

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070921\
 Data File : VD069654.D
 Acq On : 09 Jul 2021 18:55
 Operator : VA/SY
 Sample : M2990-16
 Misc : 4.82G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-E

Quant Time: Jul 10 02:56:48 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)

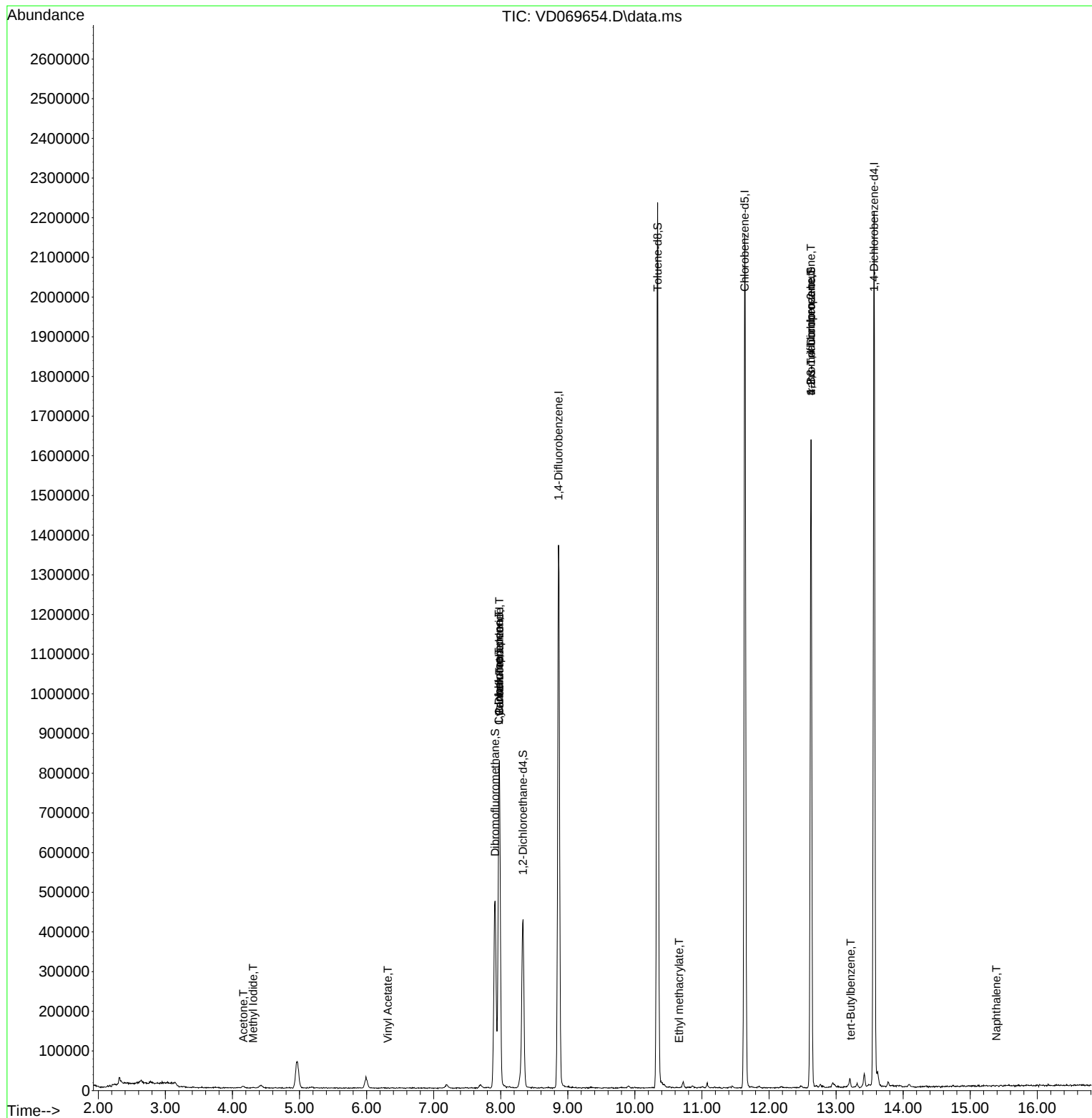
Internal Standards						
1) Pentafluorobenzene	7.979	168	586690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1130412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1230720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	564027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	339125	46.373	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.740%		
35) Dibromofluoromethane	7.914	113	357048	46.726	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.460%		
50) Toluene-d8	10.338	98	1477929	51.564	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.120%		
62) 4-Bromofluorobenzene	12.626	95	557674	59.183	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	118.360%		
Target Compounds						Qvalue
5) Bromomethane	2.779	94	3021	Below Cal		91
10) Methyl Iodide	4.309	142	1865	4.220 ug/l #		85
11) Tert butyl alcohol	5.191	59	2061	Below Cal #		83
16) Acetone	4.162	43	6369	5.174 ug/l		97
18) Methyl Acetate	4.738	43	135	Below Cal #		49
23) Vinyl Acetate	6.314	43	215	19.030 ug/l #		70
31) Cyclohexane	7.973	56	15581	1.582 ug/l #		1
36) 1,1-Dichloropropene	7.973	75	55032	4.960 ug/l #		50
38) Carbon Tetrachloride	7.979	117	65034	5.923 ug/l #		16
56) Ethyl methacrylate	10.661	69	373	2.631 ug/l #		59
76) 1,2,3-Trichloropropane	12.626	75	283657	51.233 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	283657	127.921 ug/l #		12
83) tert-Butylbenzene	13.220	119	717	2.016 ug/l #		35
95) Naphthalene	15.390	128	722	3.393 ug/l #		85

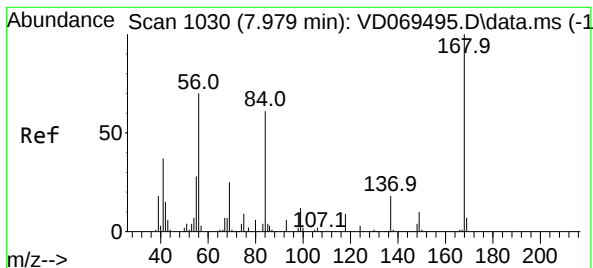
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD069654.D

