

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062121\
 Data File : VD069508.D
 Acq On : 21 Jun 2021 19:18
 Operator : VA/SY
 Sample : M2793-03
 Misc : 6.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 22 05:09:51 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)

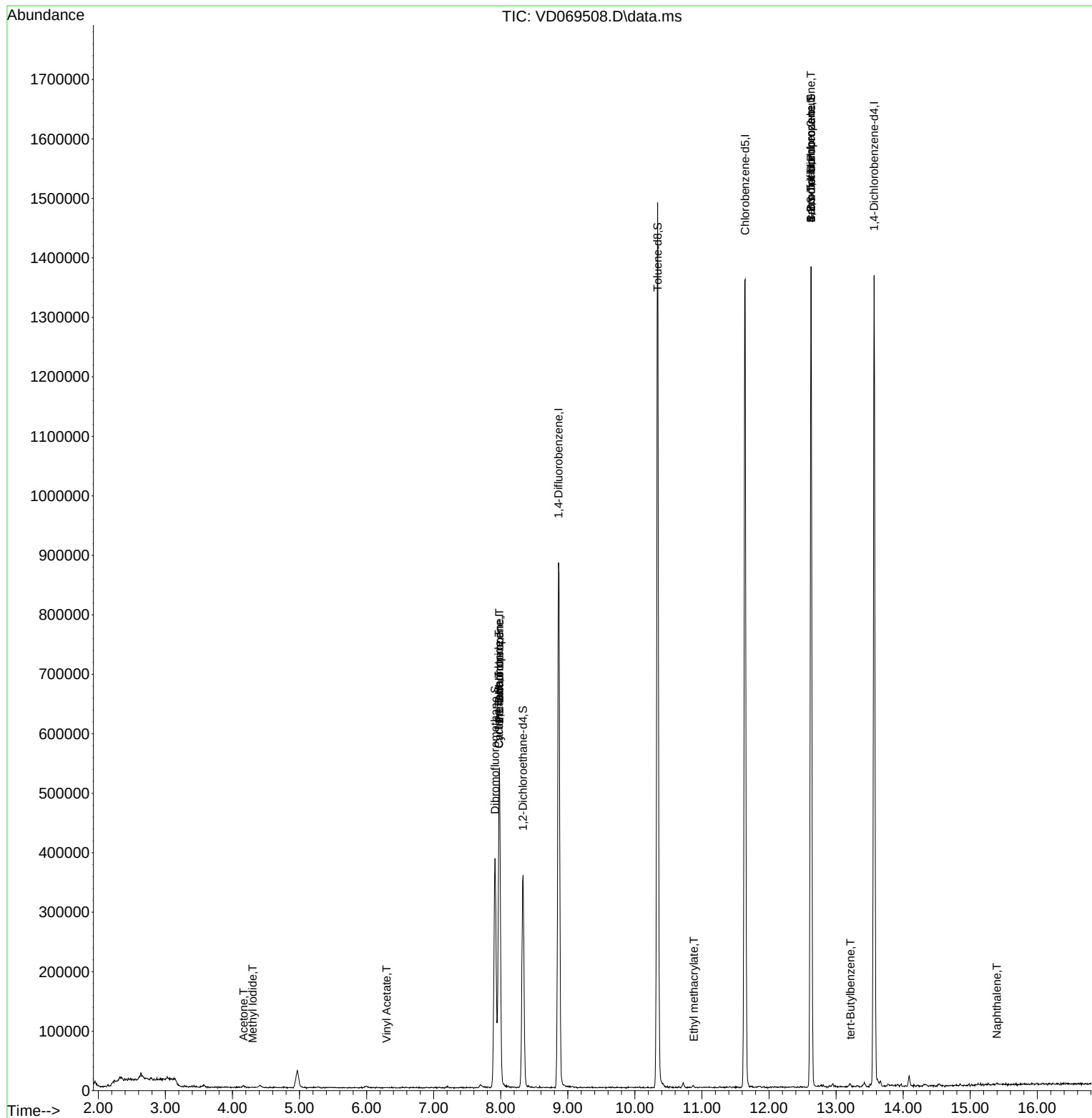
Internal Standards						
1) Pentafluorobenzene	7.979	168	371942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	734322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	782100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	347053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	285486	61.578	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.160%			
35) Dibromofluoromethane	7.914	113	274824	55.365	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.720%			
50) Toluene-d8	10.338	98	980734	52.673	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.340%			
62) 4-Bromofluorobenzene	12.626	95	347053	56.697	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.400%			
Target Compounds						
5) Bromomethane	2.779	94	1698	Below Cal		97
10) Methyl Iodide	4.303	142	357	4.025 ug/l #		61
11) Tert butyl alcohol	5.209	59	91	Below Cal #		83
16) Acetone	4.168	43	4057	5.199 ug/l		92
18) Methyl Acetate	4.732	43	61	Below Cal #		49
20) Methylene Chloride	4.967	84	21943	Below Cal		93
23) Vinyl Acetate	6.297	43	59	19.019 ug/l #		70
31) Cyclohexane	7.973	56	10769	1.725 ug/l #		38
36) 1,1-Dichloropropene	7.979	75	35624	4.943 ug/l #		50
38) Carbon Tetrachloride	7.973	117	40761	5.715 ug/l #		18
56) Ethyl methacrylate	10.879	69	91	2.600 ug/l #		1
71) Bromoform	12.626	173	2931	1.023 ug/l #		28
76) 1,2,3-Trichloropropane	12.626	75	181678	53.329 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	181678	133.154 ug/l #		13
83) tert-Butylbenzene	13.214	119	639	2.026 ug/l		79
95) Naphthalene	15.396	128	2123	3.538 ug/l #		84

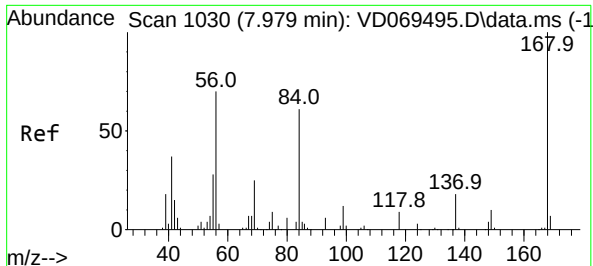
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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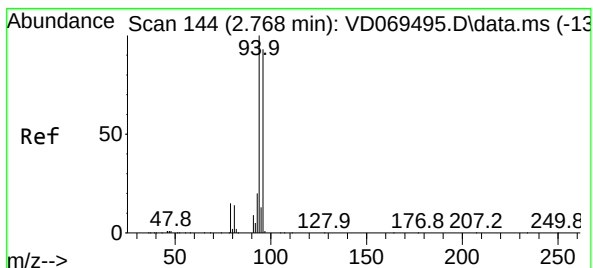
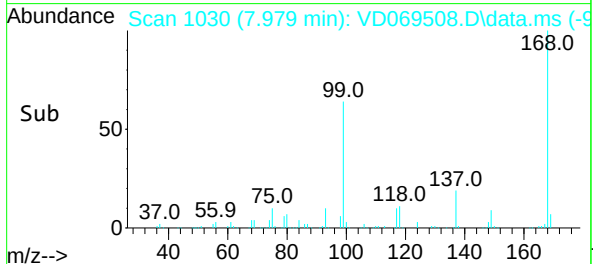
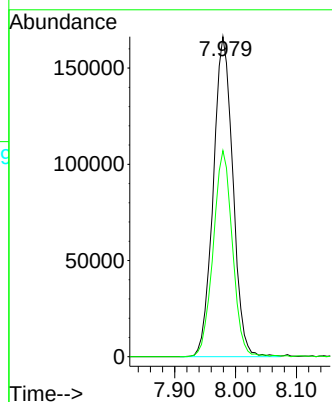
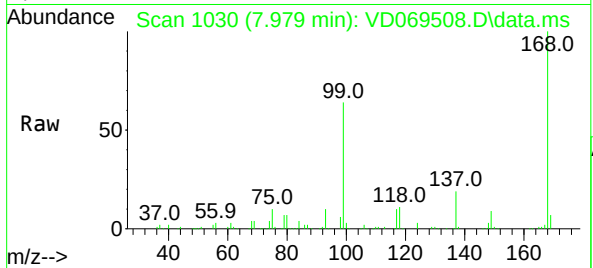




