

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069572.D
 Acq On : 25 Jun 2021 18:11
 Operator : VA/SY
 Sample : M2857-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12-9.5-10.0

Quant Time: Jun 26 03:41:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

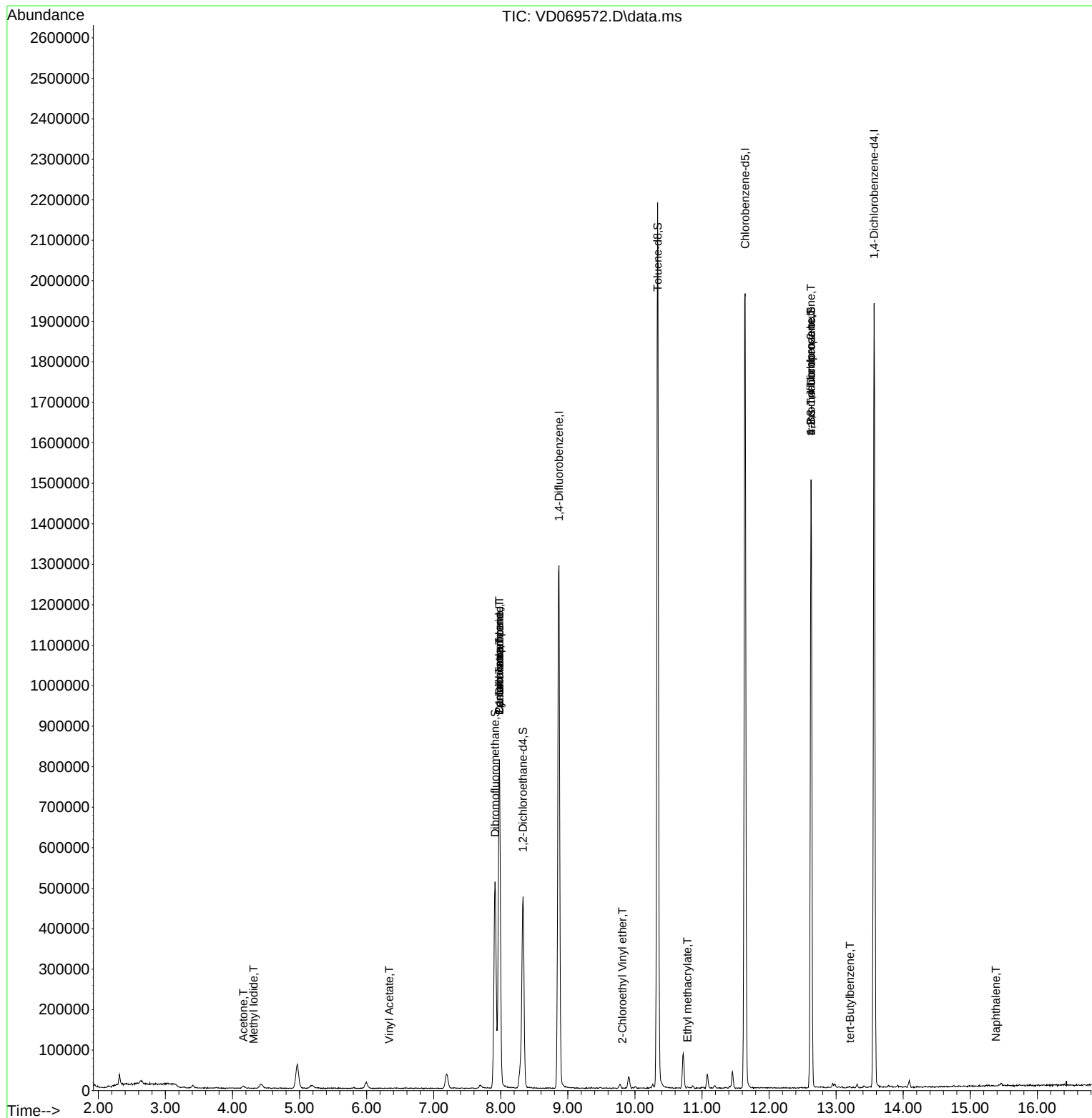
Internal Standards						
1) Pentafluorobenzene	7.979	168	548382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1079085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1158151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	497317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	379607	55.535	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.060%			
35) Dibromofluoromethane	7.914	113	375132	51.427	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.860%			
50) Toluene-d8	10.338	98	1443486	52.757	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.520%			
62) 4-Bromofluorobenzene	12.626	95	495689	55.107	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.220%			
Target Compounds						
5) Bromomethane	2.785	94	1099	Below Cal	#	3
10) Methyl Iodide	4.315	142	148	3.964	ug/l #	39
11) Tert butyl alcohol	5.250	59	273	Below Cal	#	83
16) Acetone	4.162	43	9163	7.964	ug/l #	77
18) Methyl Acetate	4.720	43	93	Below Cal	#	49
20) Methylene Chloride	4.973	84	45481	Below Cal	#	88
23) Vinyl Acetate	6.338	43	54	19.016	ug/l #	70
31) Cyclohexane	7.979	56	13817	1.501	ug/l #	9
36) 1,1-Dichloropropene	7.979	75	53676	5.068	ug/l #	50
38) Carbon Tetrachloride	7.979	117	61446	5.862	ug/l #	15
56) Ethyl methacrylate	10.785	69	439	2.642	ug/l #	60
58) 2-Chloroethyl Vinyl ether	9.814	63	64	10.617	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	249829	51.176	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	249829	127.778	ug/l #	12
83) tert-Butylbenzene	13.208	119	203	2.000	ug/l #	52
95) Naphthalene	15.385	128	173	3.365	ug/l #	69

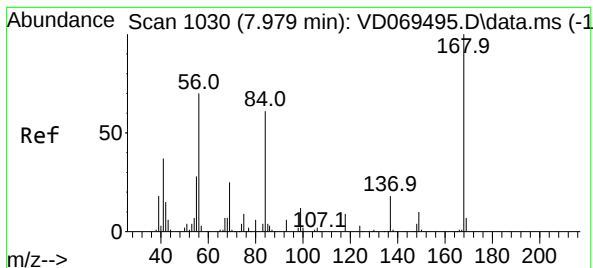
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD069572.D

Acq: 25 Jun 2021 18:11

Instrument :

MSVOA_D

ClientSampleId :

