

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069639.D
 Acq On : 08 Jul 2021 19:54
 Operator : VA/SY
 Sample : M2956-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:06:07 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)

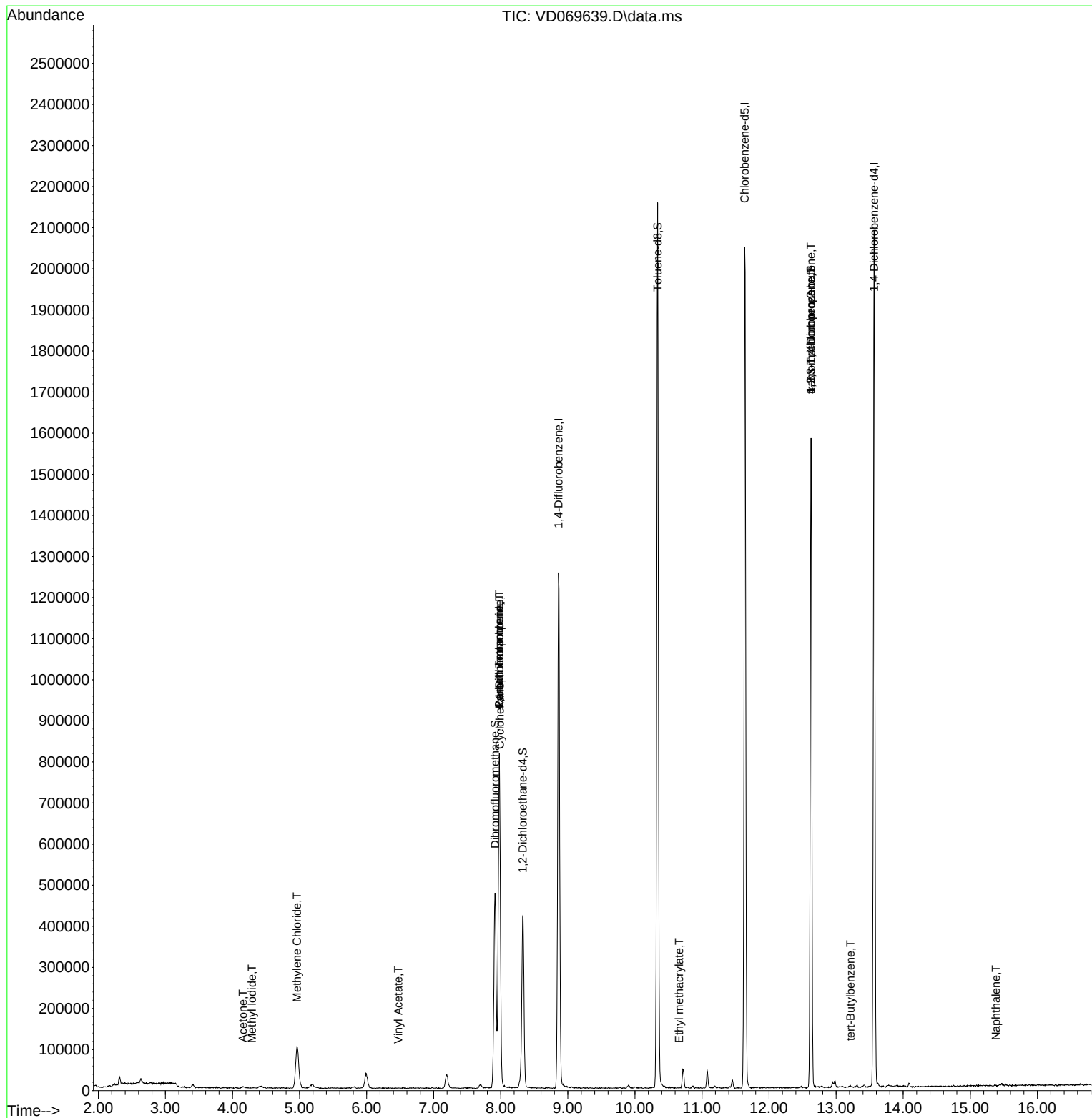
Internal Standards						
1) Pentafluorobenzene	7.979	168	547380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1063092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1174446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	527787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	336290	49.288	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.580%		
35) Dibromofluoromethane	7.914	113	349635	48.653	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.300%		
50) Toluene-d8	10.338	98	1419302	52.654	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.300%		
62) 4-Bromofluorobenzene	12.626	95	530467	59.861	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	119.720%		
Target Compounds						Qvalue
5) Bromomethane	2.779	94	2283	Below Cal	#	74
10) Methyl Iodide	4.291	142	374	4.000	ug/l #	39
11) Tert butyl alcohol	5.208	59	8264	Below Cal	#	83
16) Acetone	4.156	43	5820	5.068	ug/l #	80
18) Methyl Acetate	4.708	43	56	Below Cal	#	49
20) Methylene Chloride	4.961	84	82954	5.694	ug/l	98
23) Vinyl Acetate	6.473	43	148	19.025	ug/l #	70
31) Cyclohexane	7.985	56	13466	1.466	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	49787	4.772	ug/l #	49
38) Carbon Tetrachloride	7.979	117	59764	5.788	ug/l #	19
56) Ethyl methacrylate	10.661	69	168	2.605	ug/l #	15
76) 1,2,3-Trichloropropane	12.626	75	265404	51.227	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	265404	127.908	ug/l #	12
83) tert-Butylbenzene	13.214	119	62	1.994	ug/l #	11
95) Naphthalene	15.384	128	281	3.370	ug/l #	69

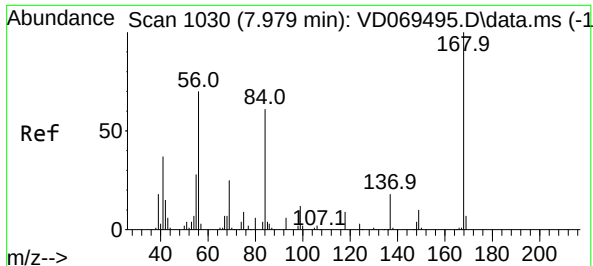
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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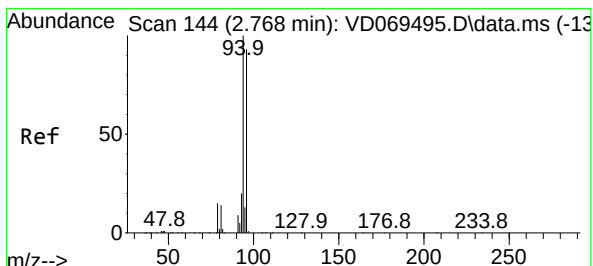
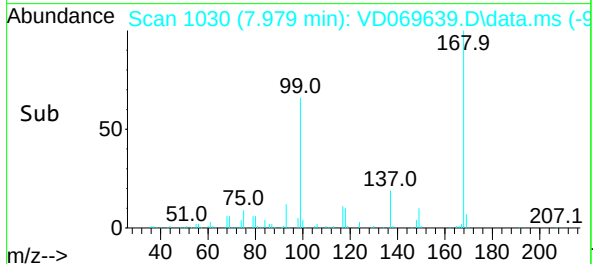
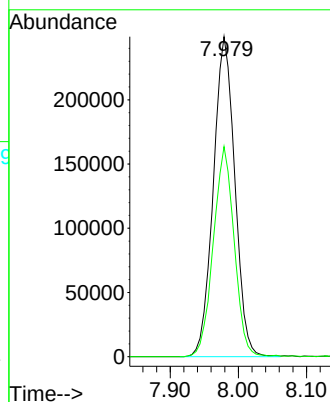
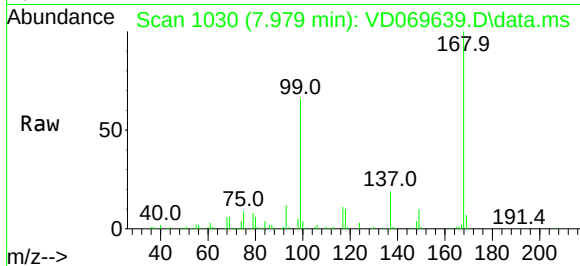




