

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072321\
 Data File : VD069822.D
 Acq On : 23 Jul 2021 12:02
 Operator : VA/SY
 Sample : VD0723SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 24 01:33:03 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)

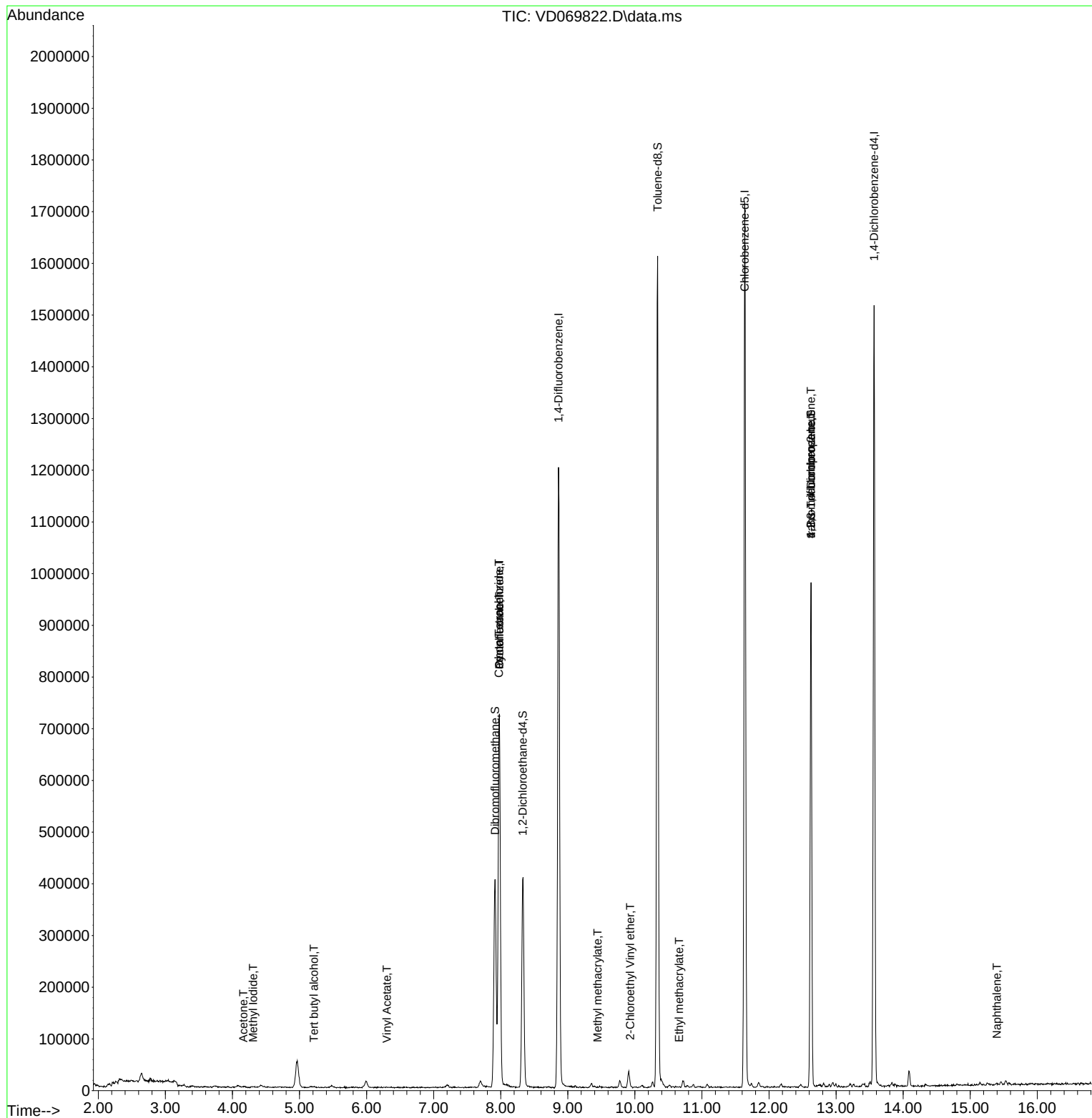
Internal Standards						
1) Pentafluorobenzene	7.979	168	518415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1025778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	977347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	400072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	319554	53.596	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.200%			
35) Dibromofluoromethane	7.914	113	301037	46.553	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.100%			
50) Toluene-d8	10.338	98	1100307	44.128	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.260%			
62) 4-Bromofluorobenzene	12.626	95	329894	39.588	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 79.180%			
Target Compounds						Qvalue
5) Bromomethane	2.779	94	4490	Below Cal		91
10) Methyl Iodide	4.309	142	2205	3.781 ug/l #		87
11) Tert butyl alcohol	5.215	59	950	3.079 ug/l #		73
16) Acetone	4.162	43	2220	2.061 ug/l #		46
20) Methylene Chloride	4.968	84	40491	Below Cal		96
23) Vinyl Acetate	6.303	43	62	20.355 ug/l #		71
31) Cyclohexane	7.979	56	14179	1.217 ug/l #		1
38) Carbon Tetrachloride	7.973	117	56640	5.601 ug/l #		16
48) Methyl methacrylate	9.444	41	216	2.800 ug/l #		32
56) Ethyl methacrylate	10.661	69	295	3.934 ug/l #		80
58) 2-Chloroethyl Vinyl ether	9.932	63	192	20.925 ug/l #		56
76) 1,2,3-Trichloropropane	12.626	75	163352	38.413 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	163352	116.536 ug/l #		16
95) Naphthalene	15.396	128	2895	5.198 ug/l #		90

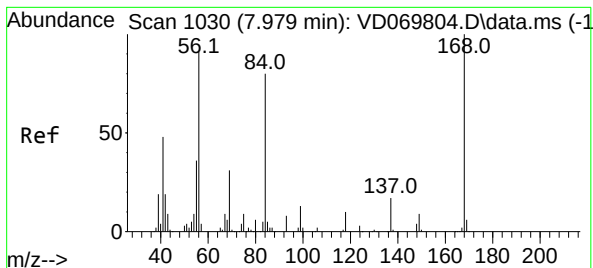
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072321\
Data File : VD069822.D
Acq On : 23 Jul 2021 12:02
Operator : VA/SY
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Misc : 5.00G/5.00ml/MSVOA_D/SOIL
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Instrument :
MSVOA_D
ClientSampled :

Quant Time: Jul 24 01:33:03 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD069822.D

