

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069550.D
 Acq On : 23 Jun 2021 17:38
 Operator : VA/SY
 Sample : M2819-01
 Misc : 6.31G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:10:26 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)

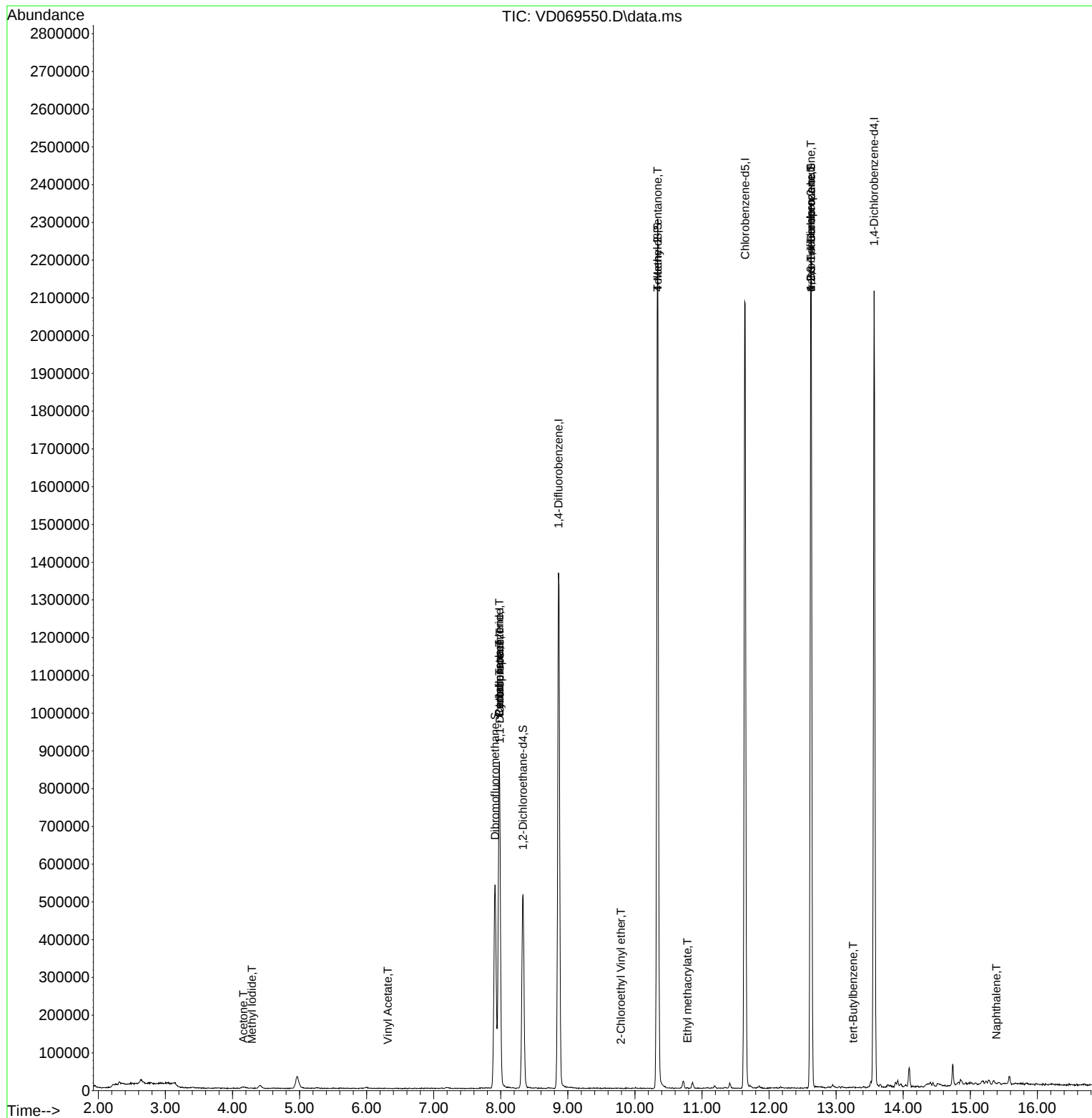
Internal Standards						
1) Pentafluorobenzene	7.979	168	599346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1163907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1205160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	532485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	421628	56.437	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.880%
35) Dibromofluoromethane	7.914	113	401761	51.064	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.120%
50) Toluene-d8	10.338	98	1524988	51.674	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.340%
62) 4-Bromofluorobenzene	12.626	95	578469	59.623	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	119.240%
Target Compounds						Qvalue
5) Bromomethane	2.791	94	1161	Below Cal		98
10) Methyl Iodide	4.291	142	275	3.981 ug/l #		39
11) Tert butyl alcohol	5.232	59	1347	Below Cal #		83
16) Acetone	4.162	43	8905	7.082 ug/l #		84
18) Methyl Acetate	4.726	43	195	Below Cal #		49
20) Methylene Chloride	4.962	84	26413	Below Cal #		90
23) Vinyl Acetate	6.314	43	57	19.016 ug/l #		70
31) Cyclohexane	7.979	56	14408	1.432 ug/l #		1
36) 1,1-Dichloropropene	7.985	75	56500	4.946 ug/l #		51
38) Carbon Tetrachloride	7.979	117	67029	5.929 ug/l #		17
51) 4-Methyl-2-Pentanone	10.338	43	6428	1.587 ug/l #		1
56) Ethyl methacrylate	10.785	69	170	2.603 ug/l #		6
58) 2-Chloroethyl Vinyl ether	9.791	63	68	10.617 ug/l #		47
76) 1,2,3-Trichloropropane	12.626	75	301657	57.711 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	301657	144.097 ug/l #		13
83) tert-Butylbenzene	13.255	119	87	1.995 ug/l #		6
95) Naphthalene	15.390	128	1948	3.464 ug/l #		75