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

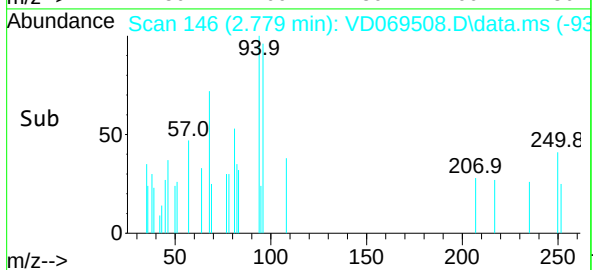
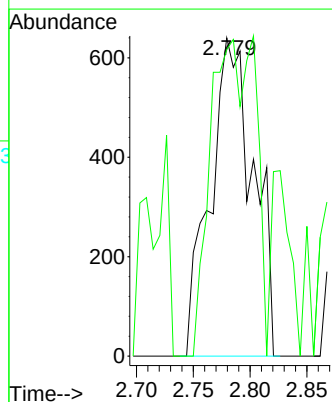
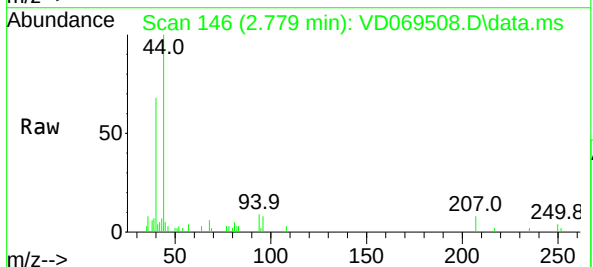
Instrument :
MSVOA_D
ClientSampled :

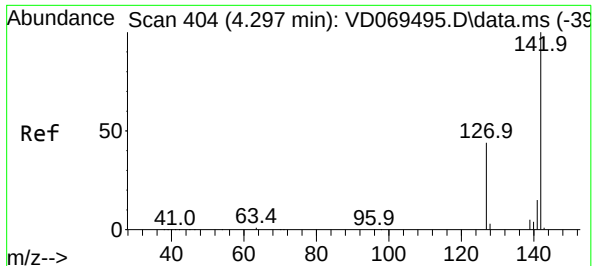
Tgt Ion:168 Resp: 371942
Ion Ratio Lower Upper
168 100
99 64.4 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

Tgt Ion: 94 Resp: 1698
Ion Ratio Lower Upper
94 100
96 96.4 74.6 111.8

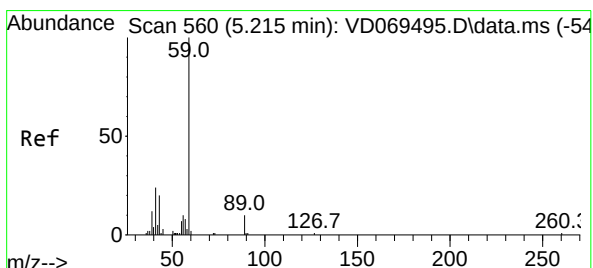
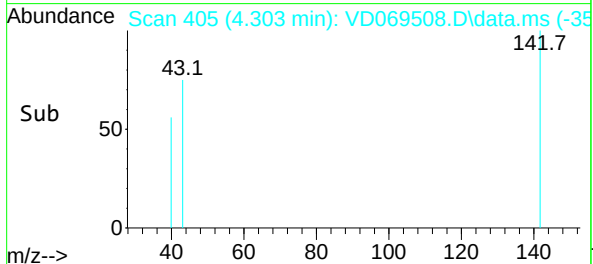
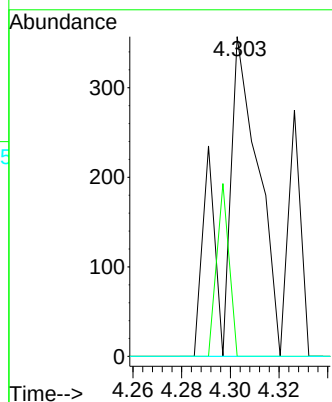
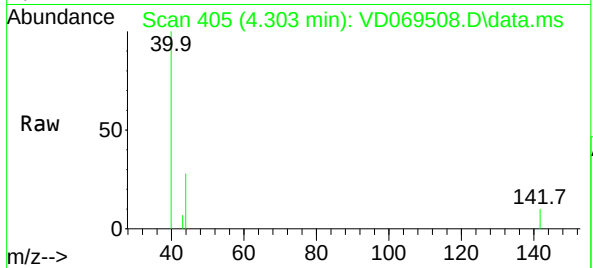




#10
Methyl Iodide
Concen: 4.025 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

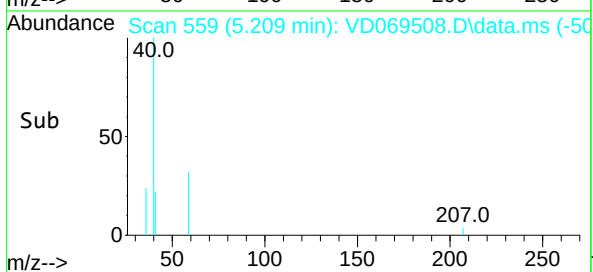
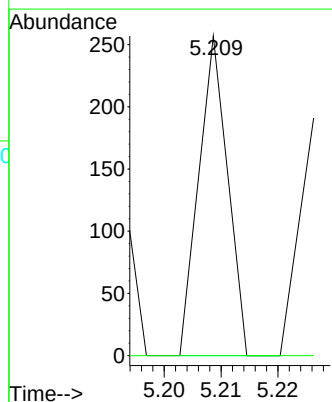
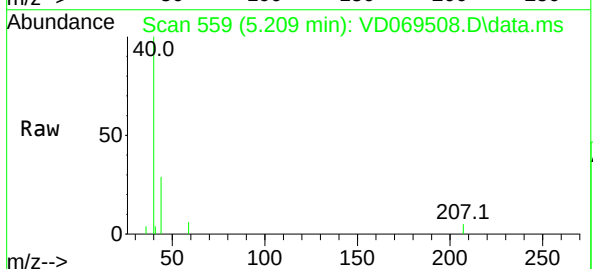
Instrument :
MSVOA_D
ClientSampled :