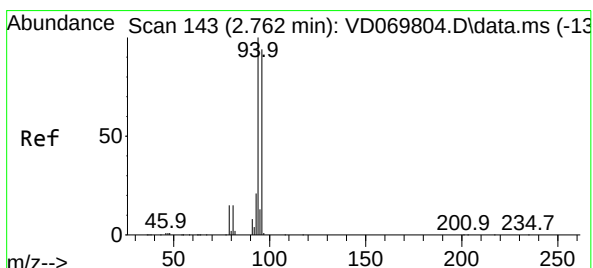
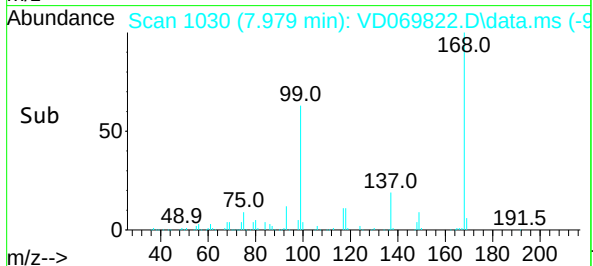
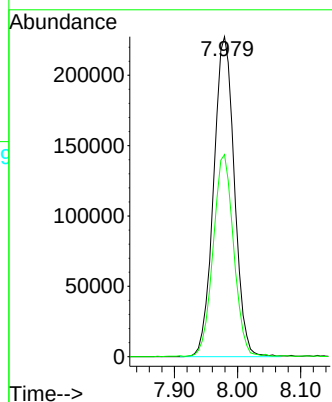
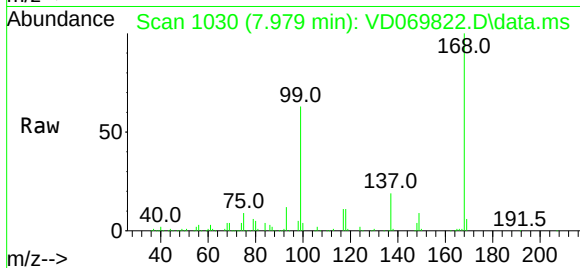
Acq: 23 Jul 2021 12:02

Tgt Ion:168 Resp: 518415

Ion Ratio Lower Upper

168 100

99 62.9 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD069822.D

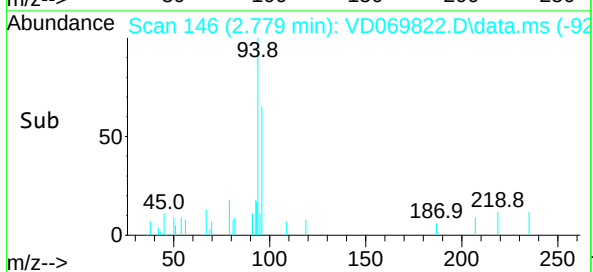
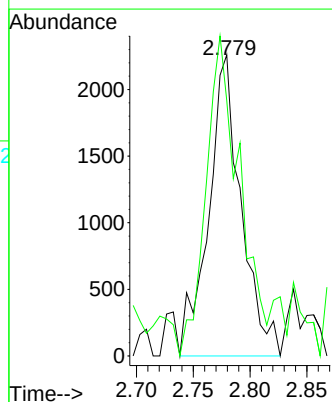
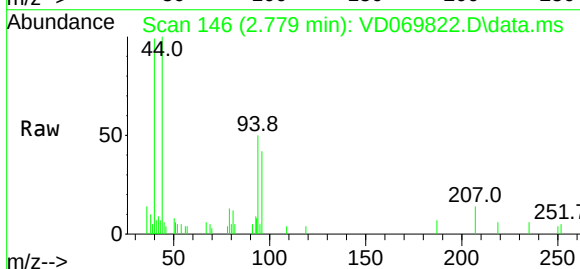
Acq: 23 Jul 2021 12:02

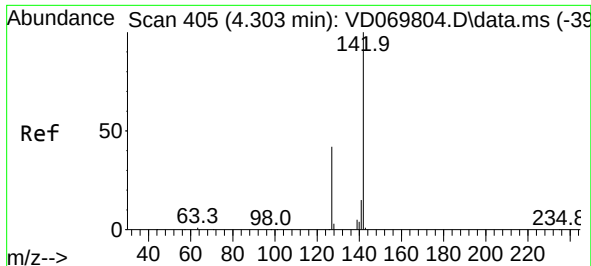
Tgt Ion: 94 Resp: 4490

Ion Ratio Lower Upper

94 100

96 84.8 74.8 112.2

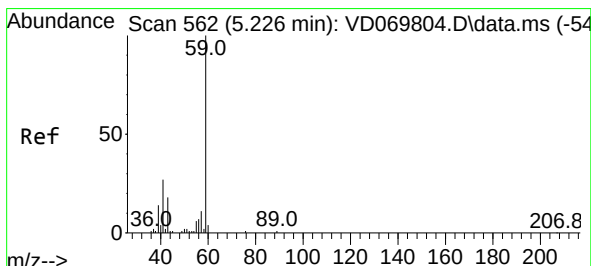
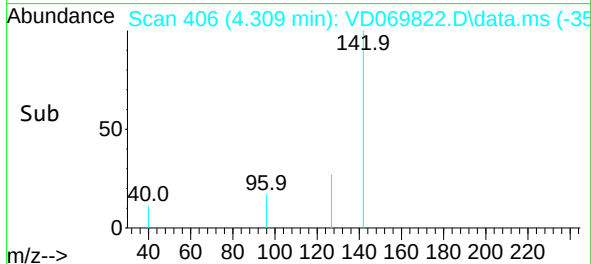
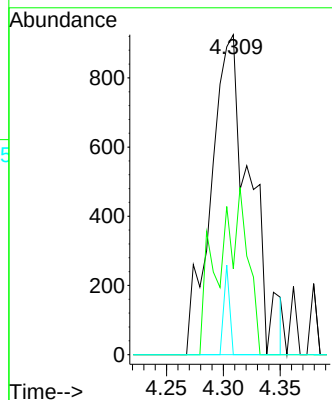
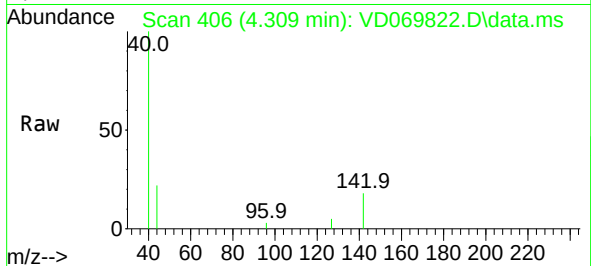




#10
Methyl Iodide
Concen: 3.781 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