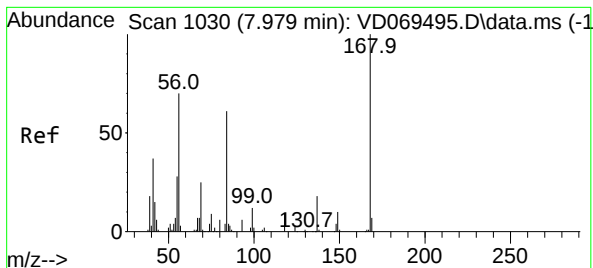
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampled :

Quant Time: Jun 24 06:10:26 2021
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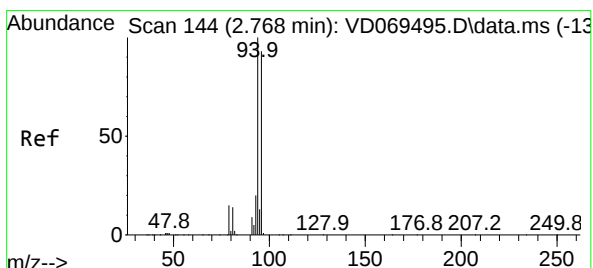
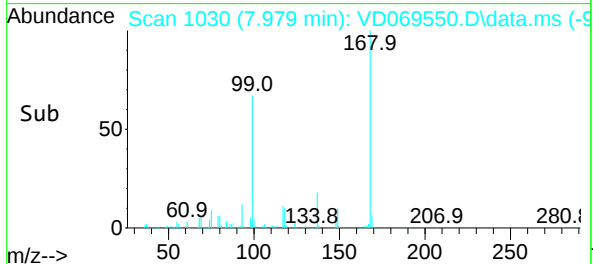
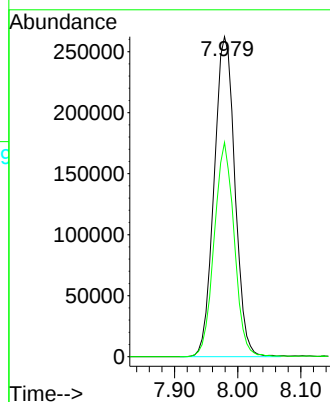
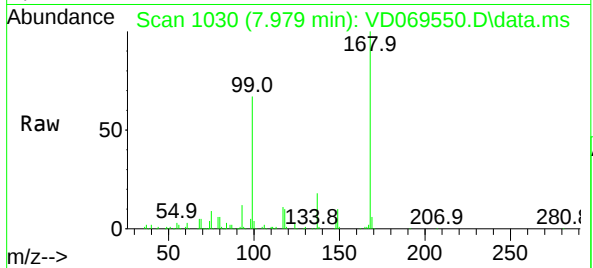