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

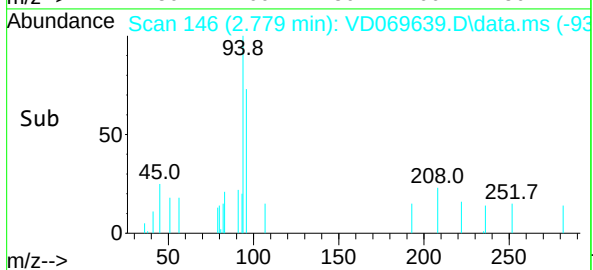
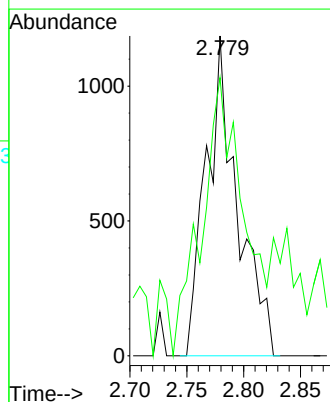
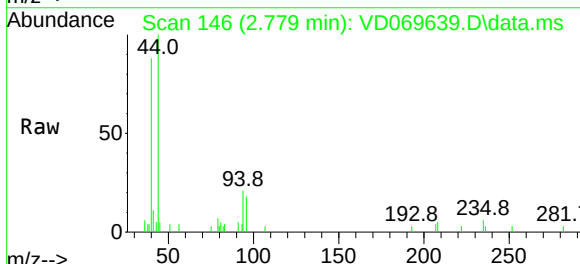
Instrument :
MSVOA_D
ClientSampled :

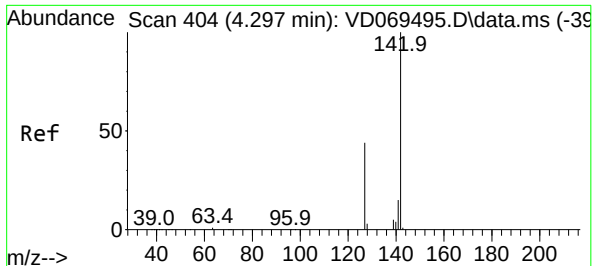
Tgt Ion:168 Resp: 547380
Ion Ratio Lower Upper
168 100
99 65.6 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

Tgt Ion: 94 Resp: 2283
Ion Ratio Lower Upper
94 100
96 68.1 74.6 111.8#

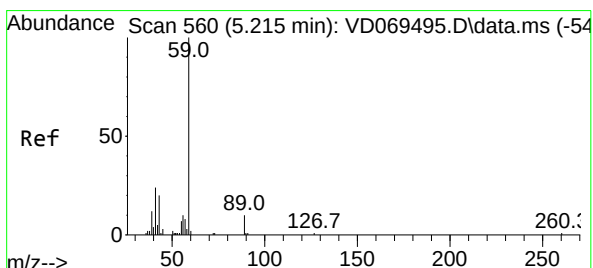
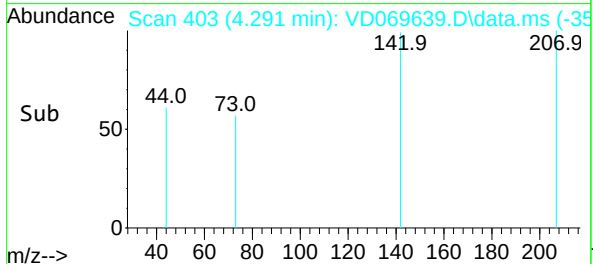
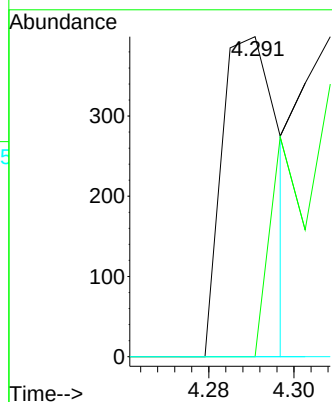
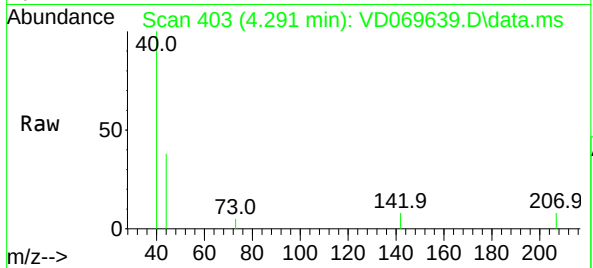




#10
Methyl Iodide
Concen: 4.000 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

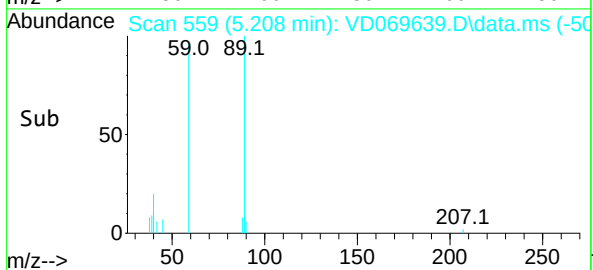
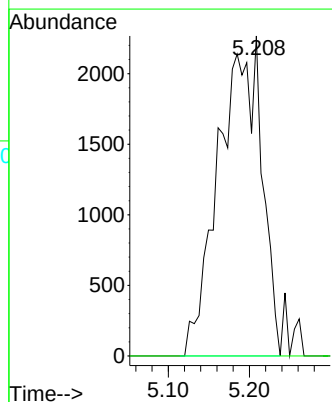
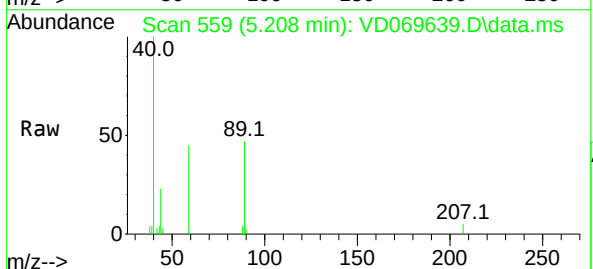
Instrument :
MSVOA_D
ClientSampleId :