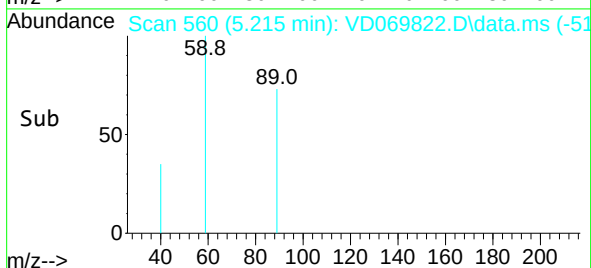
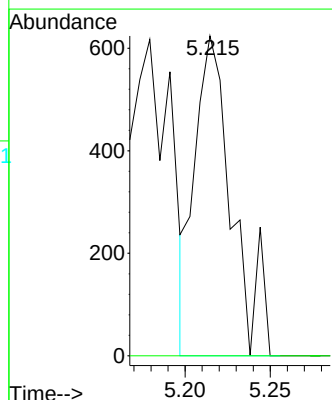
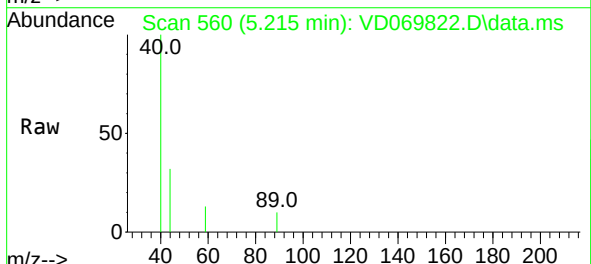
Instrument :
MSVOA_D
ClientSampleId :

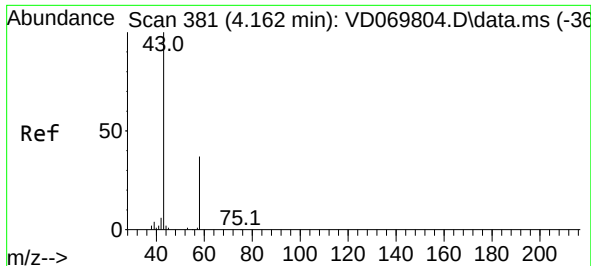
Tgt Ion:142 Resp: 2205
Ion Ratio Lower Upper
142 100
127 39.3 35.7 53.5
141 4.1 12.0 18.0#



#11
Tert butyl alcohol
Concen: 3.079 ug/l
RT: 5.215 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

Tgt Ion: 59 Resp: 950
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

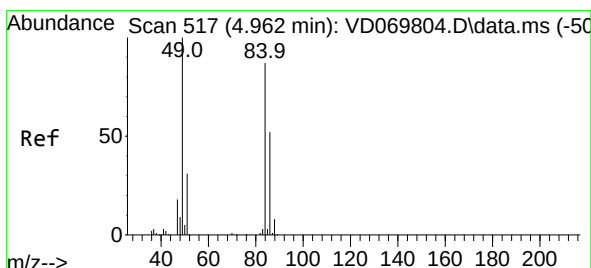
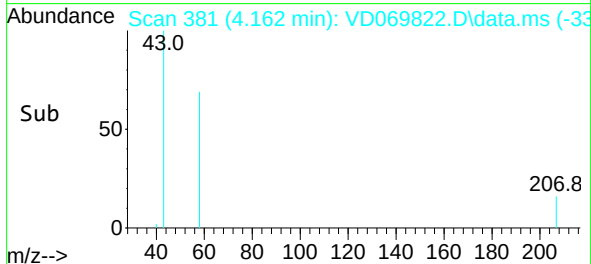
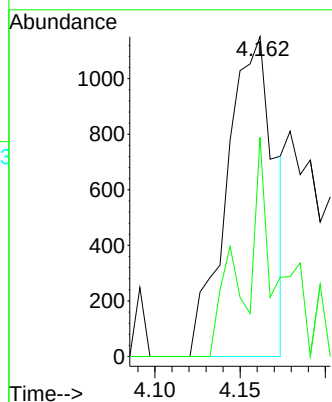
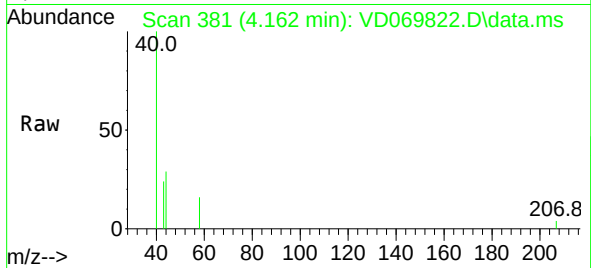




#16
Acetone
Concen: 2.061 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

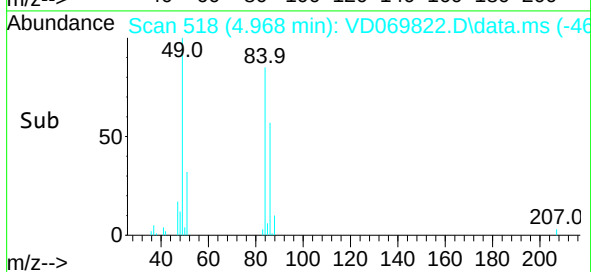
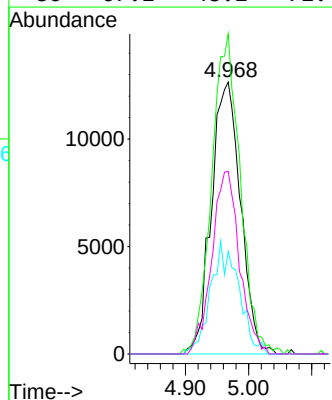
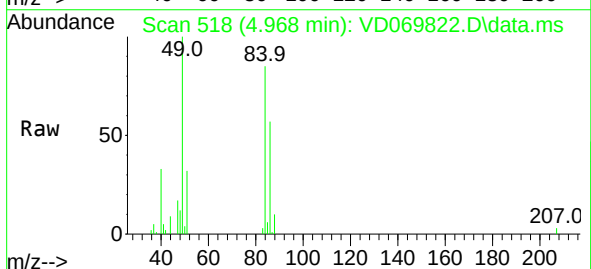
Instrument :
MSVOA_D
ClientSampleId :

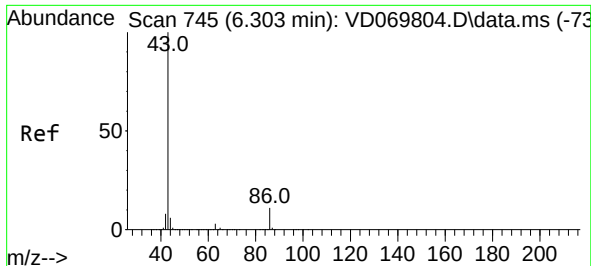
Tgt Ion: 43 Resp: 2220
Ion Ratio Lower Upper
43 100
58 68.5 29.4 44.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

Tgt Ion: 84 Resp: 40491
Ion Ratio Lower Upper
84 100
49 117.7 92.4 138.6
51 37.7 28.5 42.7
86 67.2 48.2 72.4