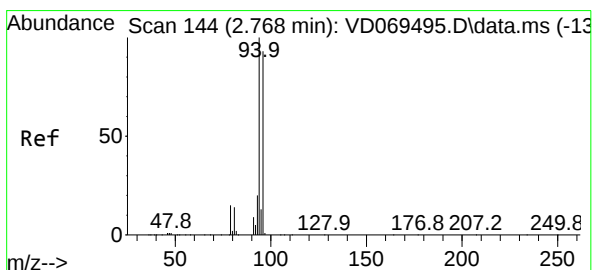
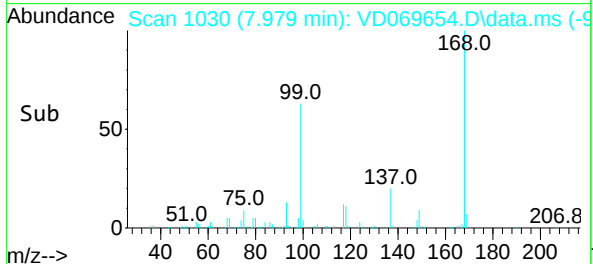
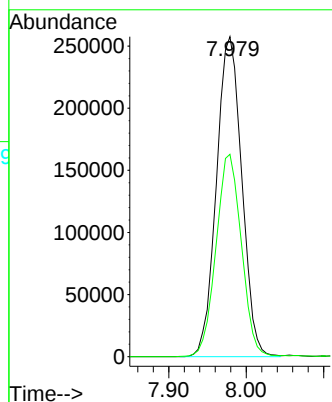
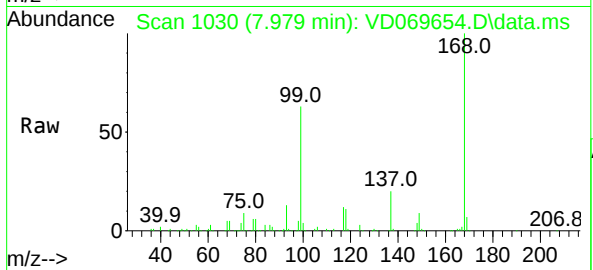
Acq: 09 Jul 2021 18:55

Tgt Ion:168 Resp: 586690

Ion Ratio Lower Upper

168 100

99 63.1 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.011 min

Lab File: VD069654.D

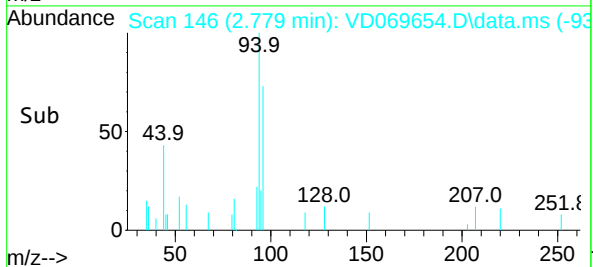
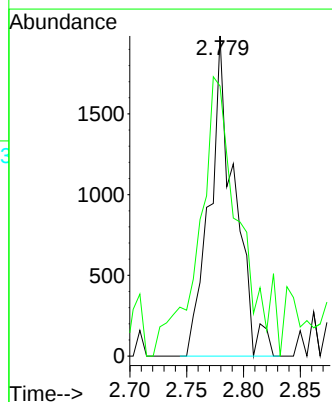
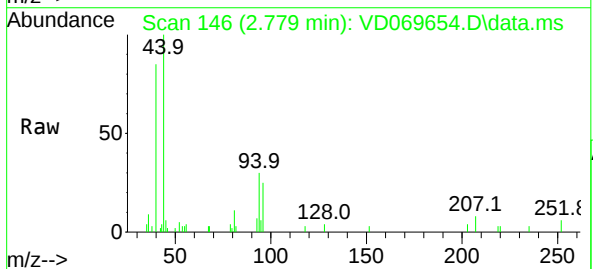
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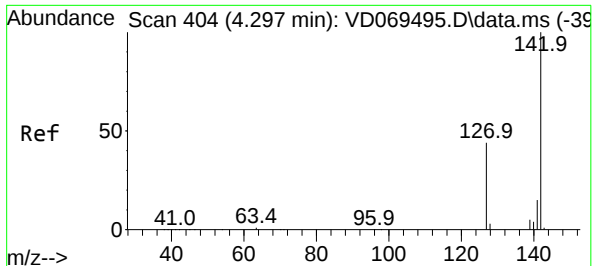
Tgt Ion: 94 Resp: 3021

Ion Ratio Lower Upper

94 100

96 84.4 74.6 111.8

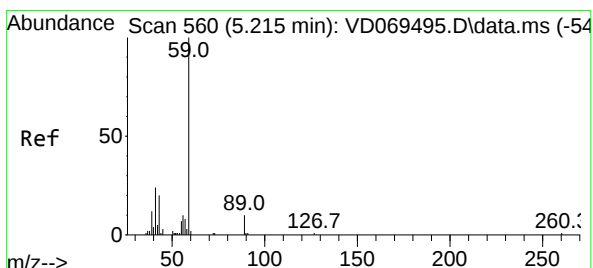
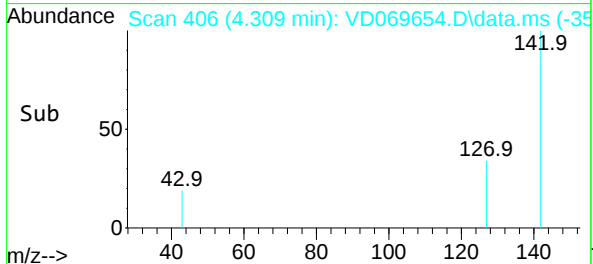
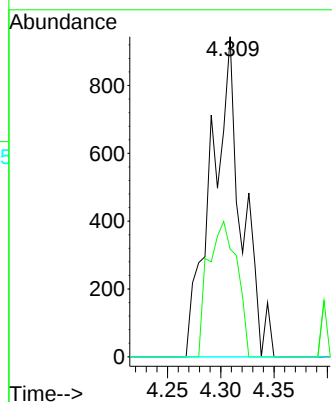
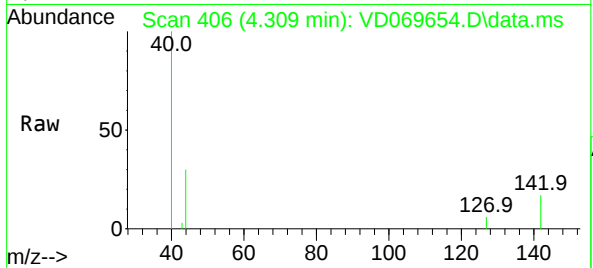




#10
Methyl Iodide
Concen: 4.220 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

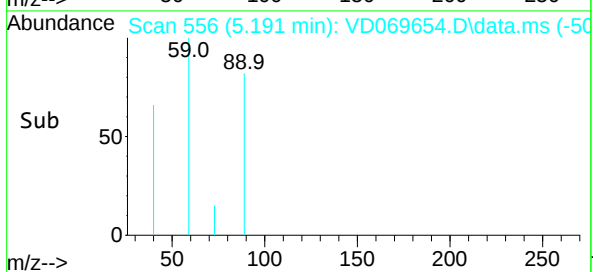
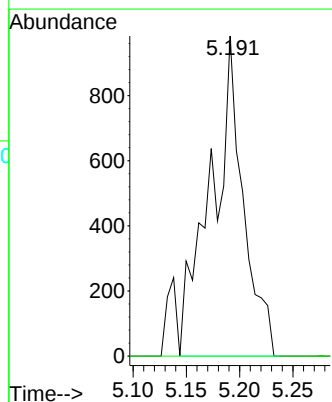
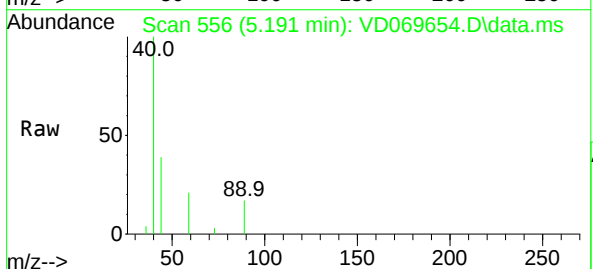
Instrument :
MSVOA_D
ClientSampled :
TP-E

