

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
 Data File : VD069911.D
 Acq On : 29 Jul 2021 15:02
 Operator : VA/SY
 Sample : M3219-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 00:55:56 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)

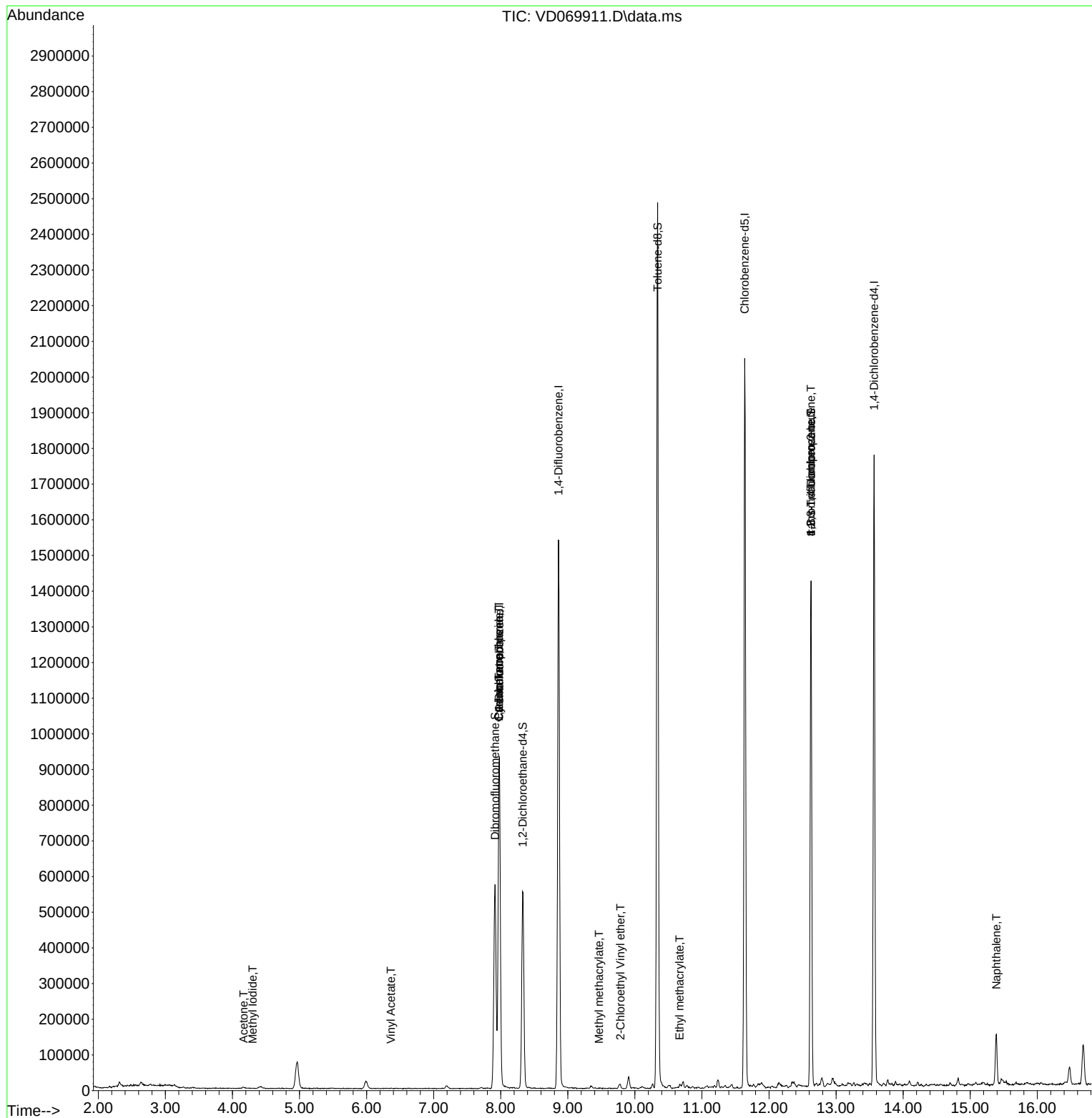
Internal Standards						
1) Pentafluorobenzene	7.979	168	667150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1290411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1178095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	460141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	437751	57.052	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.100%			
35) Dibromofluoromethane	7.914	113	424470	52.180	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.360%			
50) Toluene-d8	10.338	98	1671567	53.290	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.580%			
62) 4-Bromofluorobenzene	12.626	95	491910	46.925	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.840%			
Target Compounds						Qvalue
5) Bromomethane	2.774	94	2666	Below Cal	#	76
10) Methyl Iodide	4.303	142	617	3.532	ug/l #	52
16) Acetone	4.168	43	7011	5.058	ug/l #	83
20) Methylene Chloride	4.968	84	62981	Below Cal		95
23) Vinyl Acetate	6.362	43	376	20.375	ug/l #	71
31) Cyclohexane	7.973	56	15910	1.061	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	60784	4.365	ug/l #	49
38) Carbon Tetrachloride	7.973	117	70480	5.541	ug/l #	17
48) Methyl methacrylate	9.467	41	165	2.779	ug/l #	13
56) Ethyl methacrylate	10.667	69	1591	4.057	ug/l #	27
58) 2-Chloroethyl Vinyl ether	9.785	63	60	20.884	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	239978	49.066	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	239978	148.852	ug/l #	16
95) Naphthalene	15.391	128	126729	12.582	ug/l	97

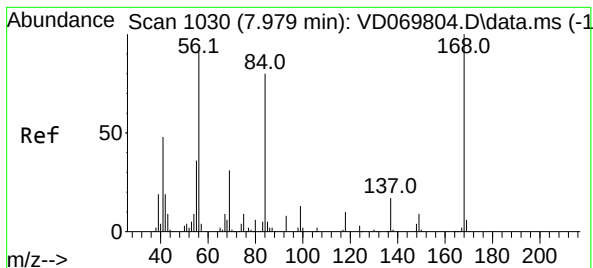
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 30 00:55:56 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: VD069911.D