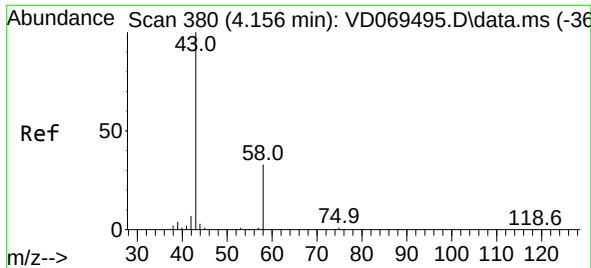
Tgt Ion:142 Resp: 374
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.208 min Scan# 559
Delta R.T. -0.007 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

Tgt Ion: 59 Resp: 8264
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

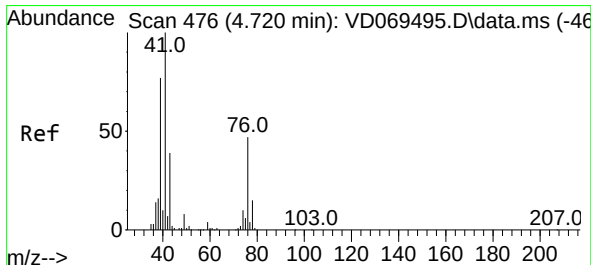
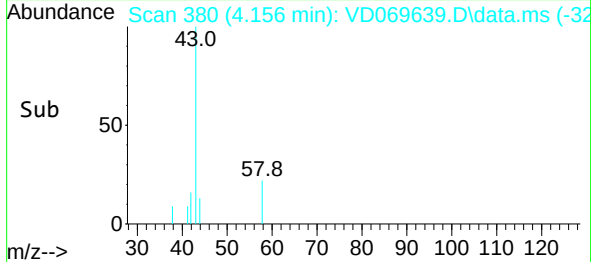
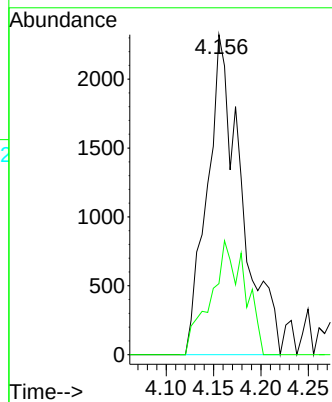
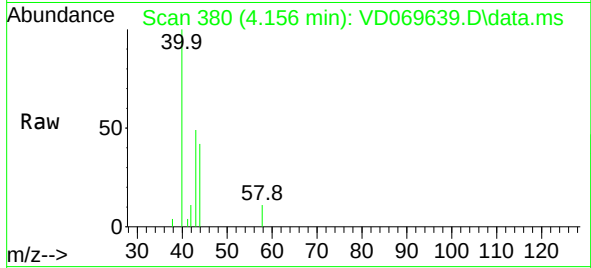




#16
Acetone
Concen: 5.068 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

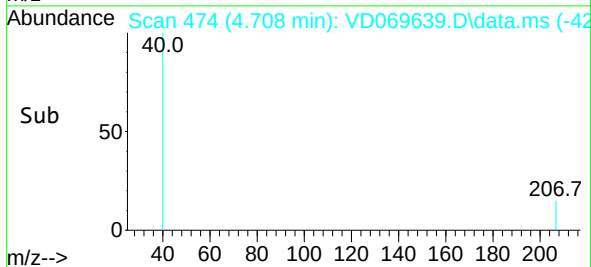
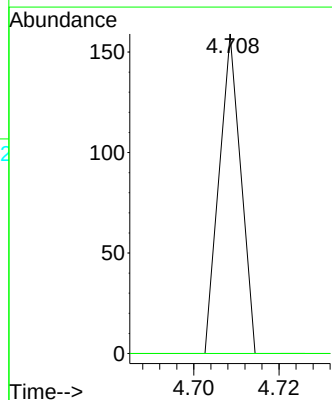
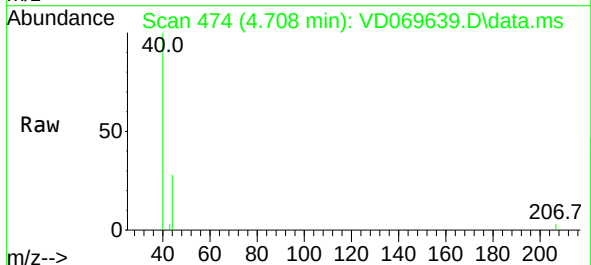
Instrument :
MSVOA_D
ClientSampled :

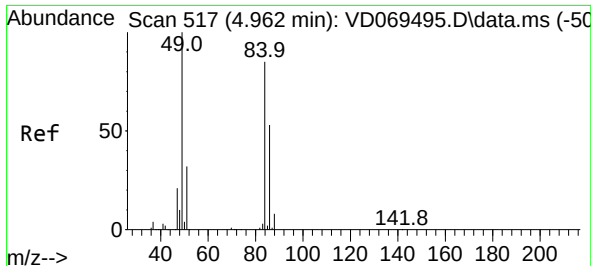
Tgt Ion: 43 Resp: 5820
Ion Ratio Lower Upper
43 100
58 22.2 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.708 min Scan# 474
Delta R.T. -0.011 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

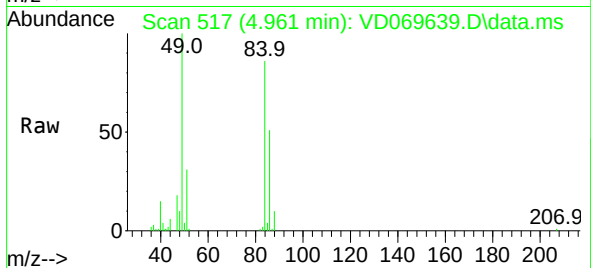
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



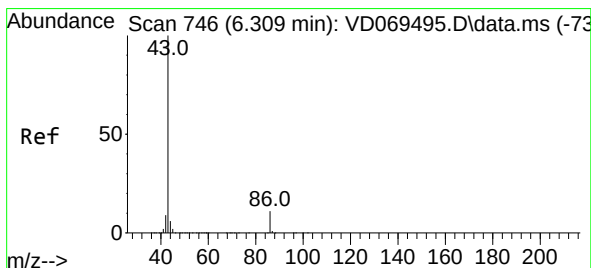
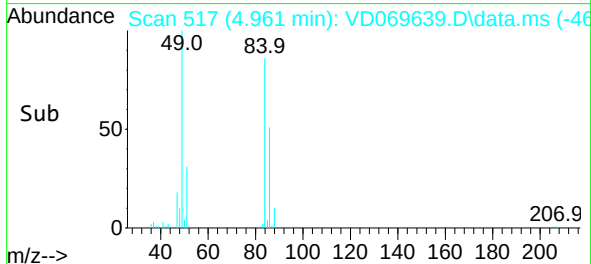
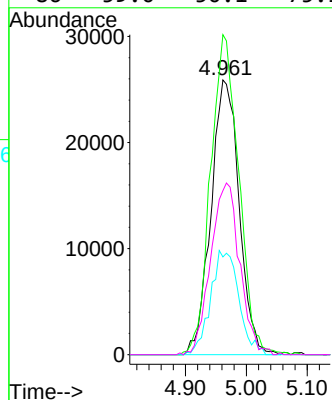