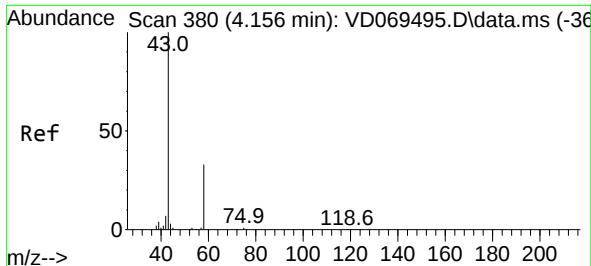
Tgt Ion:142 Resp: 1865
Ion Ratio Lower Upper
142 100
127 40.1 36.5 54.7
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.191 min Scan# 556
Delta R.T. -0.024 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

Tgt Ion: 59 Resp: 2061
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

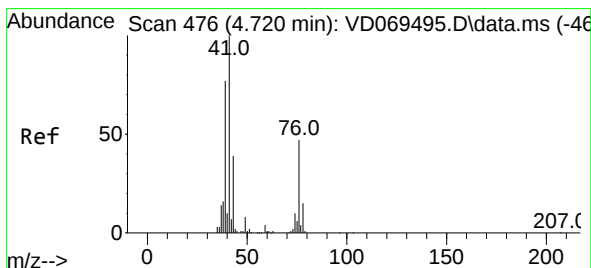
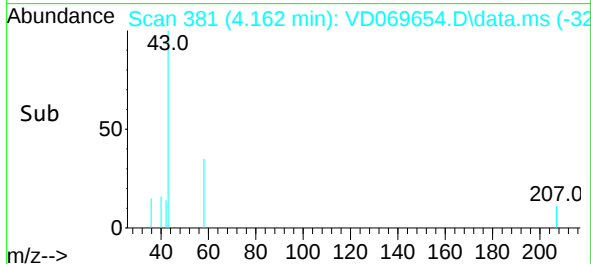
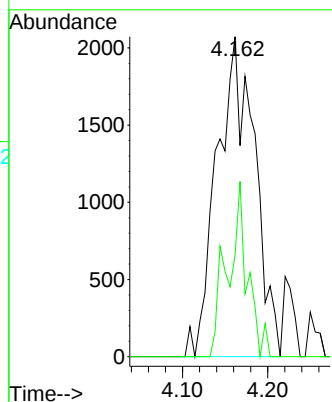
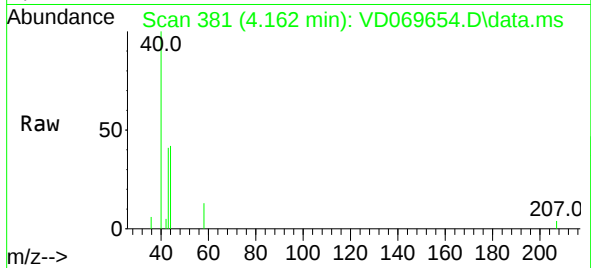




#16
Acetone
Concen: 5.174 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

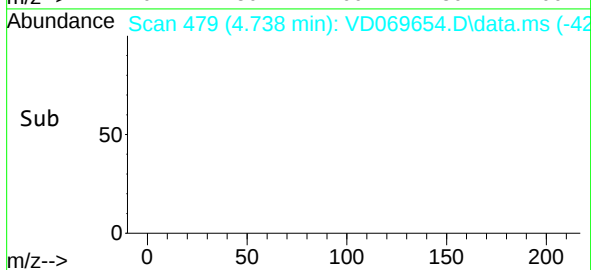
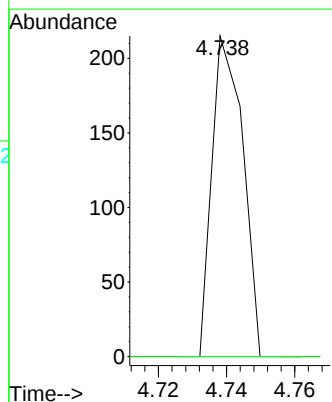
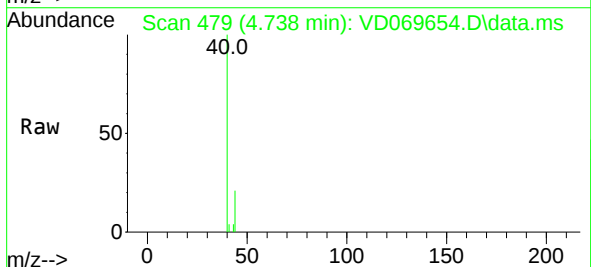
Instrument :
MSVOA_D
ClientSampled :
TP-E

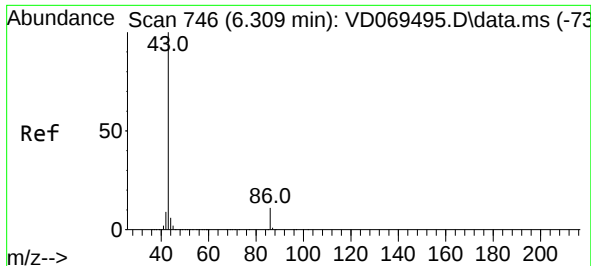
Tgt Ion: 43 Resp: 6369
Ion Ratio Lower Upper
43 100
58 31.8 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.738 min Scan# 479
Delta R.T. 0.018 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

