

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070921\
 Data File : VD069658.D
 Acq On : 09 Jul 2021 20:49
 Operator : VA/SY
 Sample : M2990-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-D

Quant Time: Jul 10 02:57:54 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)

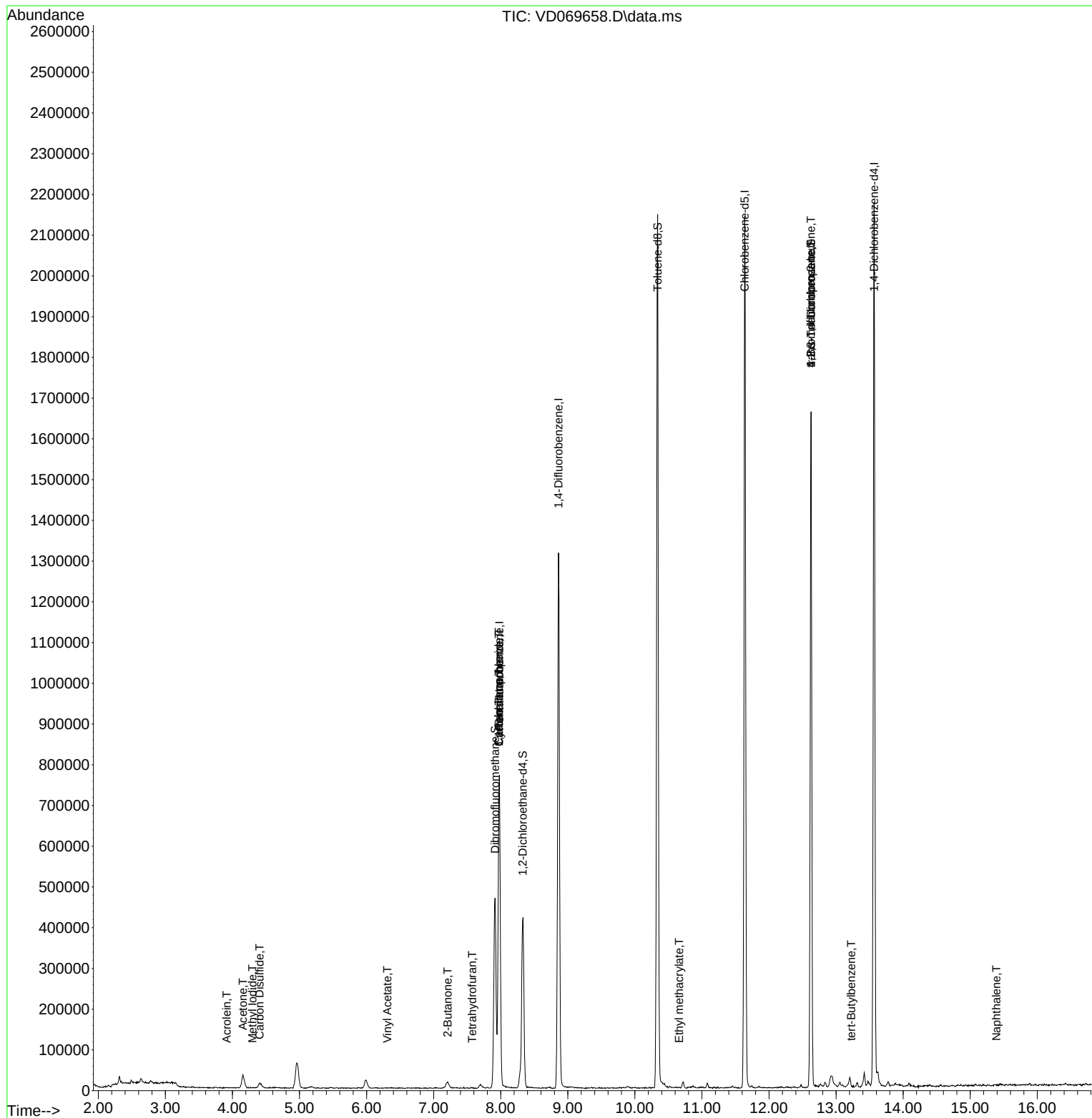
Internal Standards						
1) Pentafluorobenzene	7.979	168	534227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1068727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1207908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	555620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	337082	50.620	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.240%			
35) Dibromofluoromethane	7.914	113	344222	47.647	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.300%			
50) Toluene-d8	10.338	98	1458823	53.835	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.660%			
62) 4-Bromofluorobenzene	12.626	95	559303	62.782	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.560%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	3331	Below Cal	#	78
10) Methyl Iodide	4.297	142	1184	4.135	ug/l #	77
11) Tert butyl alcohol	5.220	59	252	Below Cal	#	83
13) Acrolein	3.915	56	462	1.246	ug/l #	33
16) Acetone	4.156	43	53625	47.844	ug/l	94
17) Carbon Disulfide	4.403	76	23068	1.328	ug/l	100
18) Methyl Acetate	4.732	43	453	Below Cal	#	76
23) Vinyl Acetate	6.309	43	85	19.019	ug/l #	70
25) 2-Butanone	7.209	43	13783	9.677	ug/l #	84
29) Tetrahydrofuran	7.573	42	1074	1.375	ug/l #	53
31) Cyclohexane	7.973	56	13009	1.451	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	48132	4.589	ug/l #	51
38) Carbon Tetrachloride	7.973	117	59028	5.686	ug/l #	18
56) Ethyl methacrylate	10.661	69	713	2.681	ug/l #	46
76) 1,2,3-Trichloropropane	12.626	75	285300	52.309	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	285300	130.609	ug/l #	12
83) tert-Butylbenzene	13.226	119	864	2.021	ug/l	79
95) Naphthalene	15.390	128	729	3.394	ug/l #	69

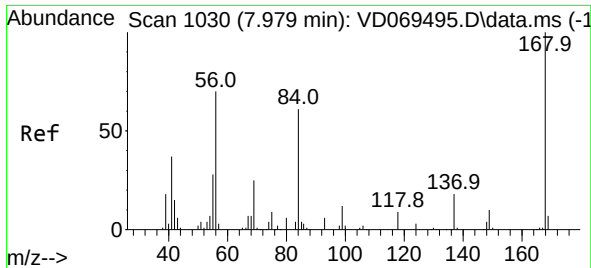
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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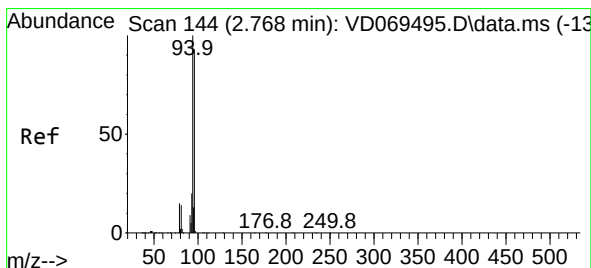
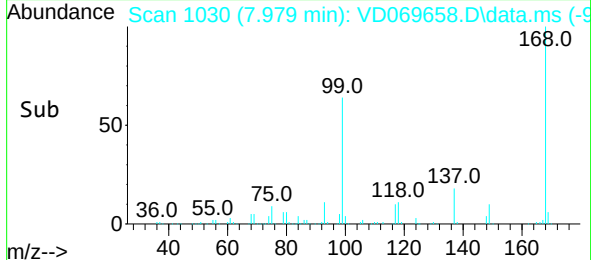
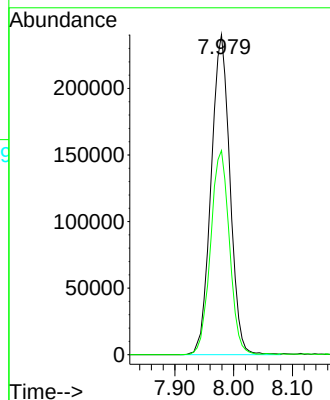
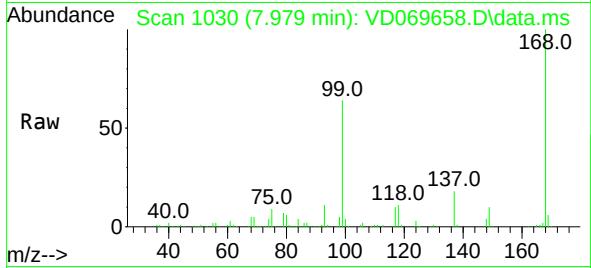