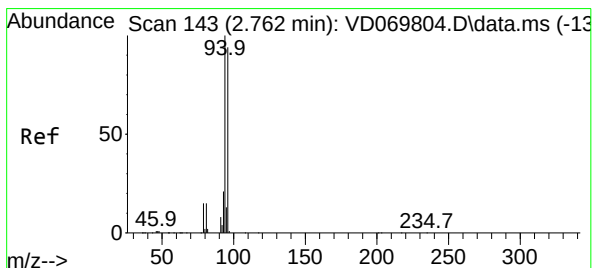
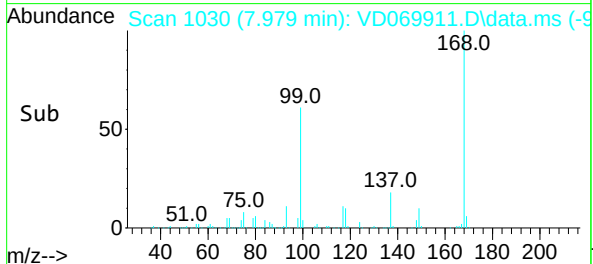
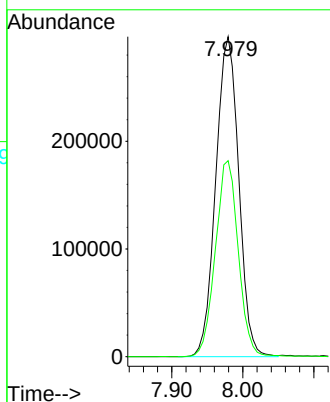
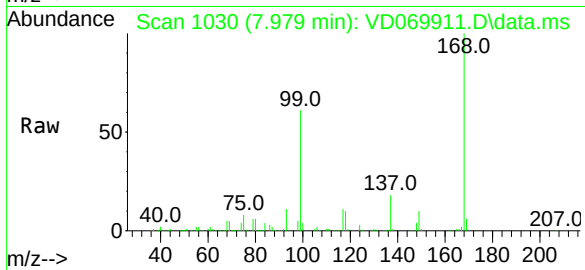
Acq: 29 Jul 2021 15:02

Tgt Ion:168 Resp: 667150

Ion Ratio Lower Upper

168 100

99 61.3 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.774 min Scan# 145

Delta R.T. 0.012 min

Lab File: VD069911.D

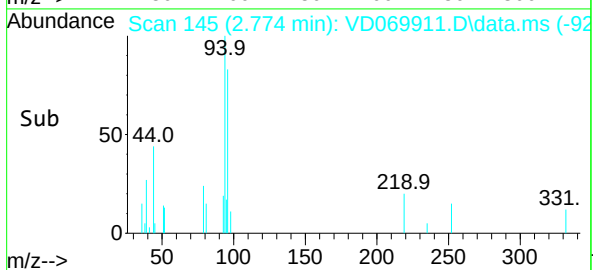
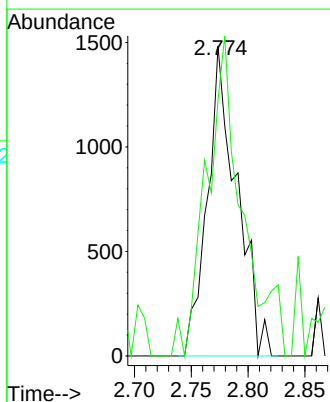
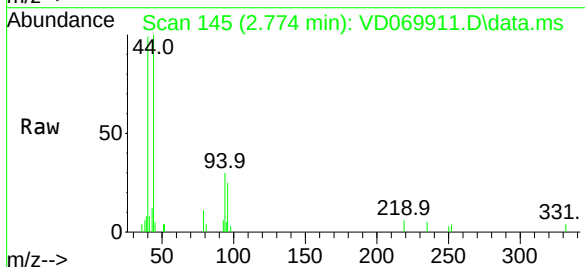
Acq: 29 Jul 2021 15:02

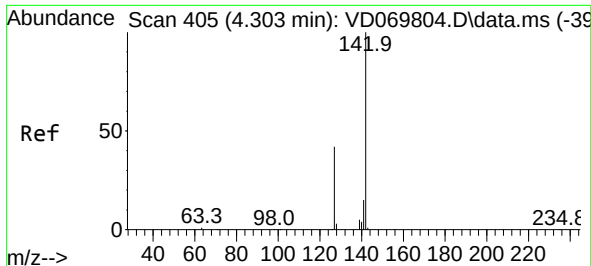
Tgt Ion: 94 Resp: 2666

Ion Ratio Lower Upper

94 100

96 70.6 74.8 112.2#

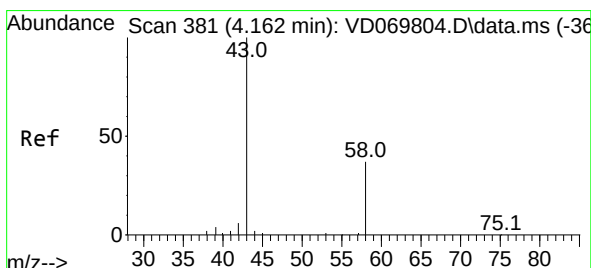
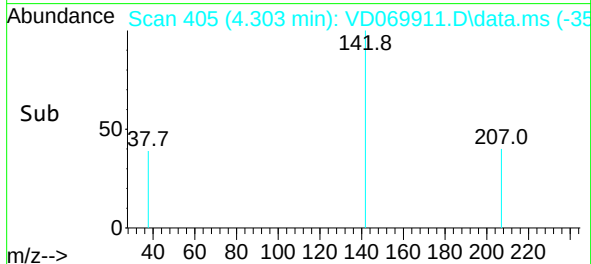
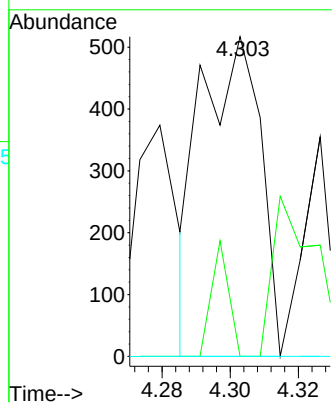
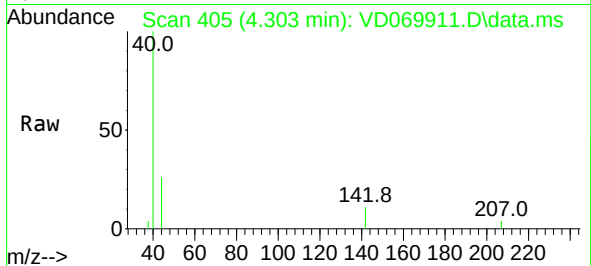




#10
Methyl Iodide
Concen: 3.532 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