#20
Methylene Chloride
Concen: 5.694 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

Instrument :
MSVOA_D
ClientSampleId :

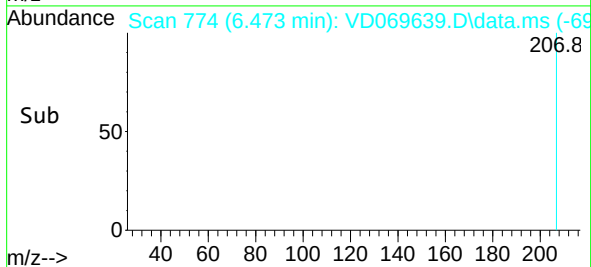
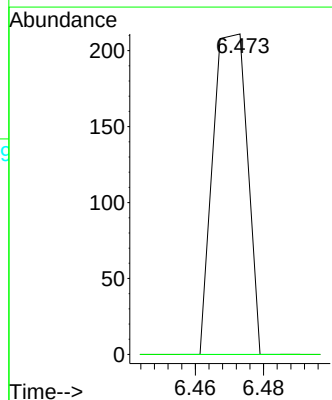
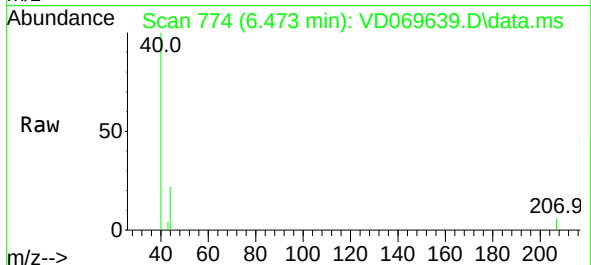


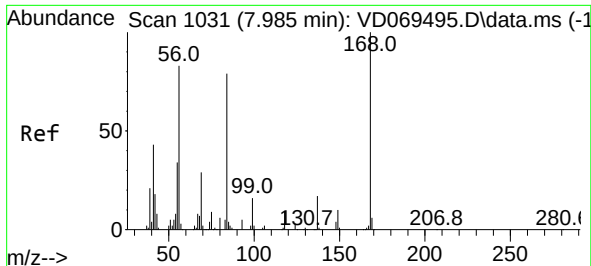
Tgt Ion:	84	Resp:	82954
Ion	Ratio	Lower	Upper
84	100		
49	116.5	94.0	141.0
51	35.6	29.7	44.5
86	59.0	50.1	75.1



#23
Vinyl Acetate
Concen: 19.025 ug/l
RT: 6.473 min Scan# 774
Delta R.T. 0.164 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

Tgt Ion:	43	Resp:	148
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

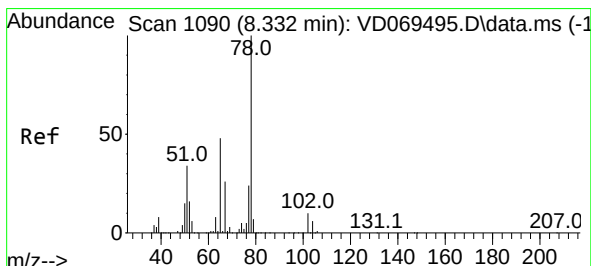
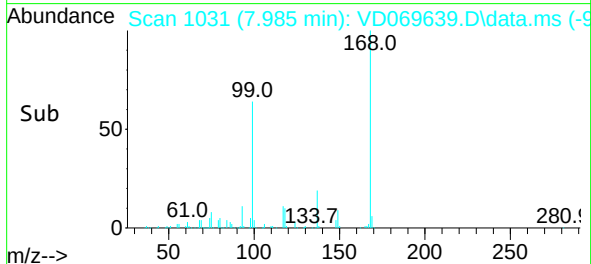
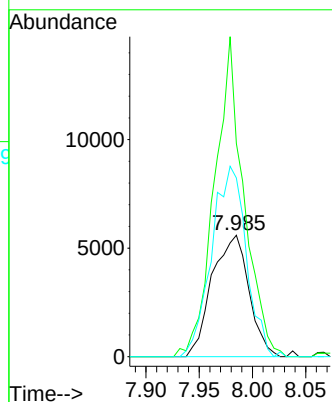
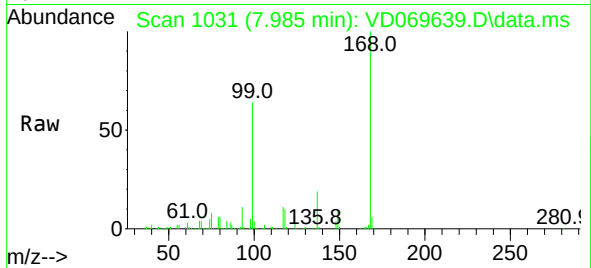




#31
Cyclohexane
Concen: 1.466 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

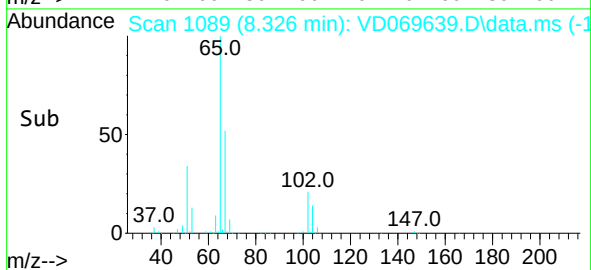
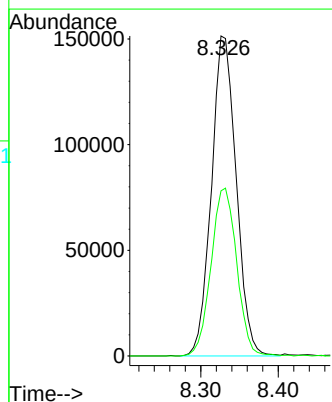
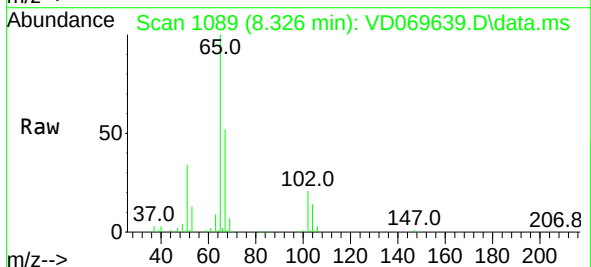
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MSVOA_D
ClientSampleId :

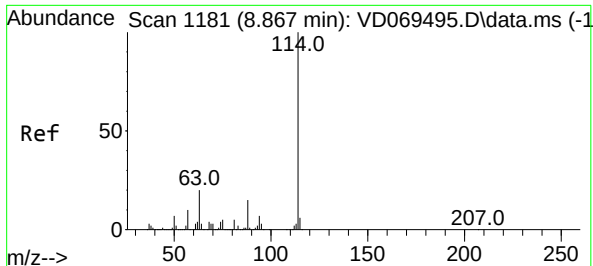
Tgt Ion: 56 Resp: 13466
Ion Ratio Lower Upper
56 100
69 170.7 28.0 42.0#
84 147.2 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 49.288 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

