

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070921\
 Data File : VD069659.D
 Acq On : 09 Jul 2021 21:18
 Operator : VA/SY
 Sample : M2965-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-ETGI-345

Quant Time: Jul 10 02:58:11 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)

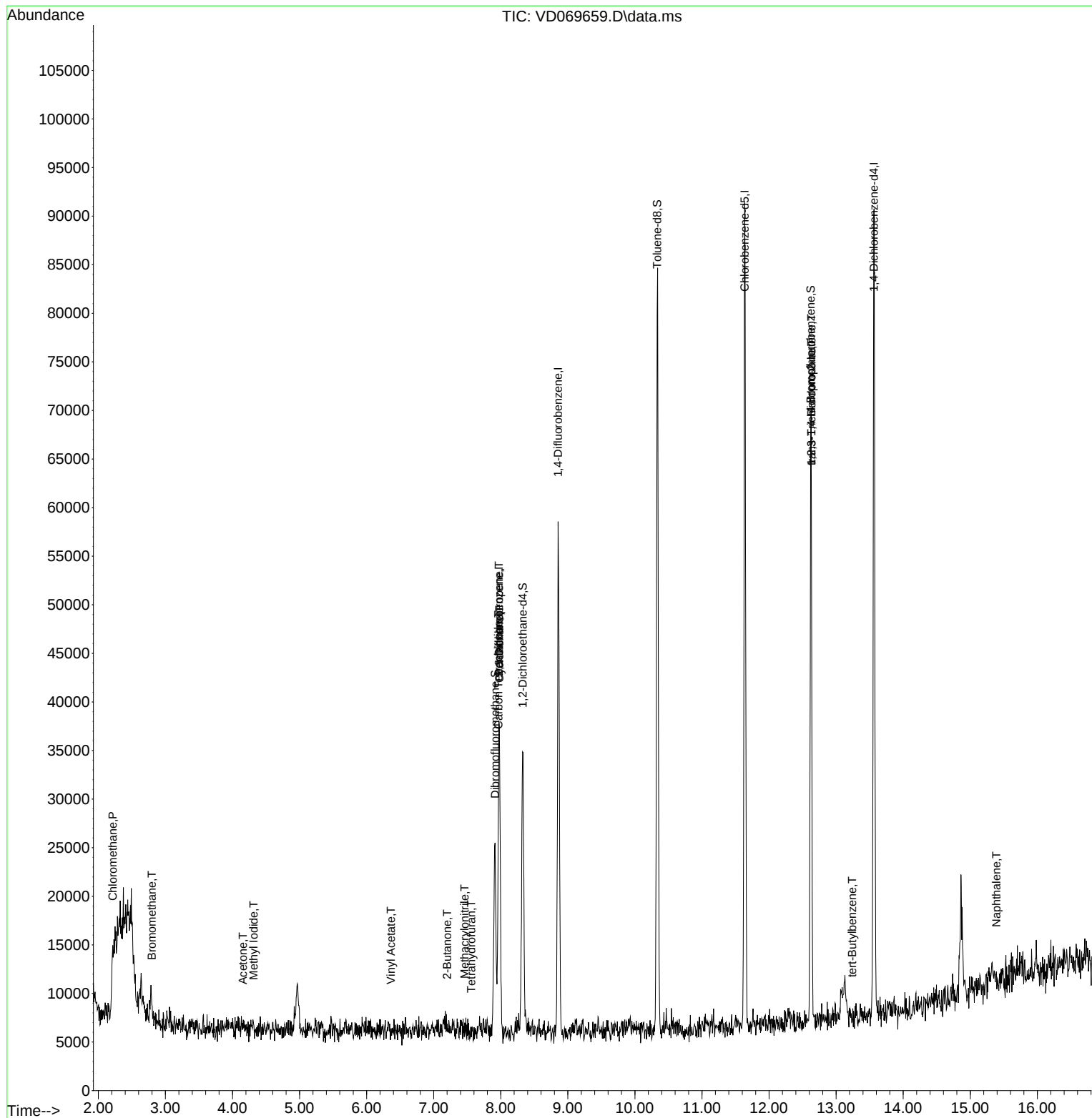
Internal Standards						
1) Pentafluorobenzene	7.973	168	22542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	39897	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.637	117	46996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	21950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	22572	80.332	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 160.660%	
35) Dibromofluoromethane	7.914	113	13792	51.139	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.280%	
50) Toluene-d8	10.332	98	53708	53.091	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.180%	
62) 4-Bromofluorobenzene	12.620	95	21323	64.115	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 128.240%	
Target Compounds						
						Qvalue
3) Chloromethane	2.214	50	957	3.026	ug/l #	35
5) Bromomethane	2.797	94	2100	8.281	ug/l	98
10) Methyl Iodide	4.314	142	746	6.852	ug/l #	66
16) Acetone	4.155	43	1049	22.181	ug/l #	41
18) Methyl Acetate	4.697	43	85	Below Cal	#	49
23) Vinyl Acetate	6.361	43	56	19.140	ug/l #	70
25) 2-Butanone	7.202	43	125	2.080	ug/l #	44
29) Tetrahydrofuran	7.561	42	111	3.369	ug/l #	31
31) Cyclohexane	7.979	56	584	1.544	ug/l #	8
36) 1,1-Dichloropropene	7.973	75	2214	5.654	ug/l #	50
38) Carbon Tetrachloride	7.967	117	2042	5.269	ug/l #	13
41) Methacrylonitrile	7.461	41	127	1.502	ug/l #	18
76) 1,2,3-Trichloropropane	12.631	75	11006	51.080	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.631	75	11006	127.539	ug/l #	12
83) tert-Butylbenzene	13.237	119	60	2.043	ug/l #	27
95) Naphthalene	15.390	128	117	3.514	ug/l #	69

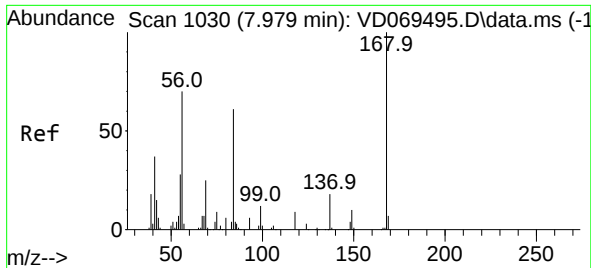
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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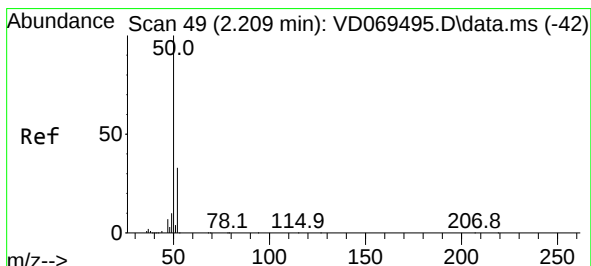
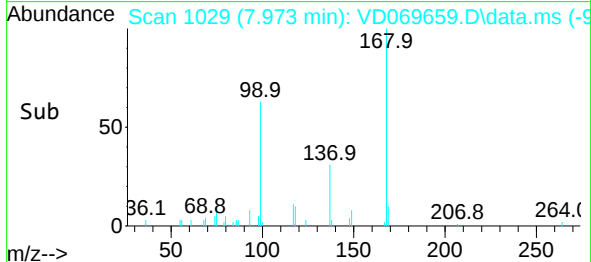
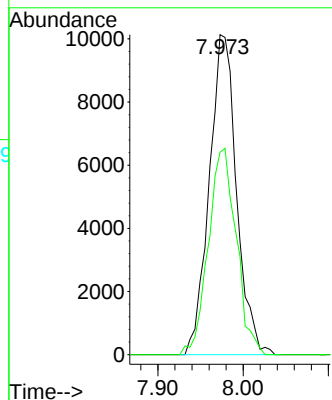
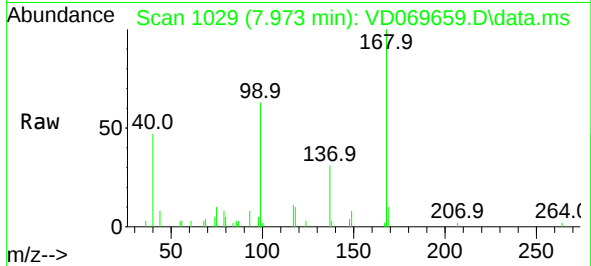