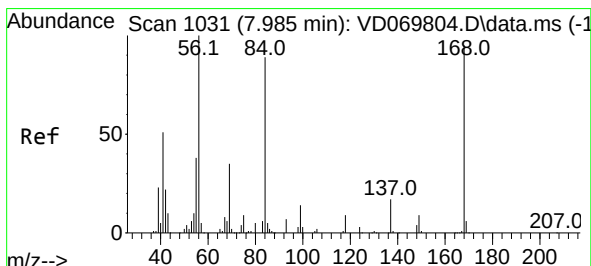
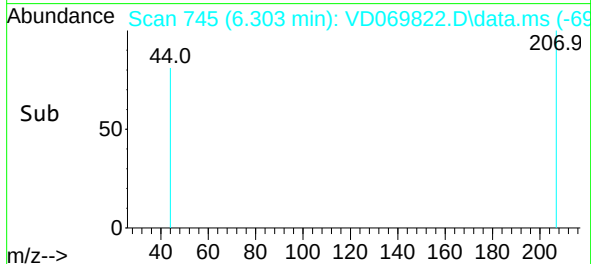
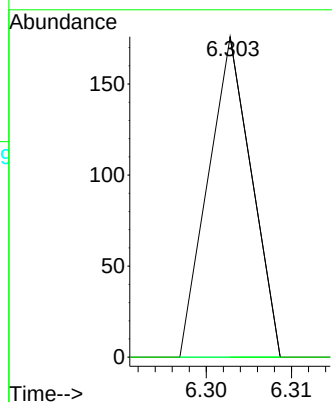
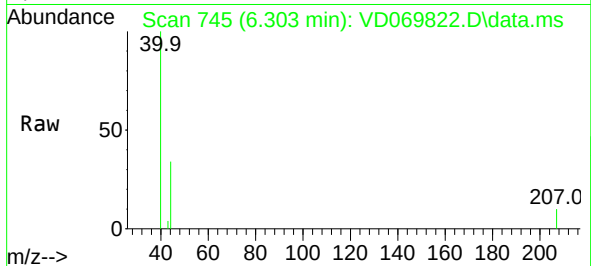




#23
 Vinyl Acetate
 Concen: 20.355 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD069822.D
 Acq: 23 Jul 2021 12:02

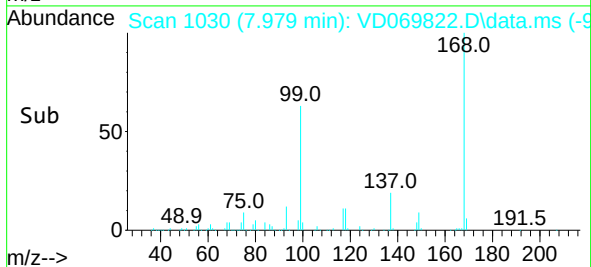
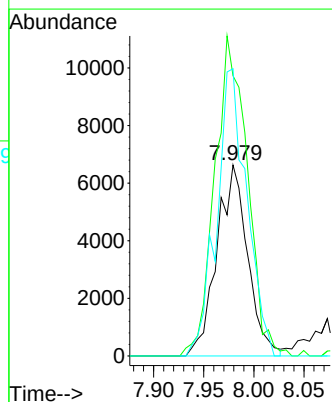
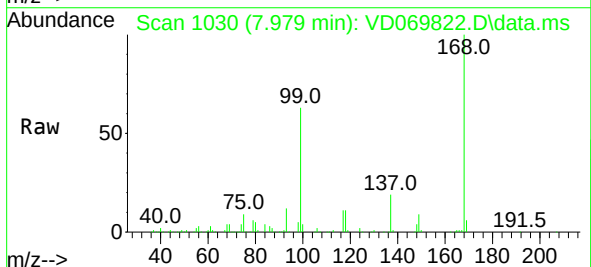
Instrument :
 MSVOA_D
 ClientSampled :

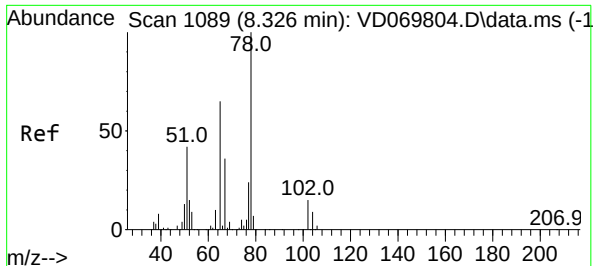
Tgt Ion: 43 Resp: 62
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.217 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069822.D
 Acq: 23 Jul 2021 12:02

Tgt Ion: 56 Resp: 14179
 Ion Ratio Lower Upper
 56 100
 69 146.7 27.9 41.9#
 84 150.4 71.4 107.2#



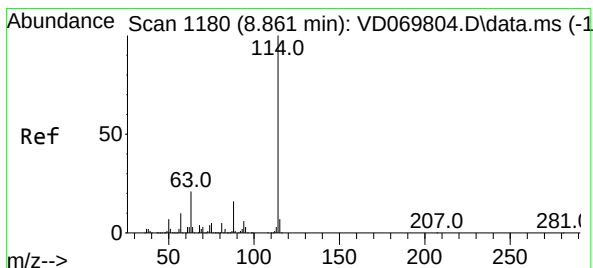
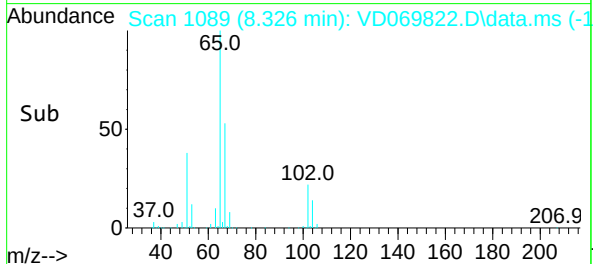
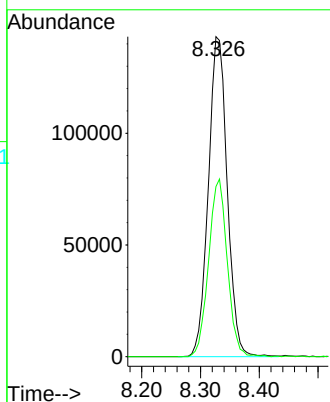
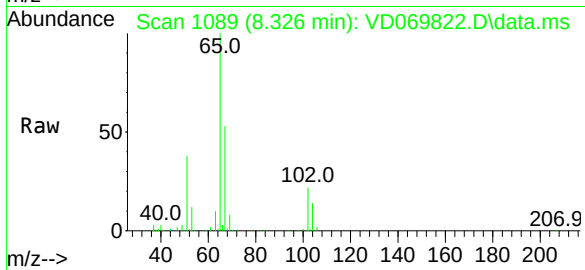


#33

1,2-Dichloroethane-d4
Concen: 53.596 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

Instrument :
MSVOA_D
ClientSampleId :