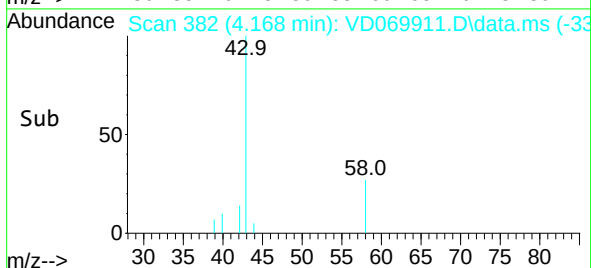
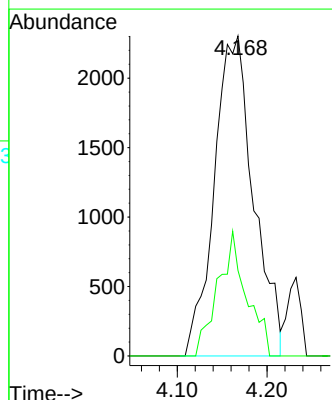
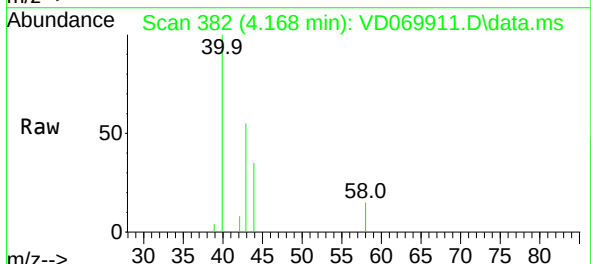
Instrument :
MSVOA_D
ClientSampled :

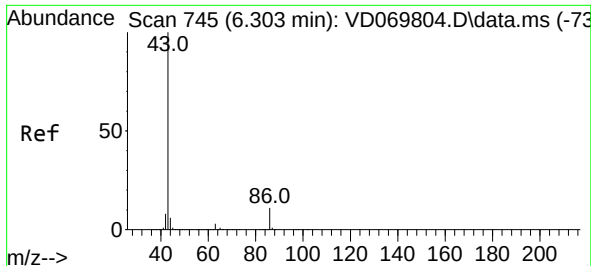
Tgt Ion:142 Resp: 617
Ion Ratio Lower Upper
142 100
127 10.7 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 5.058 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

Tgt Ion: 43 Resp: 7011
Ion Ratio Lower Upper
43 100
58 26.8 29.4 44.0#

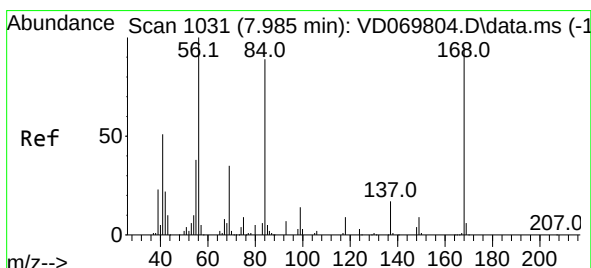
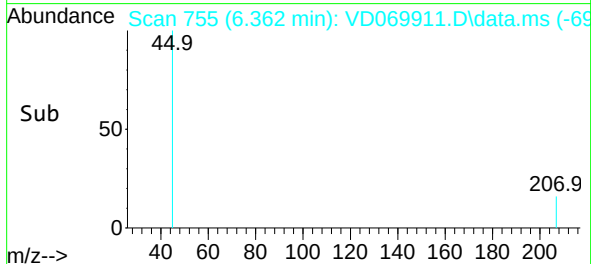
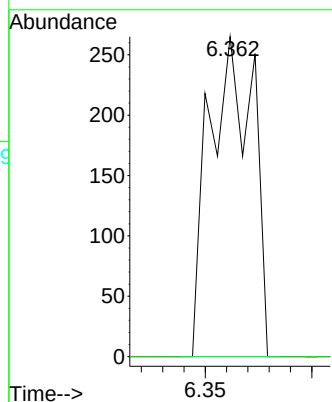
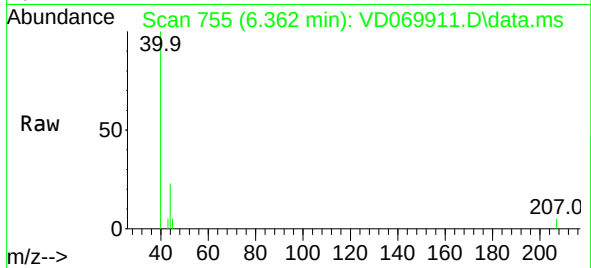




#23
 Vinyl Acetate
 Concen: 20.375 ug/l
 RT: 6.362 min Scan# 755
 Delta R.T. 0.059 min
 Lab File: VD069911.D
 Acq: 29 Jul 2021 15:02

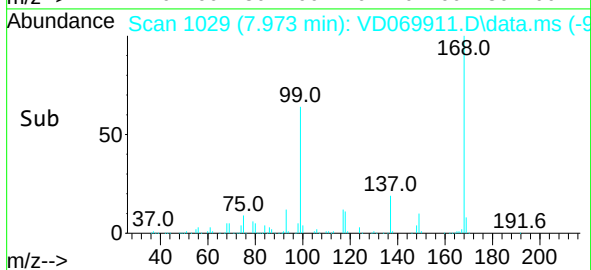
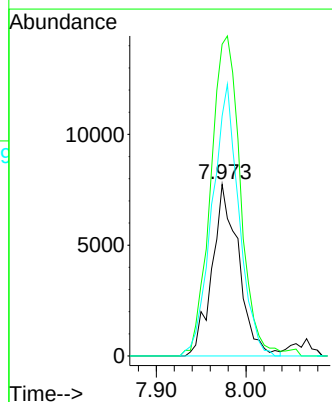
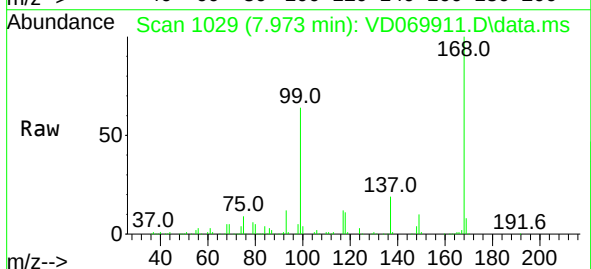
Instrument :
 MSVOA_D
 ClientSampleId :

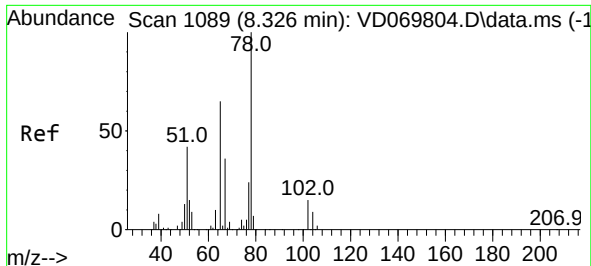
Tgt Ion: 43 Resp: 376
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.061 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD069911.D
 Acq: 29 Jul 2021 15:02