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

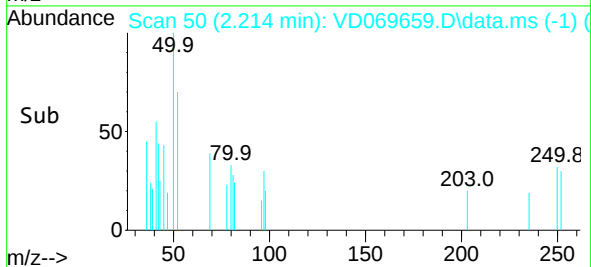
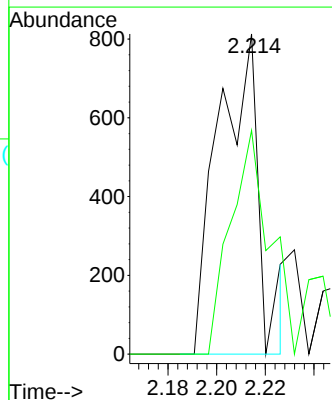
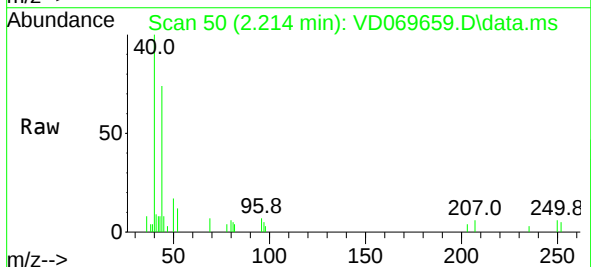
Instrument :
MSVOA_D
ClientSampleId :
RO-ETGI-345

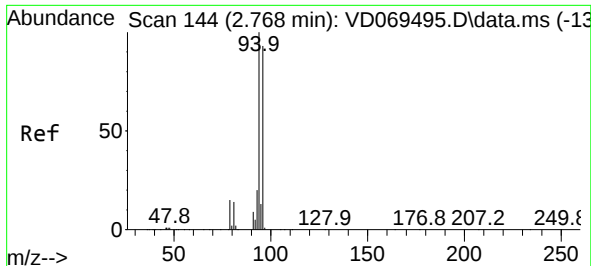
Tgt Ion:168 Resp: 22542
Ion Ratio Lower Upper
168 100
99 63.3 49.3 73.9



#3
Chloromethane
Concen: 3.026 ug/l
RT: 2.214 min Scan# 50
Delta R.T. 0.005 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

Tgt Ion: 50 Resp: 957
Ion Ratio Lower Upper
50 100
52 69.9 26.3 39.5#

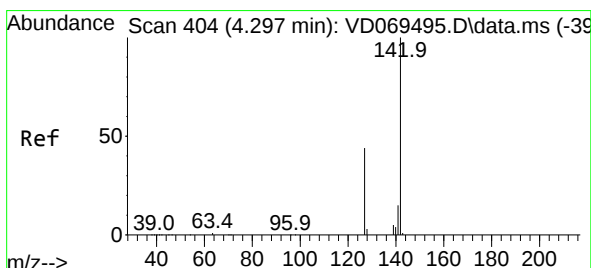
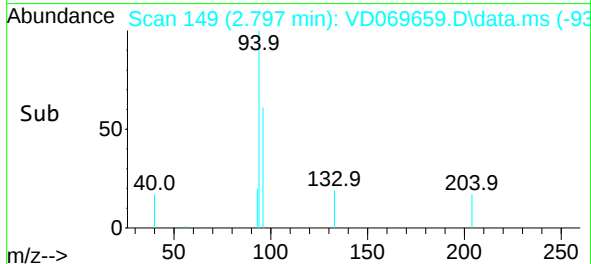
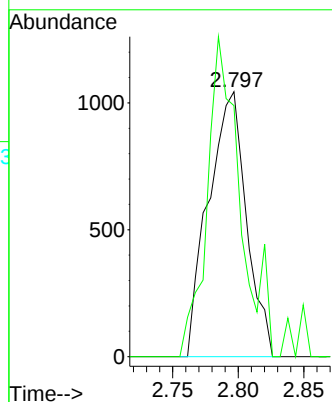
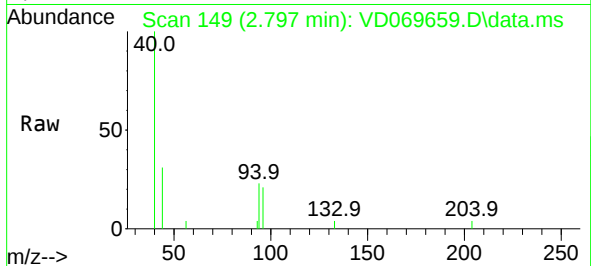




#5
Bromomethane
Concen: 8.281 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.029 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

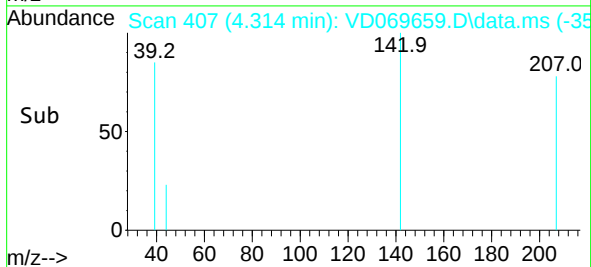
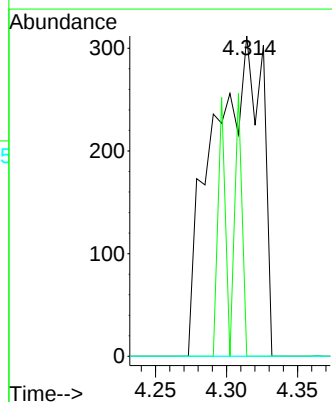
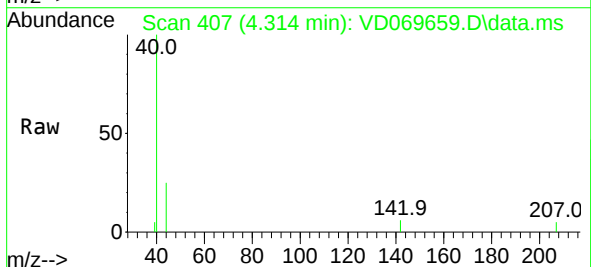
Instrument :
MSVOA_D
ClientSampleId :
RO-ETGI-345