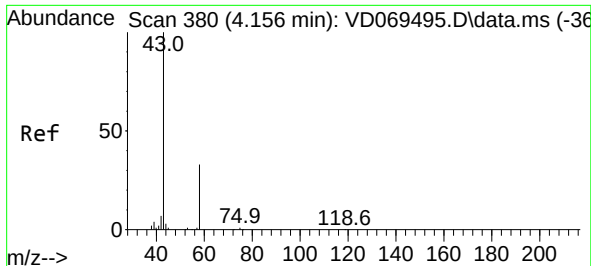
Tgt Ion:142 Resp: 357
Ion Ratio Lower Upper
142 100
127 19.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.006 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

Tgt Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

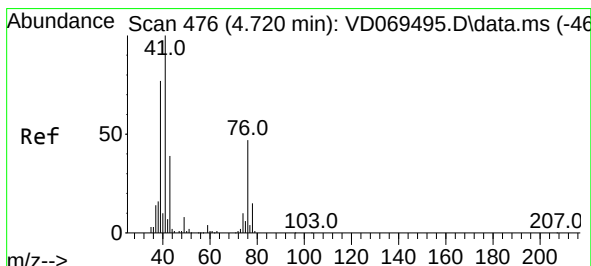
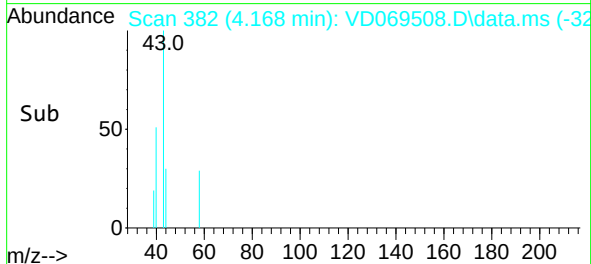
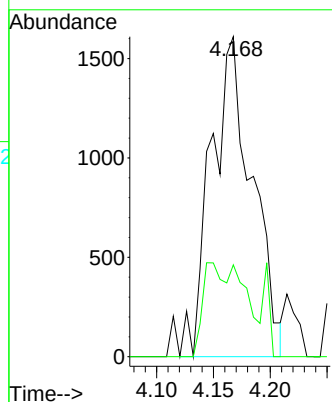
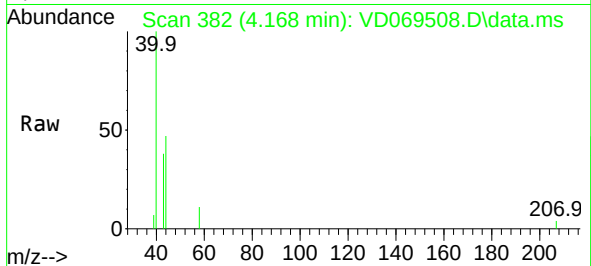




#16
Acetone
Concen: 5.199 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

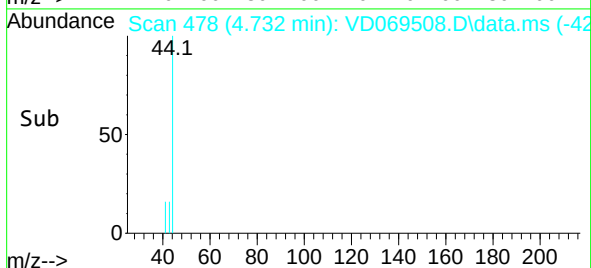
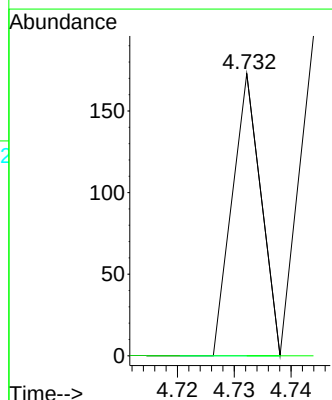
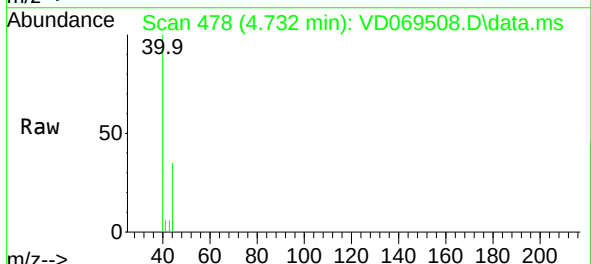
Instrument :
MSVOA_D
ClientSampled :

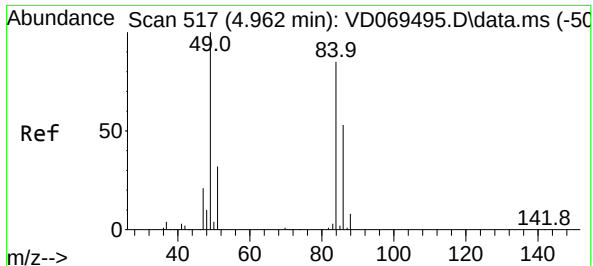
Tgt Ion: 43 Resp: 4057
Ion Ratio Lower Upper
43 100
58 28.7 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

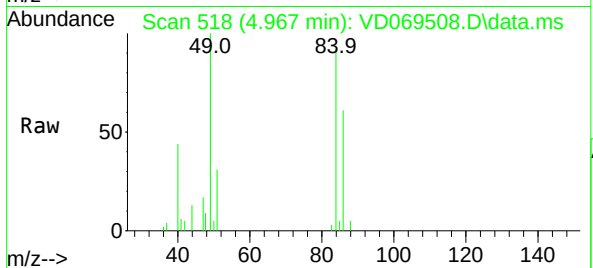
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



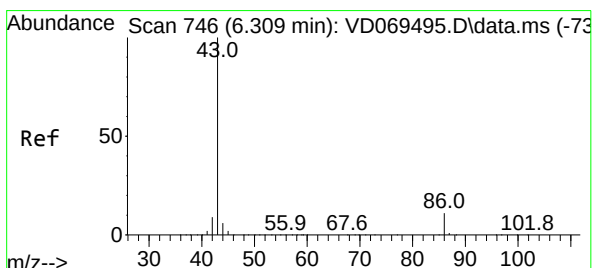
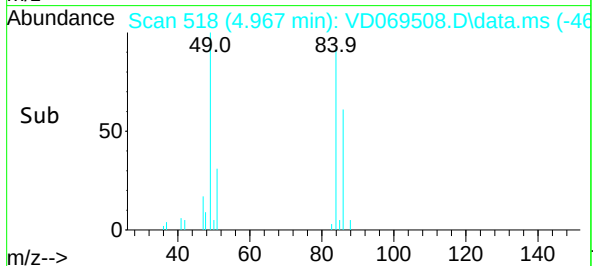
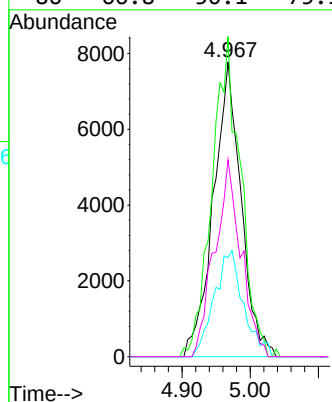


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

Instrument :
MSVOA_D
ClientSampleId :