Tgt Ion: 56 Resp: 15910
 Ion Ratio Lower Upper
 56 100
 69 181.7 27.9 41.9#
 84 139.8 71.4 107.2#

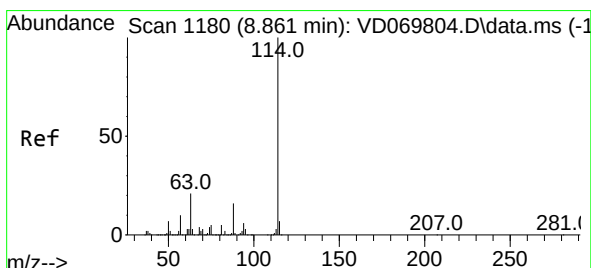
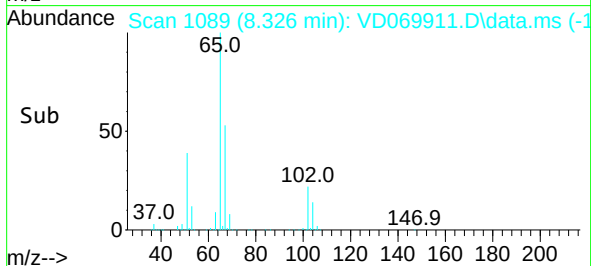
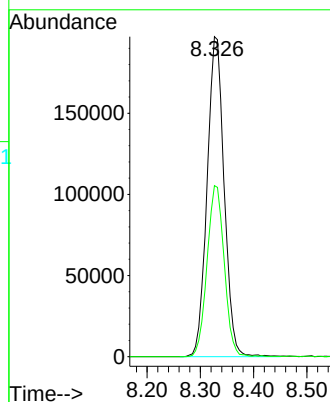
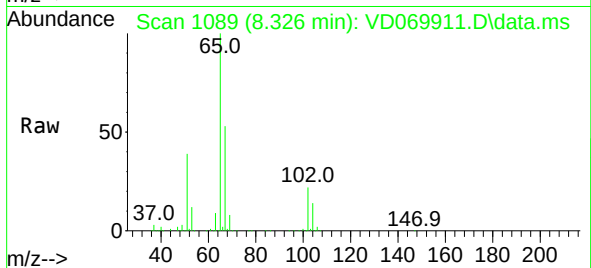




#33
1,2-Dichloroethane-d4
Concen: 57.052 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

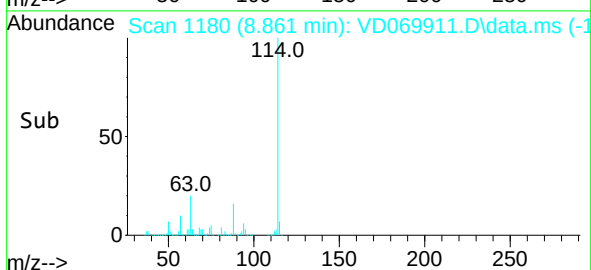
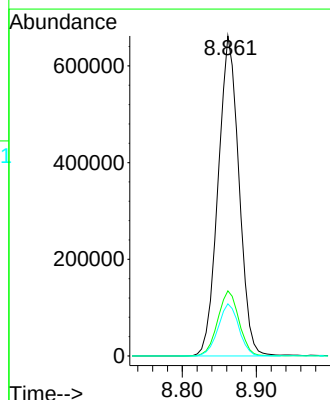
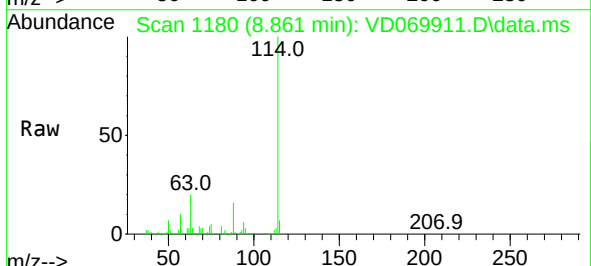
Instrument :
MSVOA_D
ClientSampleId :

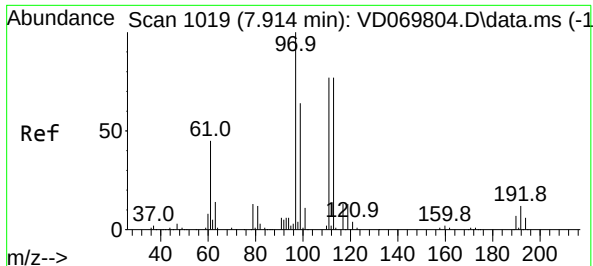
Tgt Ion: 65 Resp: 437751
Ion Ratio Lower Upper
65 100
67 53.7 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

Tgt Ion: 114 Resp: 1290411
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.6
88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.180 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069911.D

Acq: 29 Jul 2021 15:02

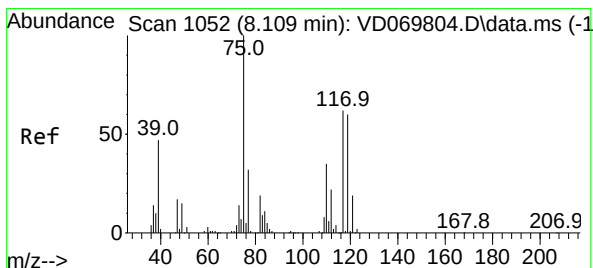
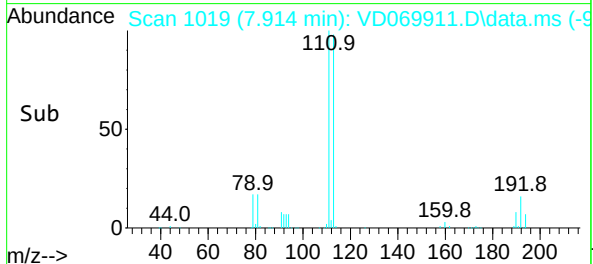
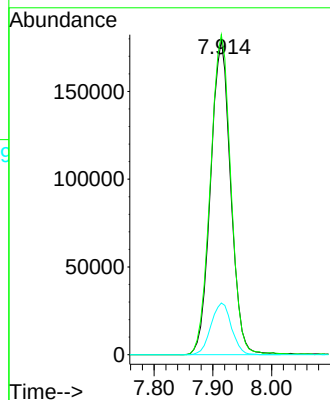
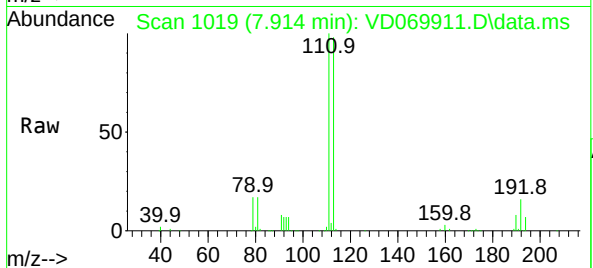
Tgt Ion:113 Resp: 424470