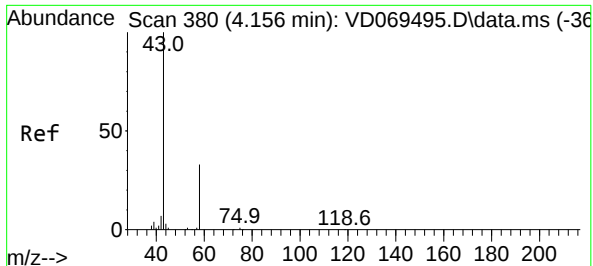
Tgt Ion: 94 Resp: 2100
Ion Ratio Lower Upper
94 100
96 94.7 74.6 111.8



#10
Methyl Iodide
Concen: 6.852 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

Tgt Ion: 142 Resp: 746
Ion Ratio Lower Upper
142 100
127 24.0 36.5 54.7#
141 0.0 12.0 18.0#

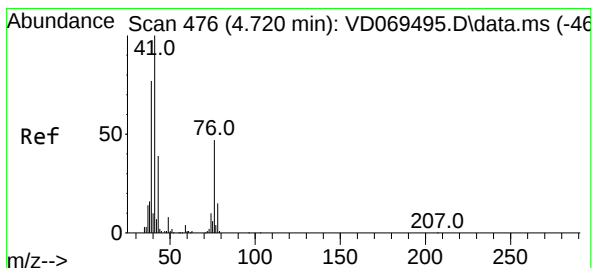
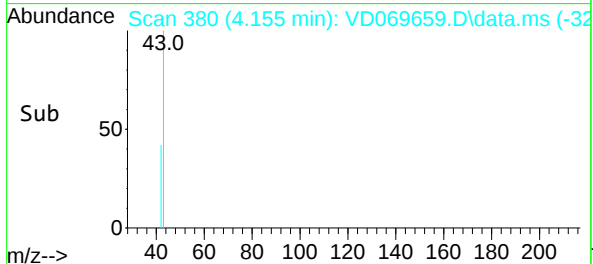
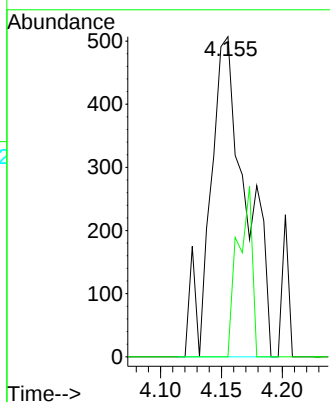
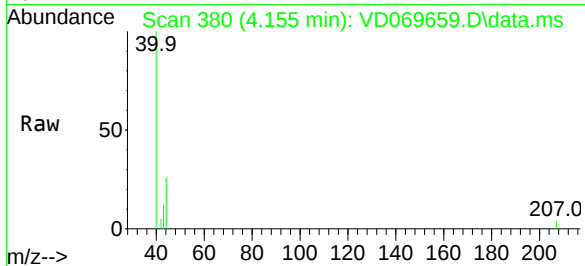




#16
Acetone
Concen: 22.181 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

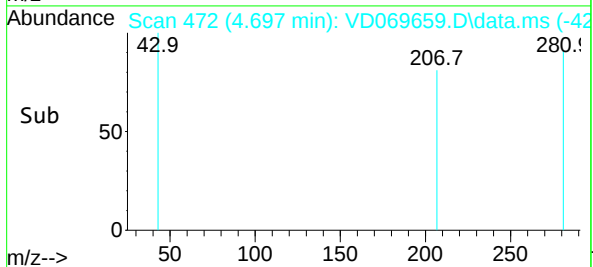
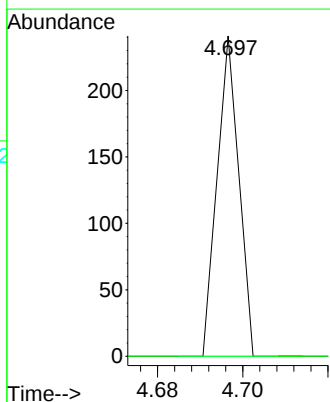
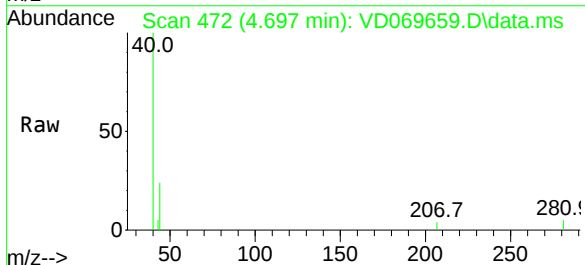
Instrument :
MSVOA_D
ClientSampleId :
RO-ETGI-345

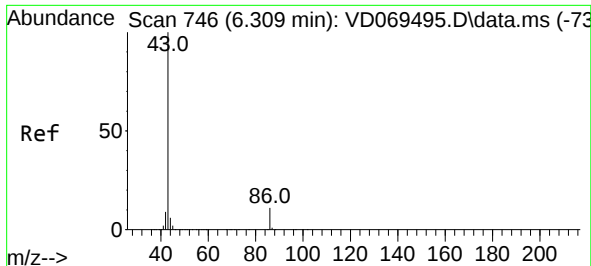
Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.697 min Scan# 472
Delta R.T. -0.023 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

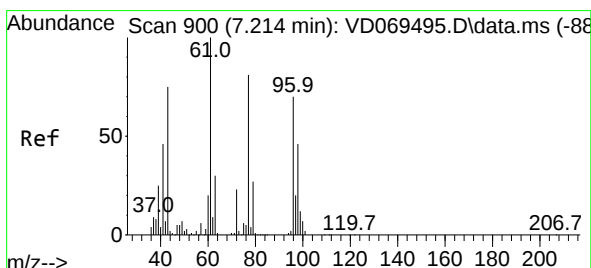
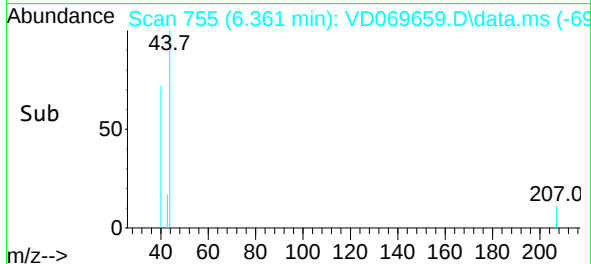
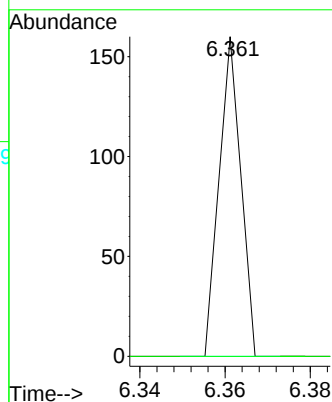
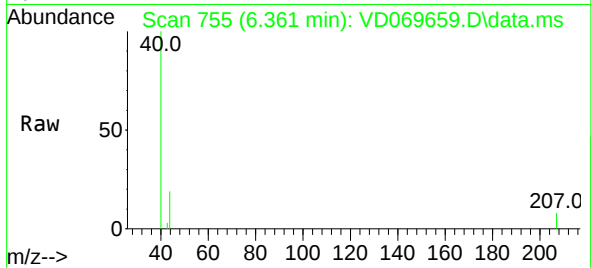




#23
 Vinyl Acetate
 Concen: 19.140 ug/l
 RT: 6.361 min Scan# 755
 Delta R.T. 0.052 min
 Lab File: VD069659.D
 Acq: 09 Jul 2021 21:18