Tgt Ion: 65 Resp: 336290
Ion Ratio Lower Upper
65 100
67 54.4 0.0 105.6



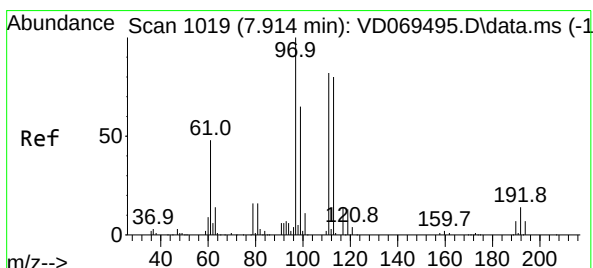
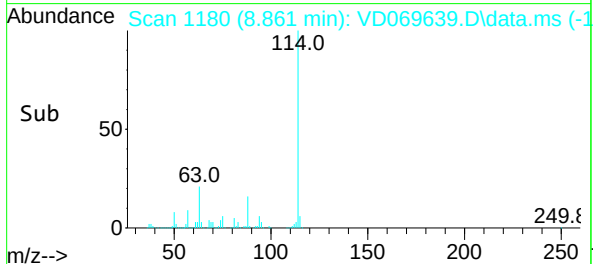
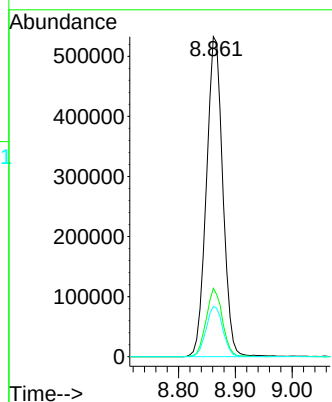
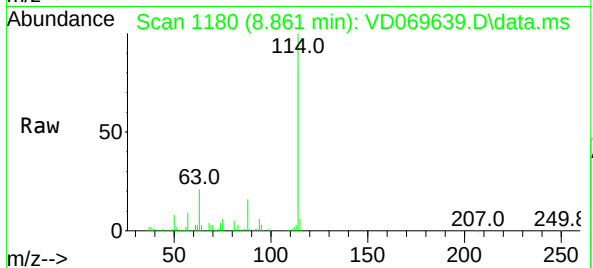


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

Instrument :
MSVOA_D
ClientSampled :

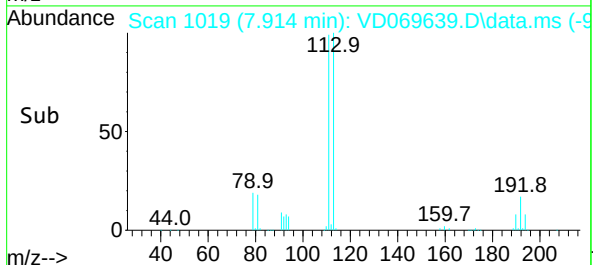
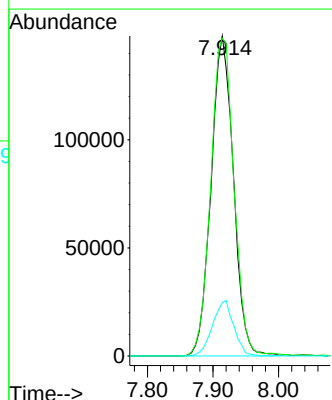
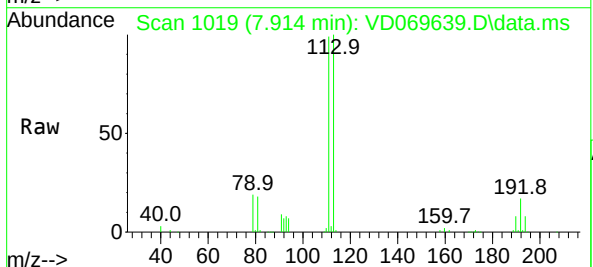
Tgt Ion:114 Resp: 1063092
Ion Ratio Lower Upper
114 100
63 21.4 0.0 39.6
88 15.7 0.0 29.8

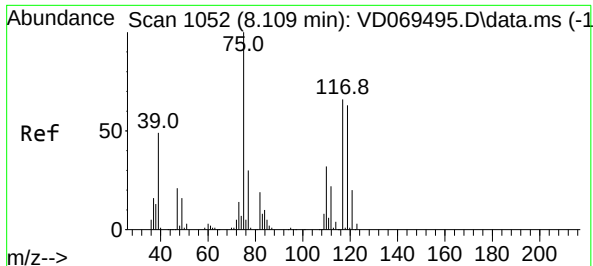


#35

Dibromofluoromethane
Concen: 48.653 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

Tgt Ion:113 Resp: 349635
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.8
192 16.5 13.8 20.6

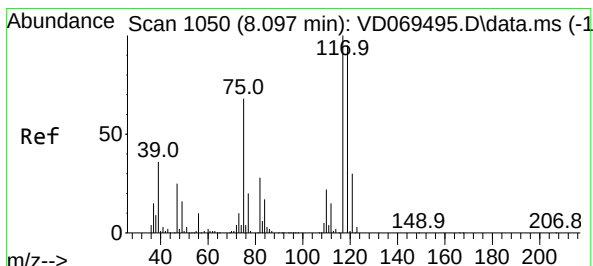
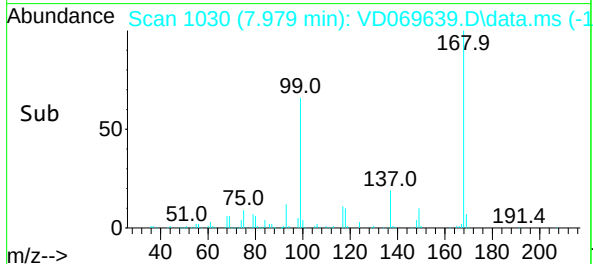
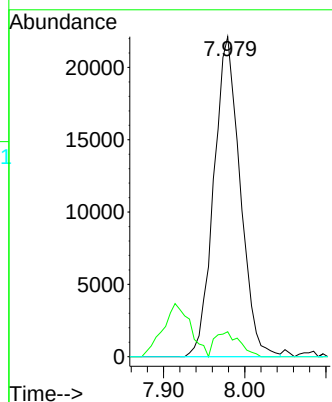
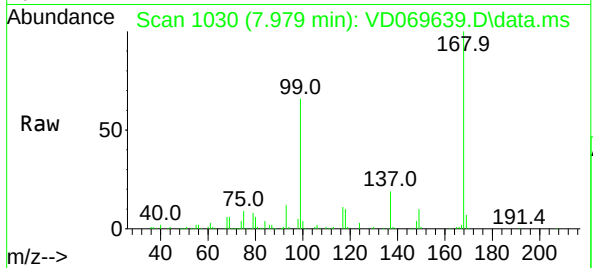




#36
1,1-Dichloropropene
Concen: 4.772 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