Ion Ratio Lower Upper

113 100

111 103.4 80.5 120.7

192 16.7 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.365 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069911.D

Acq: 29 Jul 2021 15:02

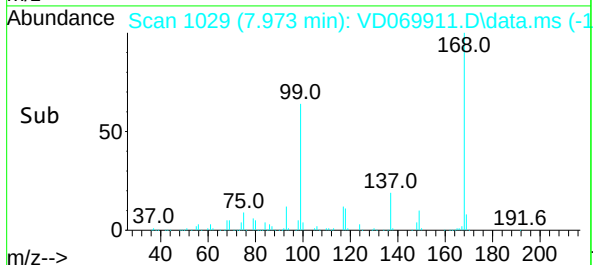
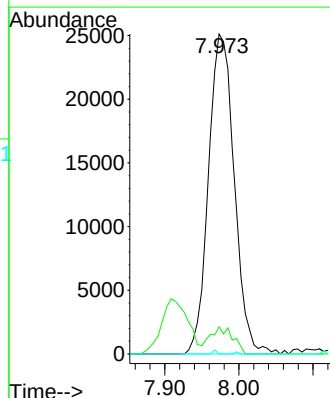
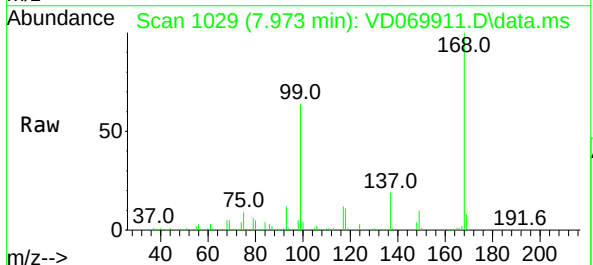
Tgt Ion: 75 Resp: 60784

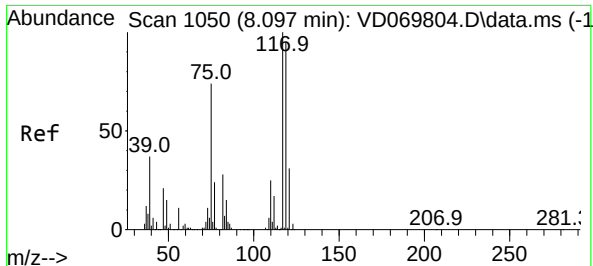
Ion Ratio Lower Upper

75 100

110 7.4 16.9 50.7#

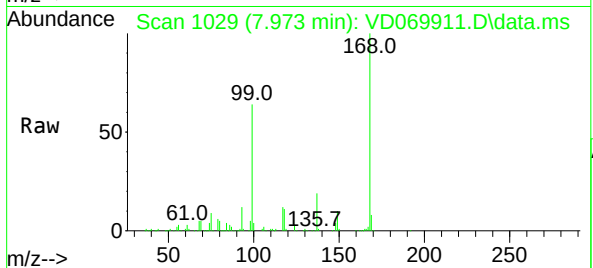
77 0.2 24.9 37.3#



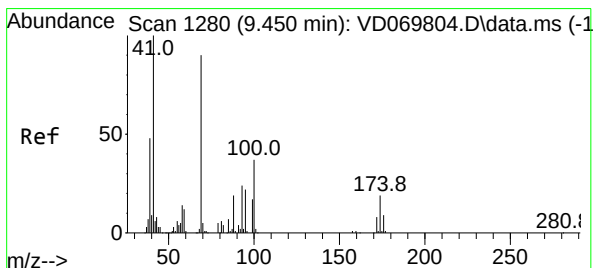
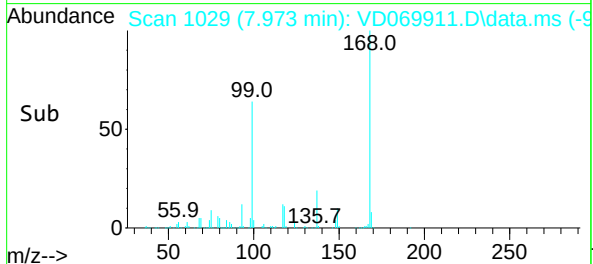
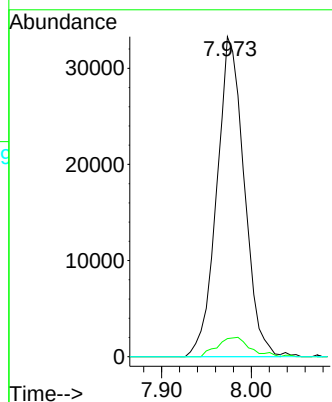


#38
Carbon Tetrachloride
Concen: 5.541 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

Instrument :
MSVOA_D
ClientSampleId :

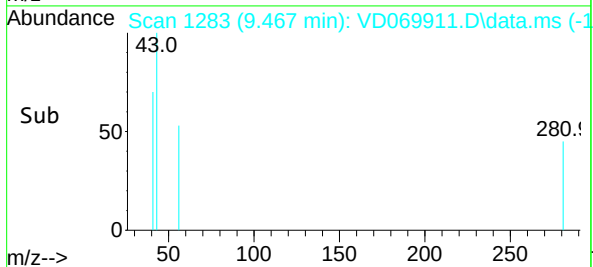
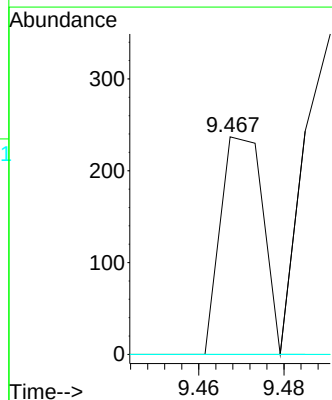
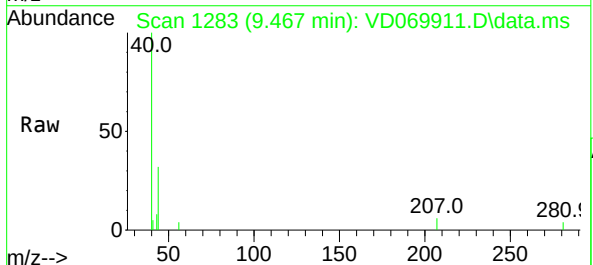