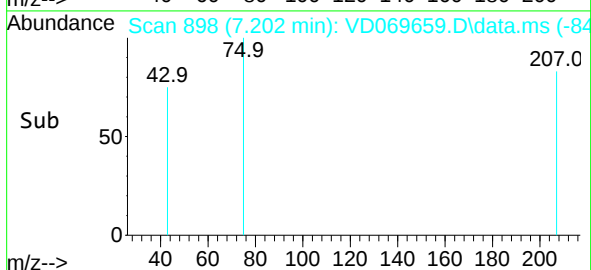
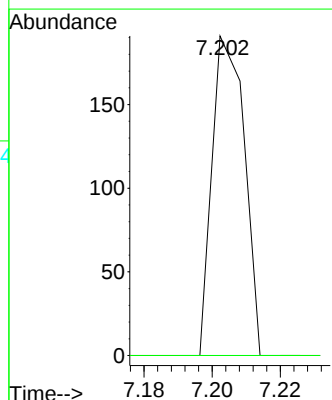
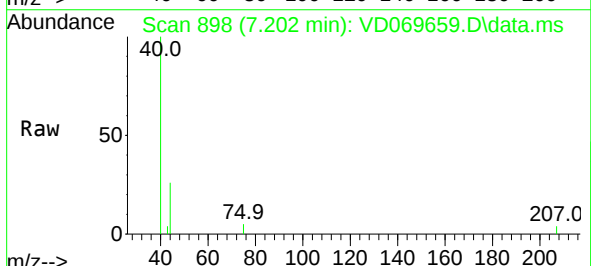
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-ETGI-345

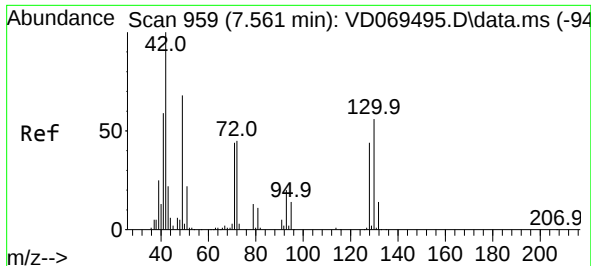
Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 2.080 ug/l
 RT: 7.202 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD069659.D
 Acq: 09 Jul 2021 21:18

Tgt Ion: 43 Resp: 125
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.3 36.5#





#29

Tetrahydrofuran

Concen: 3.369 ug/l

RT: 7.561 min Scan# 959

Delta R.T. -0.000 min

Lab File: VD069659.D

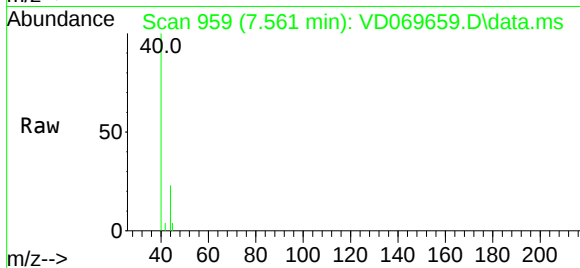
Acq: 09 Jul 2021 21:18

Instrument :

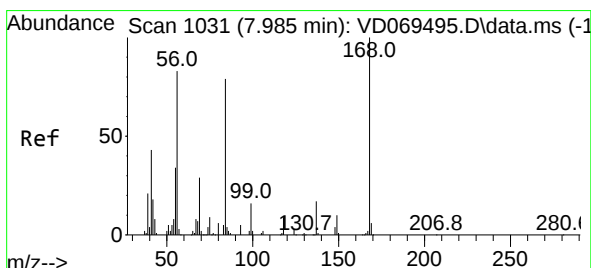
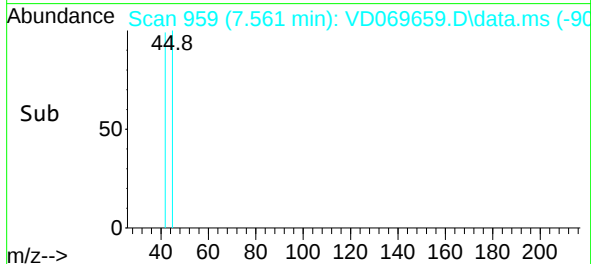
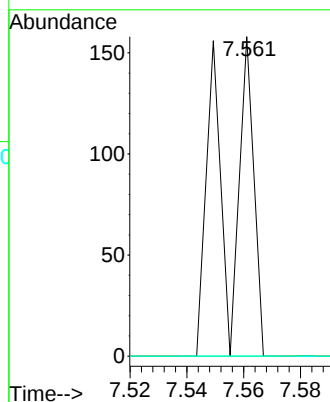
MSVOA_D

ClientSampleId :

RO-ETGI-345



Tgt Ion:	42	Resp:	111
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.9	56.9#
71	0.0	35.1	52.7#



#31

Cyclohexane

Concen: 1.544 ug/l

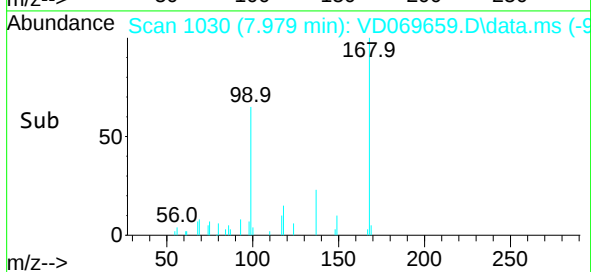
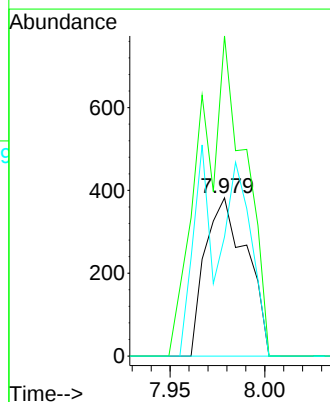
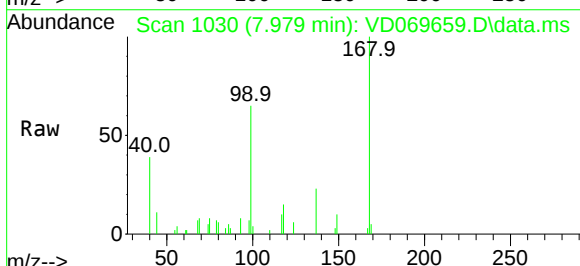
RT: 7.979 min Scan# 1030

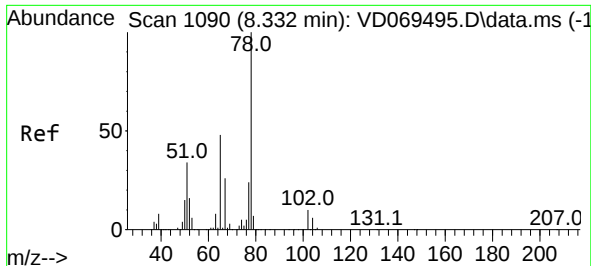
Delta R.T. -0.006 min

Lab File: VD069659.D

Acq: 09 Jul 2021 21:18

Tgt Ion:	56	Resp:	584
Ion	Ratio	Lower	Upper
56	100		
69	202.4	28.0	42.0#
84	75.4	75.7	113.5#

