT: 9.955 min Scan# 1366
Delta R.T. 0.017 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 93.3 21.8 32.6#

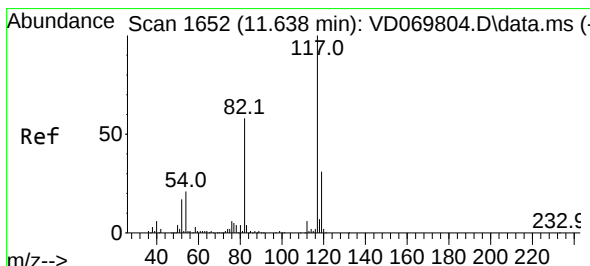
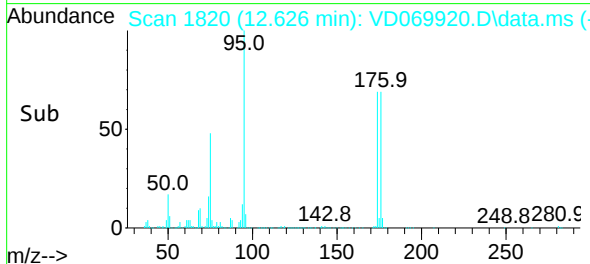
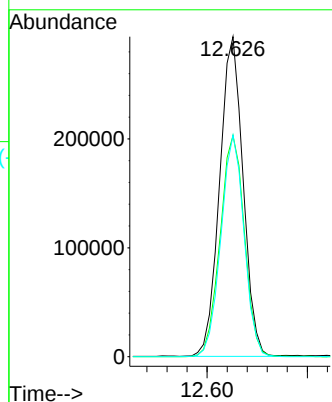
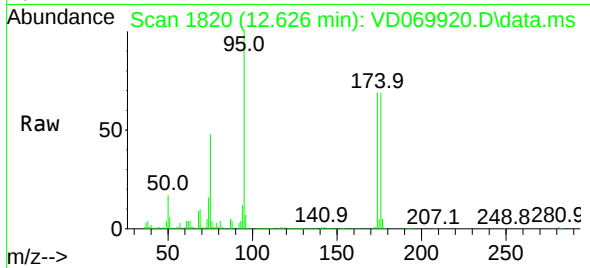




#62
4-Bromofluorobenzene
Concen: 56.302 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

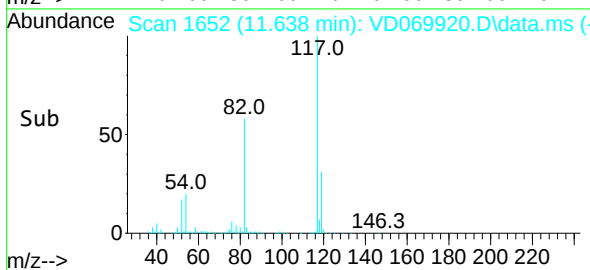
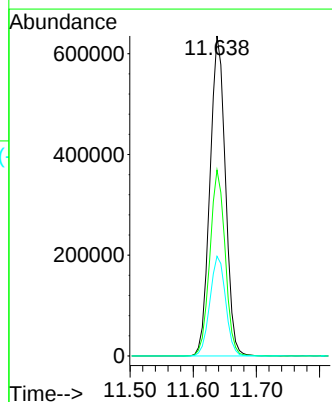
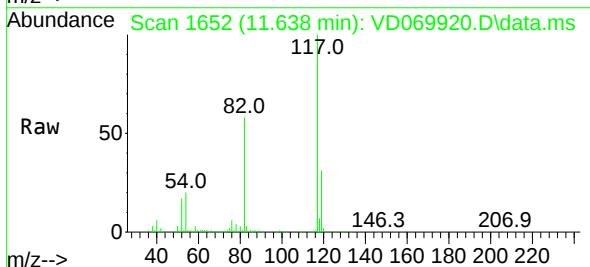
Instrument :
MSVOA_D
ClientSampleId :