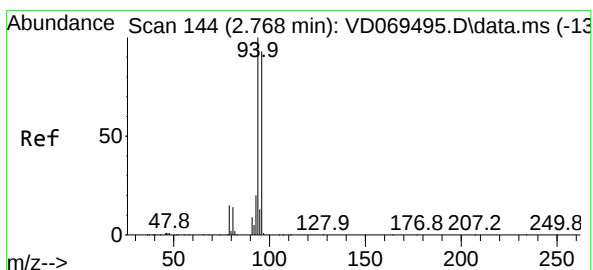
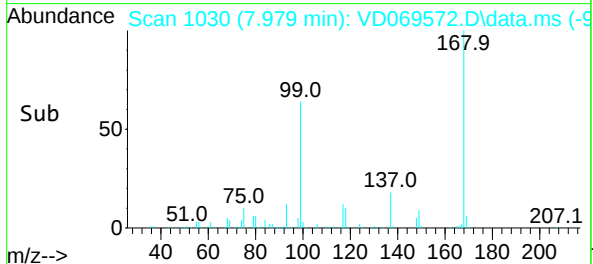
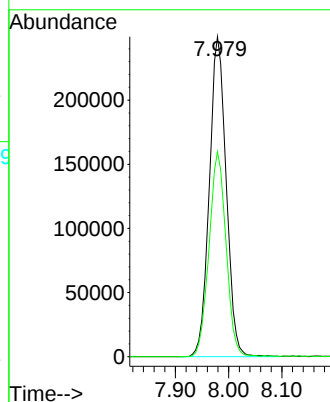
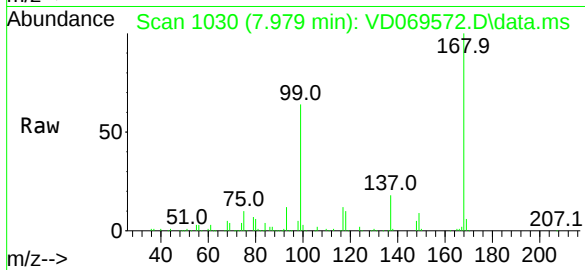
SB-12-9.5-10.0

Tgt Ion:168 Resp: 548382

Ion Ratio Lower Upper

168 100

99 64.0 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.785 min Scan# 147

Delta R.T. 0.017 min

Lab File: VD069572.D

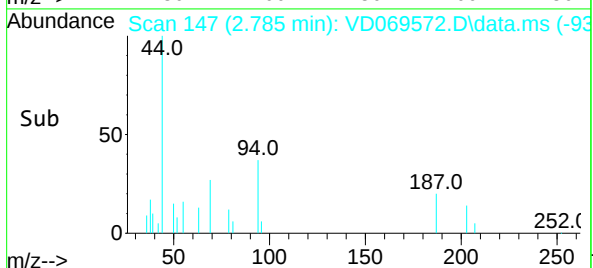
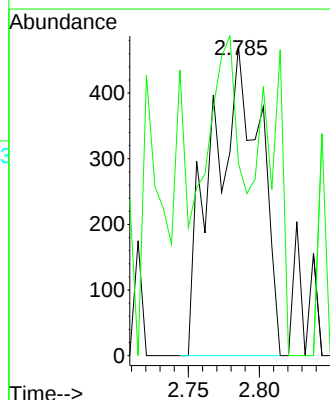
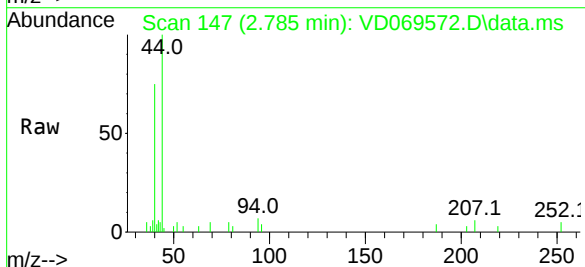
Acq: 25 Jun 2021 18:11

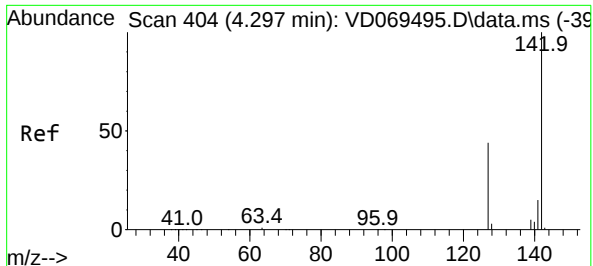
Tgt Ion: 94 Resp: 1099

Ion Ratio Lower Upper

94 100

96 0.0 74.6 111.8#

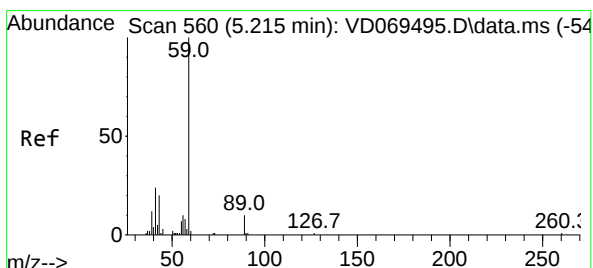
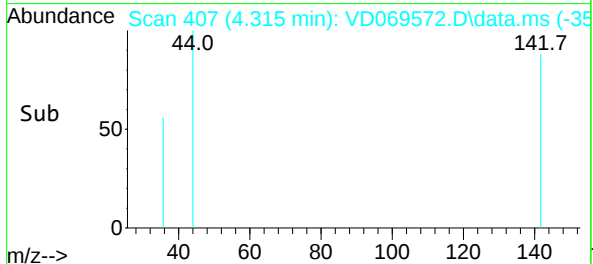
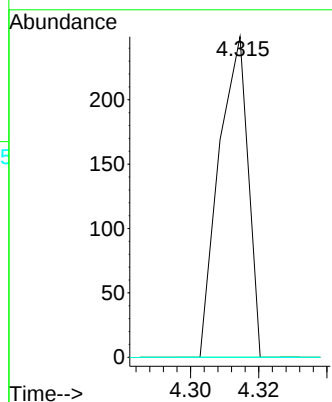
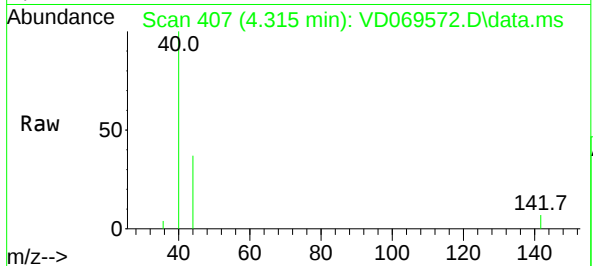




#10
Methyl Iodide
Concen: 3.964 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

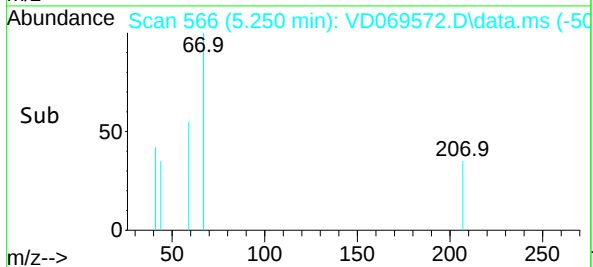
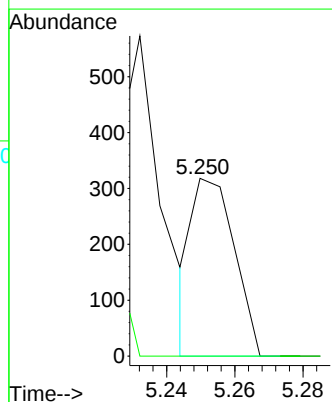
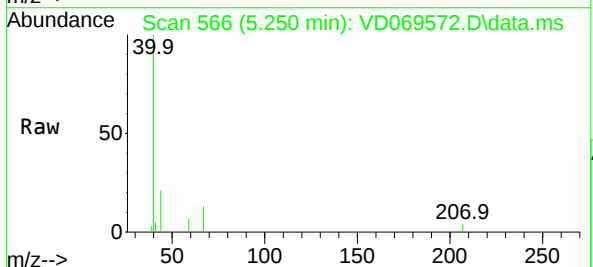
Instrument :
MSVOA_D
ClientSampleId :
SB-12-9.5-10.0