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

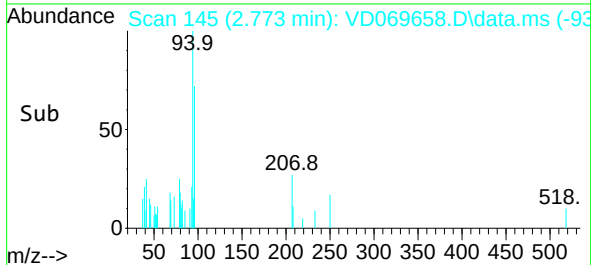
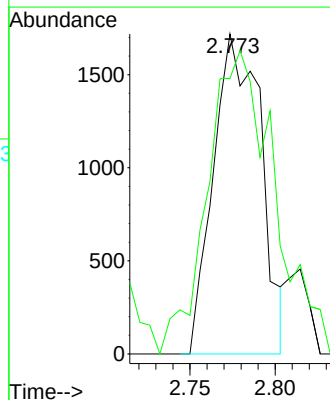
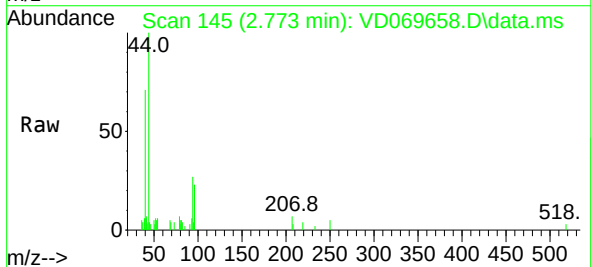
Instrument :
MSVOA_D
ClientSampled :
TP-D

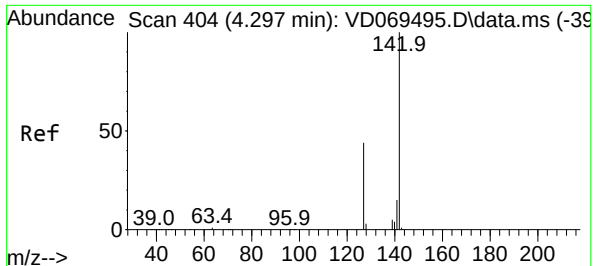
Tgt Ion:168 Resp: 534227
Ion Ratio Lower Upper
168 100
99 63.8 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

Tgt Ion: 94 Resp: 3331
Ion Ratio Lower Upper
94 100
96 72.3 74.6 111.8#

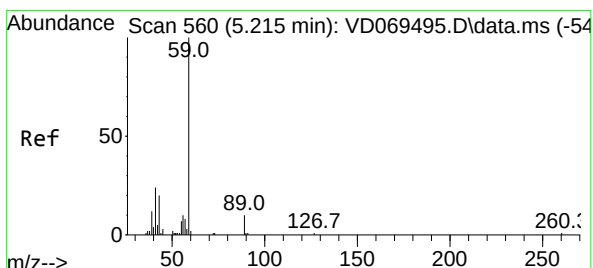
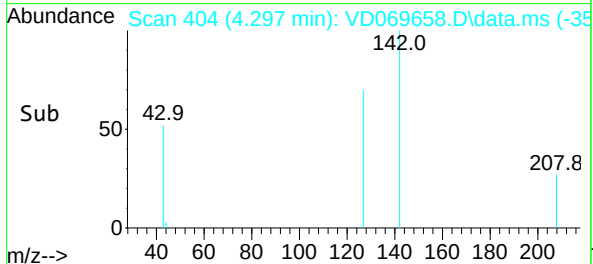
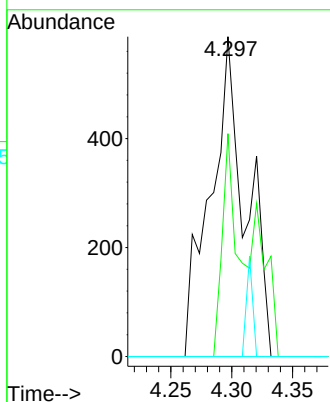
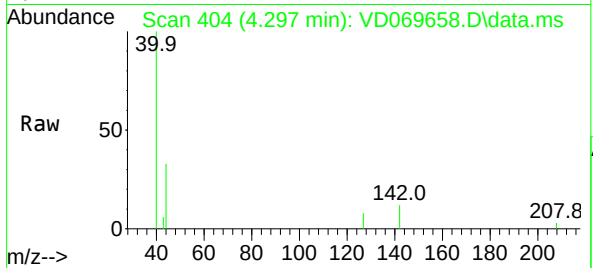




#10
Methyl Iodide
Concen: 4.135 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

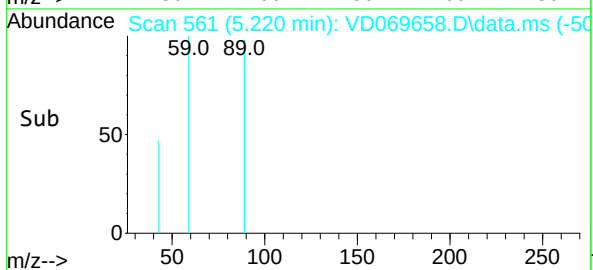
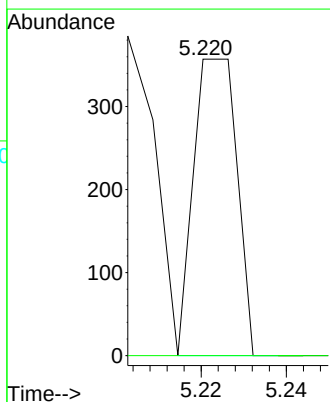
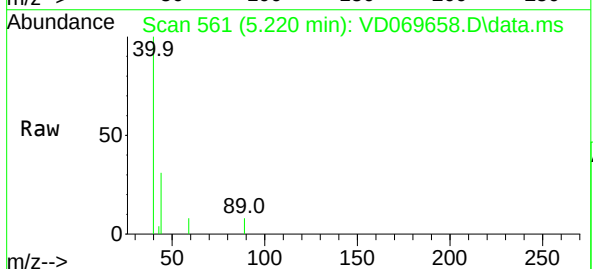
Instrument :
MSVOA_D
ClientSampleId :
TP-D

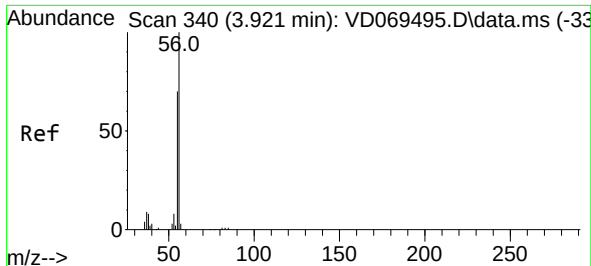
Tgt Ion:142 Resp: 1184
Ion Ratio Lower Upper
142 100
127 33.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