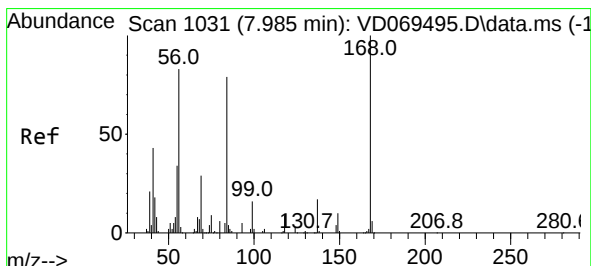
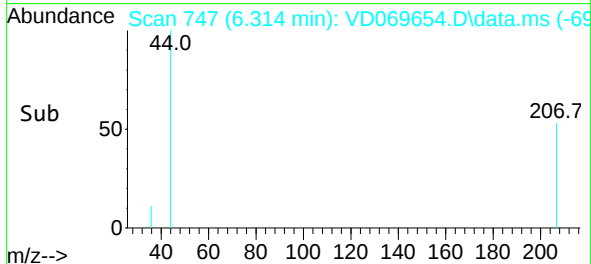
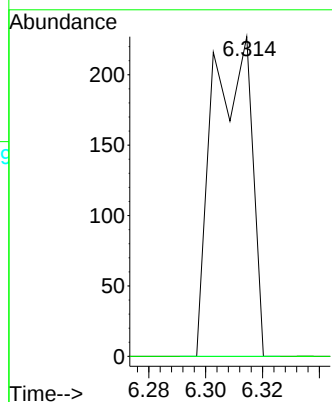
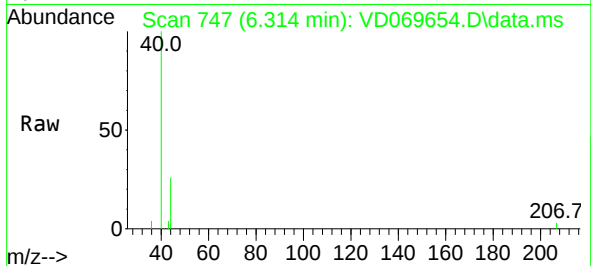




#23
 Vinyl Acetate
 Concen: 19.030 ug/l
 RT: 6.314 min Scan# 747
 Delta R.T. 0.005 min
 Lab File: VD069654.D
 Acq: 09 Jul 2021 18:55

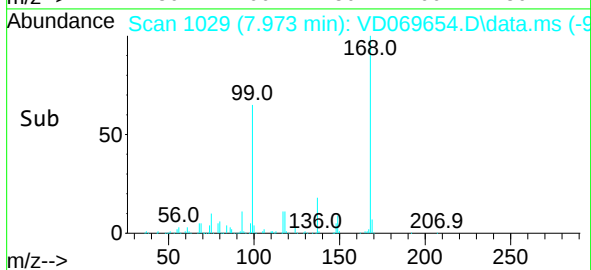
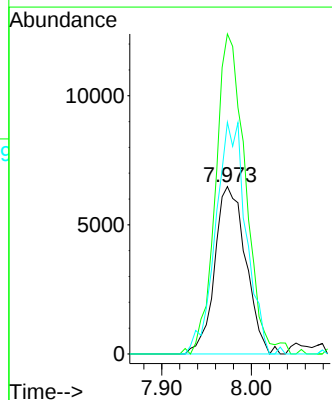
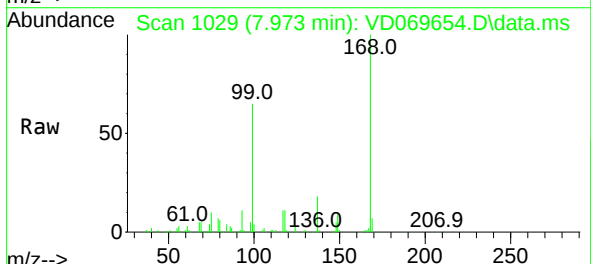
Instrument :
 MSVOA_D
 ClientSampled :
 TP-E

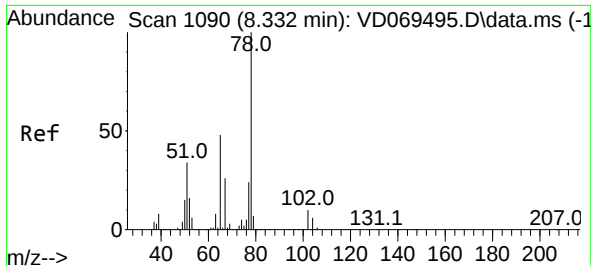
Tgt Ion: 43 Resp: 215
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#31
 Cyclohexane
 Concen: 1.582 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD069654.D
 Acq: 09 Jul 2021 18:55

Tgt Ion: 56 Resp: 15581
 Ion Ratio Lower Upper
 56 100
 69 191.2 28.0 42.0#
 84 138.4 75.7 113.5#

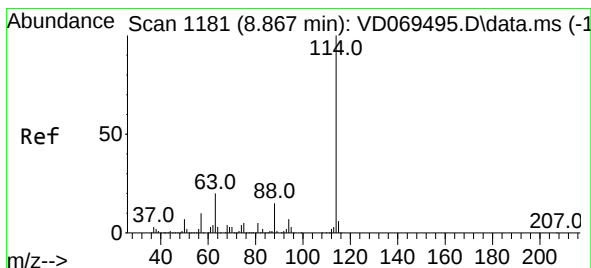
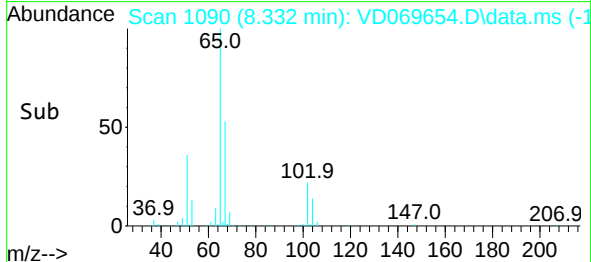
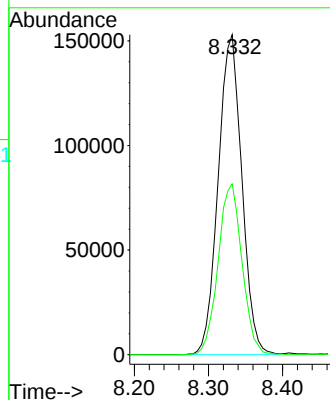
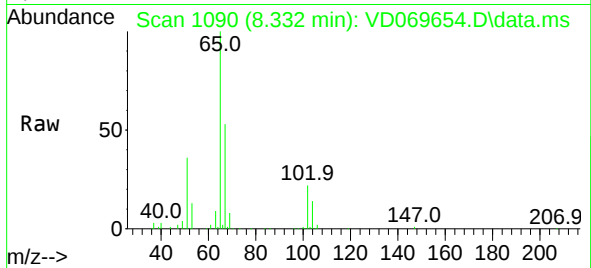




#33
1,2-Dichloroethane-d4
Concen: 46.373 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