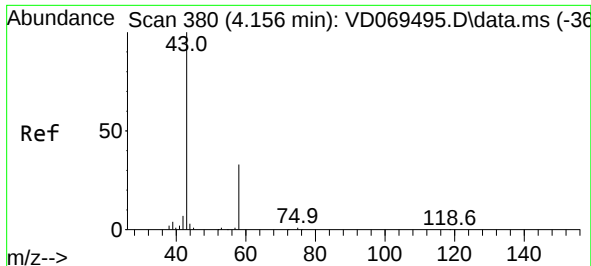
Tgt Ion:142 Resp: 148
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.250 min Scan# 566
Delta R.T. 0.035 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

Tgt Ion: 59 Resp: 273
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

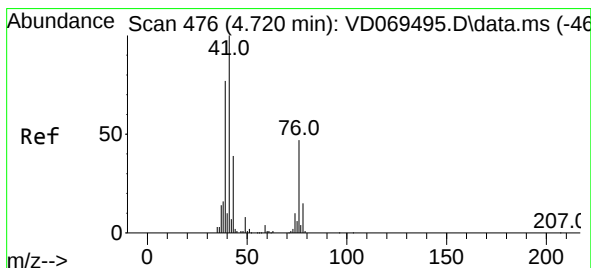
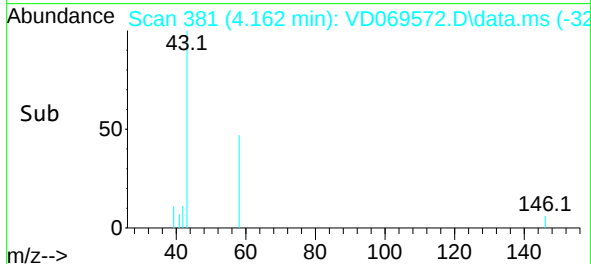
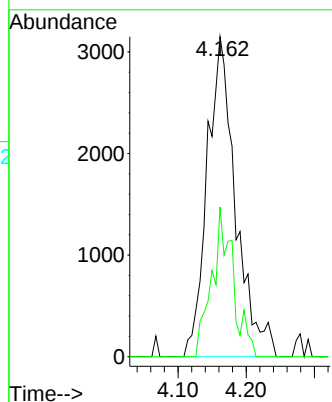
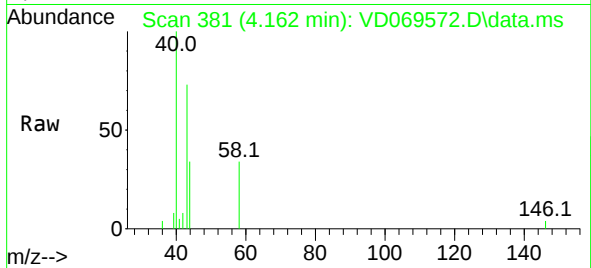




#16
Acetone
Concen: 7.964 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

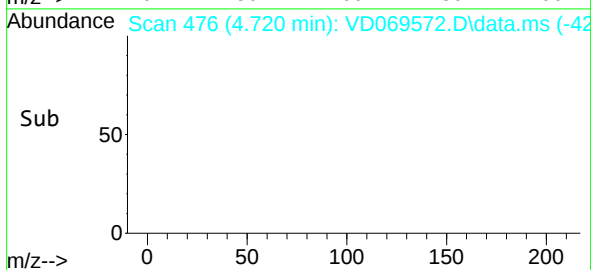
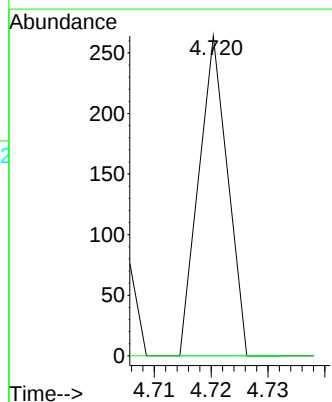
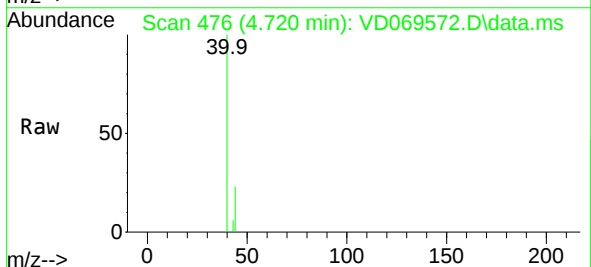
Instrument :
MSVOA_D
ClientSampleId :
SB-12-9.5-10.0

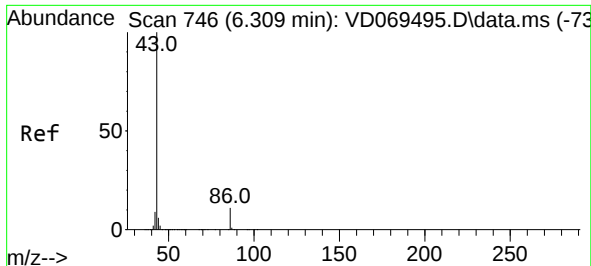
Tgt Ion: 43 Resp: 9163
Ion Ratio Lower Upper
43 100
58 46.8 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

Tgt Ion: 43 Resp: 93
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

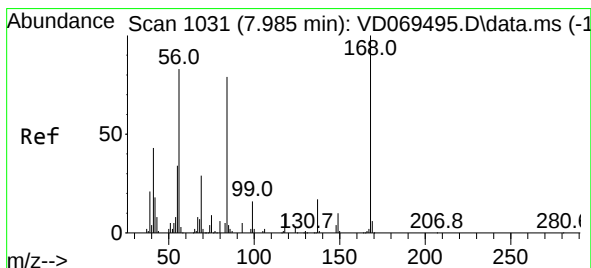
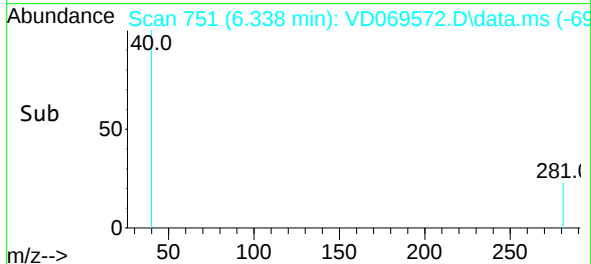
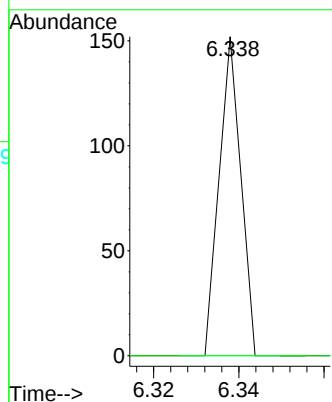
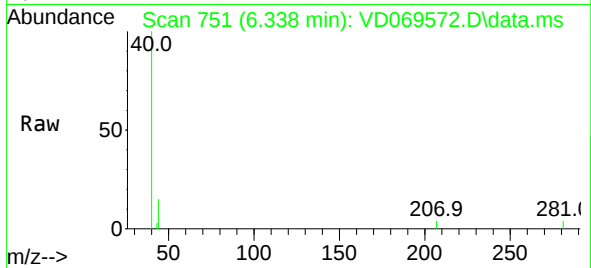