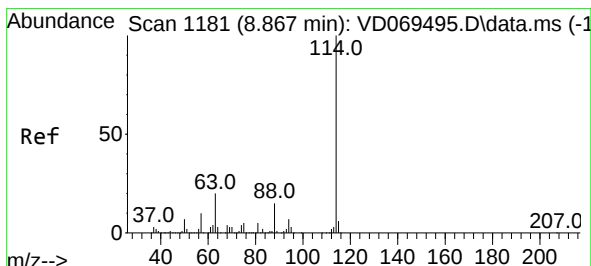
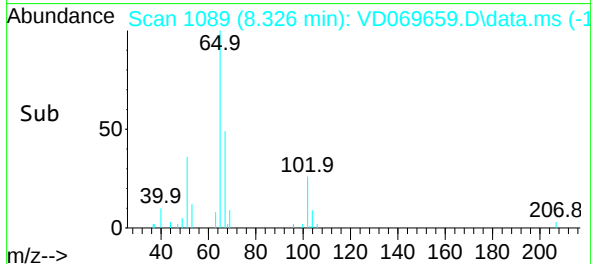
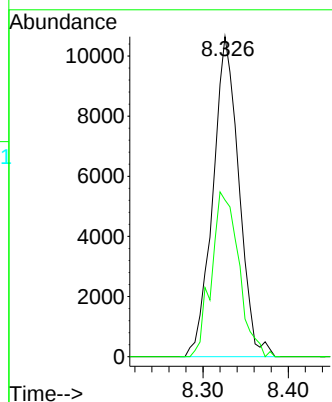
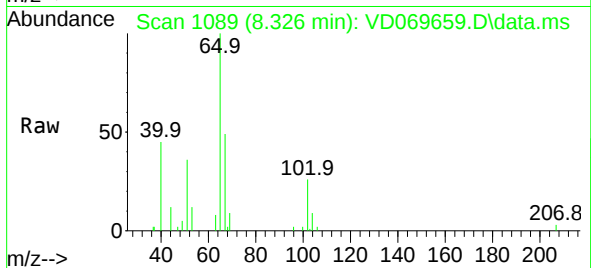




#33
1,2-Dichloroethane-d4
Concen: 80.332 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

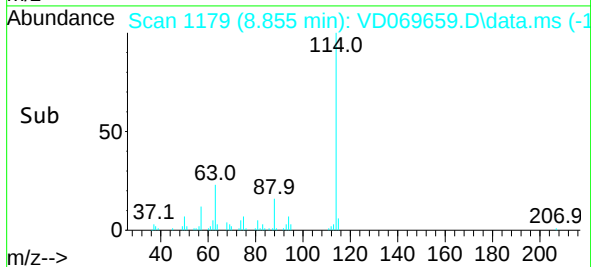
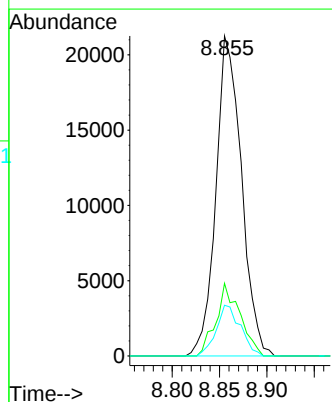
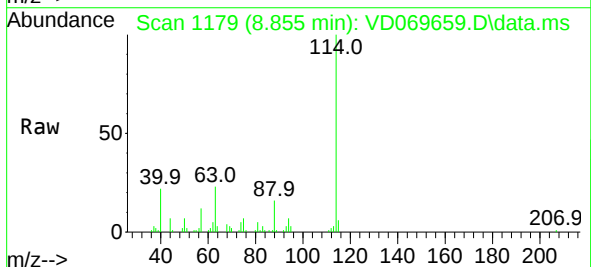
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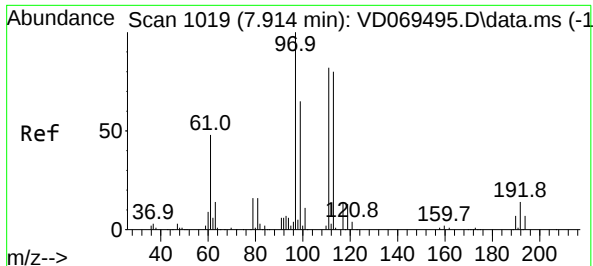
Tgt Ion: 65 Resp: 22572
Ion Ratio Lower Upper
65 100
67 54.2 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.012 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

Tgt Ion: 114 Resp: 39897
Ion Ratio Lower Upper
114 100
63 22.7 0.0 39.6
88 15.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 51.139 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069659.D

Acq: 09 Jul 2021 21:18

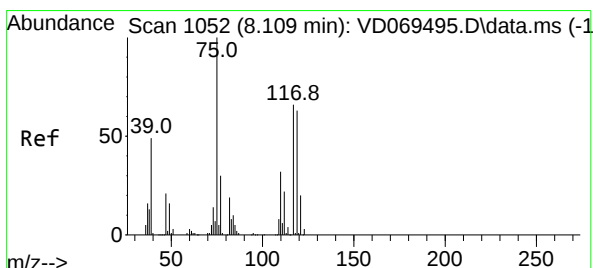
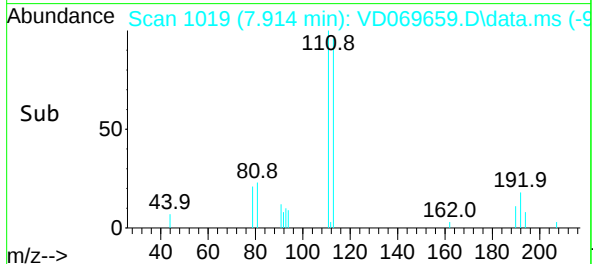
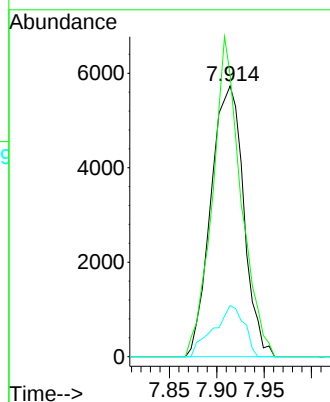
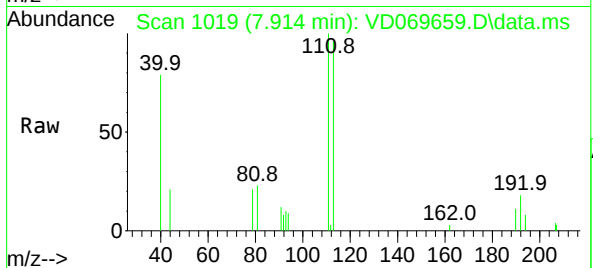
Tgt Ion:113 Resp: 13792

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 17.7 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.654 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD069659.D

Acq: 09 Jul 2021 21:18

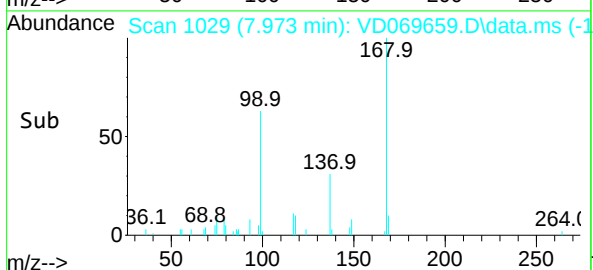
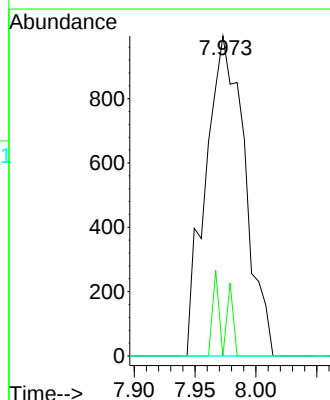
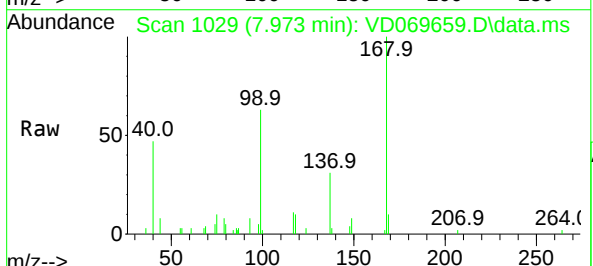
Tgt Ion: 75 Resp: 2214