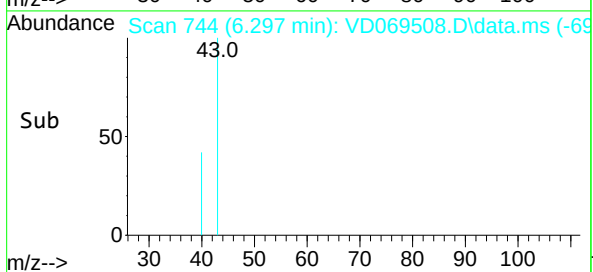
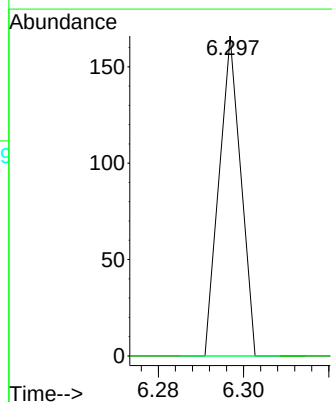
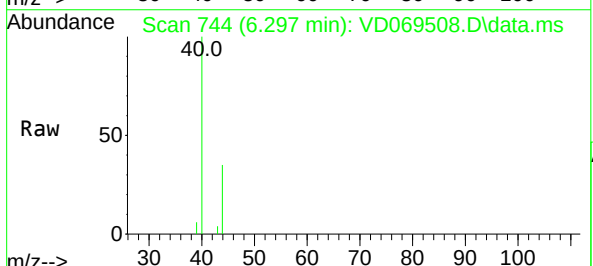


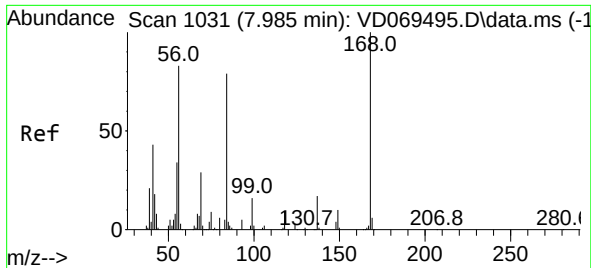
Tgt Ion: 84	Resp: 21943
Ion Ratio	Lower Upper
84 100	
49 108.5	94.0 141.0
51 33.6	29.7 44.5
86 66.8	50.1 75.1



#23
Vinyl Acetate
Concen: 19.019 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.012 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

Tgt Ion: 43	Resp: 59		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	9.1	13.7#	

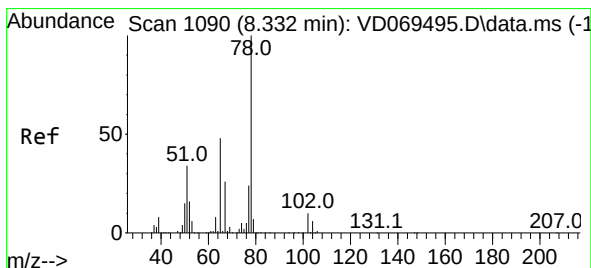
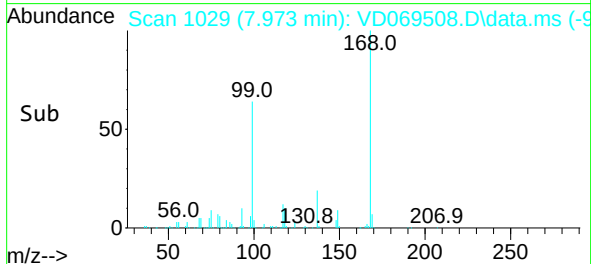
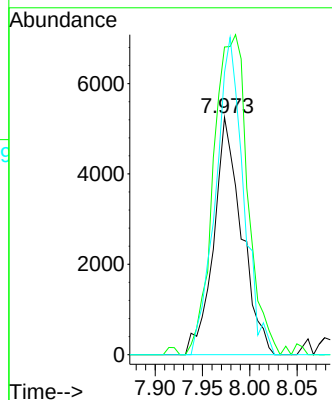
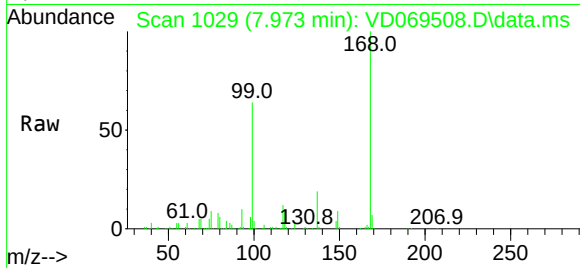




#31
Cyclohexane
Concen: 1.725 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

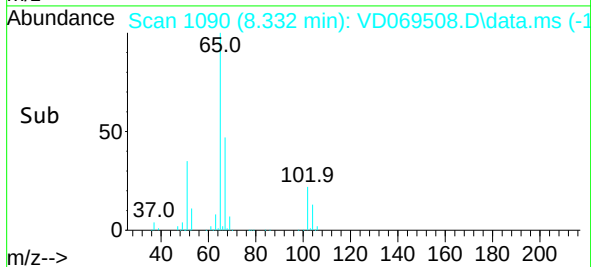
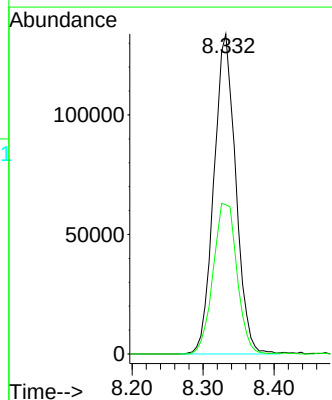
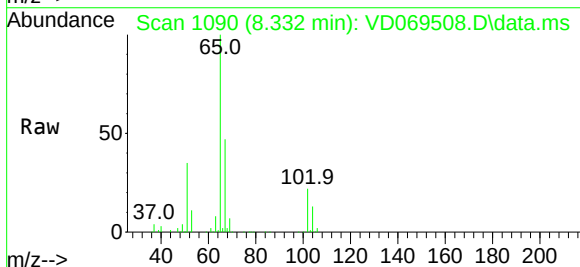
Instrument :
MSVOA_D
ClientSampleId :

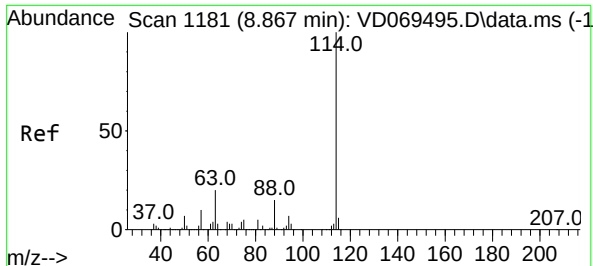
Tgt Ion: 56 Resp: 10769
Ion Ratio Lower Upper
56 100
69 129.7 28.0 42.0#
84 119.0 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 61.578 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