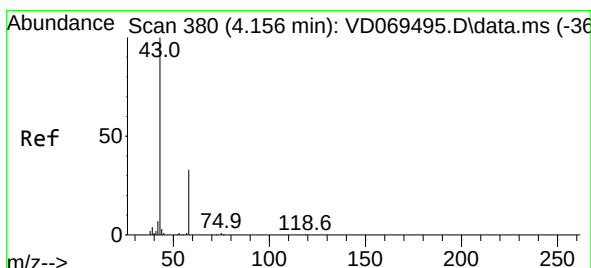
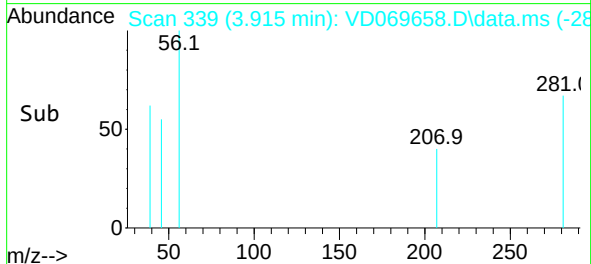
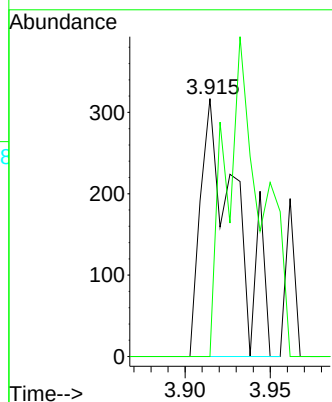
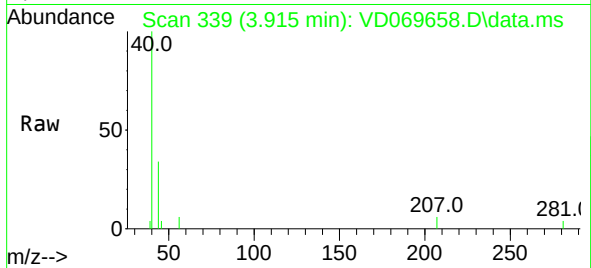




#13
Acrolein
Concen: 1.246 ug/l
RT: 3.915 min Scan# 339
Delta R.T. -0.006 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

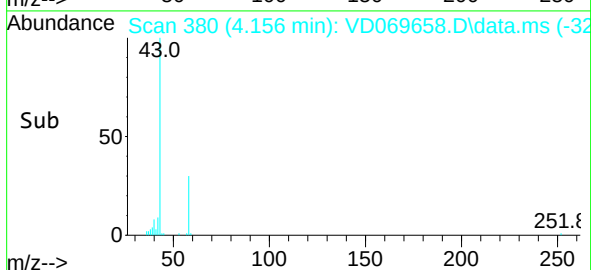
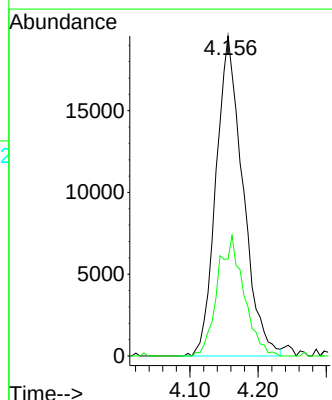
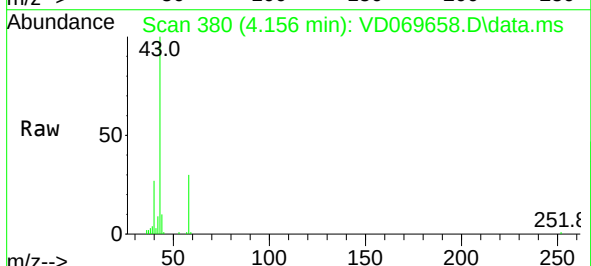
Instrument :
MSVOA_D
ClientSampleId :
TP-D

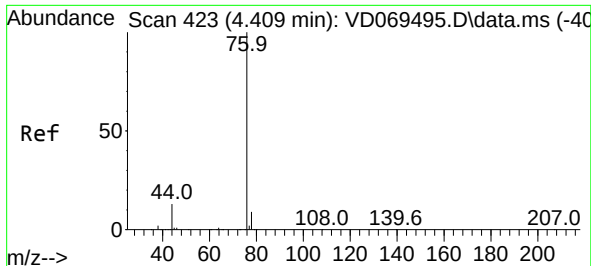
Tgt Ion: 56 Resp: 462
Ion Ratio Lower Upper
56 100
55 125.1 56.0 84.0#



#16
Acetone
Concen: 47.844 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

Tgt Ion: 43 Resp: 53625
Ion Ratio Lower Upper
43 100
58 30.4 26.8 40.2

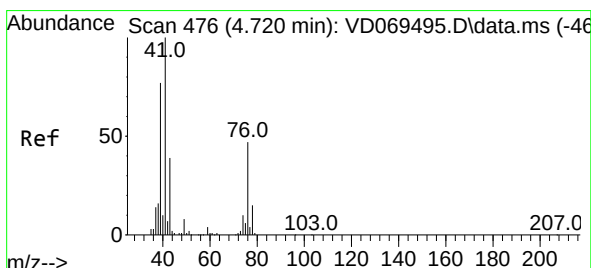
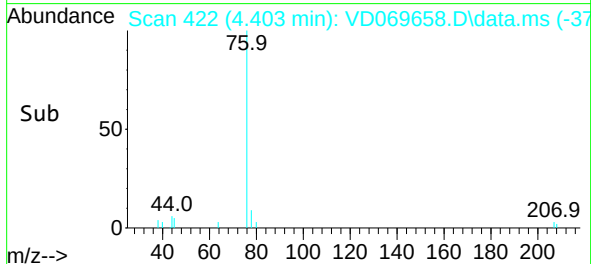
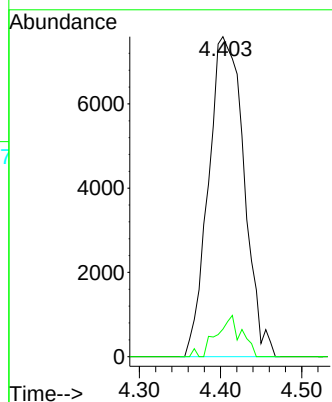
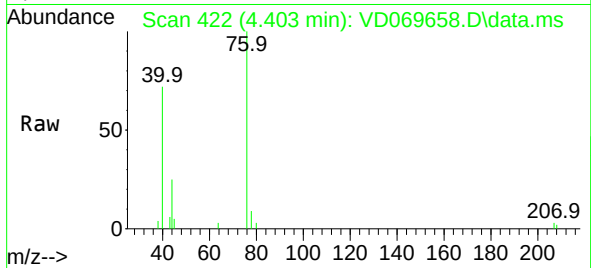




#17
Carbon Disulfide
Concen: 1.328 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

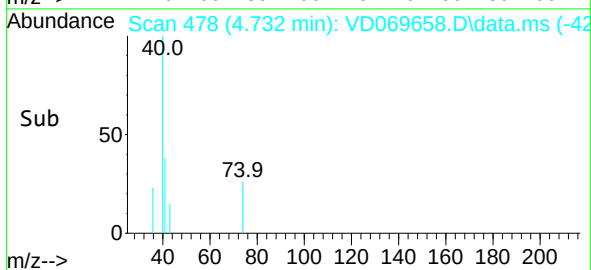
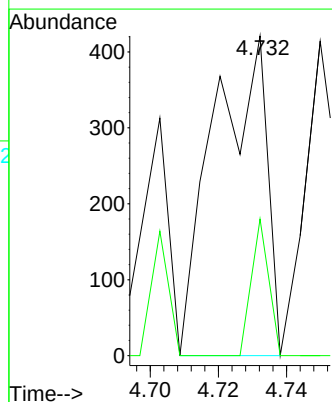
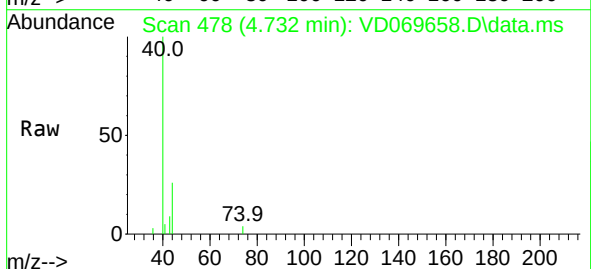
Instrument :
MSVOA_D
ClientSampled :
TP-D

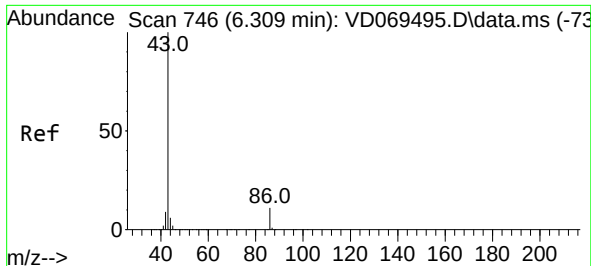
Tgt Ion: 76 Resp: 23068
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