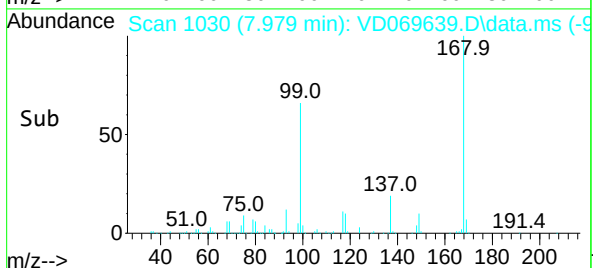
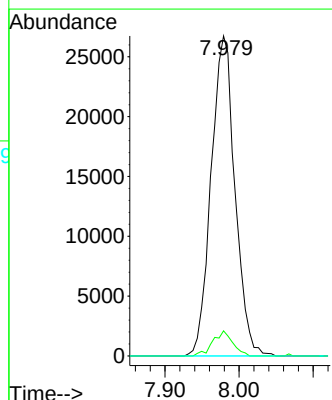
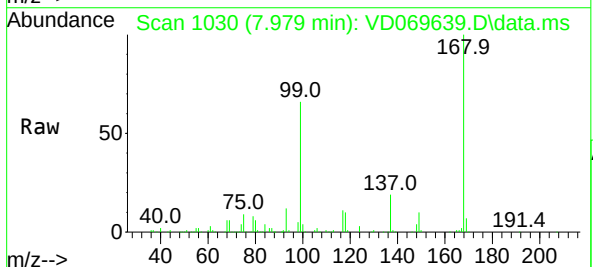
Instrument :
MSVOA_D
ClientSampled :

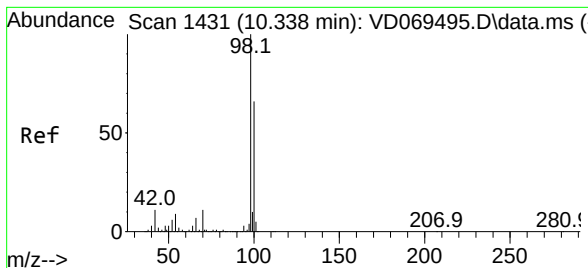
Tgt Ion: 75 Resp: 49787
Ion Ratio Lower Upper
75 100
110 7.3 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.788 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

Tgt Ion: 117 Resp: 59764
Ion Ratio Lower Upper
117 100
119 7.9 75.6 113.4#
121 0.0 23.8 35.8#

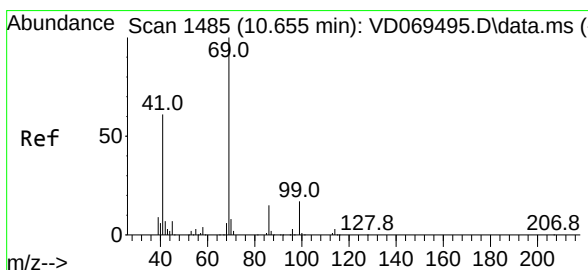
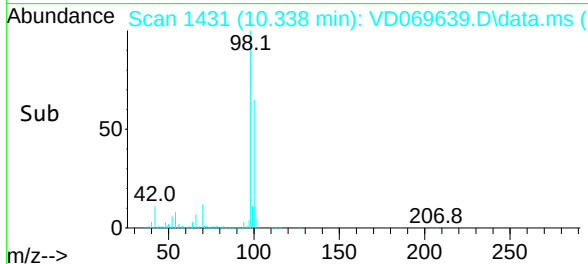
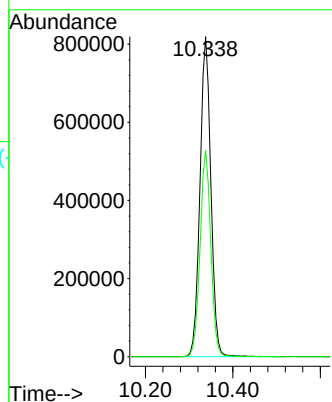
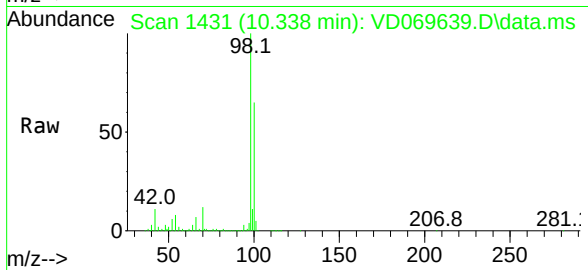




#50
Toluene-d8
Concen: 52.654 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

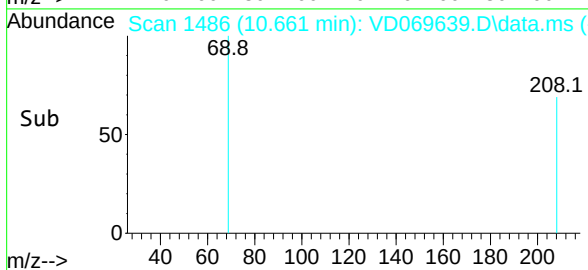
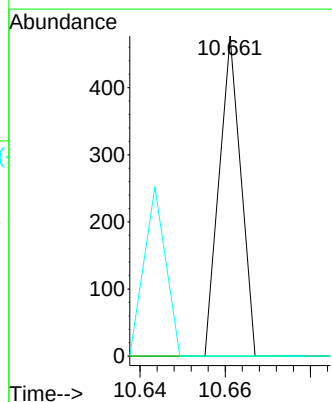
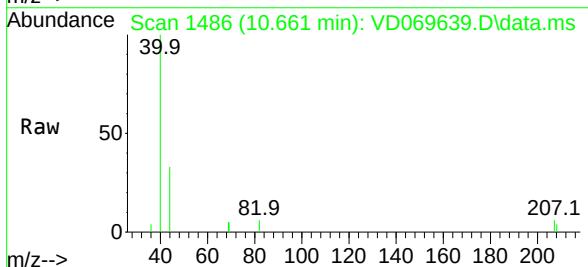
Instrument :
MSVOA_D
ClientSampleId :

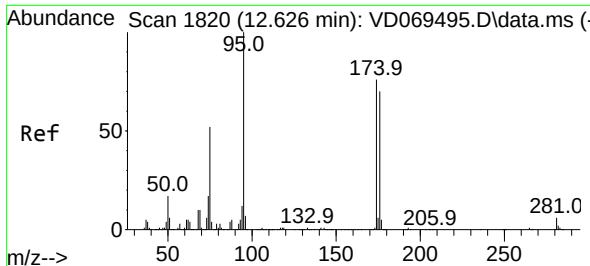
Tgt Ion: 98 Resp: 1419302
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.605 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

Tgt Ion: 69 Resp: 168
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 87.5 26.9 40.3#