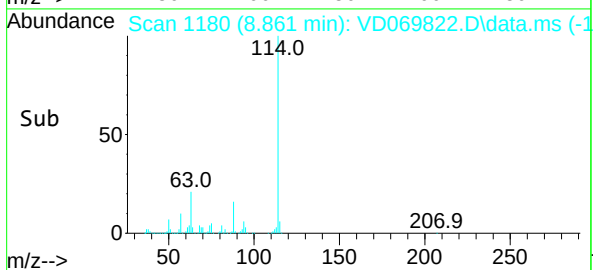
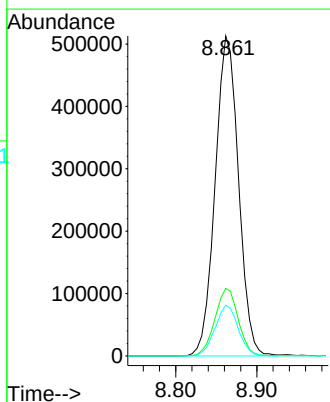
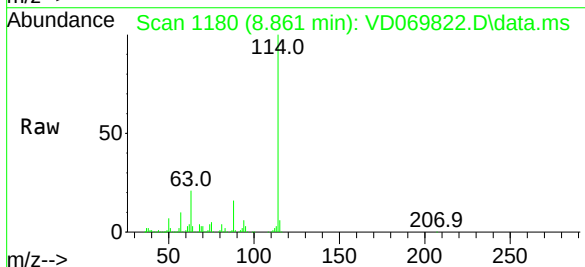
Tgt Ion: 65 Resp: 319554
Ion Ratio Lower Upper
65 100
67 54.9 0.0 111.2

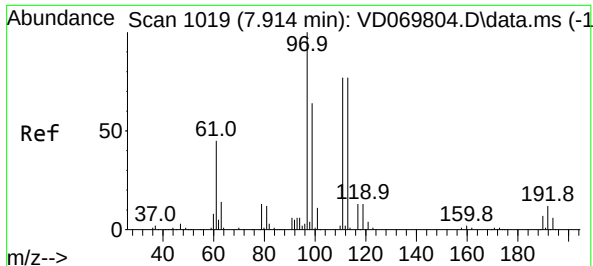


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

Tgt Ion: 114 Resp: 1025778
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.6
88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.553 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069822.D

Acq: 23 Jul 2021 12:02

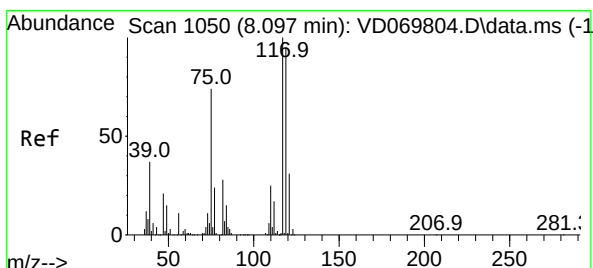
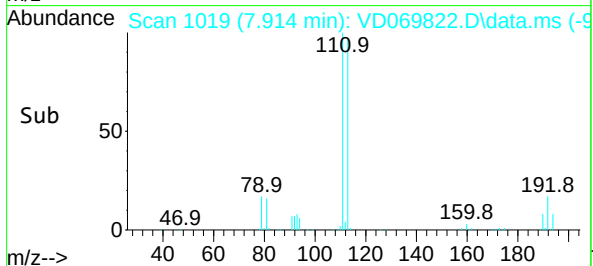
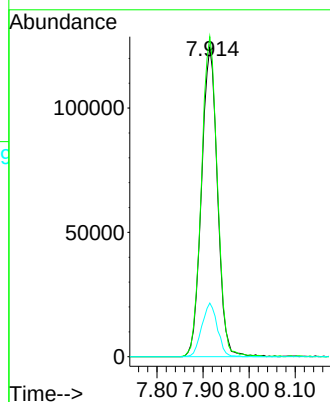
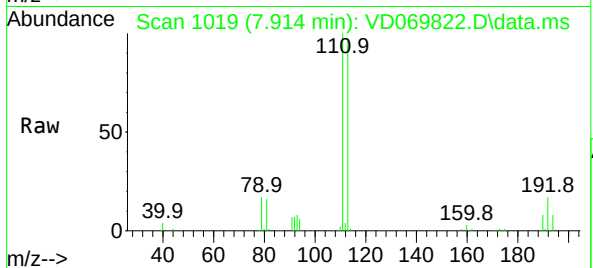
Tgt Ion:113 Resp: 301037

Ion Ratio Lower Upper

113 100

111 103.5 80.5 120.7

192 16.9 12.6 19.0



#38

Carbon Tetrachloride

Concen: 5.601 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.123 min

Lab File: VD069822.D

Acq: 23 Jul 2021 12:02

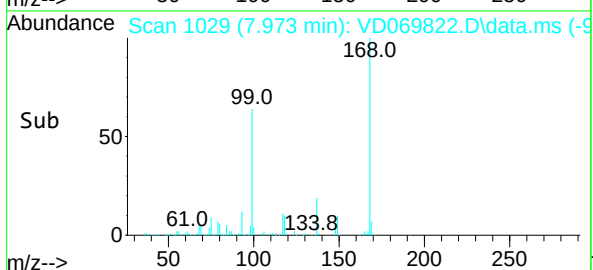
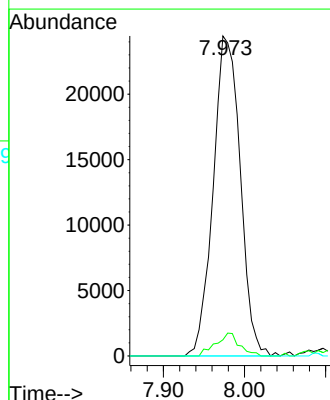
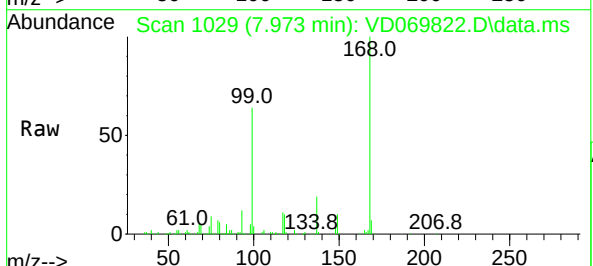
Tgt Ion:117 Resp: 56640

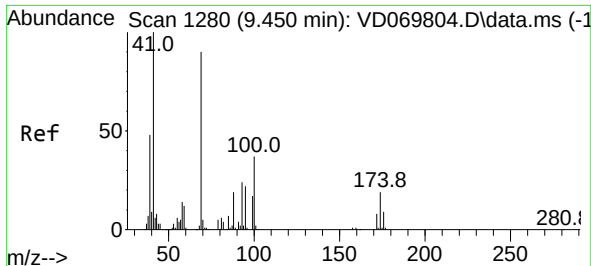
Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