Tgt Ion: 43 Resp: 453
Ion Ratio Lower Upper
43 100
74 14.1 21.0 31.4#

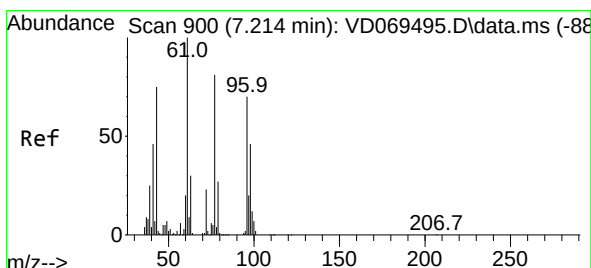
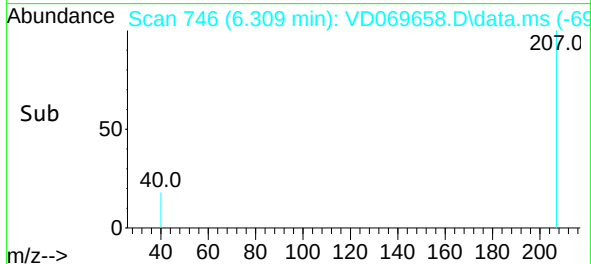
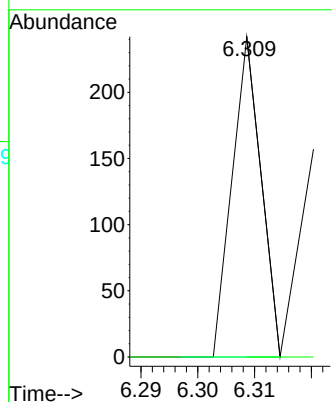
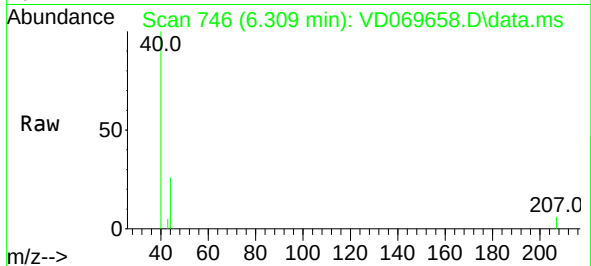




#23
 Vinyl Acetate
 Concen: 19.019 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. -0.000 min
 Lab File: VD069658.D
 Acq: 09 Jul 2021 20:49

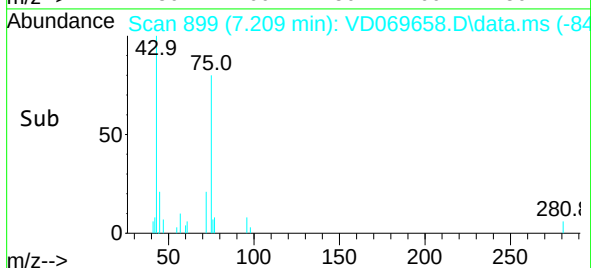
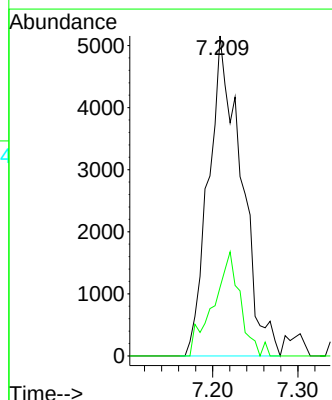
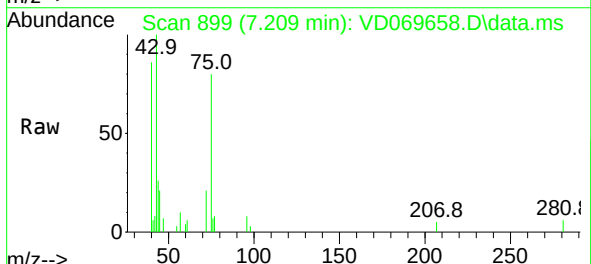
Instrument :
 MSVOA_D
 ClientSampled :
 TP-D

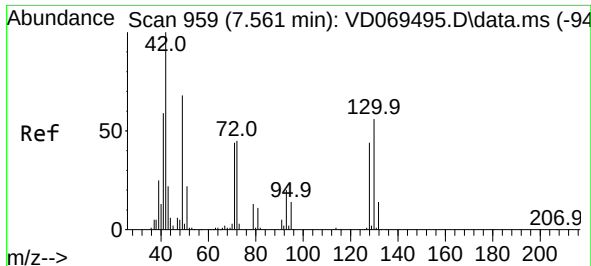
Tgt Ion: 43 Resp: 85
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 9.677 ug/l
 RT: 7.209 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD069658.D
 Acq: 09 Jul 2021 20:49

Tgt Ion: 43 Resp: 13783
 Ion Ratio Lower Upper
 43 100
 72 21.4 24.3 36.5#





#29

Tetrahydrofuran

Concen: 1.375 ug/l

RT: 7.573 min Scan# 961

Delta R.T. 0.012 min

Lab File: VD069658.D

Acq: 09 Jul 2021 20:49

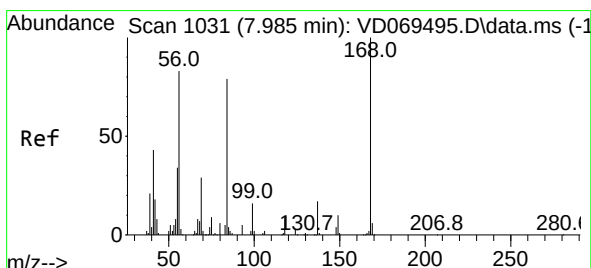
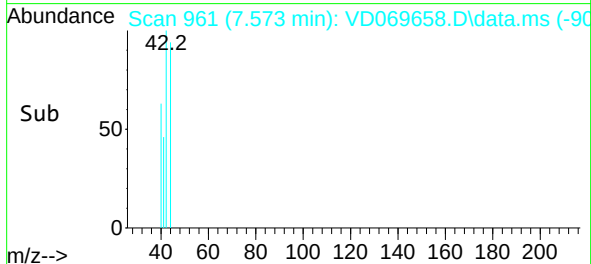
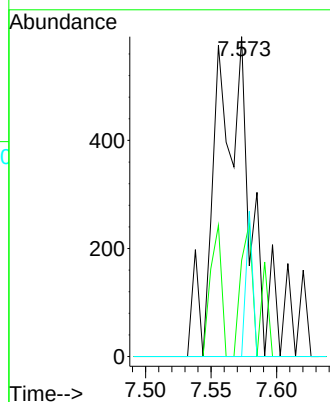
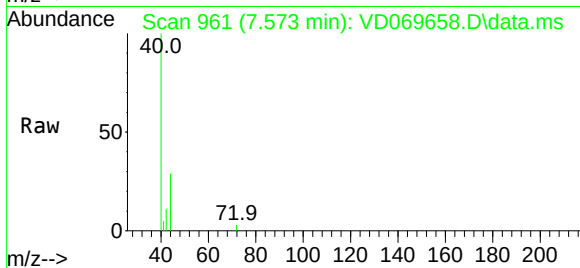
Instrument :

MSVOA_D

ClientSampleId :

TP-D

Tgt Ion:	42	Resp:	1074
Ion	Ratio	Lower	Upper
42	100		
72	19.7	37.9	56.9#
71	8.8	35.1	52.7#