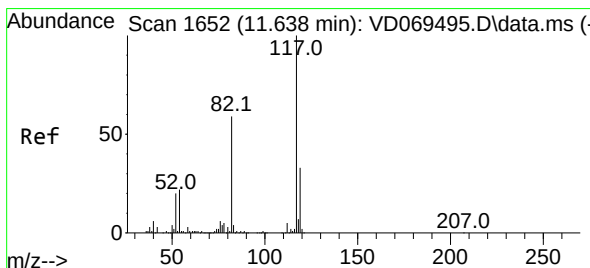
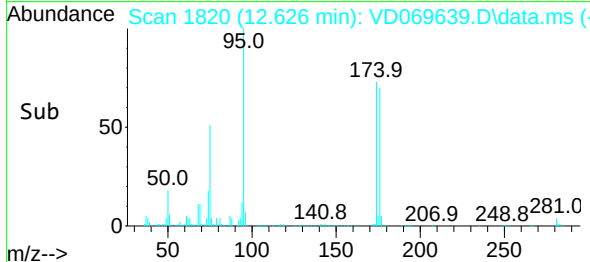
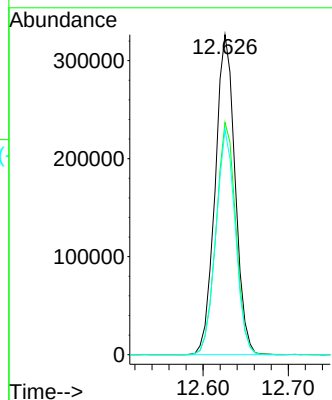
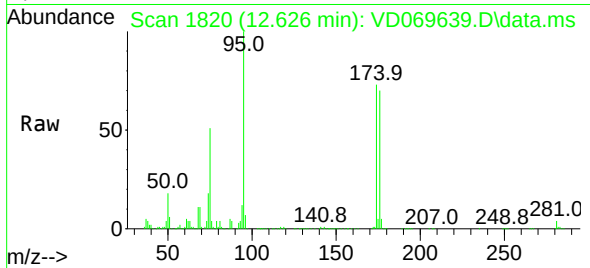




#62
4-Bromofluorobenzene
Concen: 59.861 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

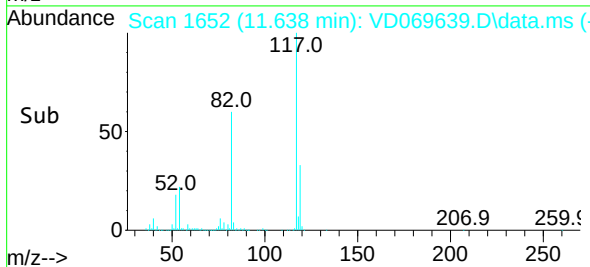
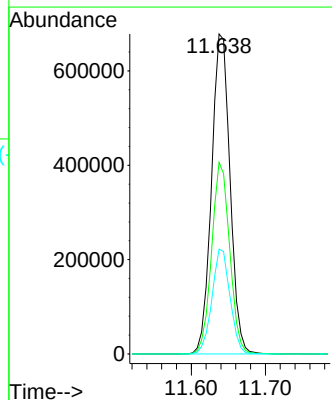
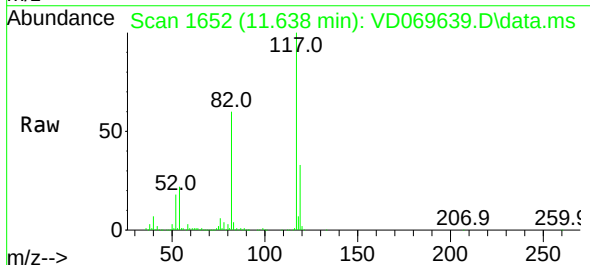
Instrument :
MSVOA_D
ClientSampleId :

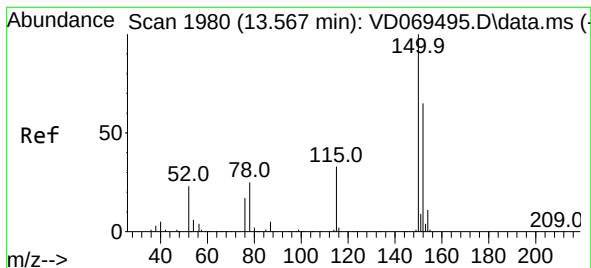
Tgt Ion: 95 Resp: 530467
Ion Ratio Lower Upper
95 100
174 72.0 0.0 148.0
176 68.6 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

Tgt Ion: 117 Resp: 1174446
Ion Ratio Lower Upper
117 100
82 59.9 46.8 70.2
119 32.8 26.2 39.2

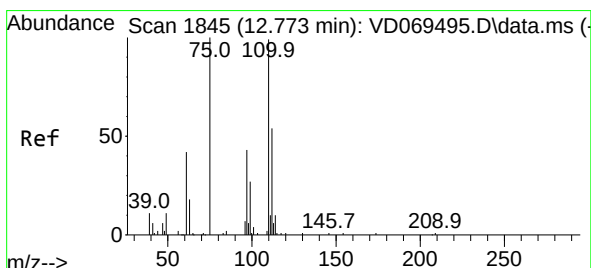
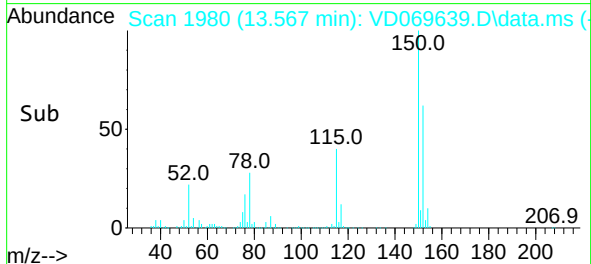
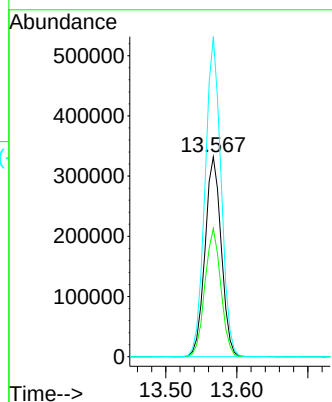
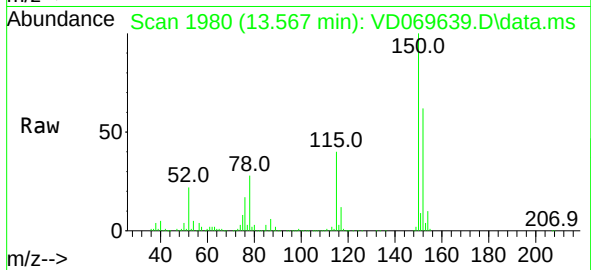




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069639.D
 Acq: 08 Jul 2021 19:54

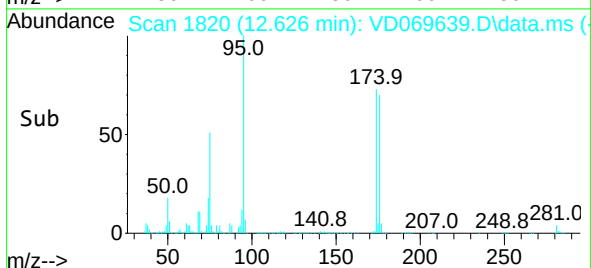
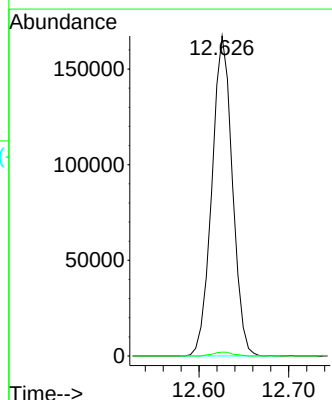
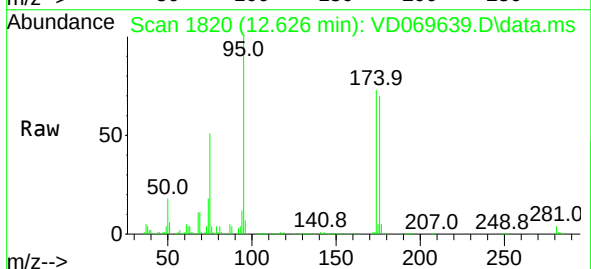
Instrument :
 MSVOA_D
 ClientSampleId :