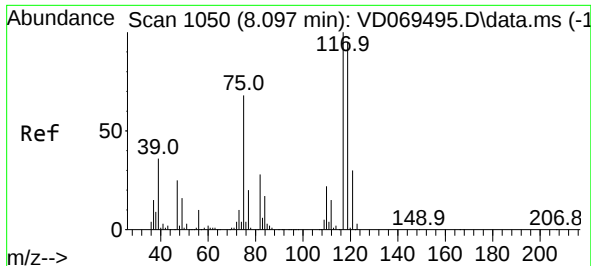
Ion Ratio Lower Upper

75 100

110 7.9 16.8 50.4#

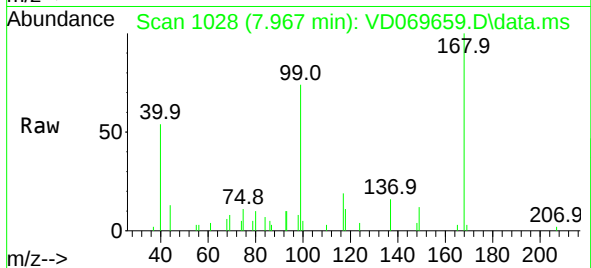
77 0.0 24.3 36.5#



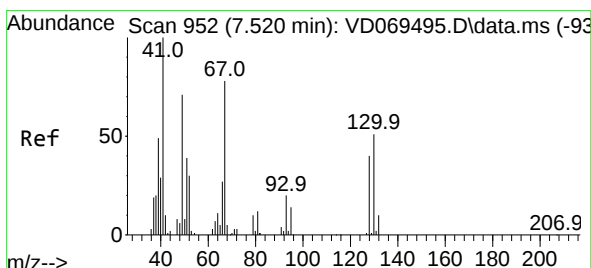
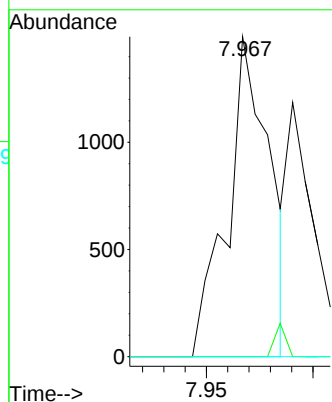
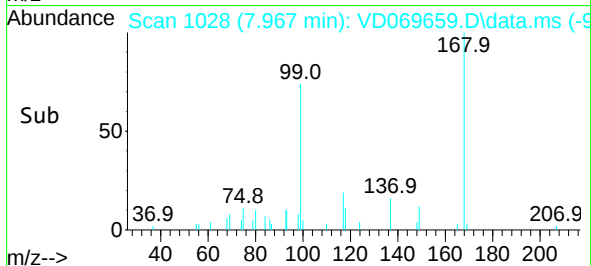


#38
Carbon Tetrachloride
Concen: 5.269 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.130 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

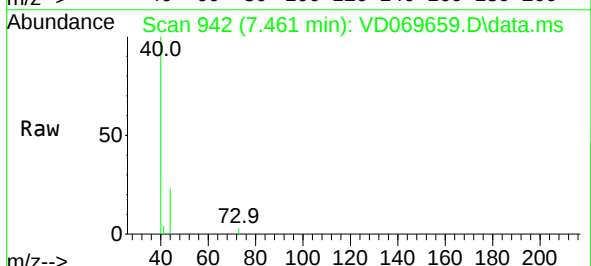
Instrument :
MSVOA_D
ClientSampleId :
RO-ETGI-345



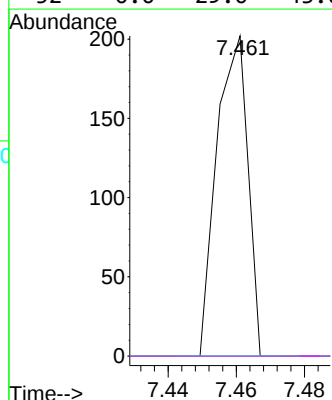
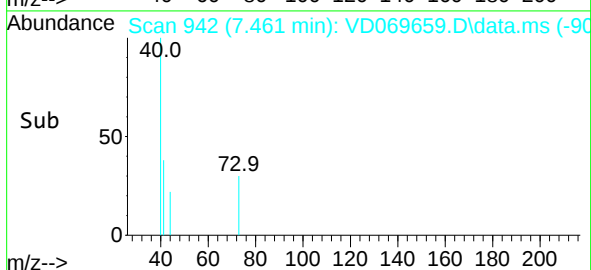
Tgt Ion:117 Resp: 2042
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 23.8 35.8#

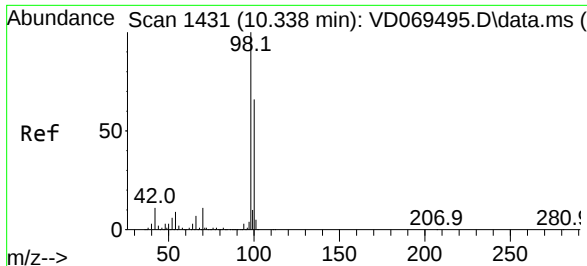


#41
Methacrylonitrile
Concen: 1.502 ug/l
RT: 7.461 min Scan# 942
Delta R.T. -0.059 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18



Tgt Ion: 41 Resp: 127
Ion Ratio Lower Upper
41 100
39 0.0 41.7 62.5#
67 0.0 71.8 107.6#
52 0.0 29.0 43.6#

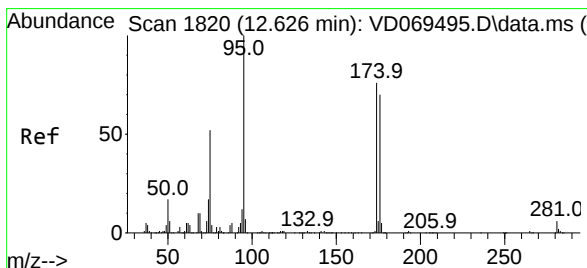
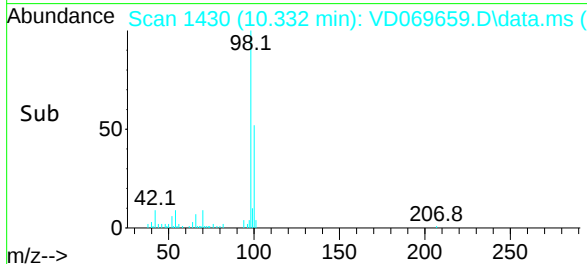
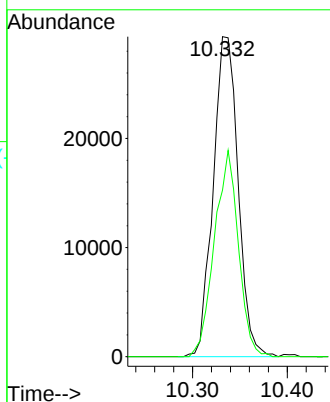
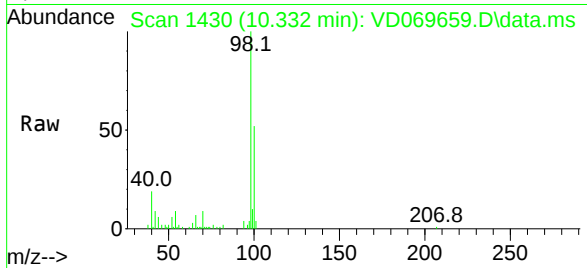