#31

Cyclohexane

Concen: 1.451 ug/l

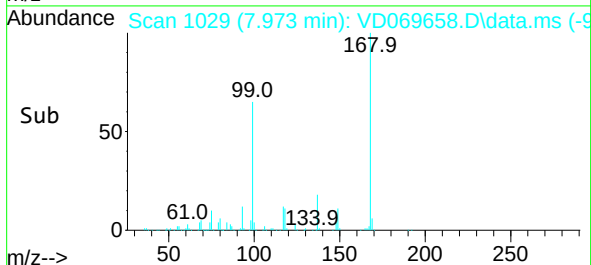
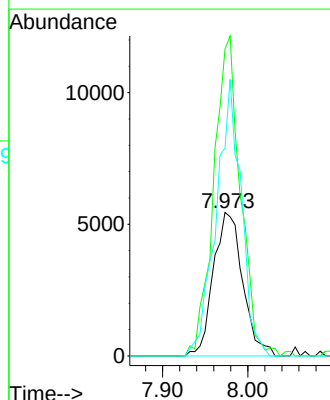
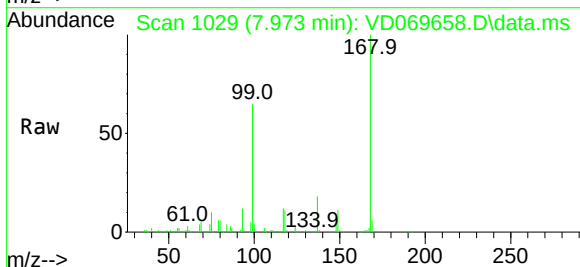
RT: 7.973 min Scan# 1029

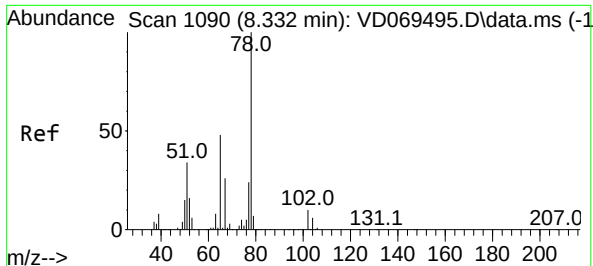
Delta R.T. -0.012 min

Lab File: VD069658.D

Acq: 09 Jul 2021 20:49

Tgt Ion:	56	Resp:	13009
Ion	Ratio	Lower	Upper
56	100		
69	213.8	28.0	42.0#
84	144.9	75.7	113.5#

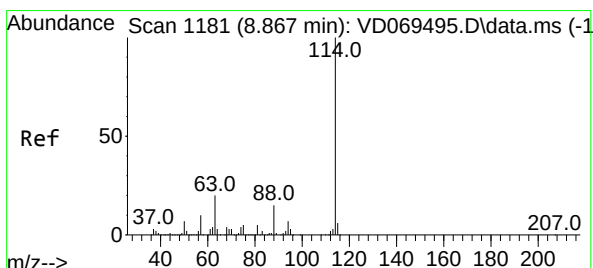
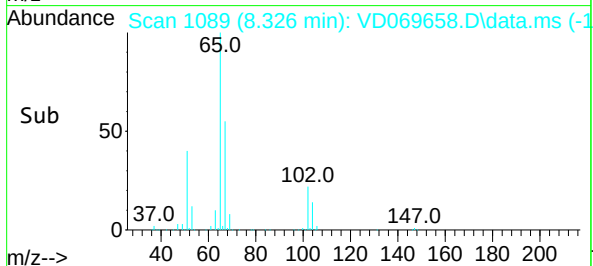
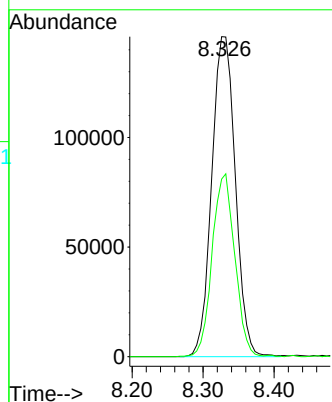
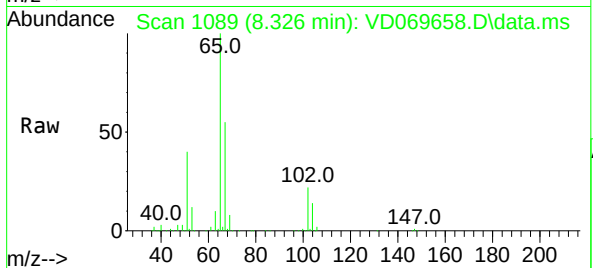




#33
1,2-Dichloroethane-d4
Concen: 50.620 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

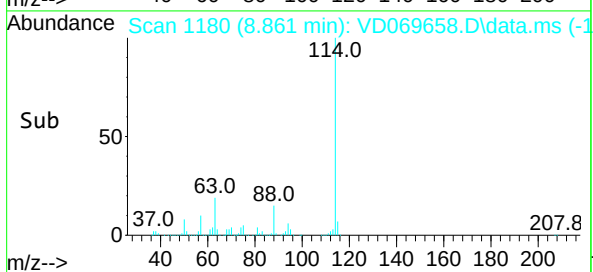
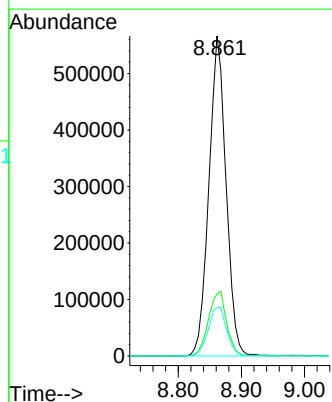
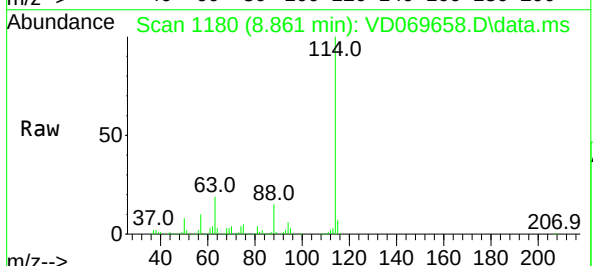
Instrument :
MSVOA_D
ClientSampleId :
TP-D

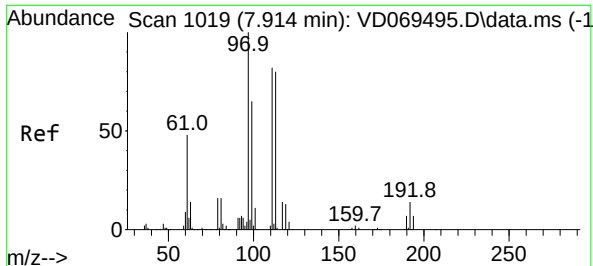
Tgt Ion: 65 Resp: 337082
Ion Ratio Lower Upper
65 100
67 54.7 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

Tgt Ion: 114 Resp: 1068727
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.6
88 15.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 47.647 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069658.D

Acq: 09 Jul 2021 20:49

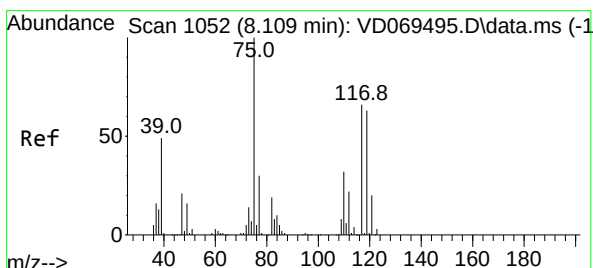
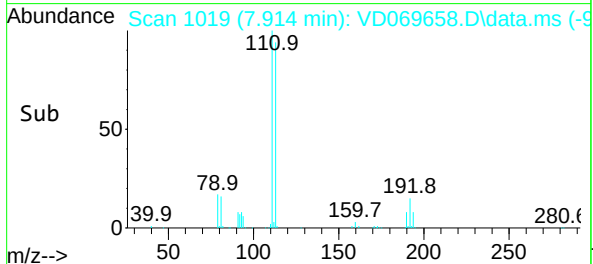
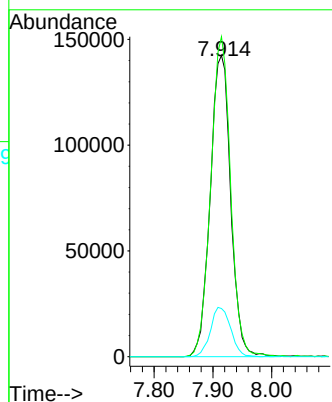
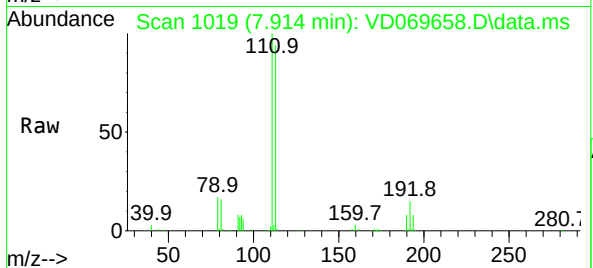
Tgt Ion:113 Resp: 344222