Tgt Ion: 65 Resp: 285486
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.6



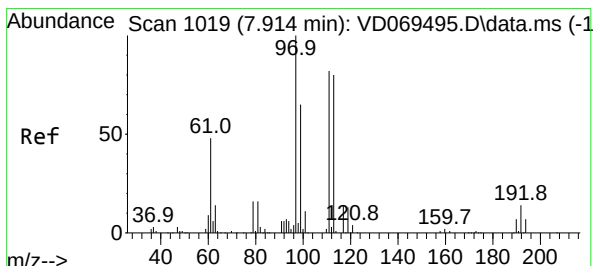
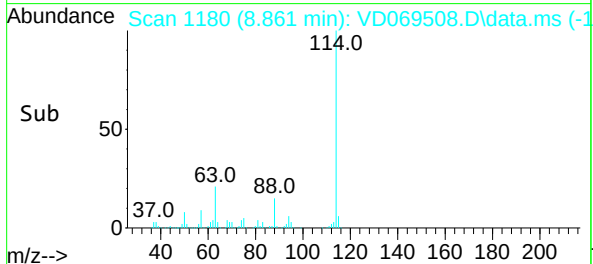
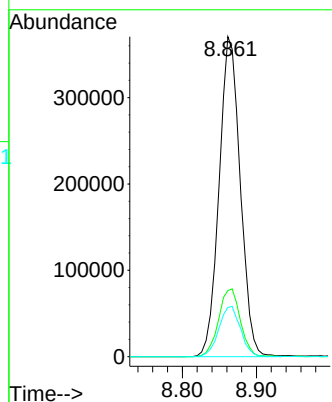
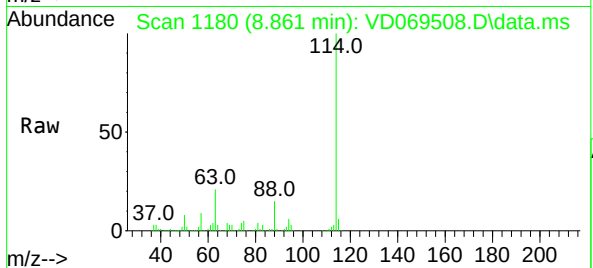


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

Instrument :
MSVOA_D
ClientSampleId :

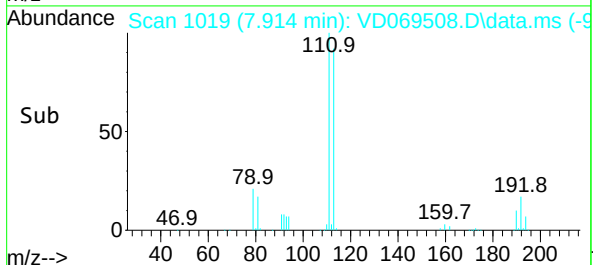
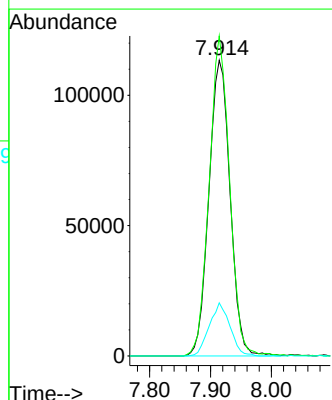
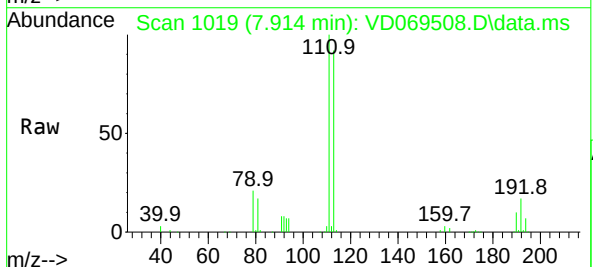
Tgt Ion:114 Resp: 734322
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.6
88 15.4 0.0 29.8

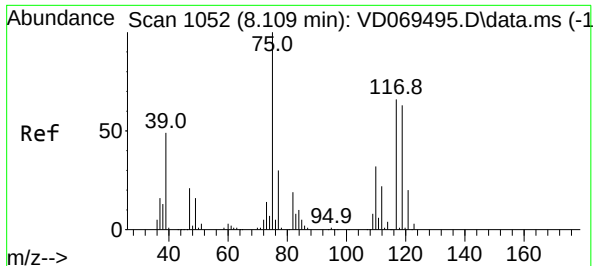


#35

Dibromofluoromethane
Concen: 55.365 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

Tgt Ion:113 Resp: 274824
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.8
192 17.5 13.8 20.6





#36

1,1-Dichloropropene

Concen: 4.943 ug/l

RT: 7.979 min Scan# 1030

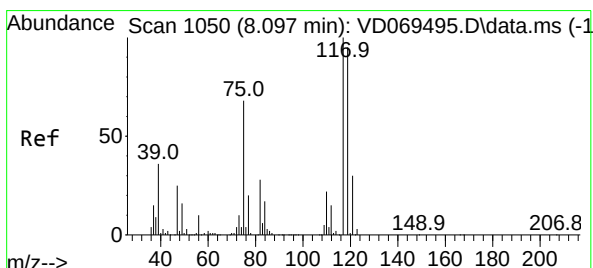
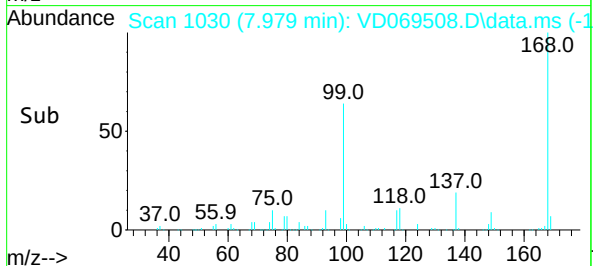
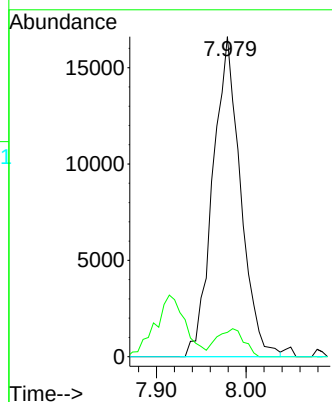
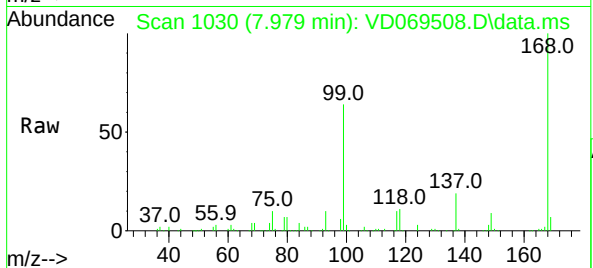
Delta R.T. -0.129 min

Lab File: VD069508.D

Acq: 21 Jun 2021 19:18

Tgt Ion:	75	Resp:	35624
Ion Ratio	Lower	Upper	
75	100		
110	8.5	16.8	50.4#
77	0.0	24.3	36.5#

Instrument :
MSVOA_D
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.715 ug/l

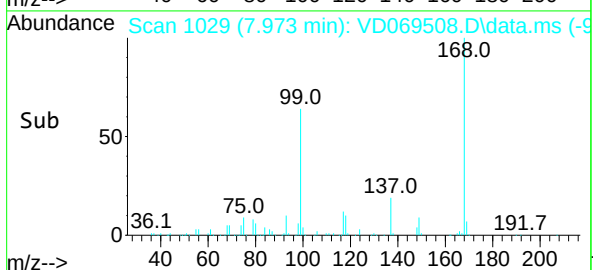
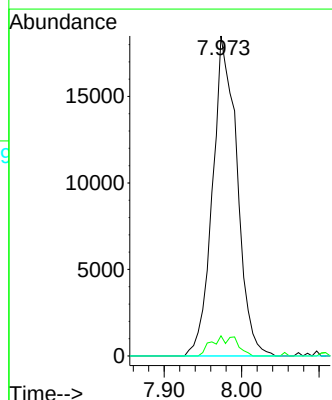
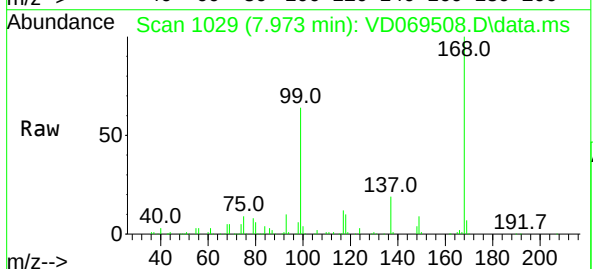
RT: 7.973 min Scan# 1029