#50
Toluene-d8
Concen: 53.091 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

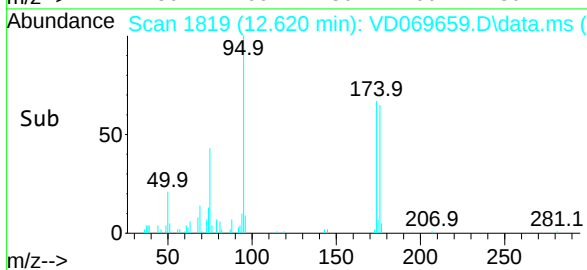
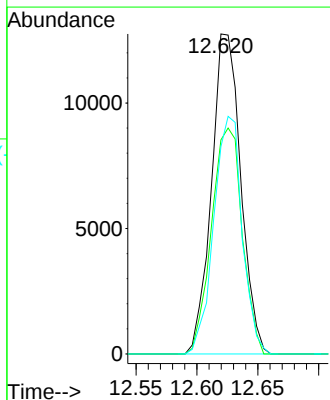
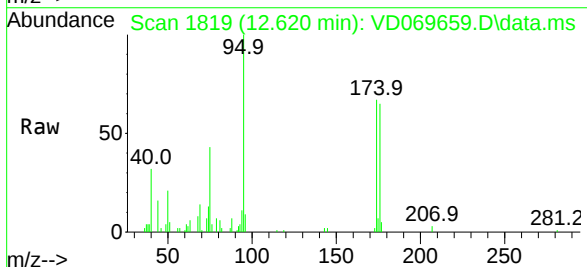
Instrument :
MSVOA_D
ClientSampleId :
RO-ETGI-345

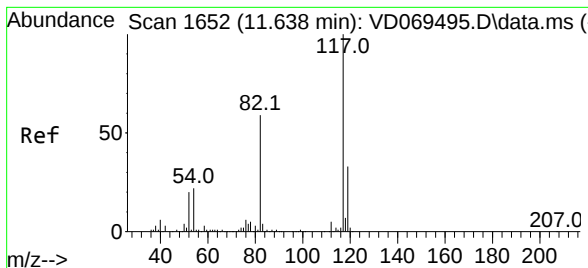
Tgt Ion: 98 Resp: 53708
Ion Ratio Lower Upper
98 100
100 62.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 64.115 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

Tgt Ion: 95 Resp: 21323
Ion Ratio Lower Upper
95 100
174 74.0 0.0 148.0
176 71.9 0.0 139.8

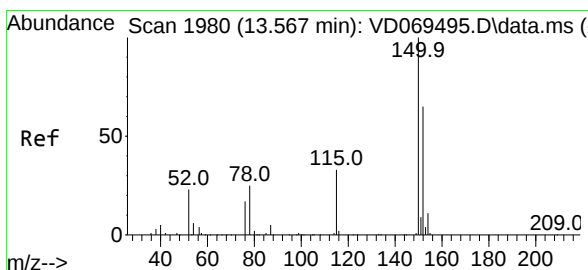
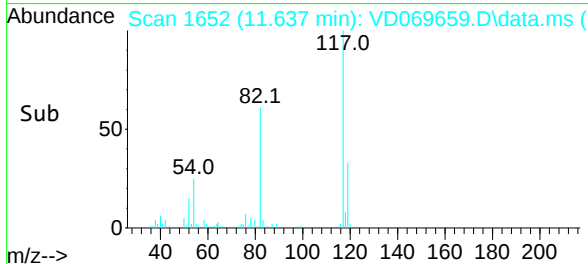
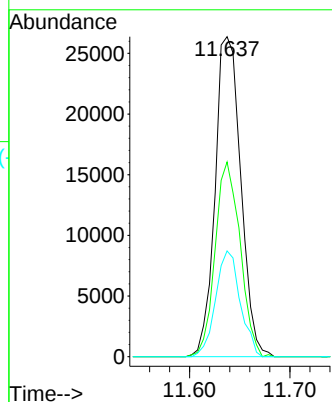
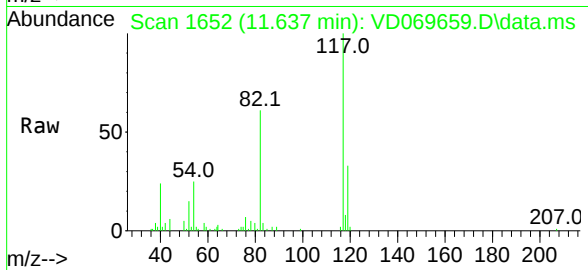




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

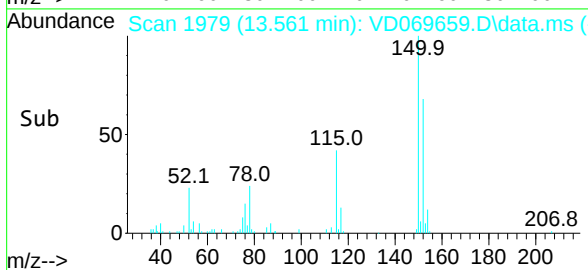
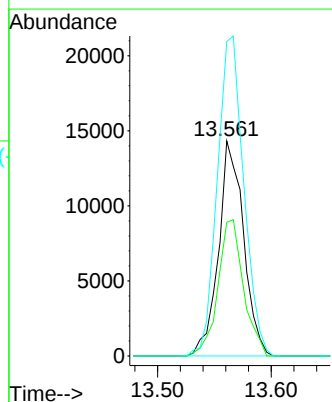
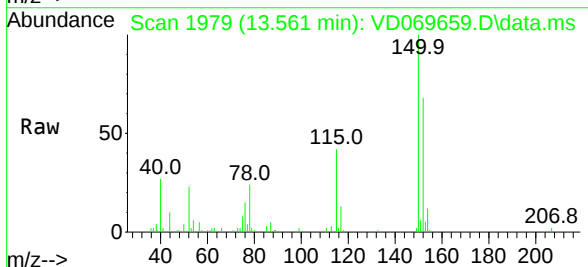
Instrument :
MSVOA_D
ClientSampleId :
RO-ETGI-345

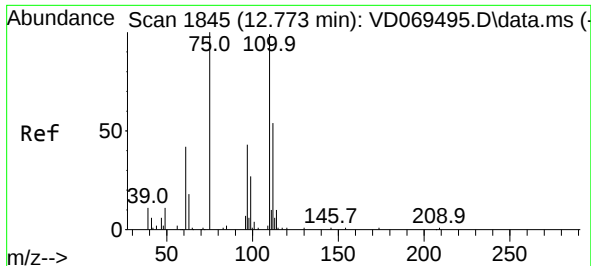
Tgt Ion:	117	Resp:	46996
Ion Ratio	Lower	Upper	
117	100		
82	60.8	46.8	70.2
119	33.0	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