#23
 Vinyl Acetate
 Concen: 19.016 ug/l
 RT: 6.338 min Scan# 751
 Delta R.T. 0.029 min
 Lab File: VD069572.D
 Acq: 25 Jun 2021 18:11

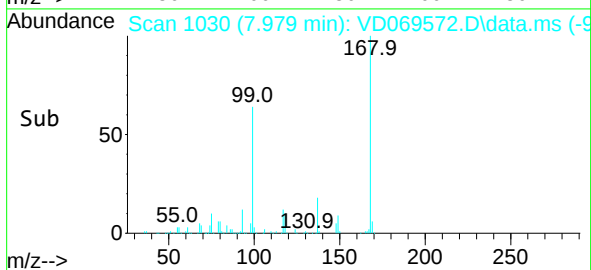
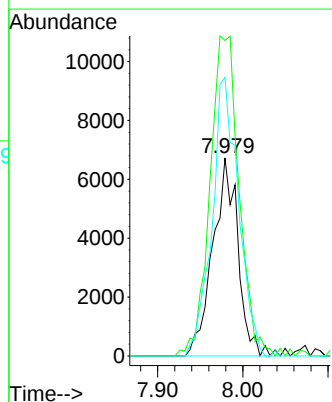
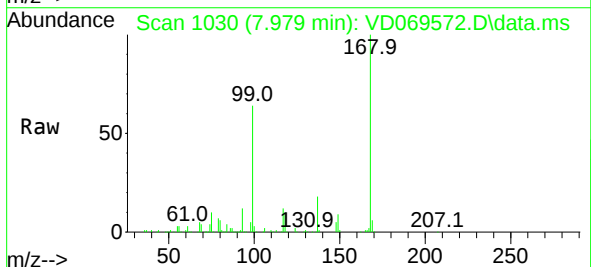
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12-9.5-10.0

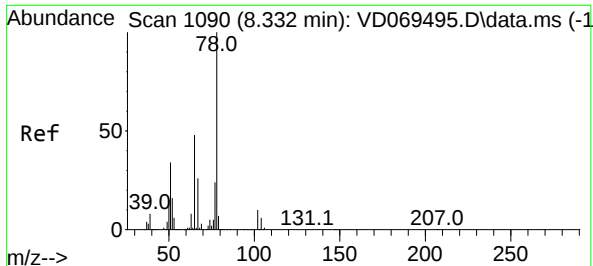
Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#31
 Cyclohexane
 Concen: 1.501 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069572.D
 Acq: 25 Jun 2021 18:11

Tgt Ion: 56 Resp: 13817
 Ion Ratio Lower Upper
 56 100
 69 156.3 28.0 42.0#
 84 140.6 75.7 113.5#

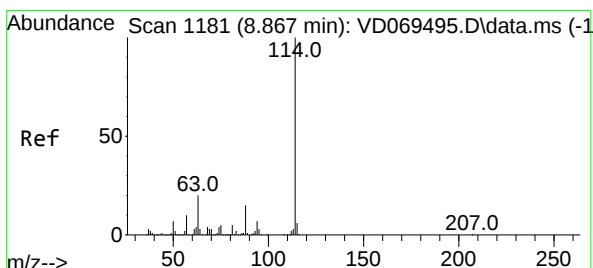
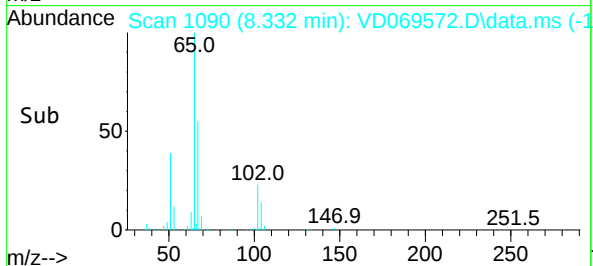
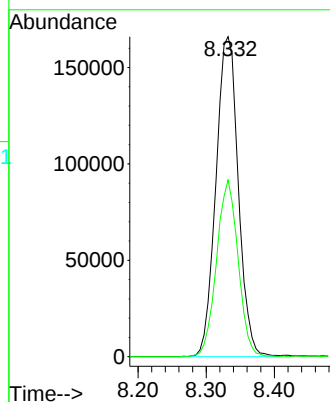
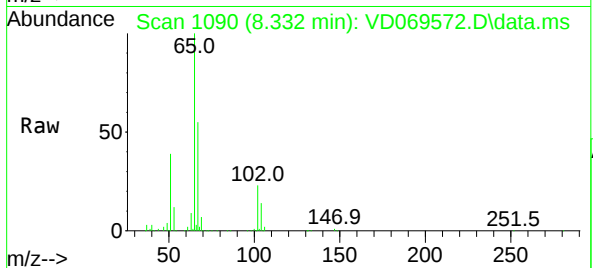




#33
1,2-Dichloroethane-d4
Concen: 55.535 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

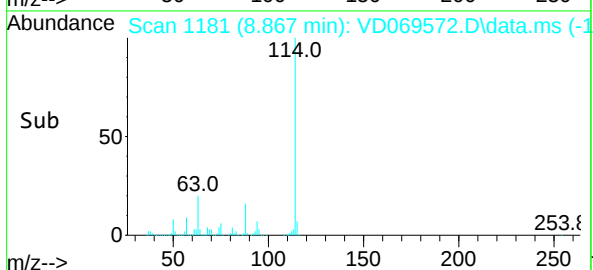
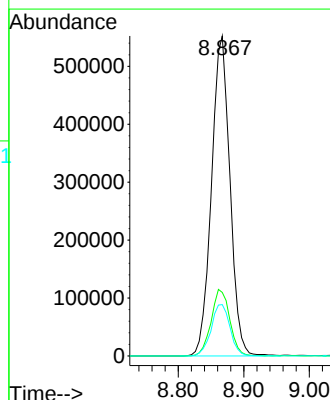
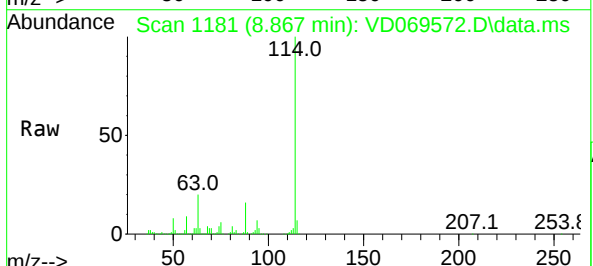
Instrument :
MSVOA_D
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SB-12-9.5-10.0