121 0.0 24.5 36.7#

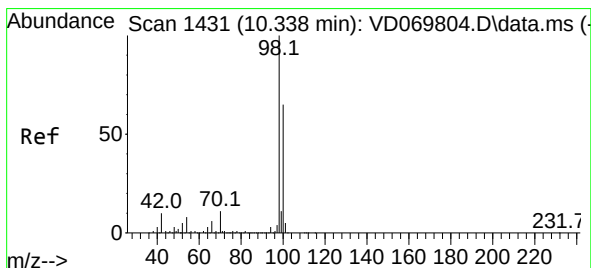
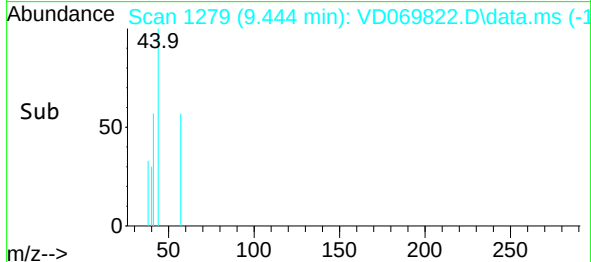
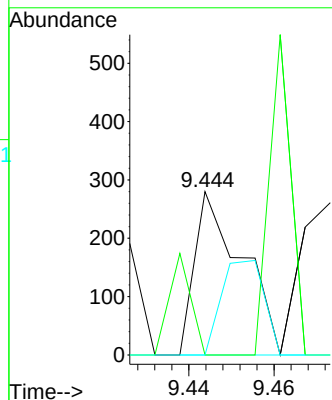
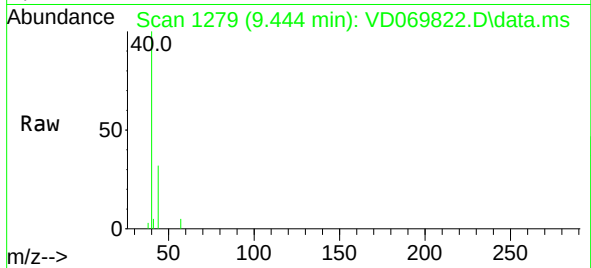




#48
Methyl methacrylate
Concen: 2.800 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

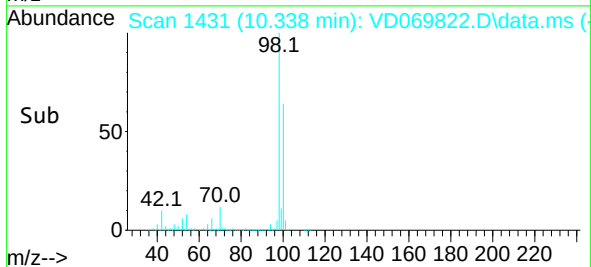
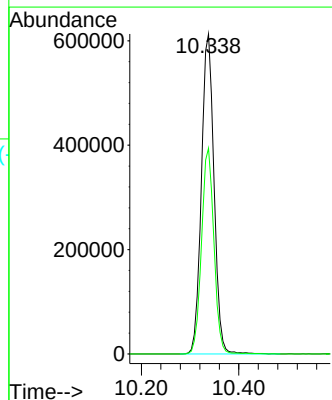
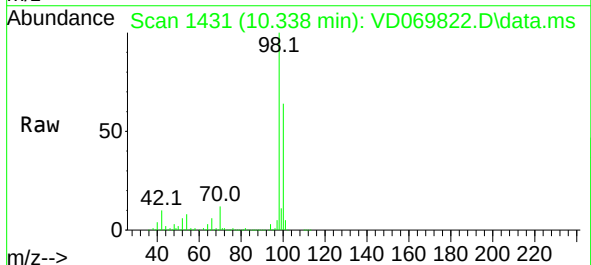
Instrument :
MSVOA_D
ClientSampleId :

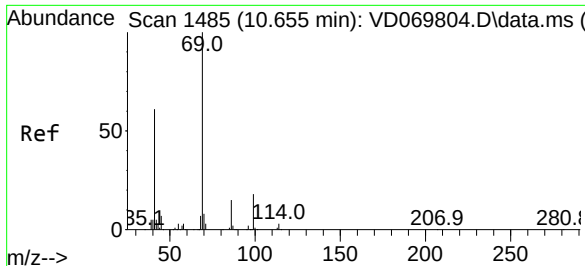
Tgt Ion: 41 Resp: 216
Ion Ratio Lower Upper
41 100
69 28.2 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 44.128 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

Tgt Ion: 98 Resp: 1100307
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9

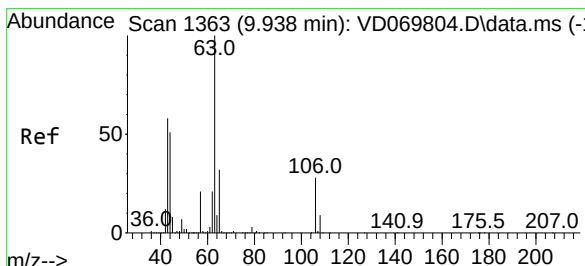
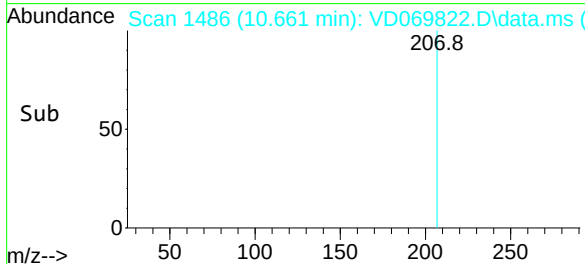
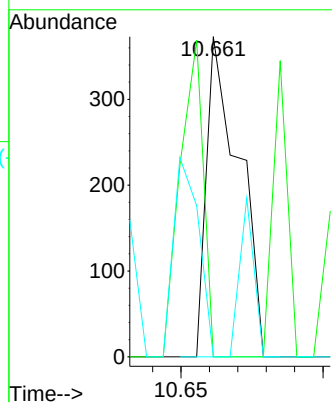
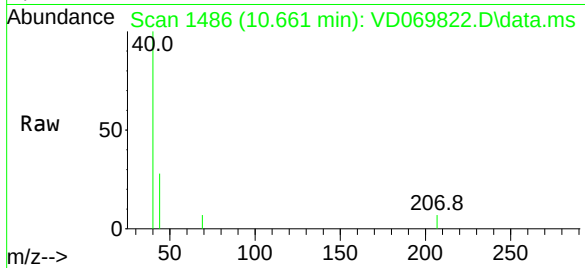




#56
Ethyl methacrylate
Concen: 3.934 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