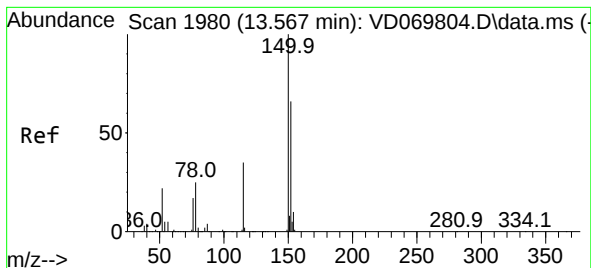
Tgt Ion: 95 Resp: 476459
Ion Ratio Lower Upper
95 100
174 71.6 0.0 142.6
176 68.3 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

Tgt Ion: 117 Resp: 1079771
Ion Ratio Lower Upper
117 100
82 58.1 46.3 69.5
119 31.1 24.7 37.1

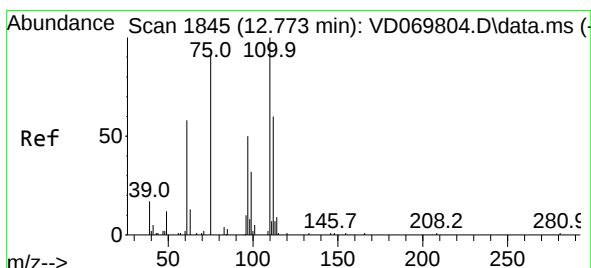
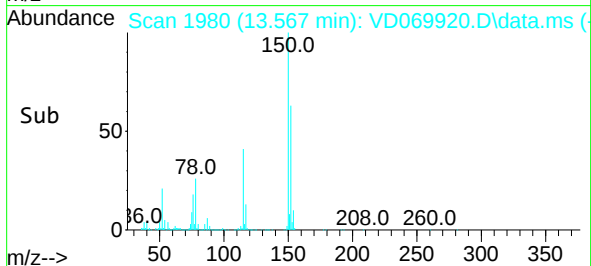
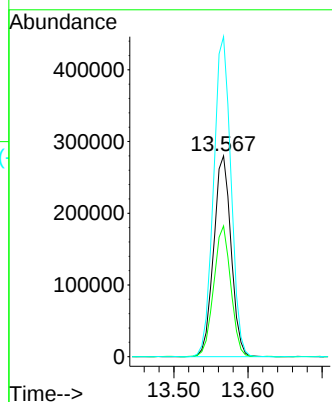
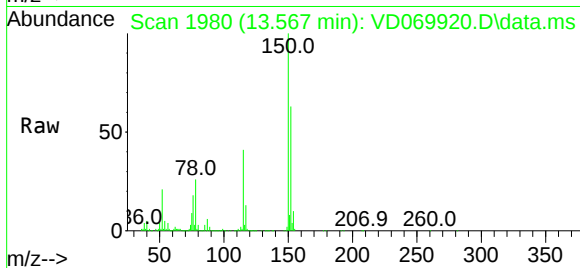




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069920.D
 Acq: 29 Jul 2021 19:21

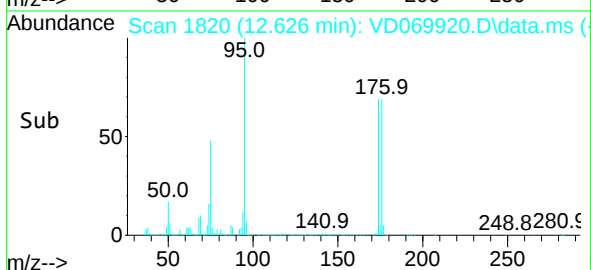
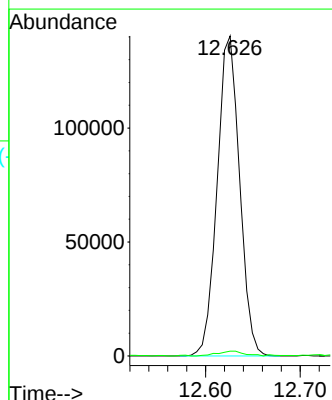
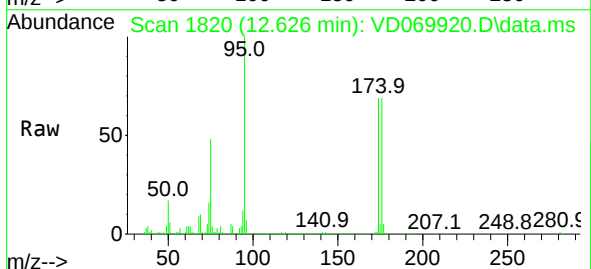
Instrument :
 MSVOA_D
 ClientSampleId :