Tgt Ion:	152	Resp:	21950
Ion Ratio	Lower	Upper	
152	100		
115	64.6	31.7	95.1
150	157.4	0.0	350.8

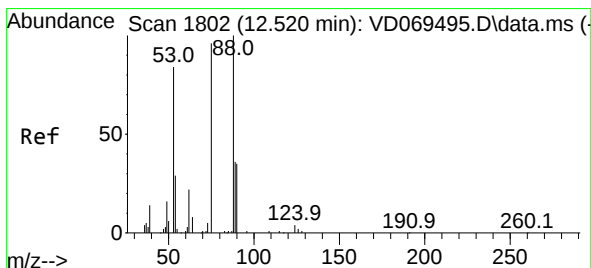
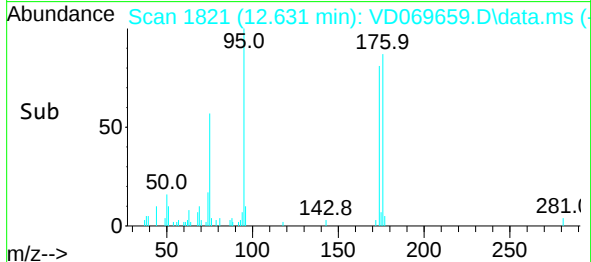
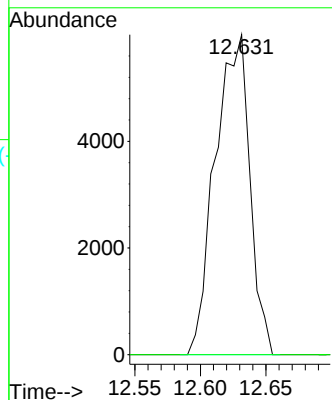
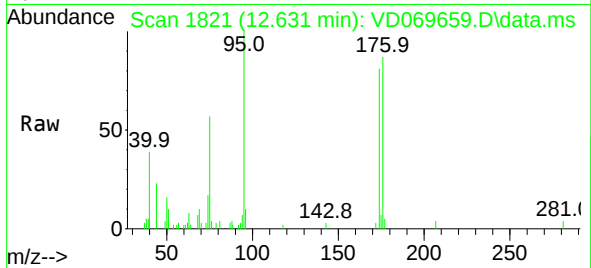




#76
1,2,3-Trichloropropane
Concen: 51.080 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.142 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

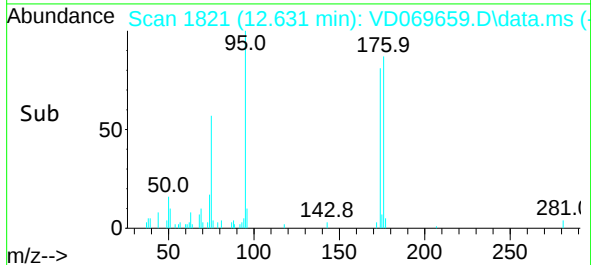
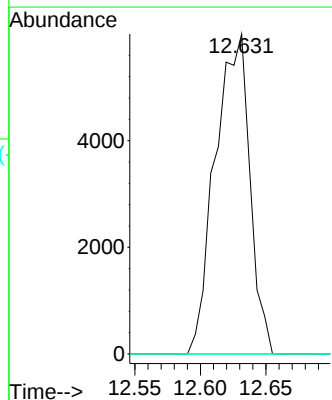
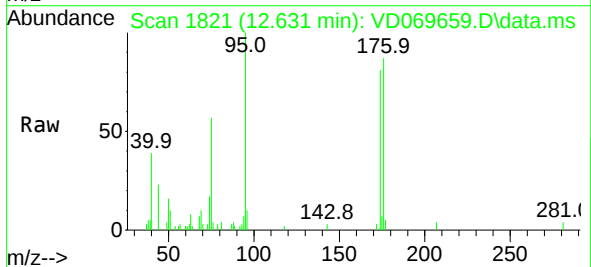
Instrument :
MSVOA_D
ClientSampleId :
RO-ETGI-345

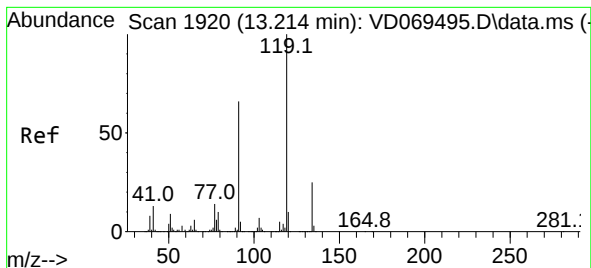
Tgt Ion: 75 Resp: 11006
Ion Ratio Lower Upper
75 100
77 0.0 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.539 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.111 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

Tgt Ion: 75 Resp: 11006
Ion Ratio Lower Upper
75 100
53 0.0 74.6 112.0#
89 0.0 35.3 52.9#

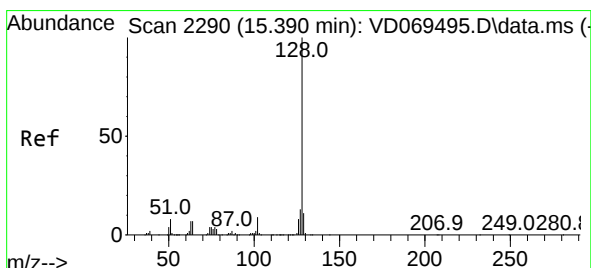
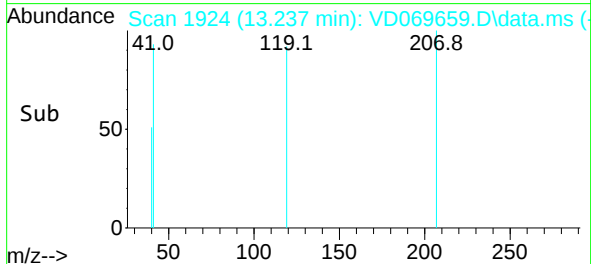
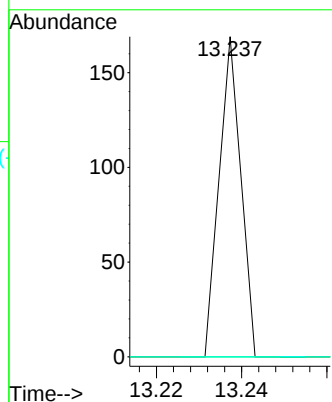
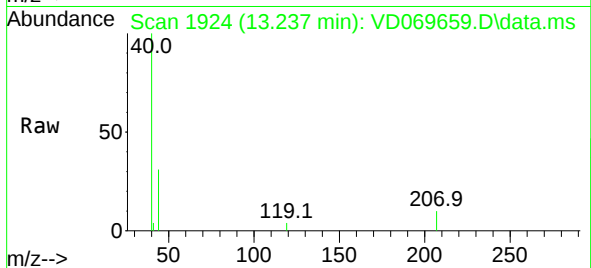




#83
tert-Butylbenzene
Concen: 2.043 ug/l
RT: 13.237 min Scan# 1924
Delta R.T. 0.023 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

Instrument :
MSVOA_D
ClientSampleId :
RO-ETGI-345

Tgt Ion:119 Resp: 60
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.514 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069659.D
Acq: 09 Jul 2021 21:18

Tgt Ion:128 Resp: 117
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