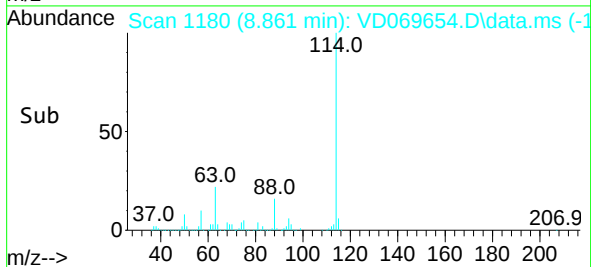
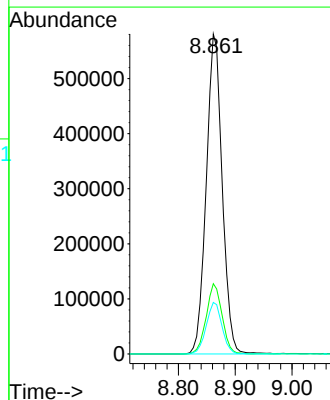
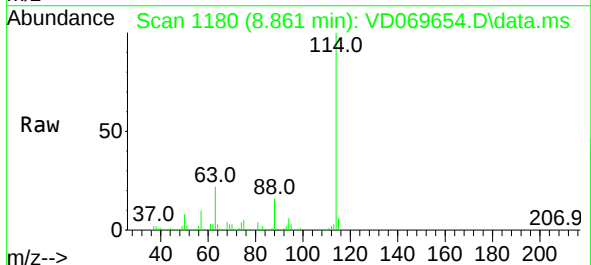
Instrument :
MSVOA_D
ClientSampled :
TP-E

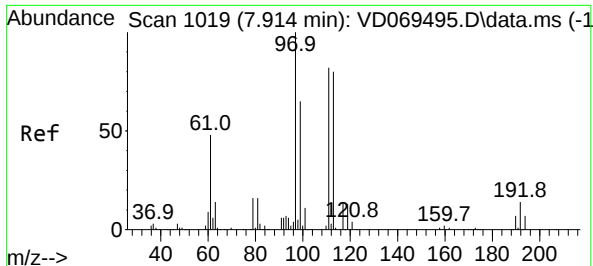
Tgt Ion: 65 Resp: 339125
Ion Ratio Lower Upper
65 100
67 54.0 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

Tgt Ion: 114 Resp: 1130412
Ion Ratio Lower Upper
114 100
63 22.0 0.0 39.6
88 16.1 0.0 29.8

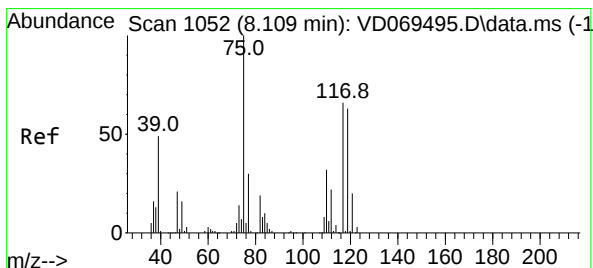
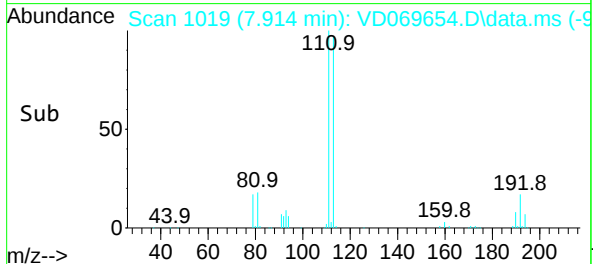
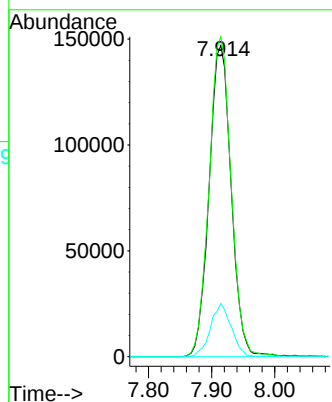
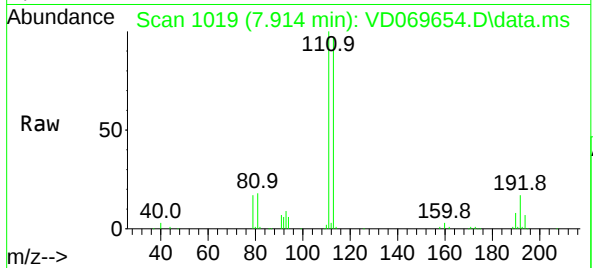




#35
Dibromofluoromethane
Concen: 46.726 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

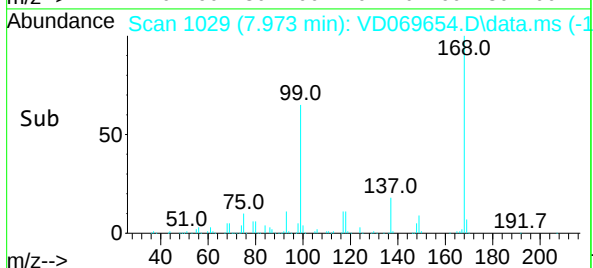
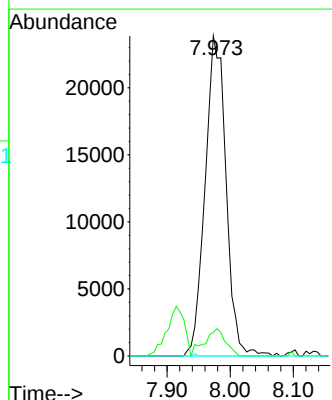
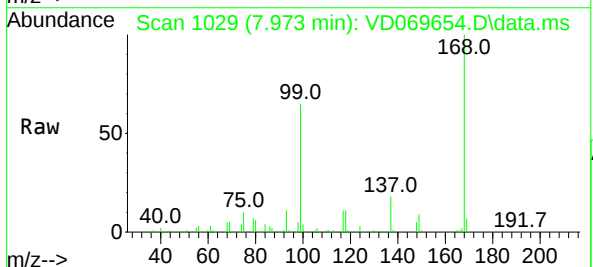
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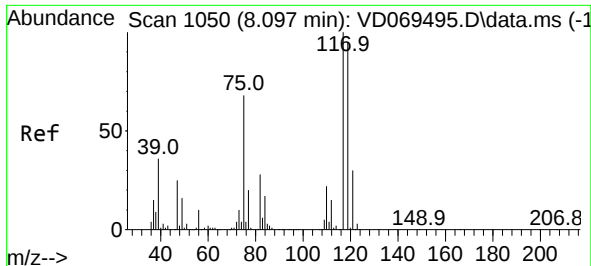
Tgt Ion:113 Resp: 357048
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.8
192 16.1 13.8 20.6



#36
1,1-Dichloropropene
Concen: 4.960 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

Tgt Ion: 75 Resp: 55032
Ion Ratio Lower Upper
75 100
110 8.5 16.8 50.4#
77 0.0 24.3 36.5#