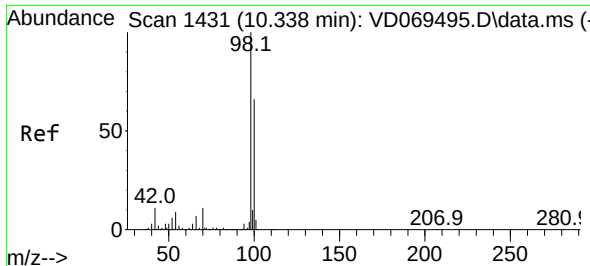
Delta R.T. -0.124 min

Lab File: VD069508.D

Acq: 21 Jun 2021 19:18

Tgt Ion:	117	Resp:	40761
Ion Ratio	Lower	Upper	
117	100		
119	6.3	75.6	113.4#
121	0.0	23.8	35.8#

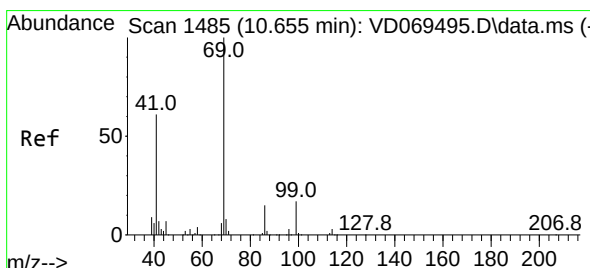
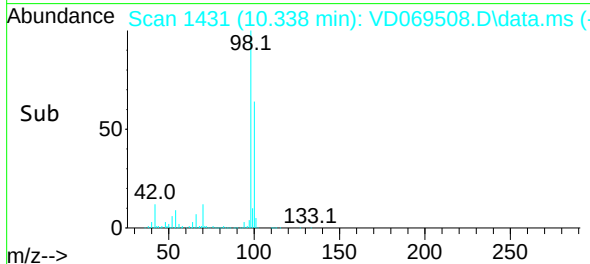
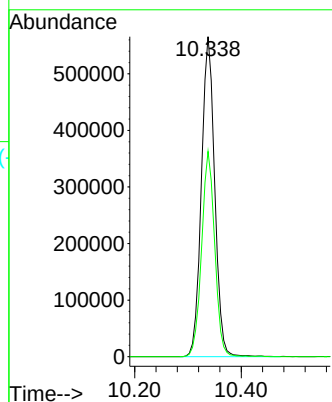
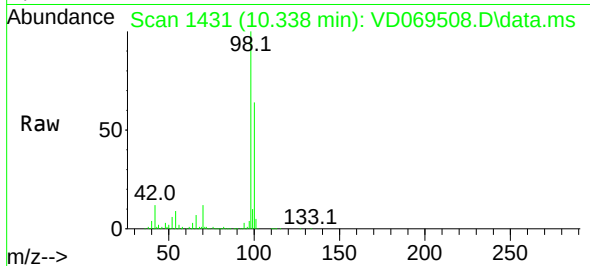




#50
Toluene-d8
Concen: 52.673 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

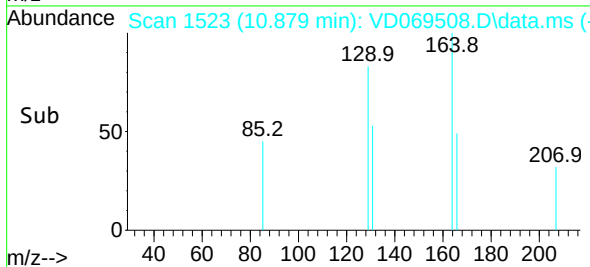
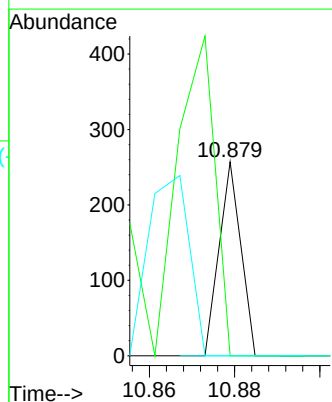
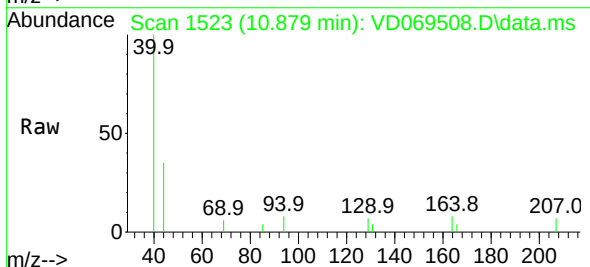
Instrument :
MSVOA_D
ClientSampled :

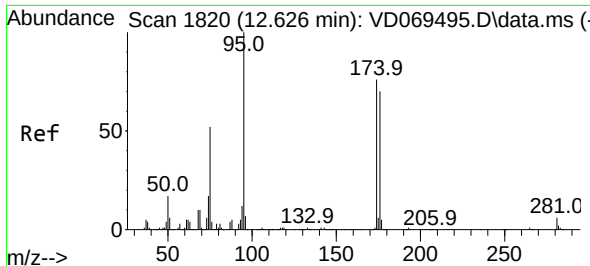
Tgt Ion: 98 Resp: 980734
Ion Ratio Lower Upper
98 100
100 63.1 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.600 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. 0.224 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

Tgt Ion: 69 Resp: 91
Ion Ratio Lower Upper
69 100
41 349.5 49.4 74.0#
39 175.8 26.9 40.3#

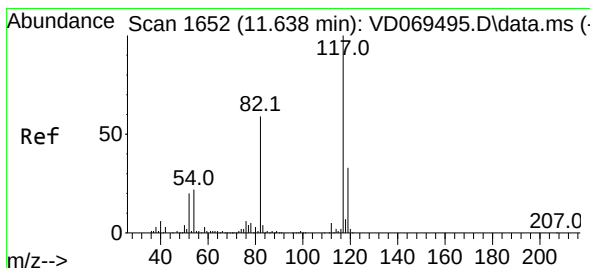
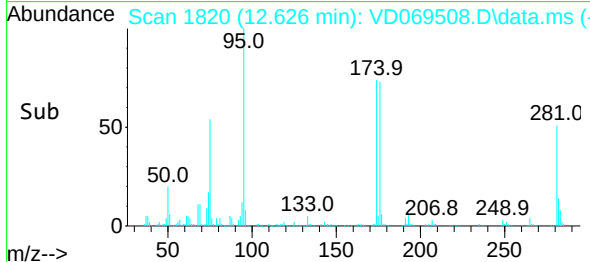
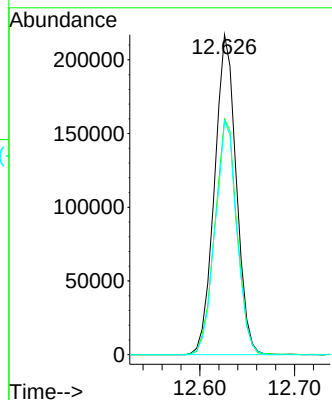
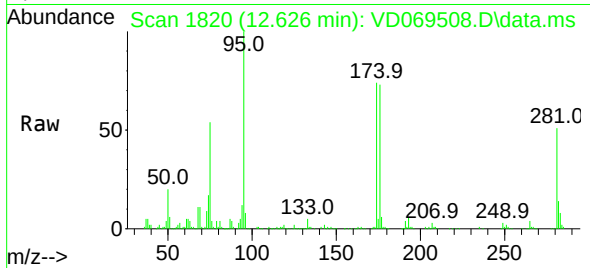