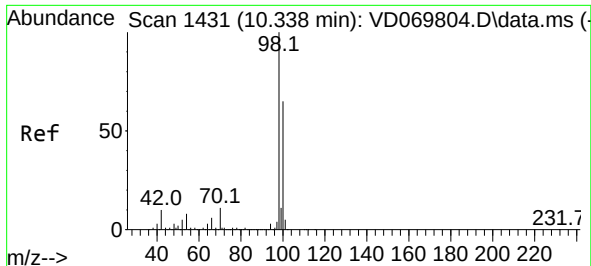
Tgt Ion:117 Resp: 70480
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.779 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.017 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

Tgt Ion: 41 Resp: 165
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

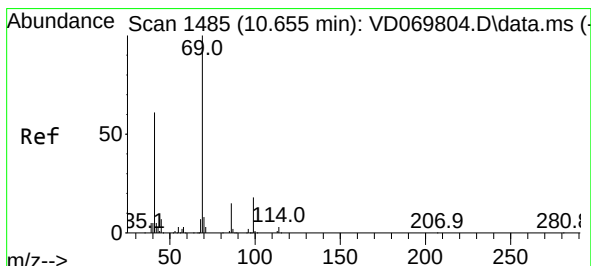
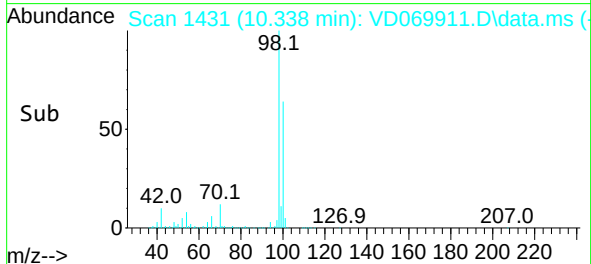
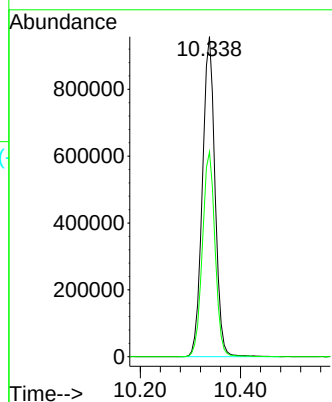
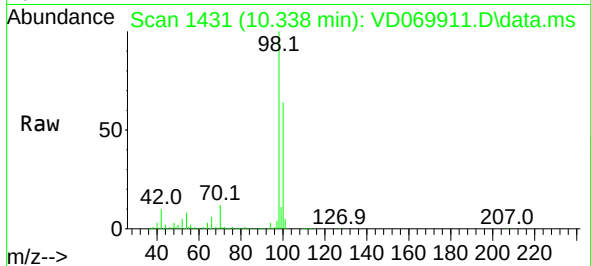




#50
Toluene-d8
Concen: 53.290 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

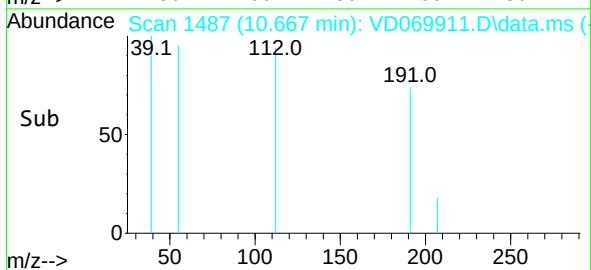
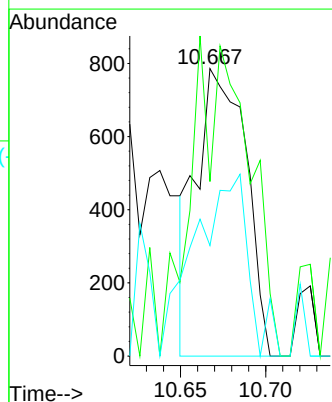
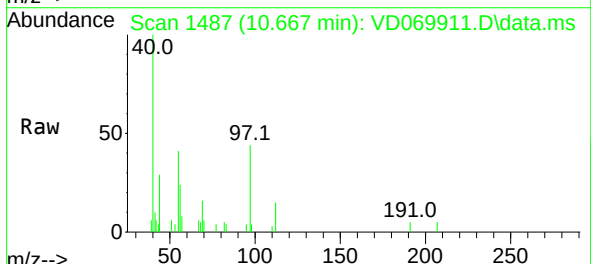
Instrument :
MSVOA_D
ClientSampleId :

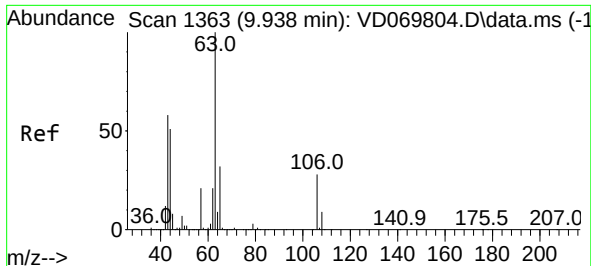
Tgt Ion: 98 Resp: 1671567
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#56
Ethyl methacrylate
Concen: 4.057 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

Tgt Ion: 69 Resp: 1591
Ion Ratio Lower Upper
69 100
41 126.3 50.2 75.2#
39 0.0 22.0 33.0#