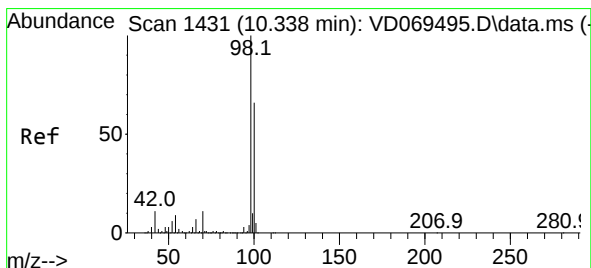
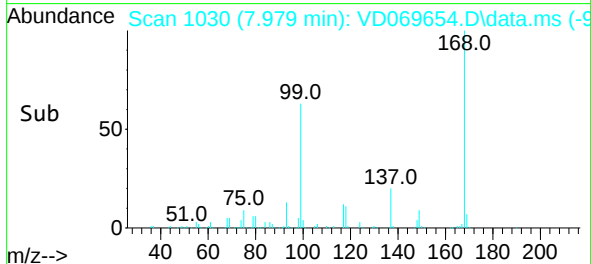
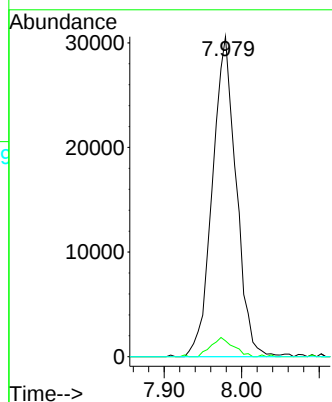
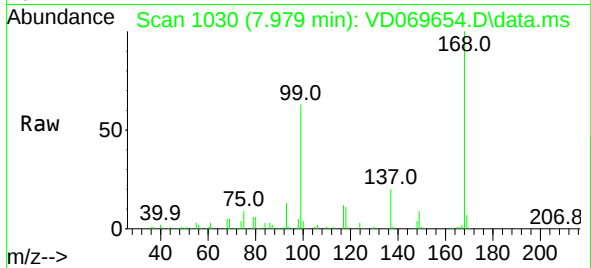




#38
Carbon Tetrachloride
Concen: 5.923 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

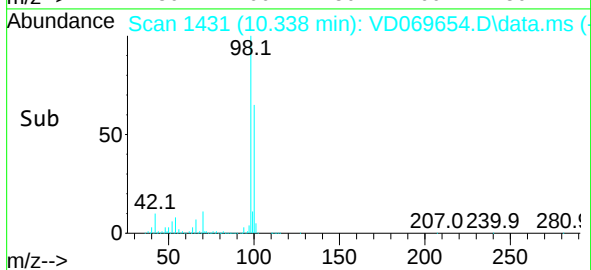
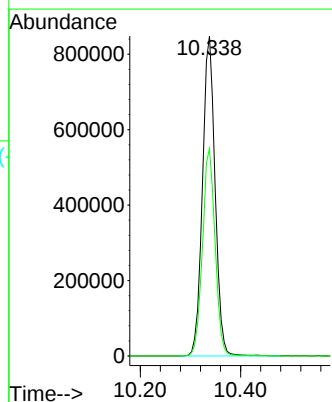
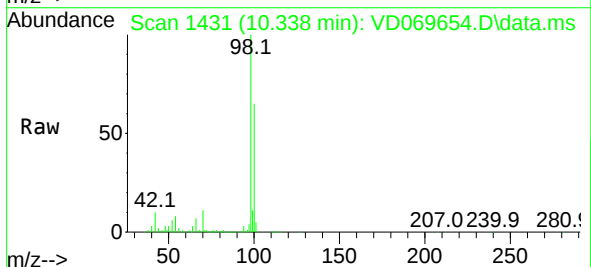
Instrument :
MSVOA_D
ClientSampled :
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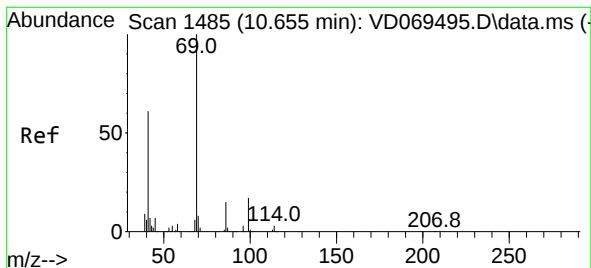
Tgt Ion:117 Resp: 65034
Ion Ratio Lower Upper
117 100
119 4.9 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 51.564 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

Tgt Ion: 98 Resp: 1477929
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5

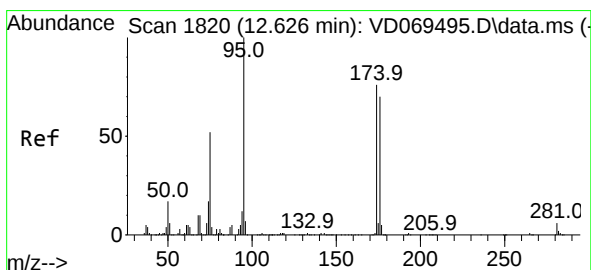
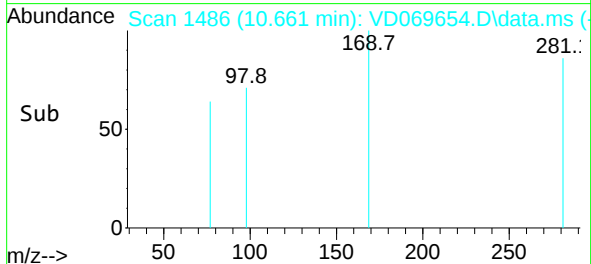
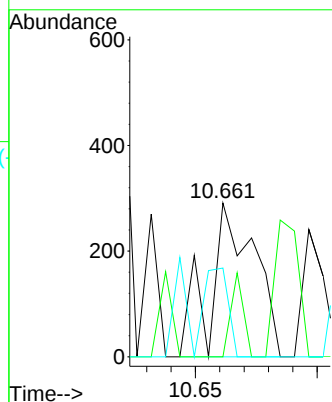
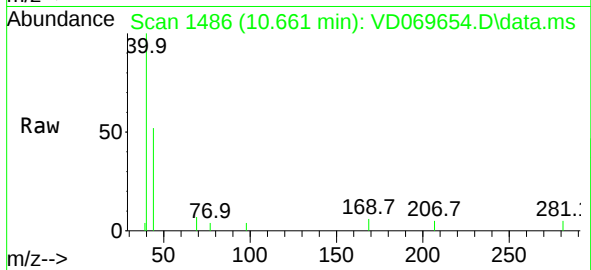




#56
Ethyl methacrylate
Concen: 2.631 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