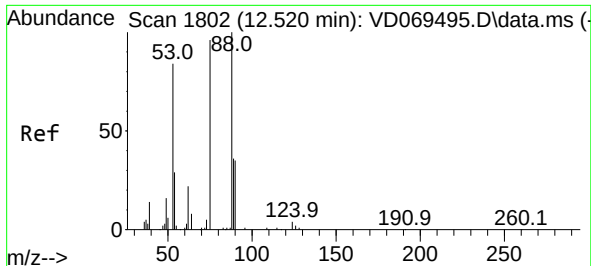
Tgt Ion:152 Resp: 527787
 Ion Ratio Lower Upper
 152 100
 115 62.9 31.7 95.1
 150 157.3 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 51.227 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069639.D
 Acq: 08 Jul 2021 19:54

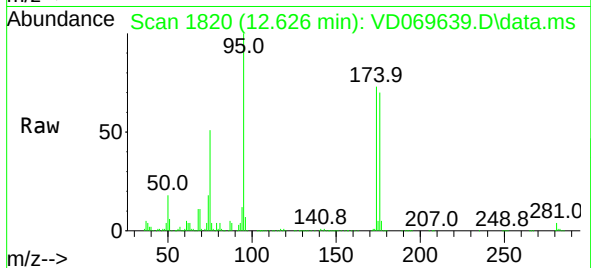
Tgt Ion: 75 Resp: 265404
 Ion Ratio Lower Upper
 75 100
 77 1.2 162.6 487.8#



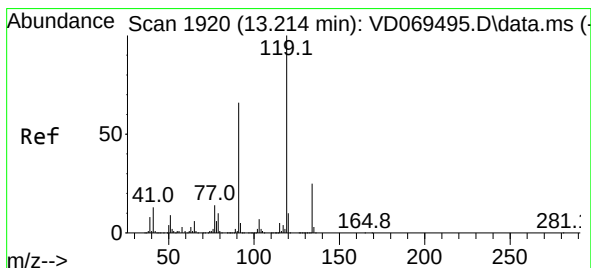
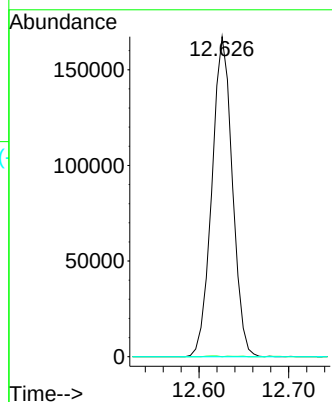
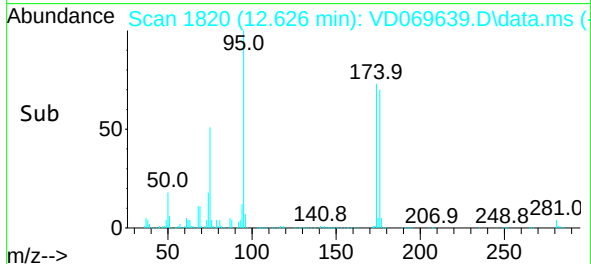


#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.908 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069639.D
 Acq: 08 Jul 2021 19:54

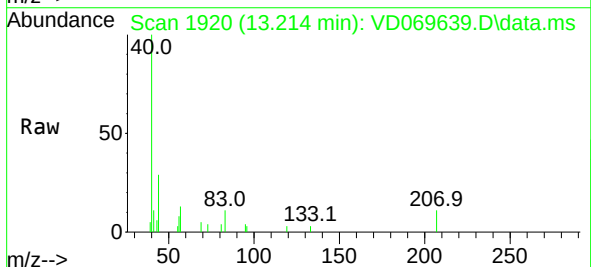
Instrument :
 MSVOA_D
 ClientSampleId :



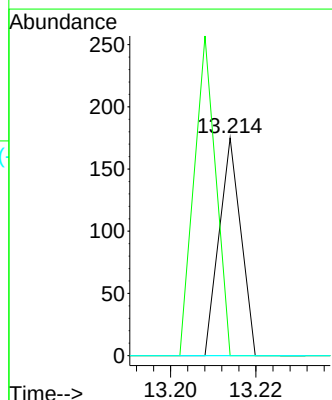
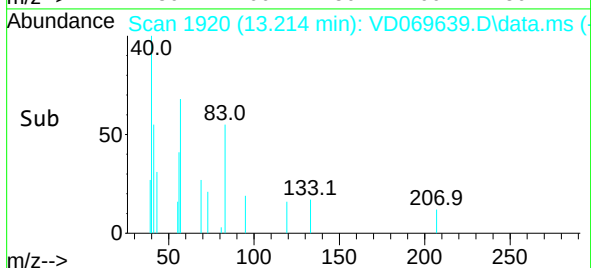
Tgt Ion: 75 Resp: 265404
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.6 112.0#
 89 0.0 35.3 52.9#

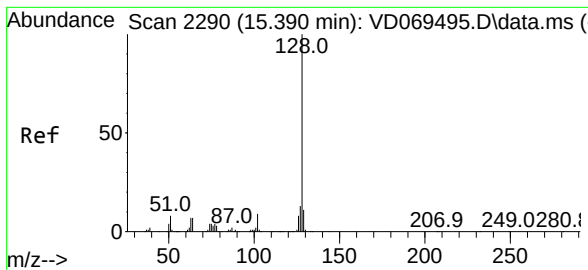


#83
 tert-Butylbenzene
 Concen: 1.994 ug/l
 RT: 13.214 min Scan# 1920
 Delta R.T. -0.000 min
 Lab File: VD069639.D
 Acq: 08 Jul 2021 19:54



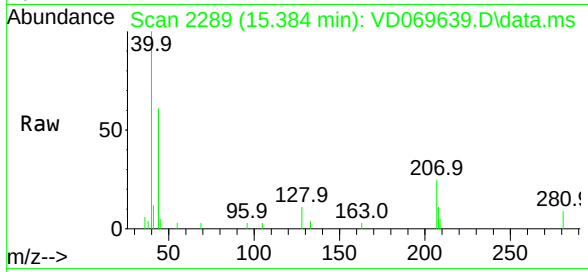
Tgt Ion: 119 Resp: 62
 Ion Ratio Lower Upper
 119 100
 91 146.8 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.370 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069639.D
Acq: 08 Jul 2021 19:54

Instrument :
MSVOA_D
ClientSampleId :



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