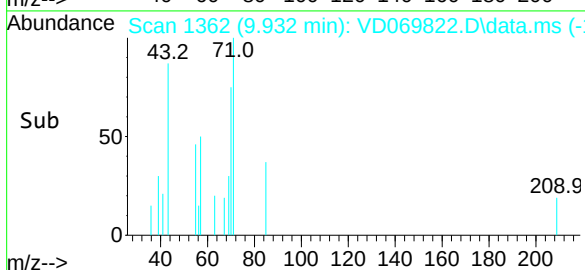
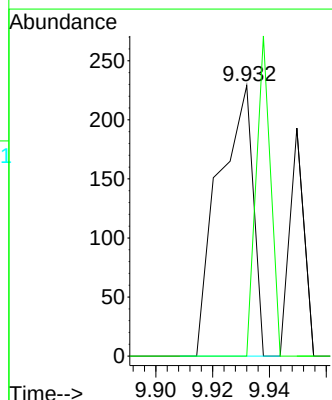
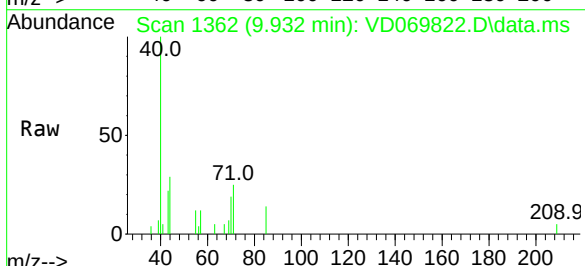
Instrument :
MSVOA_D
ClientSampleId :

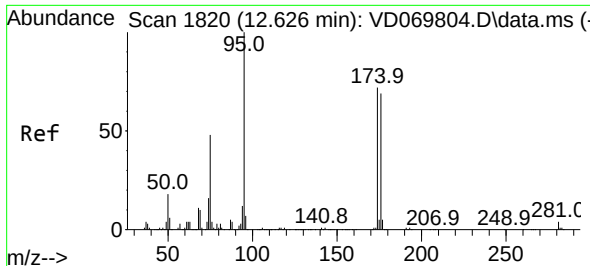
Tgt Ion: 69 Resp: 295
Ion Ratio Lower Upper
69 100
41 70.8 50.2 75.2
39 48.8 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.925 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

Tgt Ion: 63 Resp: 192
Ion Ratio Lower Upper
63 100
106 50.0 21.8 32.6#

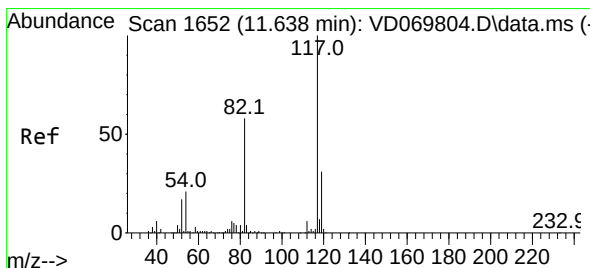
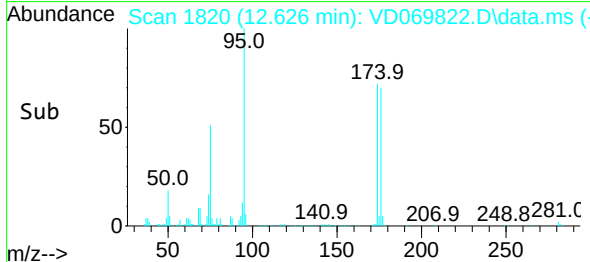
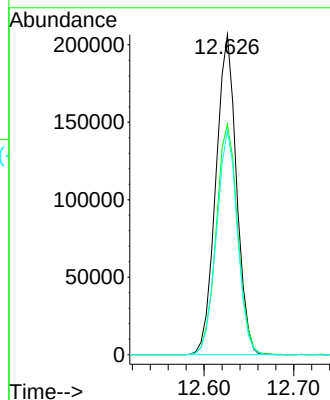
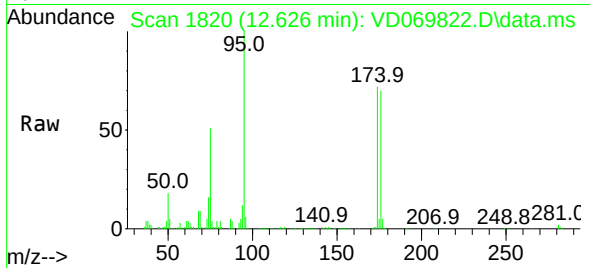




#62
4-Bromofluorobenzene
Concen: 39.588 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

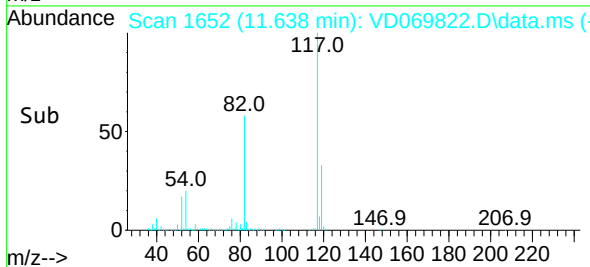
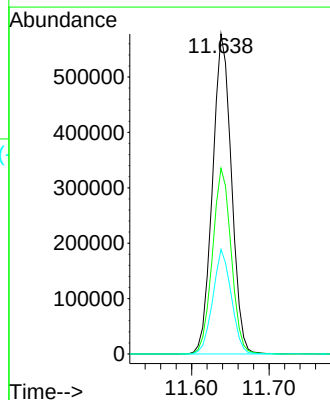
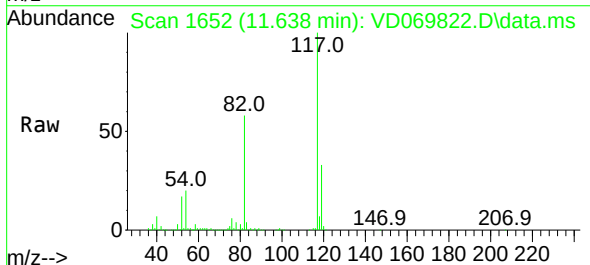
Instrument :
MSVOA_D
ClientSampleId :

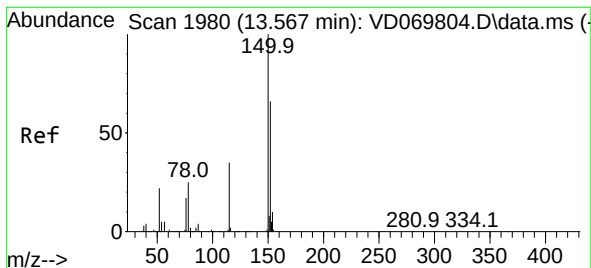
Tgt Ion: 95 Resp: 329894
Ion Ratio Lower Upper
95 100
174 74.9 0.0 142.6
176 71.2 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

Tgt Ion: 117 Resp: 977347
Ion Ratio Lower Upper
117 100
82 58.0 46.3 69.5
119 32.6 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: VD069822.D