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

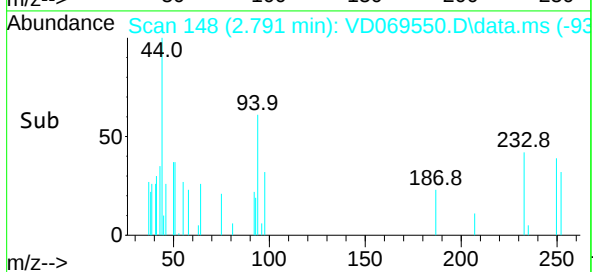
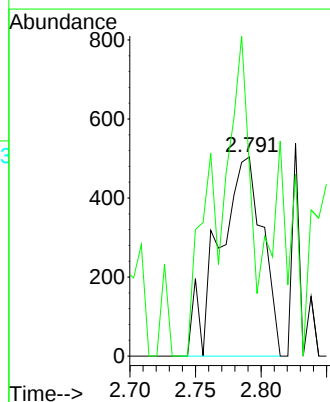
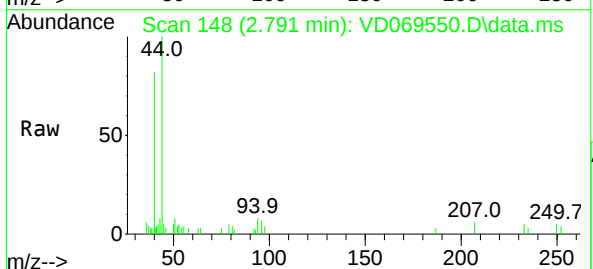
Instrument :
MSVOA_D
ClientSampled :

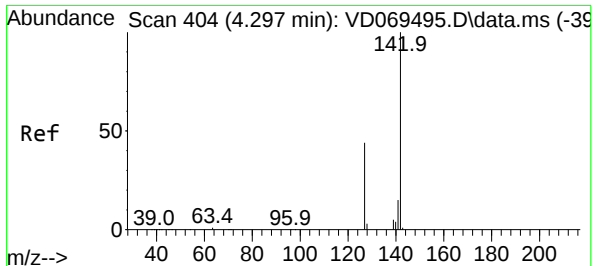
Tgt Ion:168 Resp: 599346
Ion Ratio Lower Upper
168 100
99 66.9 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

Tgt Ion: 94 Resp: 1161
Ion Ratio Lower Upper
94 100
96 95.0 74.6 111.8





#10

Methyl Iodide

Concen: 3.981 ug/l

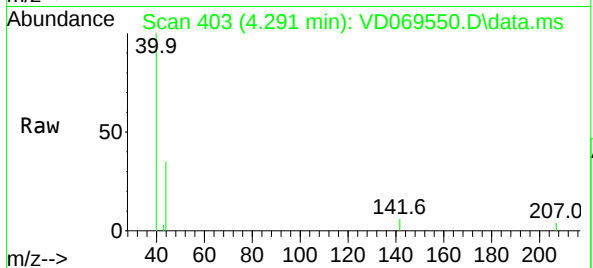
RT: 4.291 min Scan# 403

Delta R.T. -0.006 min

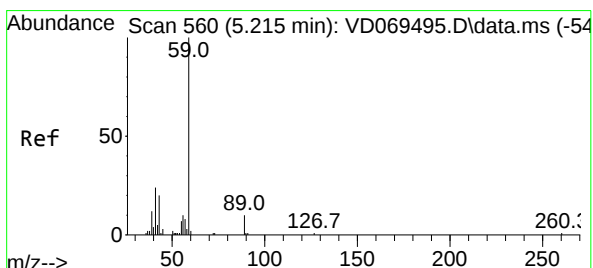
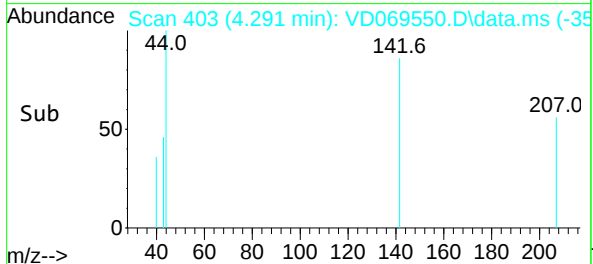
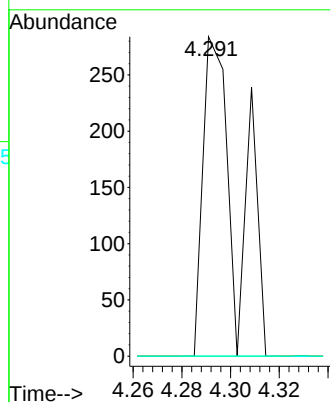
Lab File: VD069550.D