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

192 16.2 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.589 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069658.D

Acq: 09 Jul 2021 20:49

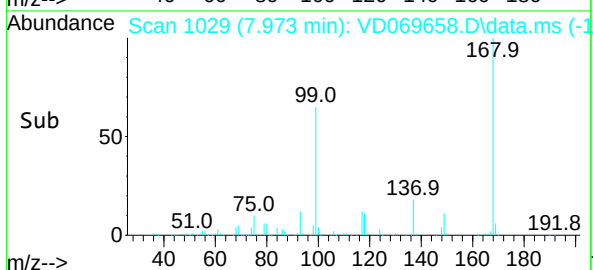
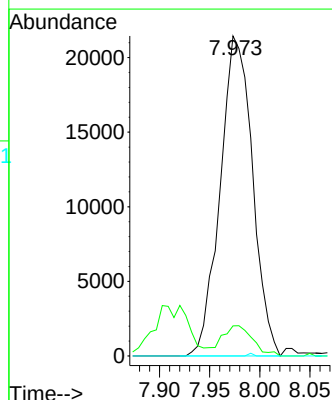
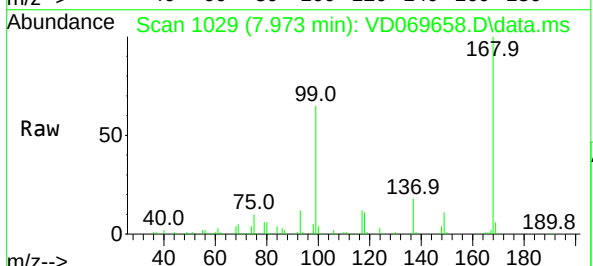
Tgt Ion: 75 Resp: 48132

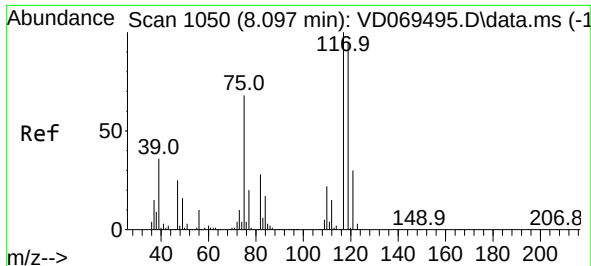
Ion Ratio Lower Upper

75 100

110 9.3 16.8 50.4#

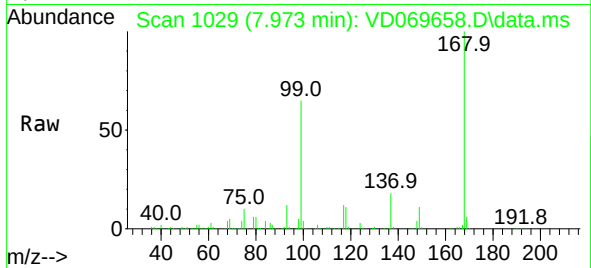
77 0.1 24.3 36.5#



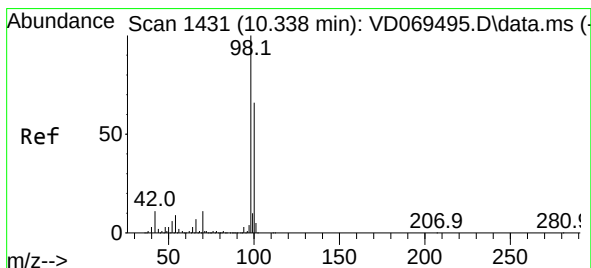
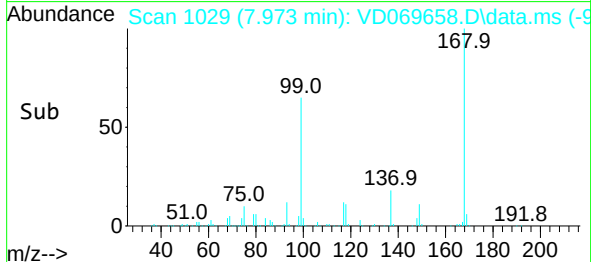
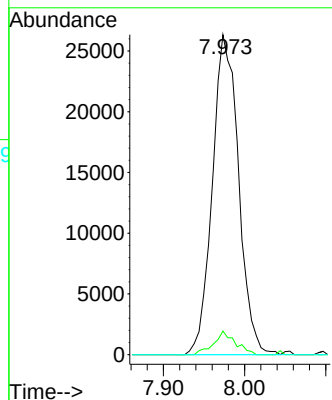


#38
Carbon Tetrachloride
Concen: 5.686 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

Instrument :
MSVOA_D
ClientSampled :
TP-D

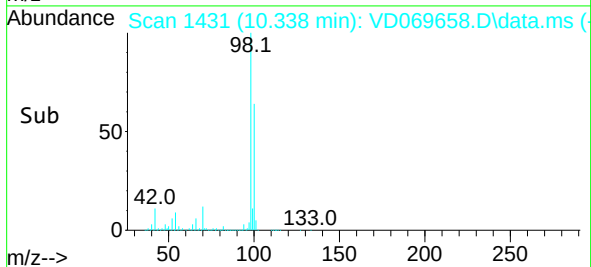
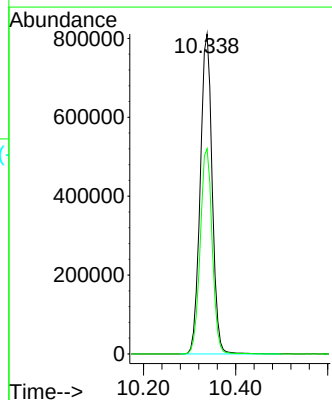
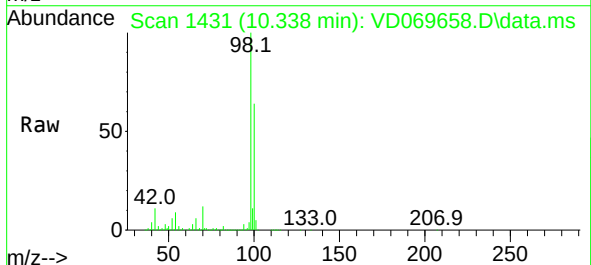


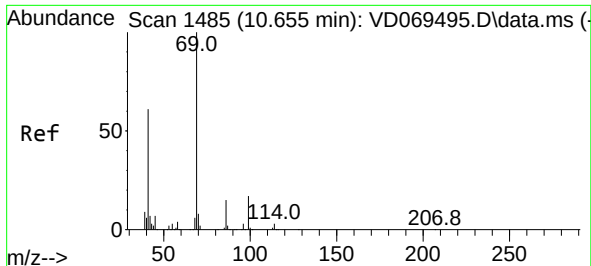
Tgt Ion:117 Resp: 59028
Ion Ratio Lower Upper
117 100
119 7.4 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 53.835 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