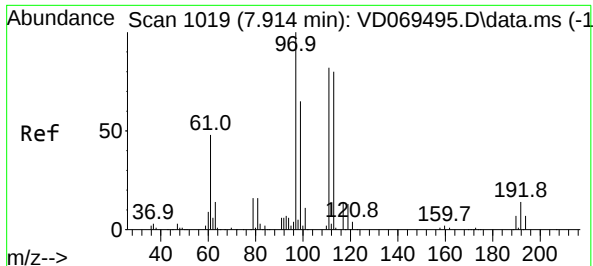
Tgt Ion: 65 Resp: 379607
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

Tgt Ion:114 Resp: 1079085
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.6
88 16.0 0.0 29.8





#35

Dibromofluoromethane

Concen: 51.427 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069572.D

Acq: 25 Jun 2021 18:11

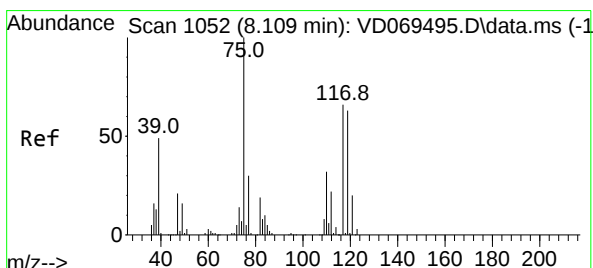
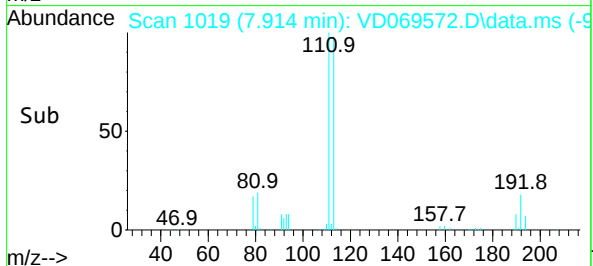
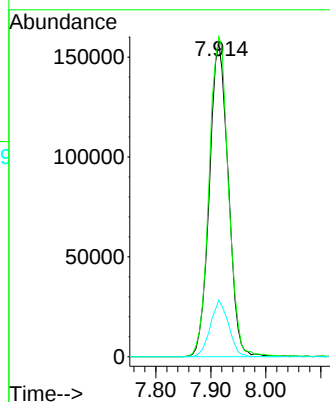
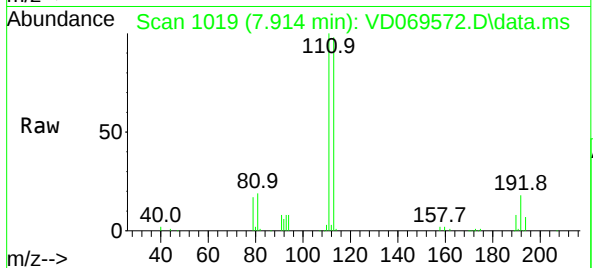
Tgt Ion:113 Resp: 375132

Ion Ratio Lower Upper

113 100

111 104.4 81.8 122.8

192 17.3 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.068 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069572.D

Acq: 25 Jun 2021 18:11

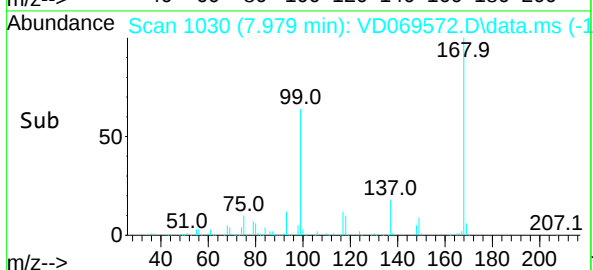
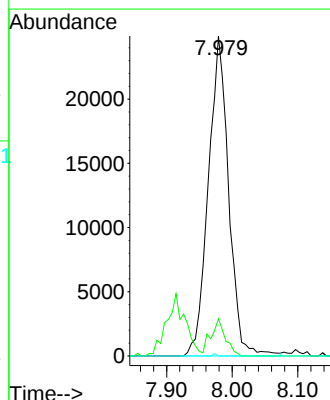
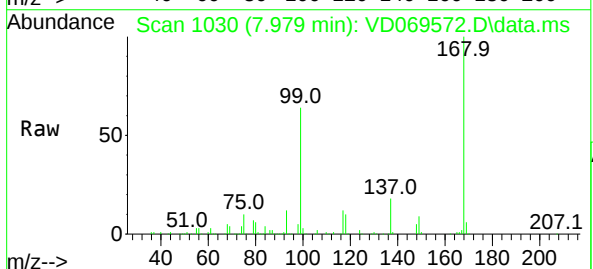
Tgt Ion: 75 Resp: 53676

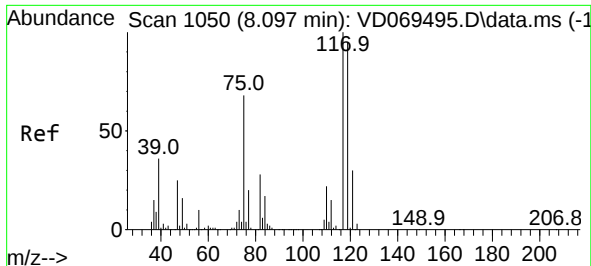
Ion Ratio Lower Upper

75 100

110 8.3 16.8 50.4#

77 0.1 24.3 36.5#



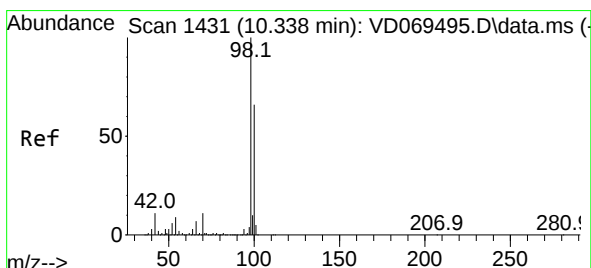
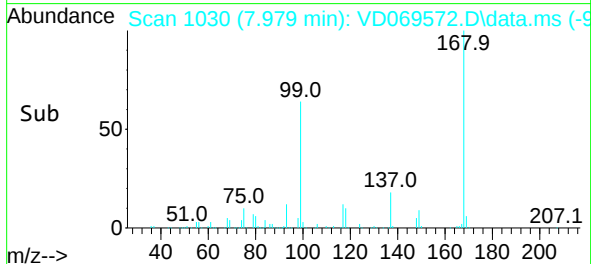
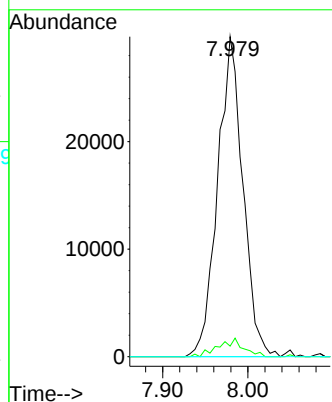
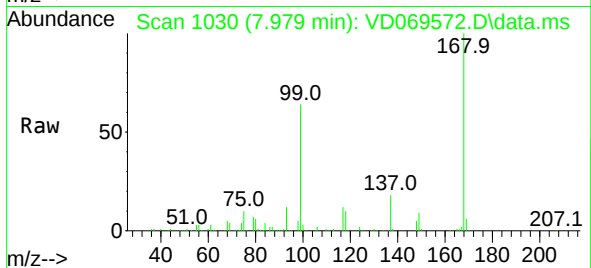