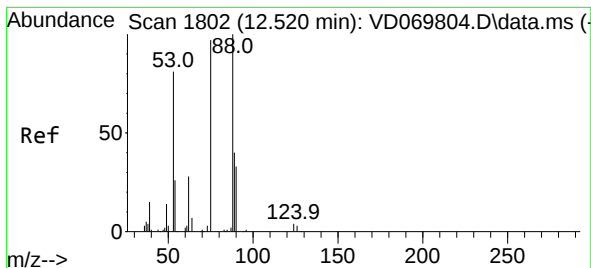
Tgt Ion:152 Resp: 455010
 Ion Ratio Lower Upper
 152 100
 115 64.0 31.1 93.3
 150 159.6 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 47.768 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069920.D
 Acq: 29 Jul 2021 19:21

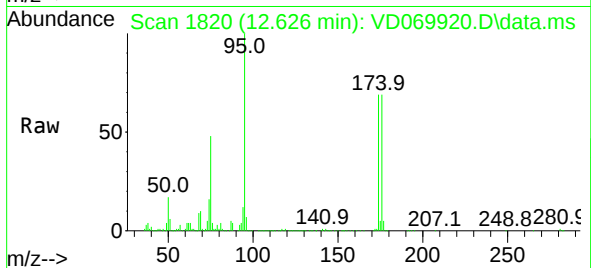
Tgt Ion: 75 Resp: 231028
 Ion Ratio Lower Upper
 75 100
 77 1.8 181.5 544.5#



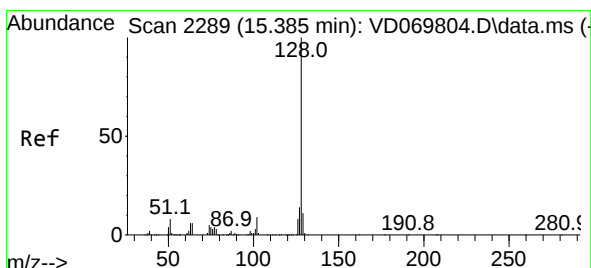
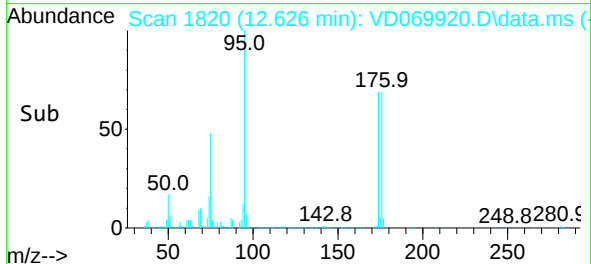
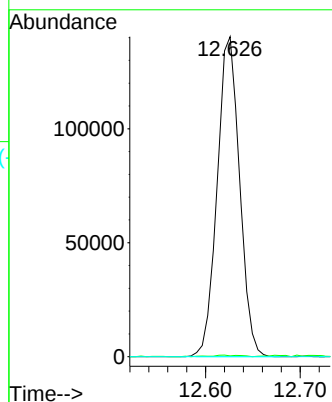


#81
trans-1,4-Dichloro-2-butene
Concen: 144.917 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 75 Resp: 231028
Ion Ratio Lower Upper
75 100
53 0.7 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.049 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069920.D
Acq: 29 Jul 2021 19:21

Tgt Ion: 128 Resp: 841
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