#62
4-Bromofluorobenzene
Concen: 56.697 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

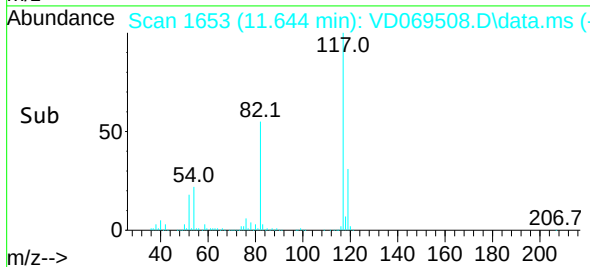
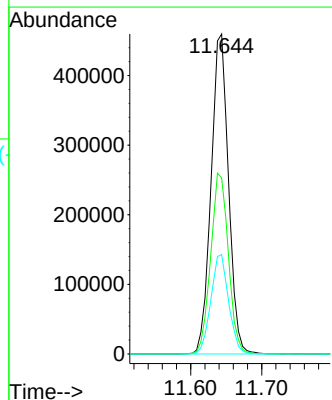
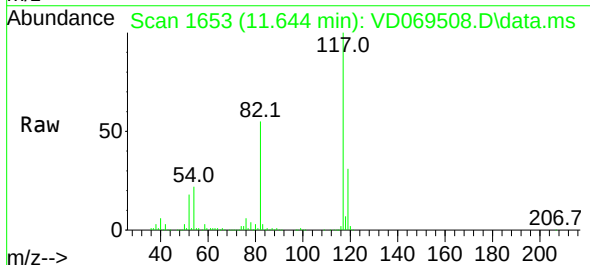
Instrument :
MSVOA_D
ClientSampleId :

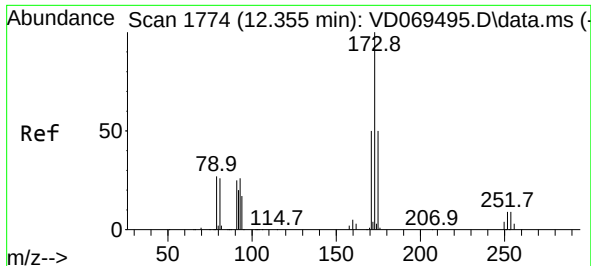
Tgt Ion: 95 Resp: 347053
Ion Ratio Lower Upper
95 100
174 75.0 0.0 148.0
176 72.9 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

Tgt Ion: 117 Resp: 782100
Ion Ratio Lower Upper
117 100
82 55.0 46.8 70.2
119 31.1 26.2 39.2

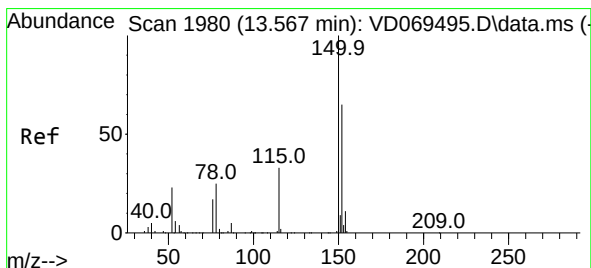
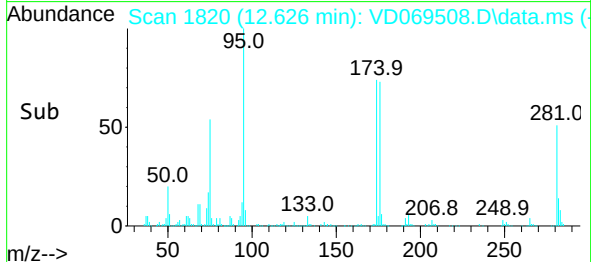
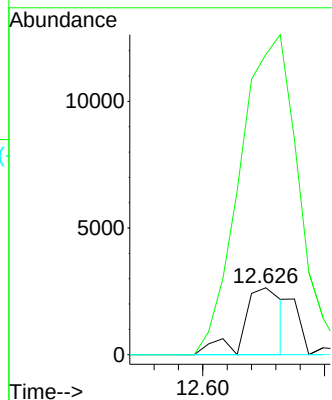
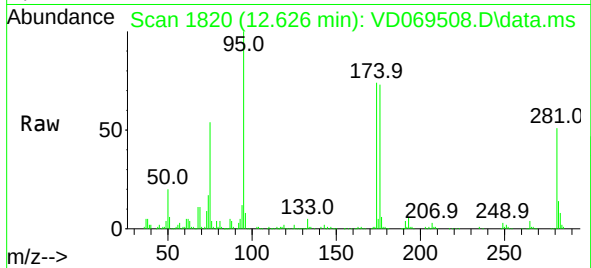




#71
Bromoform
Concen: 1.023 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

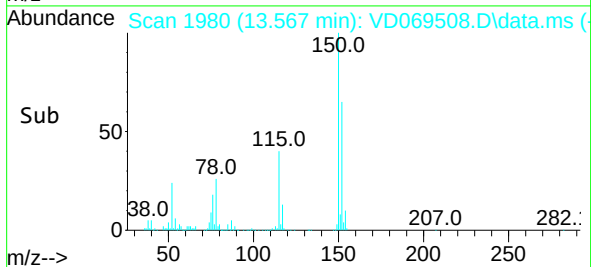
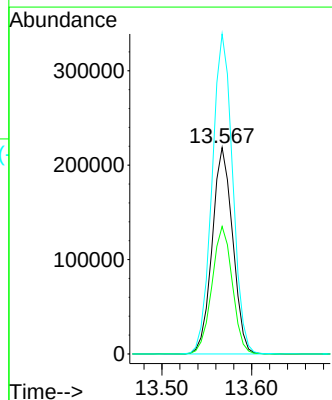
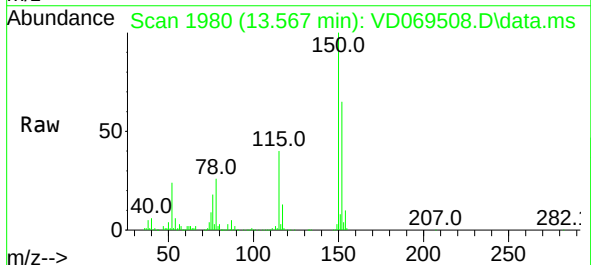
Instrument :
MSVOA_D
ClientSampleId :

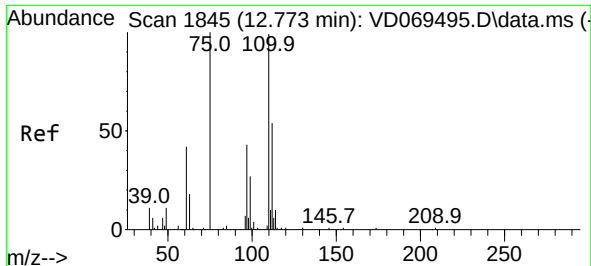
Tgt Ion:173 Resp: 2931
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