#38

Carbon Tetrachloride
Concen: 5.862 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

Instrument :
MSVOA_D
ClientSampleId :
SB-12-9.5-10.0

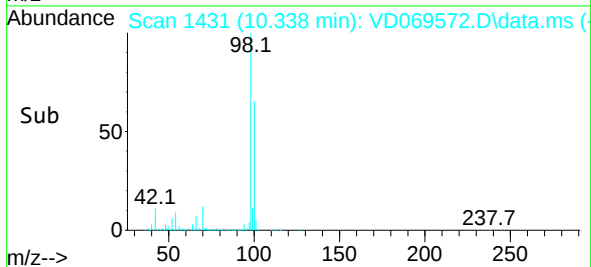
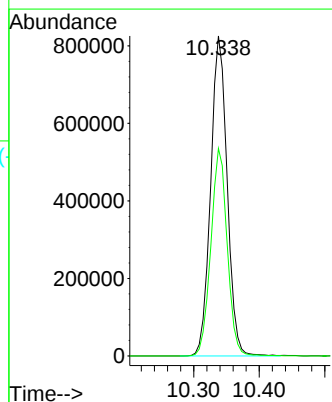
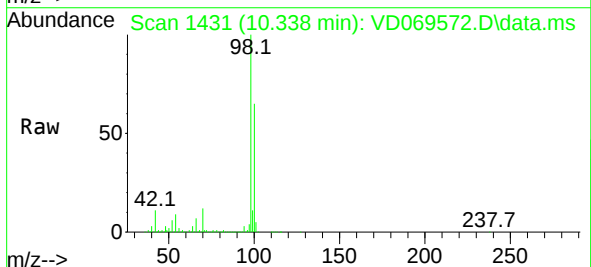
Tgt Ion:117 Resp: 61446
Ion Ratio Lower Upper
117 100
119 3.3 75.6 113.4#
121 0.0 23.8 35.8#

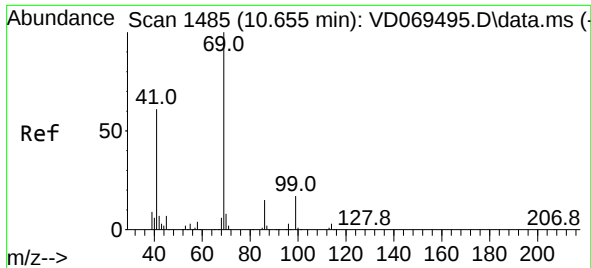


#50

Toluene-d8
Concen: 52.757 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

Tgt Ion: 98 Resp: 1443486
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5

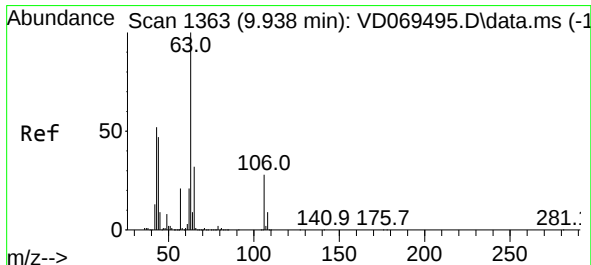
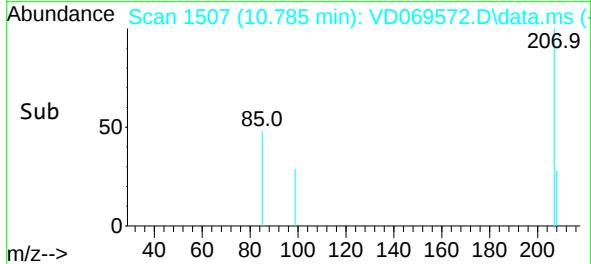
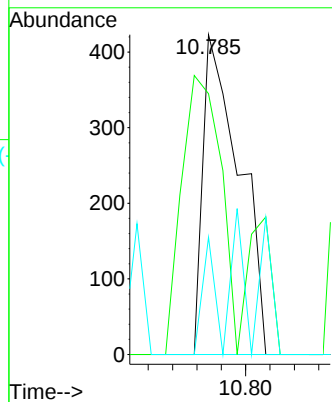
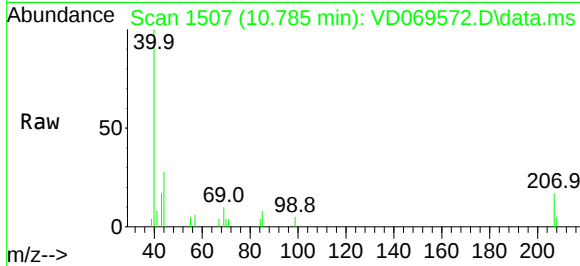




#56
Ethyl methacrylate
Concen: 2.642 ug/l
RT: 10.785 min Scan# 1507
Delta R.T. 0.130 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

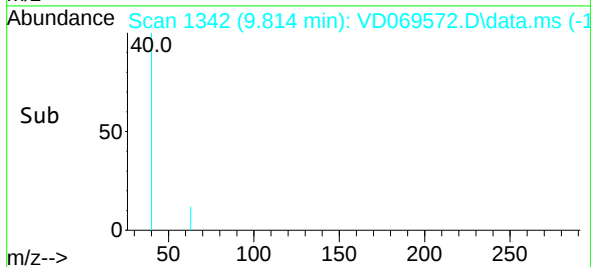
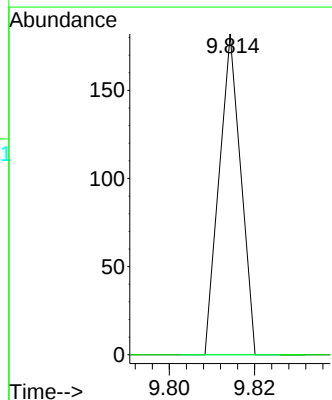
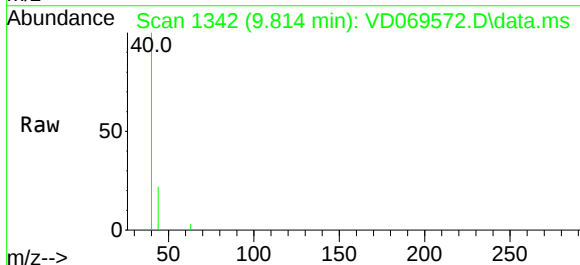
Instrument :
MSVOA_D
ClientSampleId :
SB-12-9.5-10.0

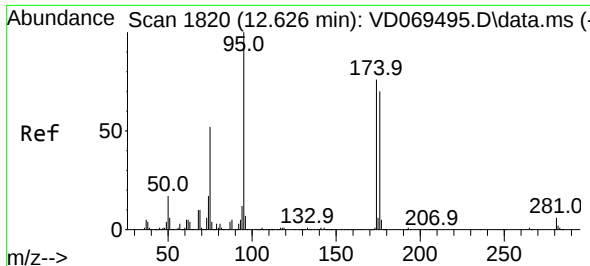
Tgt Ion: 69 Resp: 439
Ion Ratio Lower Upper
69 100
41 93.8 49.4 74.0#
39 12.5 26.9 40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.617 ug/l
RT: 9.814 min Scan# 1342
Delta R.T. -0.124 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