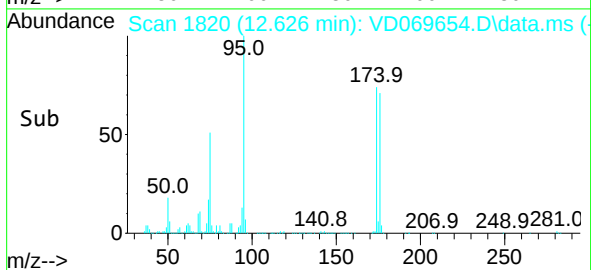
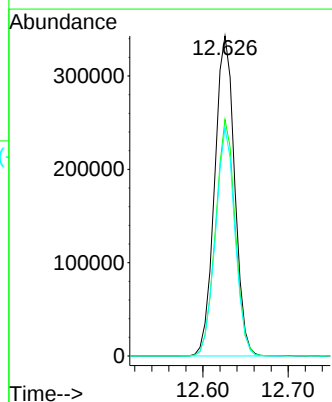
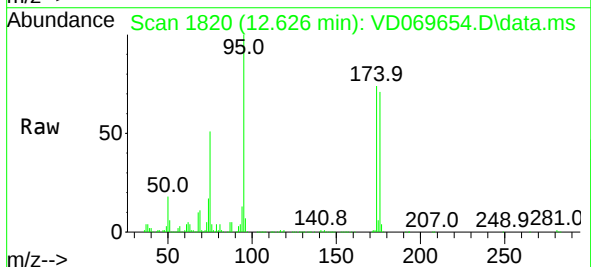
Instrument :
MSVOA_D
ClientSampled :
TP-E

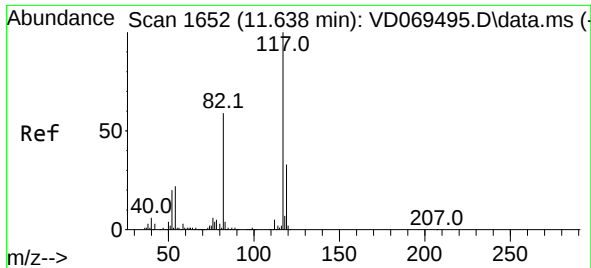
Tgt Ion: 69 Resp: 373
Ion Ratio Lower Upper
69 100
41 15.0 49.4 74.0#
39 31.4 26.9 40.3



#62
4-Bromofluorobenzene
Concen: 59.183 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

Tgt Ion: 95 Resp: 557674
Ion Ratio Lower Upper
95 100
174 72.7 0.0 148.0
176 69.6 0.0 139.8

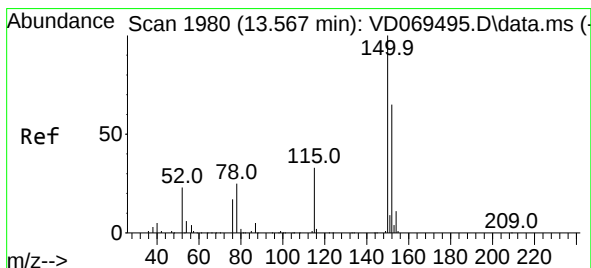
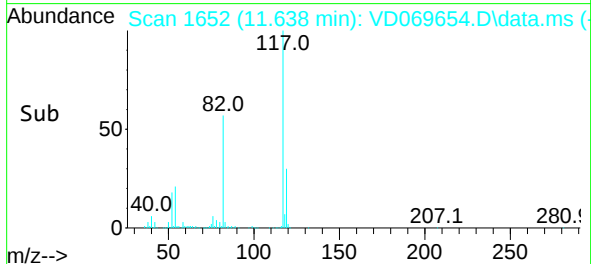
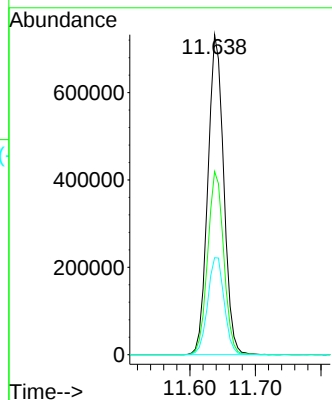
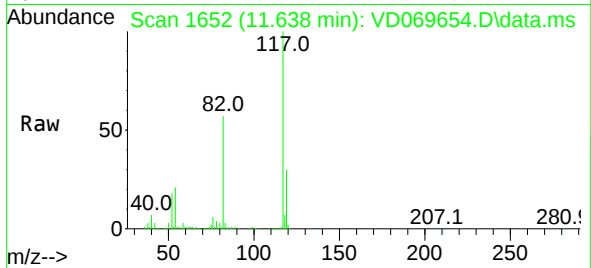




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

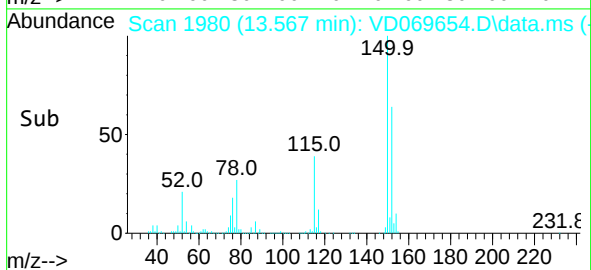
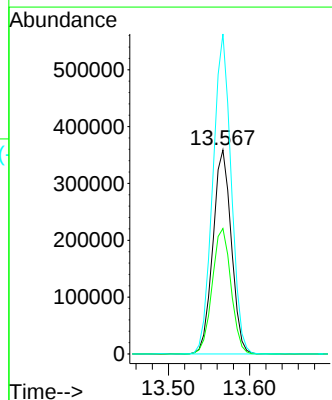
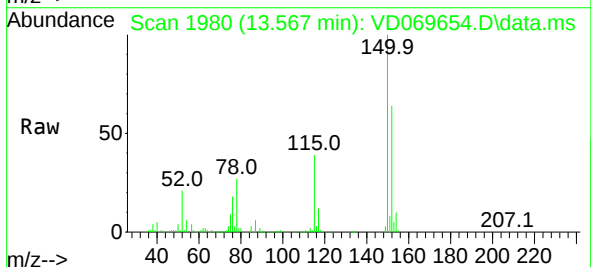
Instrument :
MSVOA_D
ClientSampleId :
TP-E

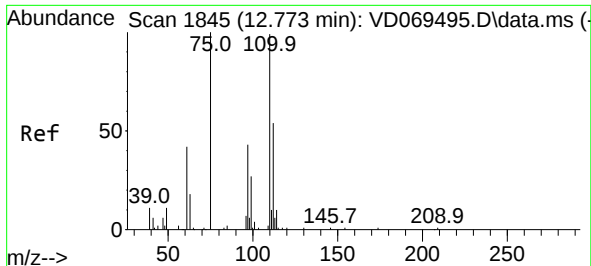
Tgt Ion:117 Resp: 1230720
Ion Ratio Lower Upper
117 100
82 57.2 46.8 70.2
119 30.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

Tgt Ion:152 Resp: 564027
Ion Ratio Lower Upper
152 100
115 62.9 31.7 95.1
150 156.2 0.0 350.8