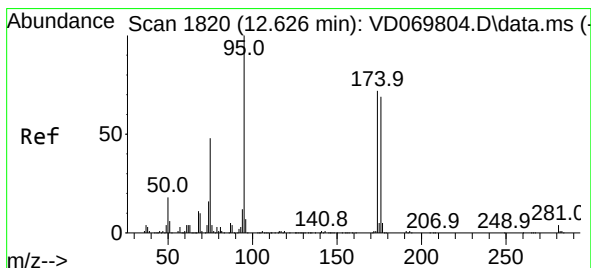
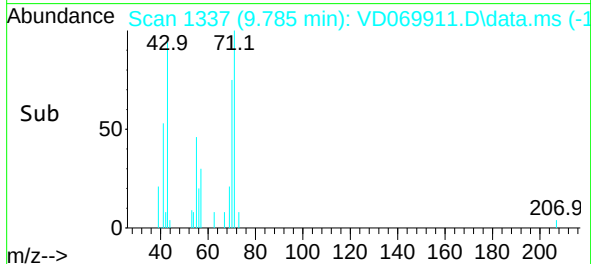
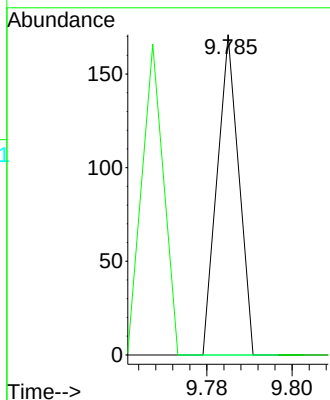
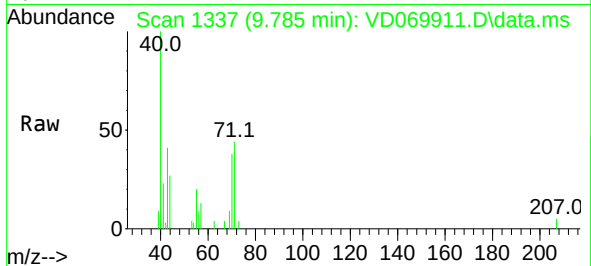




#58
2-Chloroethyl Vinyl ether
Concen: 20.884 ug/l
RT: 9.785 min Scan# 1337
Delta R.T. -0.153 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

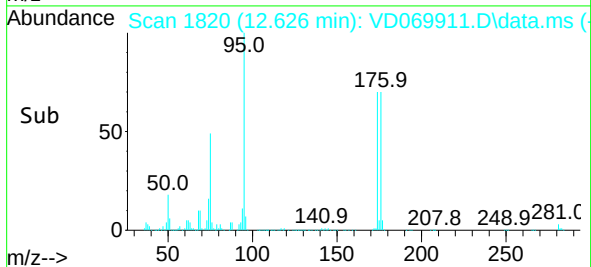
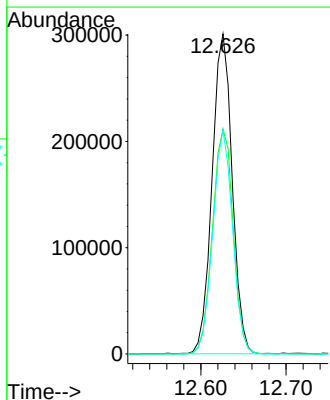
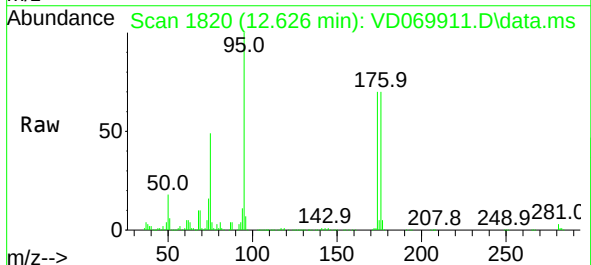
Instrument :
MSVOA_D
ClientSampleId :

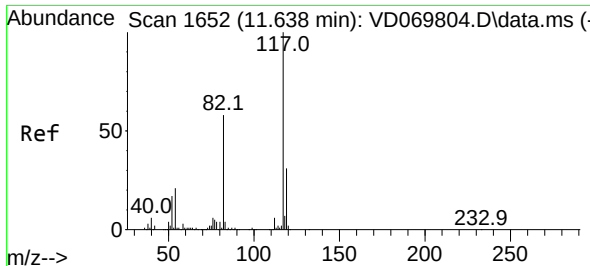
Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 98.3 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 46.925 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

Tgt Ion: 95 Resp: 491910
Ion Ratio Lower Upper
95 100
174 72.8 0.0 142.6
176 69.2 0.0 134.2

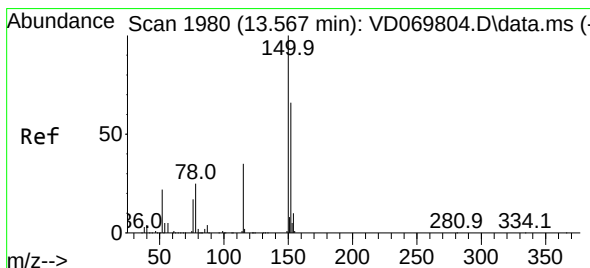
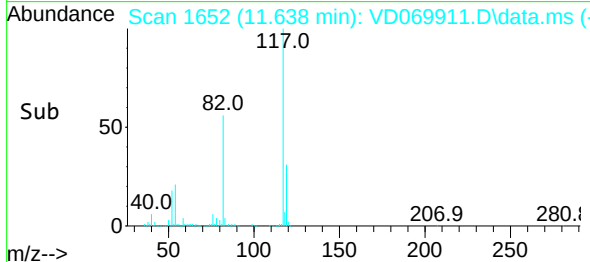
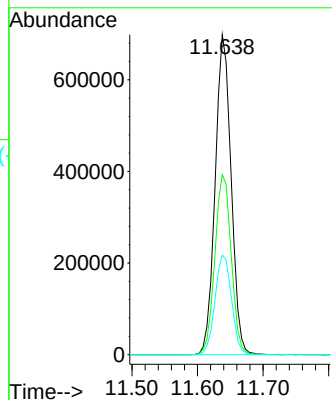
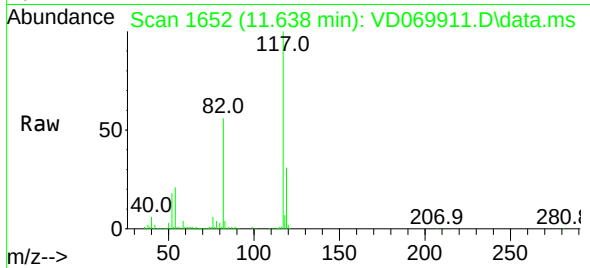