Tgt Ion:152 Resp: 347053
Ion Ratio Lower Upper
152 100
115 61.6 31.7 95.1
150 155.7 0.0 350.8

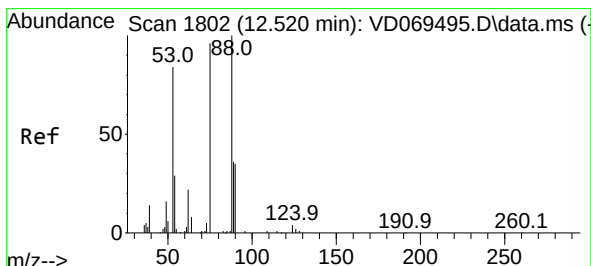
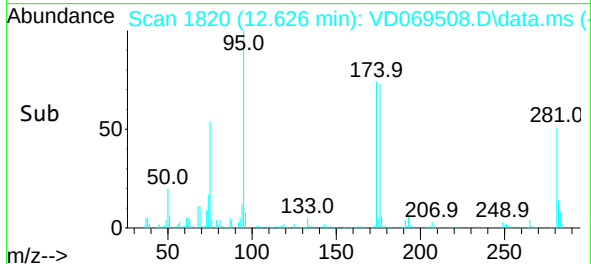
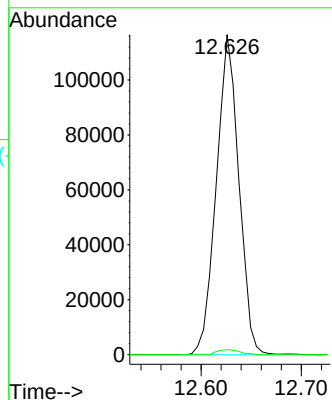
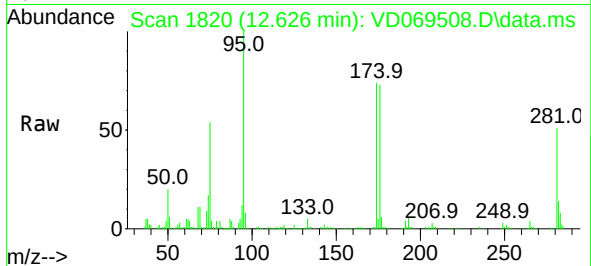




#76
1,2,3-Trichloropropane
Concen: 53.329 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

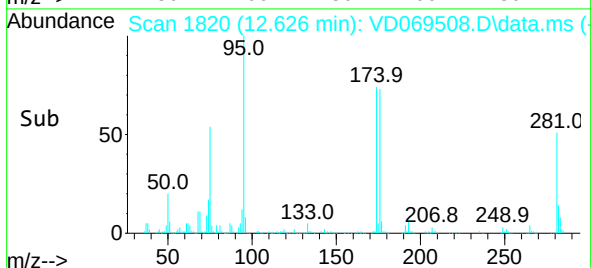
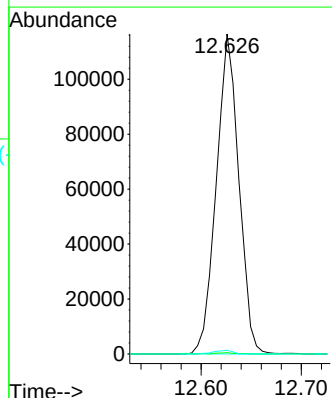
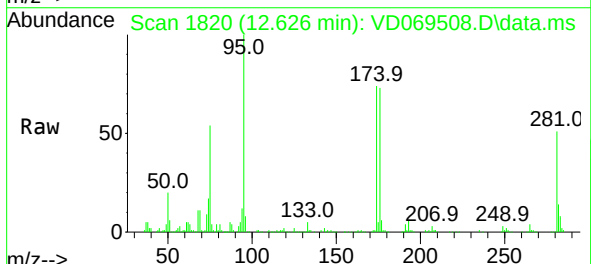
Instrument :
MSVOA_D
ClientSampleId :

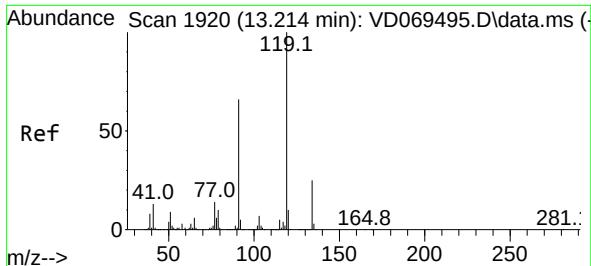
Tgt Ion: 75 Resp: 181678
Ion Ratio Lower Upper
75 100
77 1.6 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.154 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

Tgt Ion: 75 Resp: 181678
Ion Ratio Lower Upper
75 100
53 0.4 74.6 112.0#
89 0.9 35.3 52.9#

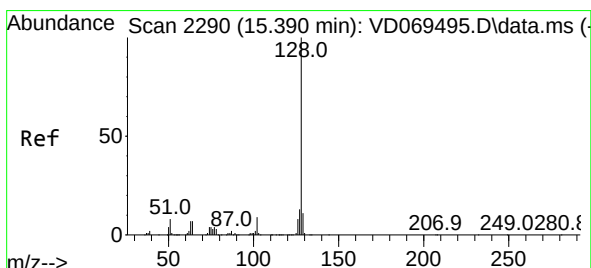
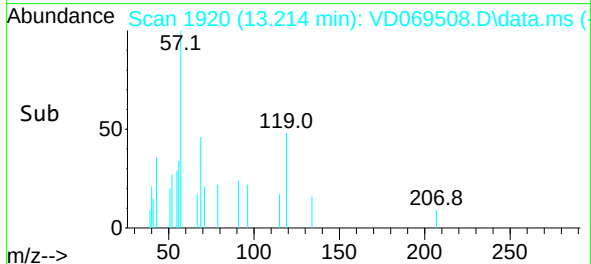
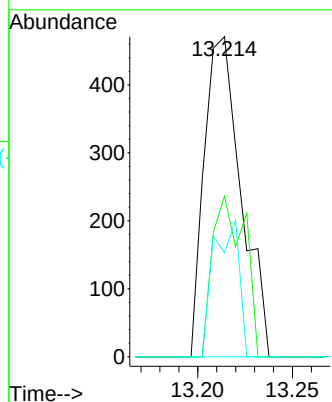
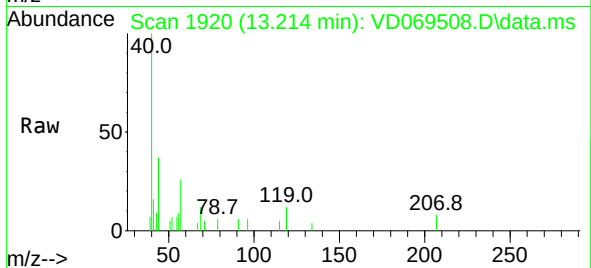




#83
tert-Butylbenzene
Concen: 2.026 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	119	Resp:	639
Ion	Ratio	Lower	Upper
119	100		
91	43.7	32.5	97.4
134	29.3	12.9	38.7



#95
Naphthalene
Concen: 3.538 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069508.D
Acq: 21 Jun 2021 19:18

Tgt Ion:	128	Resp:	2123
Ion	Ratio	Lower	Upper
128	100		
127	7.2	10.6	16.0#
129	4.6	8.7	13.1#