Tgt Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

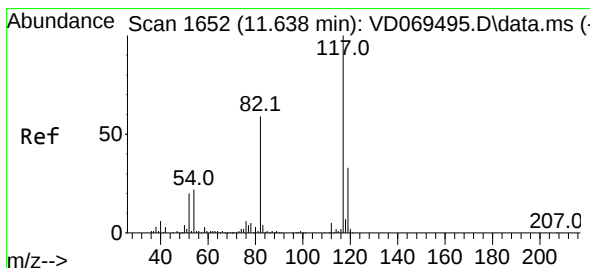
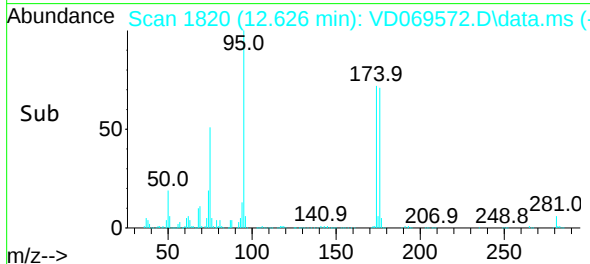
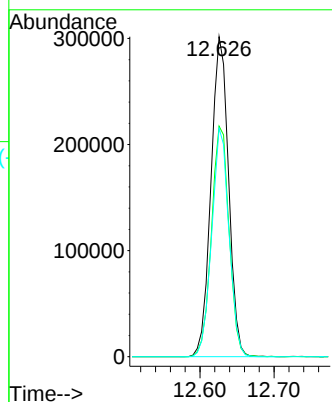
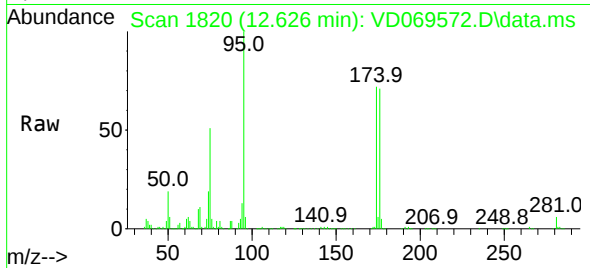




#62
4-Bromofluorobenzene
Concen: 55.107 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

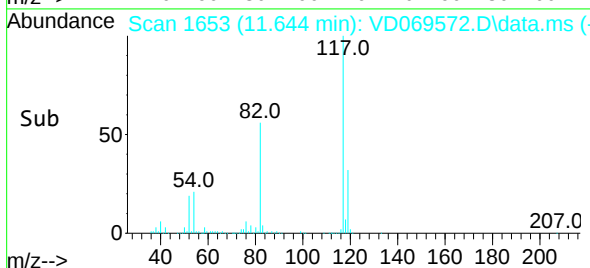
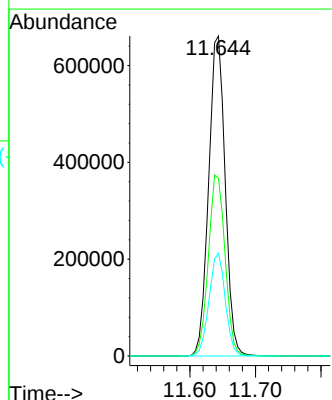
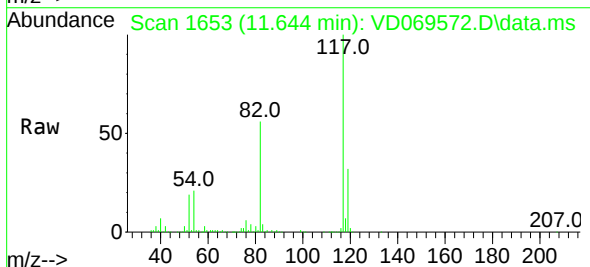
Instrument :
MSVOA_D
ClientSampleId :
SB-12-9.5-10.0

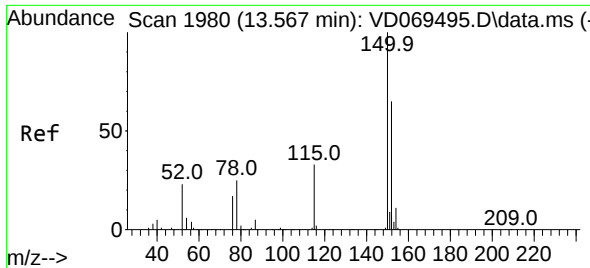
Tgt Ion: 95 Resp: 495689
Ion Ratio Lower Upper
95 100
174 72.3 0.0 148.0
176 70.0 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

Tgt Ion: 117 Resp: 1158151
Ion Ratio Lower Upper
117 100
82 55.6 46.8 70.2
119 32.1 26.2 39.2

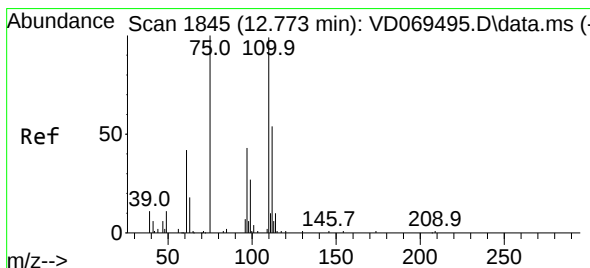
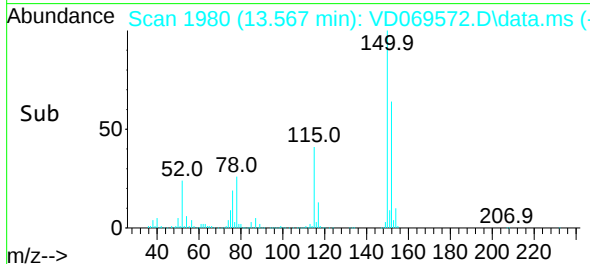
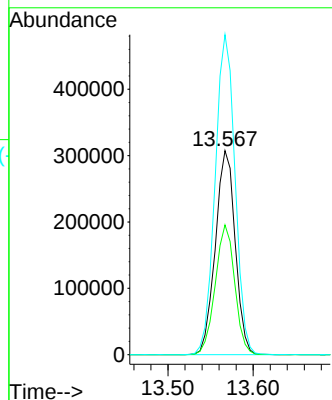
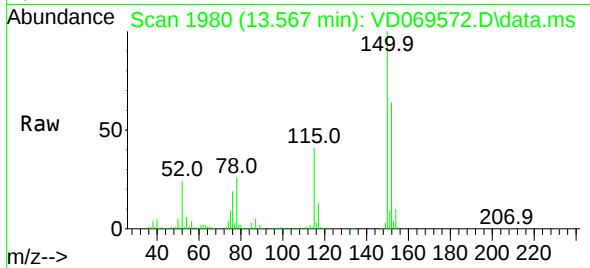




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069572.D
 Acq: 25 Jun 2021 18:11