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

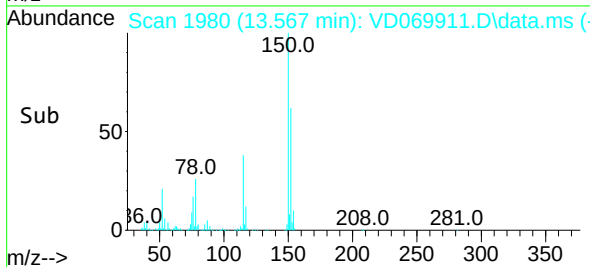
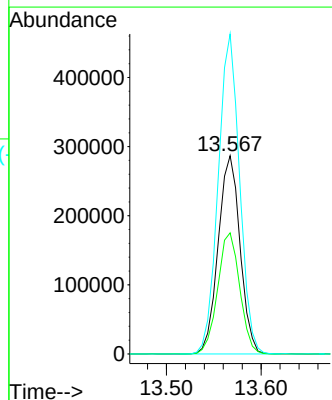
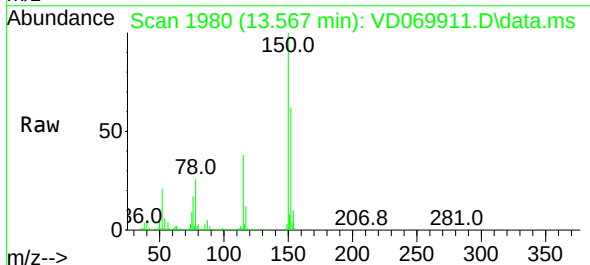
Instrument :
MSVOA_D
ClientSampleId :

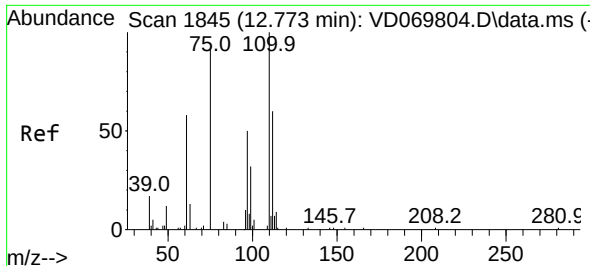
Tgt Ion:117 Resp: 1178095
Ion Ratio Lower Upper
117 100
82 56.2 46.3 69.5
119 31.2 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

Tgt Ion:152 Resp: 460141
Ion Ratio Lower Upper
152 100
115 61.7 31.1 93.3
150 157.9 0.0 343.0

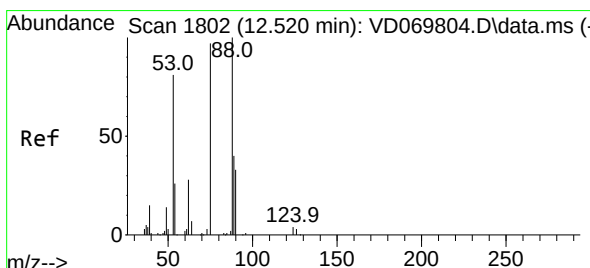
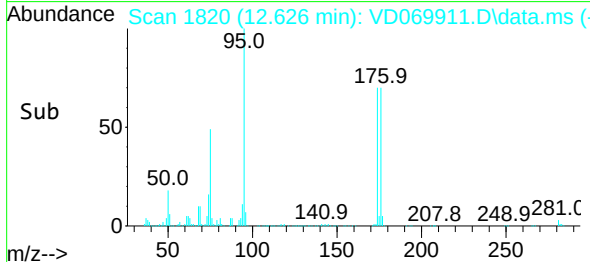
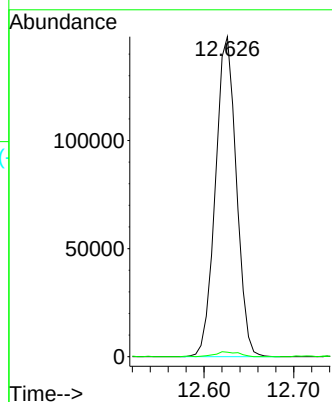
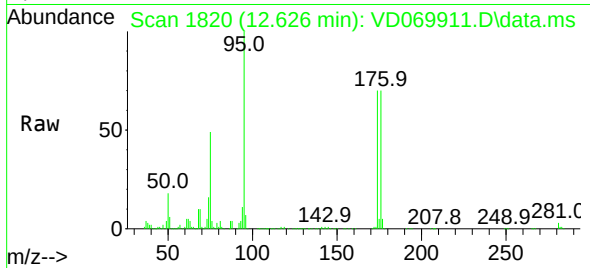




#76
1,2,3-Trichloropropane
Concen: 49.066 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

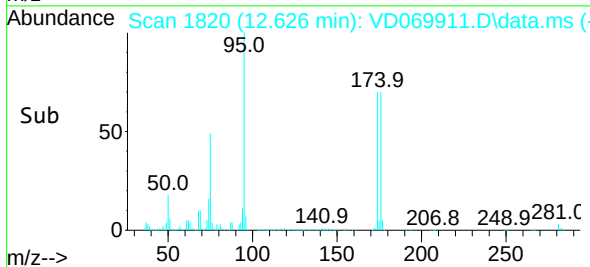
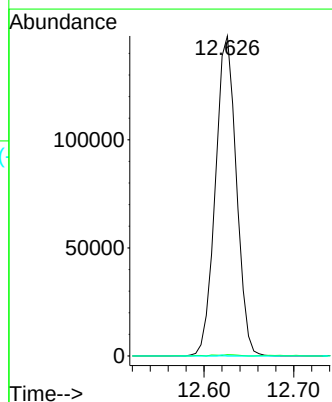
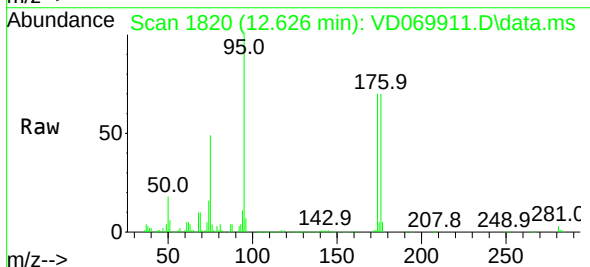
Instrument :
MSVOA_D
ClientSampleId :

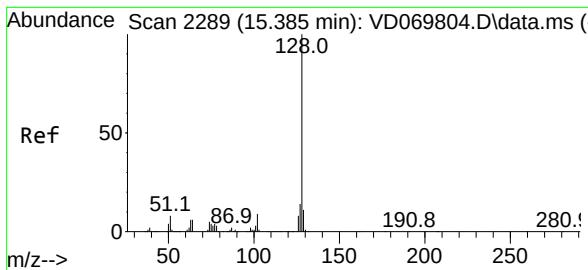
Tgt Ion: 75 Resp: 239978
Ion Ratio Lower Upper
75 100
77 1.7 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 148.852 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

Tgt Ion: 75 Resp: 239978
Ion Ratio Lower Upper
75 100
53 0.5 67.2 100.8#
89 0.1 35.8 53.6#





#95
Naphthalene
Concen: 12.582 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD069911.D
Acq: 29 Jul 2021 15:02

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 126729
Ion Ratio Lower Upper
128 100
127 14.3 10.6 16.0
129 11.7 8.6 12.8