Acq: 23 Jul 2021 12:02

Tgt Ion:152 Resp: 400072

Ion Ratio Lower Upper

152 100

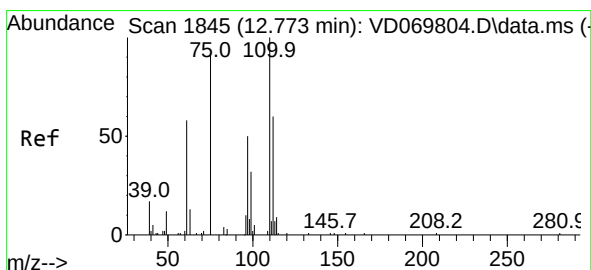
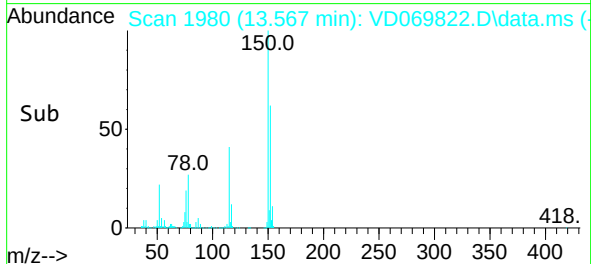
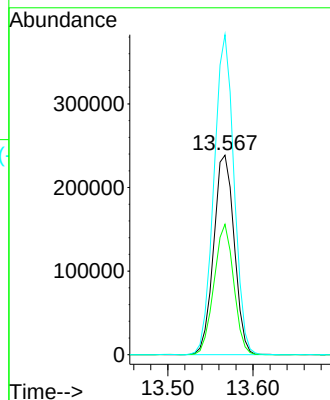
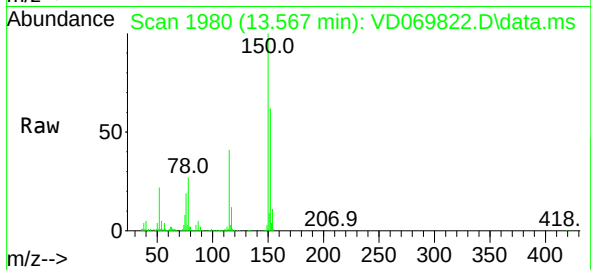
115 62.6 31.1 93.3

150 156.5 0.0 343.0

Instrument :

MSVOA_D

ClientSampleId :



#76

1,2,3-Trichloropropane

Concen: 38.413 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.147 min

Lab File: VD069822.D

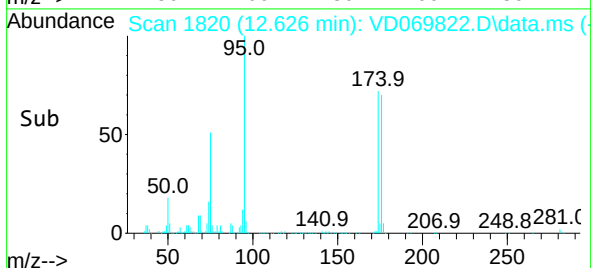
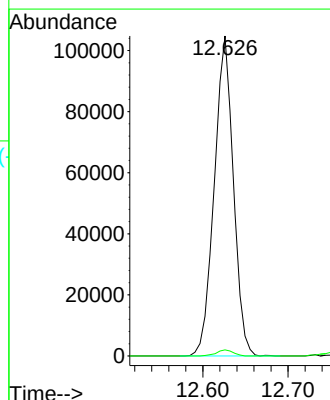
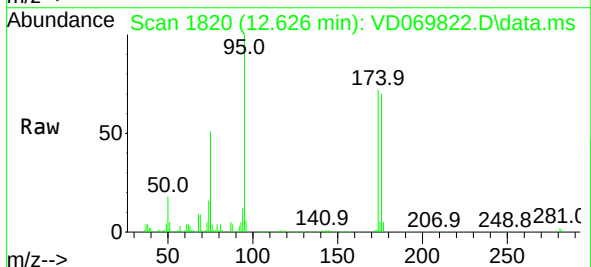
Acq: 23 Jul 2021 12:02

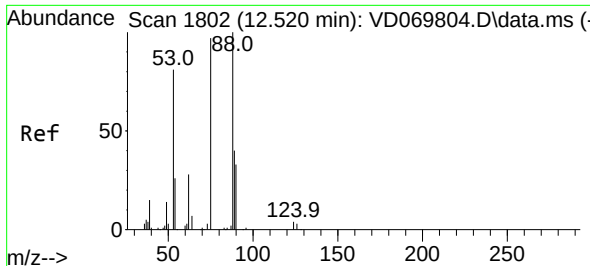
Tgt Ion: 75 Resp: 163352

Ion Ratio Lower Upper

75 100

77 1.7 181.5 544.5#

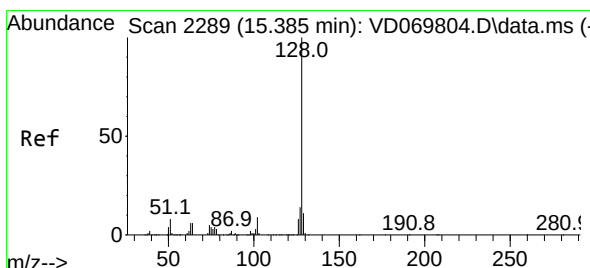
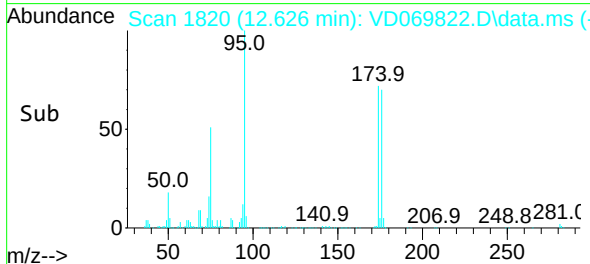
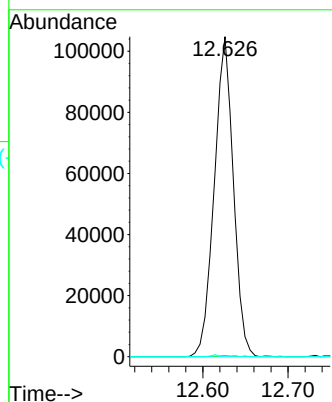
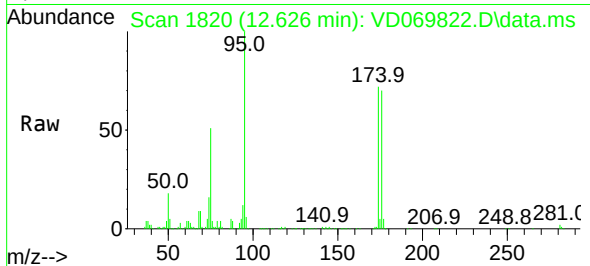




#81
trans-1,4-Dichloro-2-butene
Concen: 116.536 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 163352
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 0.2 35.8 53.6#



#95
Naphthalene
Concen: 5.198 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.011 min
Lab File: VD069822.D
Acq: 23 Jul 2021 12:02

Tgt Ion: 128 Resp: 2895
Ion Ratio Lower Upper
128 100
127 14.1 10.6 16.0
129 3.1 8.6 12.8#