Tgt Ion: 98 Resp: 1458823
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

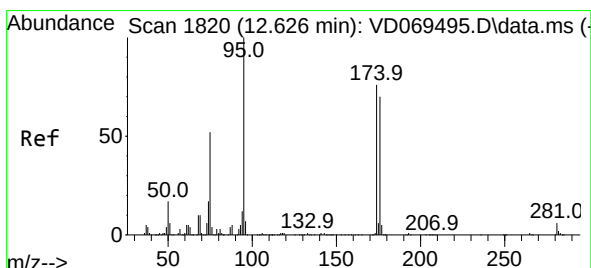
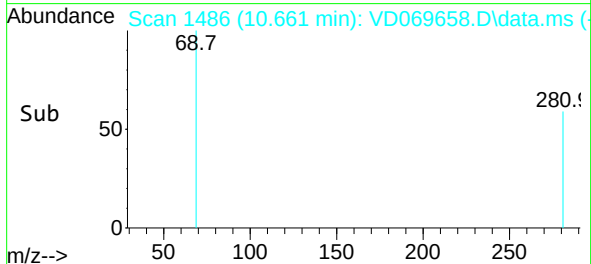
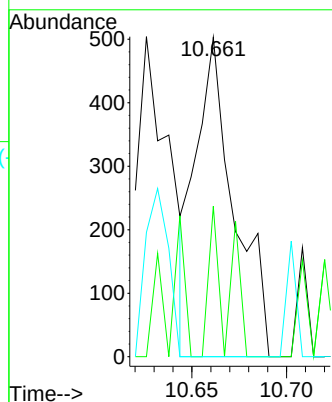
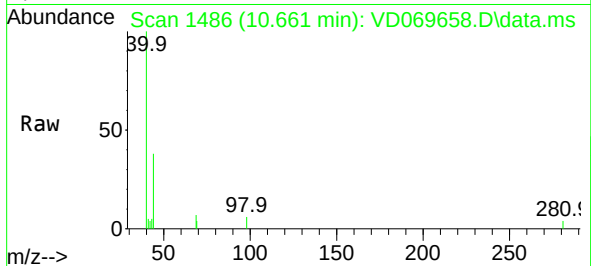




#56
Ethyl methacrylate
Concen: 2.681 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

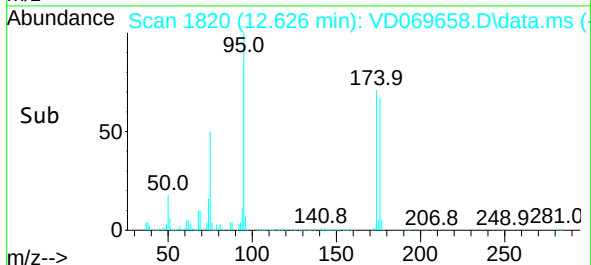
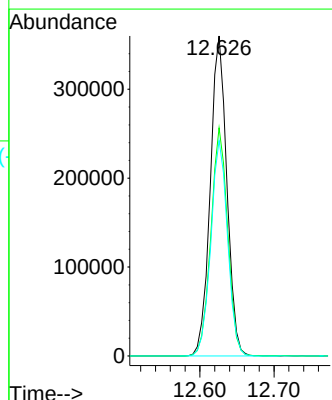
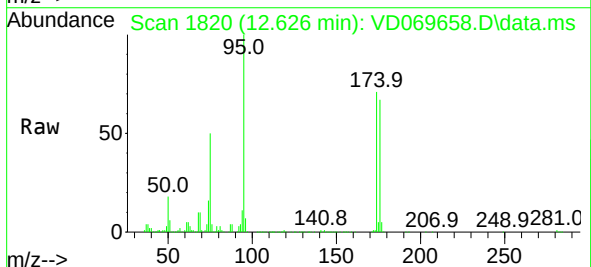
Instrument :
MSVOA_D
ClientSampled :
TP-D

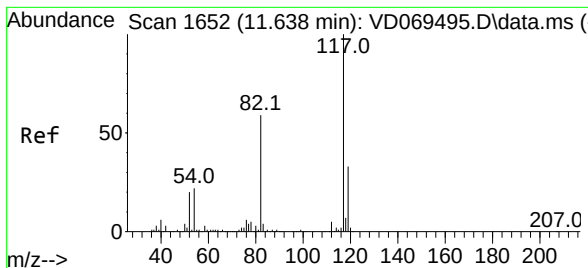
Tgt Ion: 69 Resp: 713
Ion Ratio Lower Upper
69 100
41 22.3 49.4 74.0#
39 0.0 26.9 40.3#



#62
4-Bromofluorobenzene
Concen: 62.782 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

Tgt Ion: 95 Resp: 559303
Ion Ratio Lower Upper
95 100
174 72.1 0.0 148.0
176 68.0 0.0 139.8

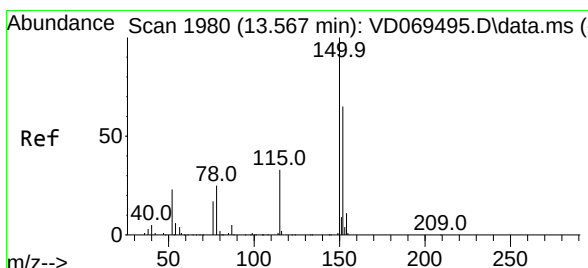
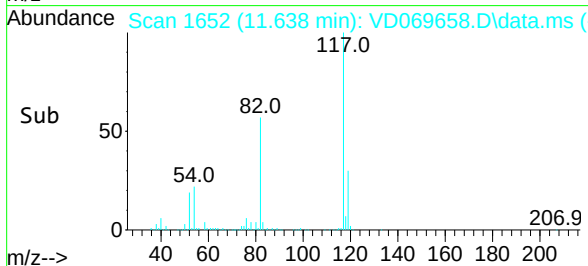
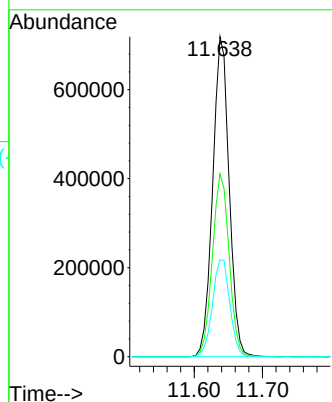
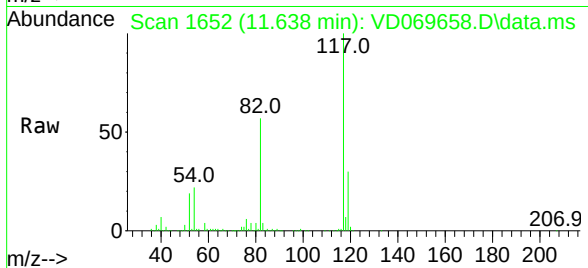




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

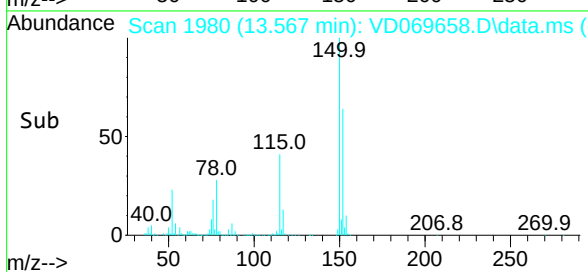
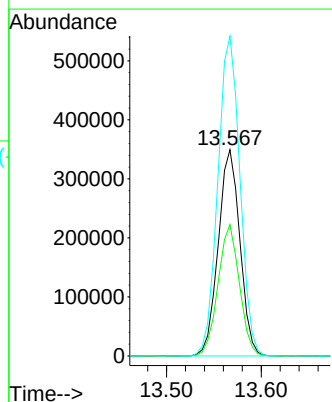
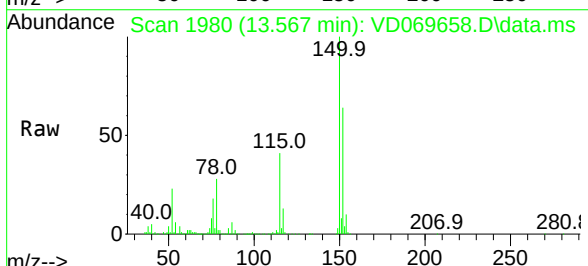
Instrument :
MSVOA_D
ClientSampleId :
TP-D