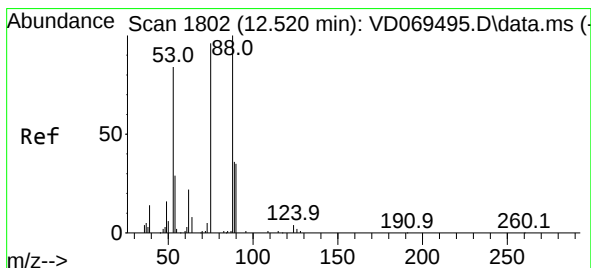
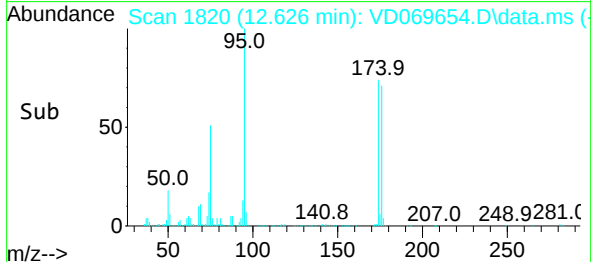
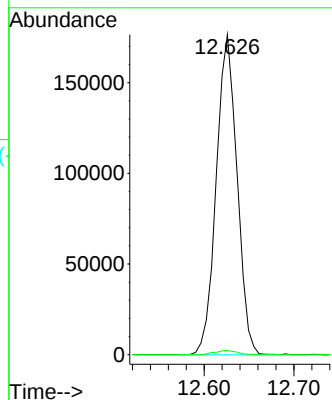
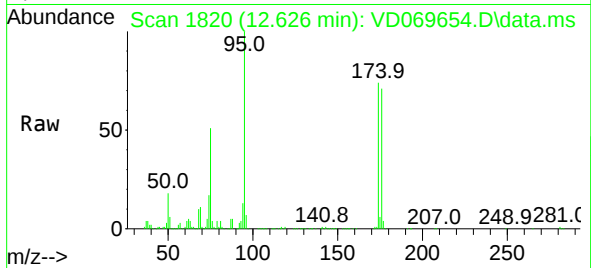




#76
1,2,3-Trichloropropane
Concen: 51.233 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

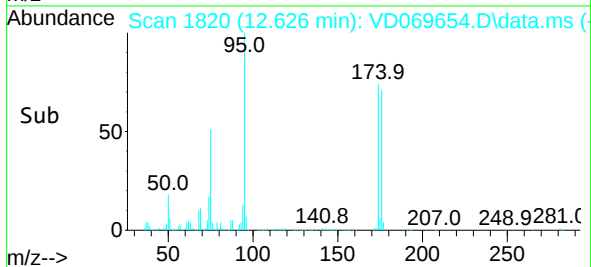
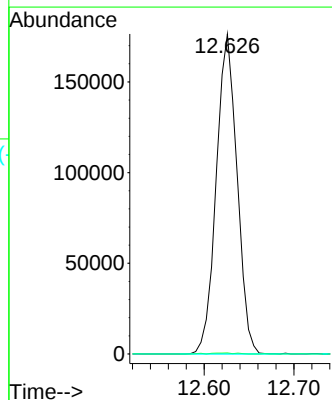
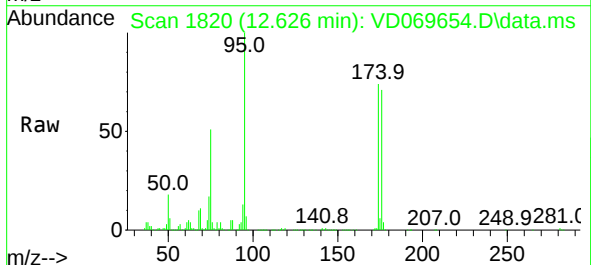
Instrument :
MSVOA_D
ClientSampleId :
TP-E

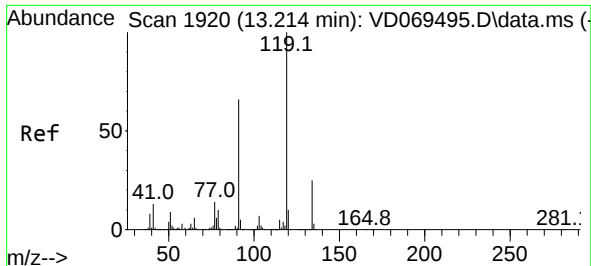
Tgt Ion: 75 Resp: 283657
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.921 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

Tgt Ion: 75 Resp: 283657
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.0 35.3 52.9#

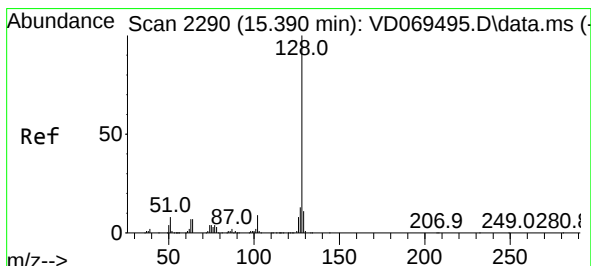
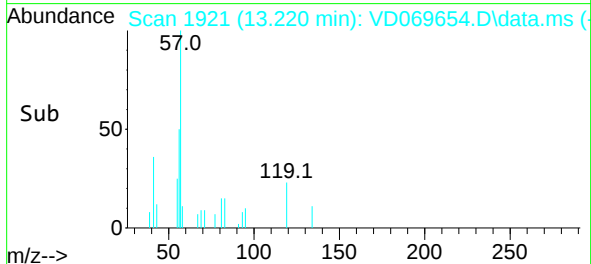
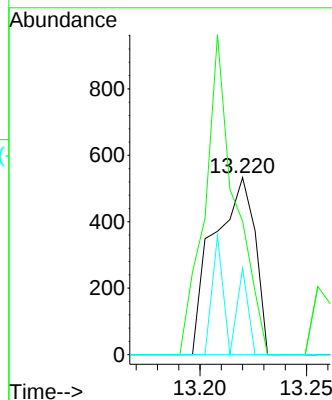
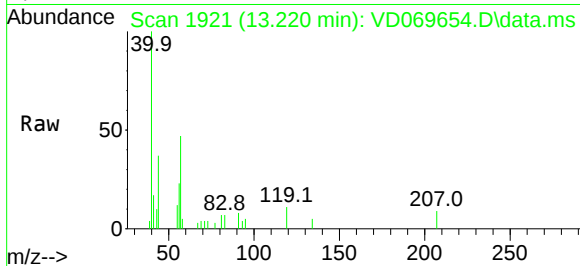




#83
tert-Butylbenzene
Concen: 2.016 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.006 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

Instrument :
MSVOA_D
ClientSampled :
TP-E

Tgt Ion:119 Resp: 717
Ion Ratio Lower Upper
119 100
91 133.5 32.5 97.4#
134 30.4 12.9 38.7



#95
Naphthalene
Concen: 3.393 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069654.D
Acq: 09 Jul 2021 18:55

Tgt Ion:128 Resp: 722
Ion Ratio Lower Upper
128 100
127 14.7 10.6 16.0
129 0.0 8.7 13.1#