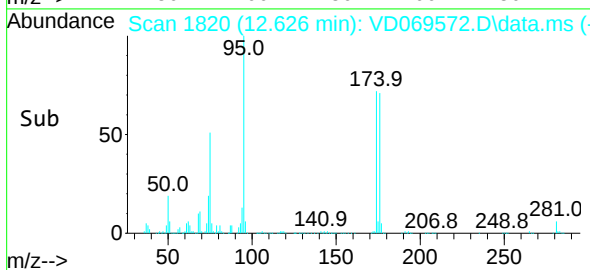
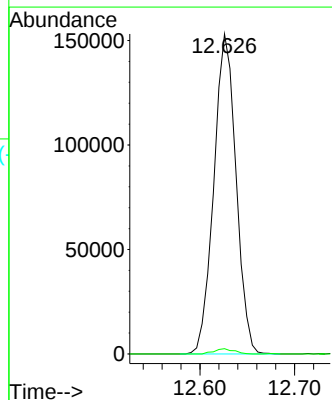
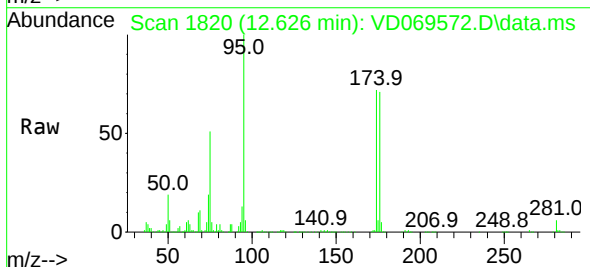
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12-9.5-10.0

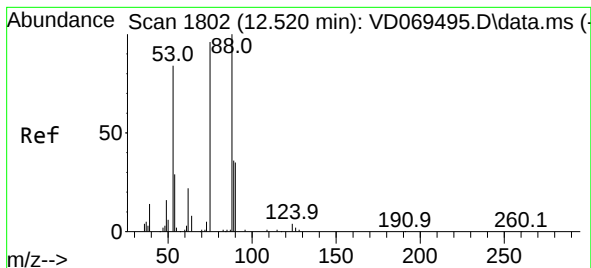
Tgt Ion:152 Resp: 497317
 Ion Ratio Lower Upper
 152 100
 115 62.6 31.7 95.1
 150 157.5 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 51.176 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069572.D
 Acq: 25 Jun 2021 18:11

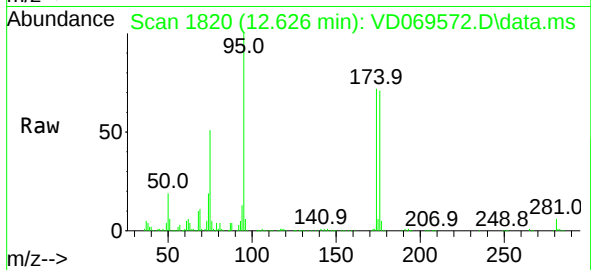
Tgt Ion: 75 Resp: 249829
 Ion Ratio Lower Upper
 75 100
 77 1.5 162.6 487.8#



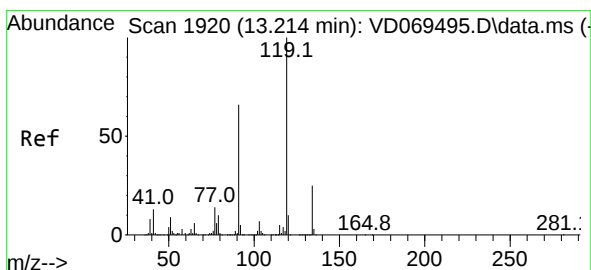
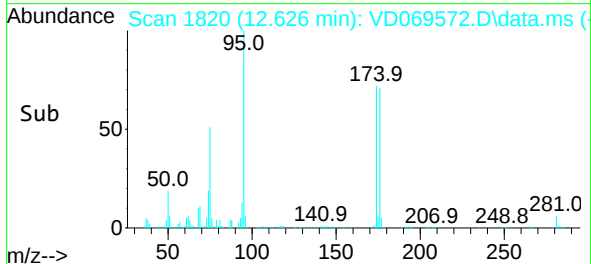
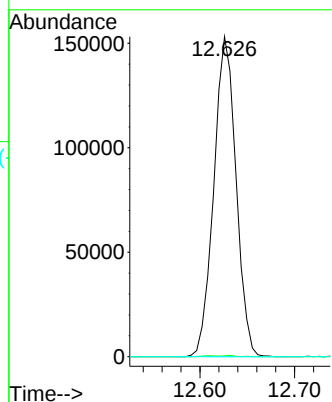


#81
trans-1,4-Dichloro-2-butene
Concen: 127.778 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

Instrument :
MSVOA_D
ClientSampleId :
SB-12-9.5-10.0

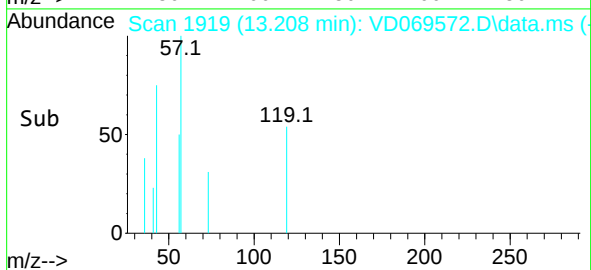
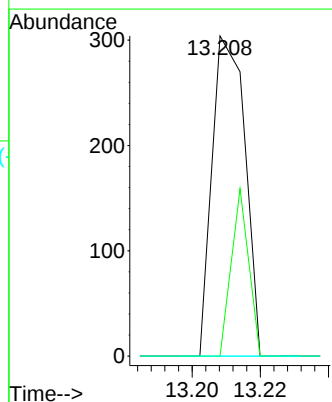
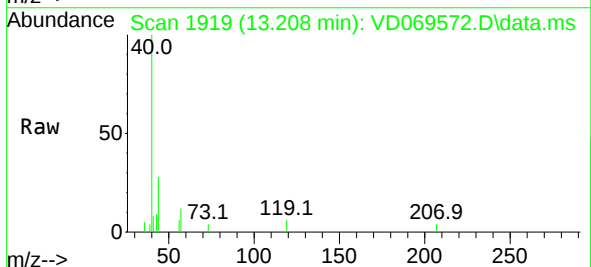


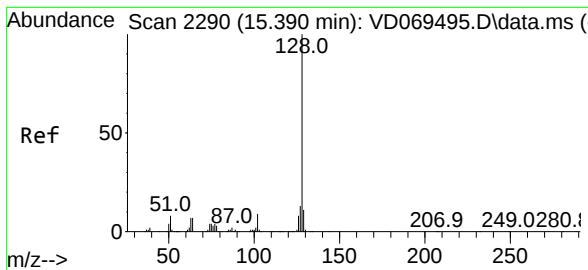
Tgt Ion: 75 Resp: 249829
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.0 35.3 52.9#



#83
tert-Butylbenzene
Concen: 2.000 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

Tgt Ion: 119 Resp: 203
Ion Ratio Lower Upper
119 100
91 27.6 32.5 97.4#
134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.365 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069572.D
Acq: 25 Jun 2021 18:11

Instrument :
MSVOA_D
ClientSampleId :
SB-12-9.5-10.0

Tgt Ion:128 Resp: 173
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