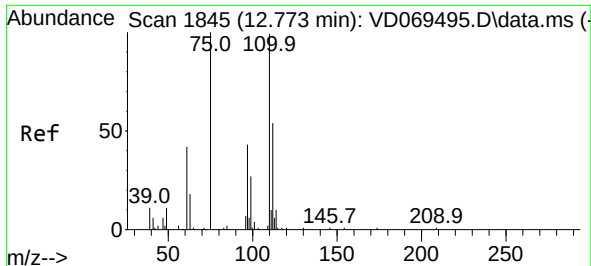
Tgt Ion:117 Resp: 1207908
Ion Ratio Lower Upper
117 100
82 57.2 46.8 70.2
119 30.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

Tgt Ion:152 Resp: 555620
Ion Ratio Lower Upper
152 100
115 62.9 31.7 95.1
150 157.9 0.0 350.8

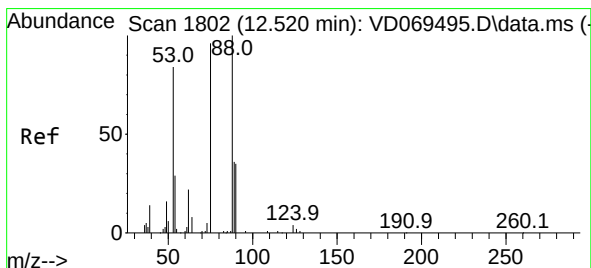
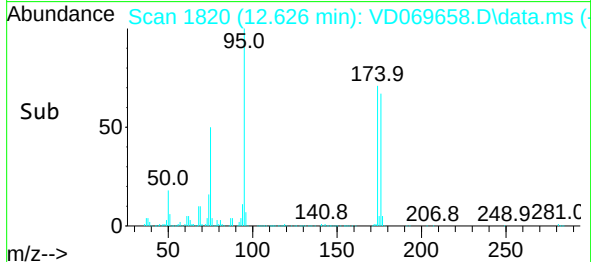
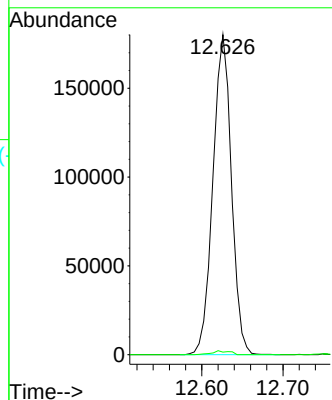
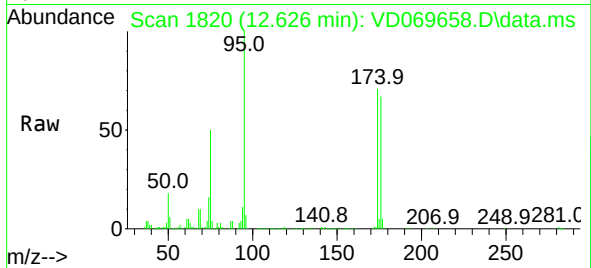




#76
1,2,3-Trichloropropane
Concen: 52.309 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

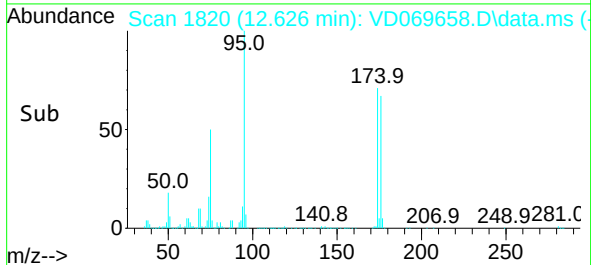
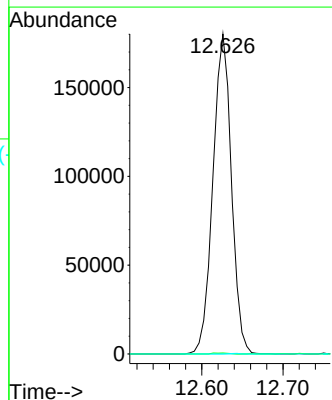
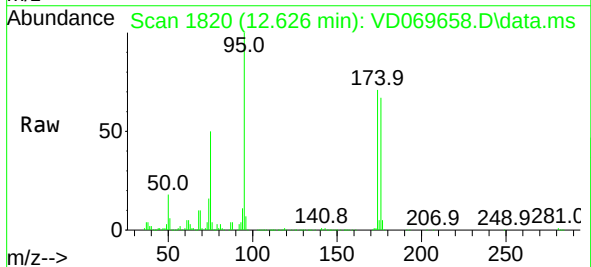
Instrument :
MSVOA_D
ClientSampleId :
TP-D

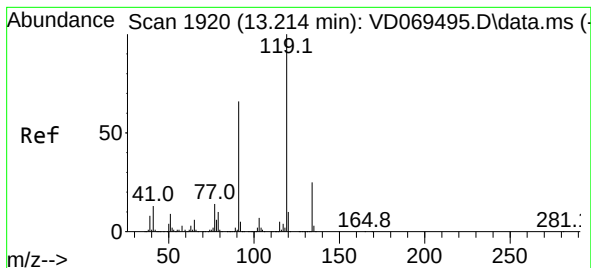
Tgt Ion: 75 Resp: 285300
Ion Ratio Lower Upper
75 100
77 1.1 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.609 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

Tgt Ion: 75 Resp: 285300
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.0 35.3 52.9#

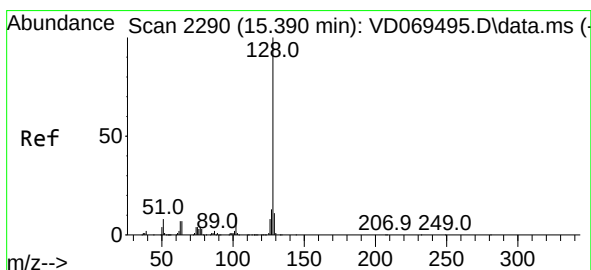
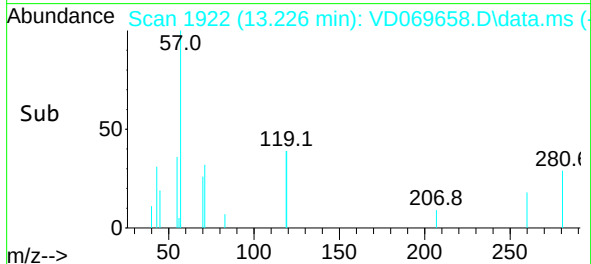
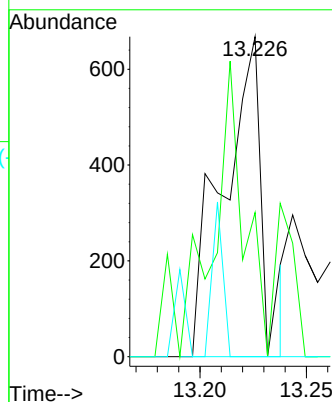
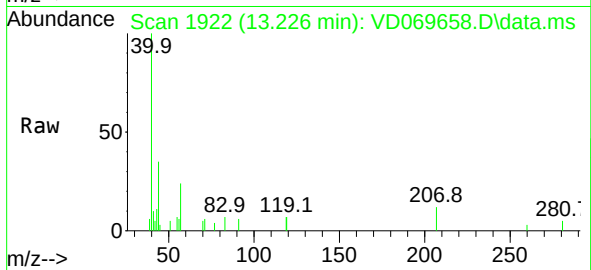




#83
tert-Butylbenzene
Concen: 2.021 ug/l
RT: 13.226 min Scan# 1922
Delta R.T. 0.012 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

Instrument :
MSVOA_D
ClientSampled :
TP-D

Tgt Ion:	119	Resp:	864
Ion	Ratio	Lower	Upper
119	100		
91	80.4	32.5	97.4
134	13.2	12.9	38.7



#95
Naphthalene
Concen: 3.394 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069658.D
Acq: 09 Jul 2021 20:49

Tgt Ion:	128	Resp:	729
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.7	13.1#