Acq: 23 Jun 2021 17:38

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	142	Resp:	275
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

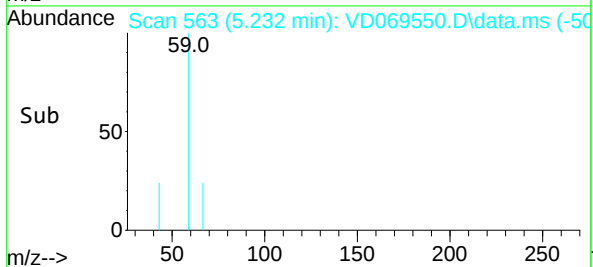
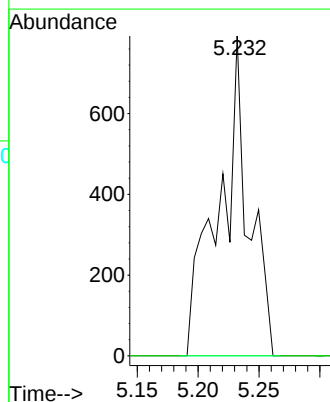
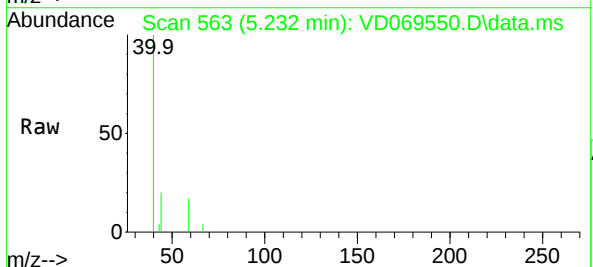
RT: 5.232 min Scan# 563

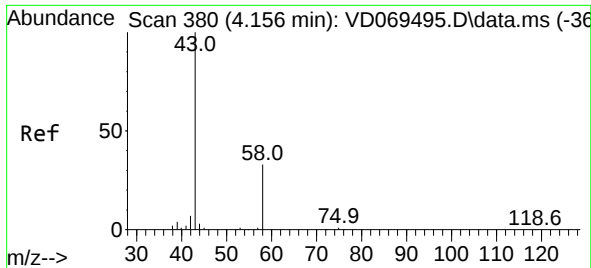
Delta R.T. 0.017 min

Lab File: VD069550.D

Acq: 23 Jun 2021 17:38

Tgt Ion:	59	Resp:	1347
Ion	Ratio	Lower	Upper
59	100		
57	0.0	4.6	7.0#

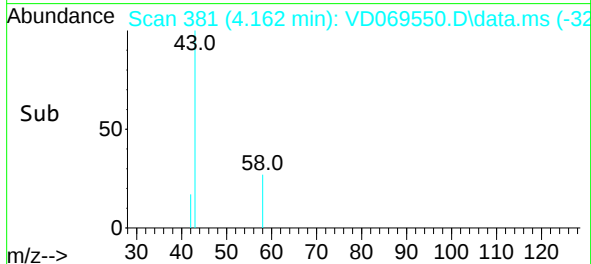
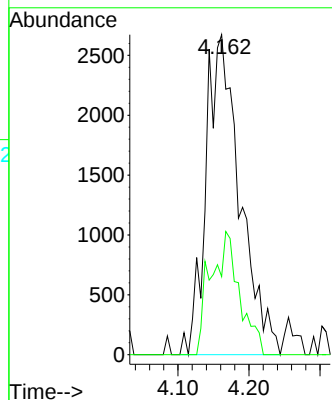
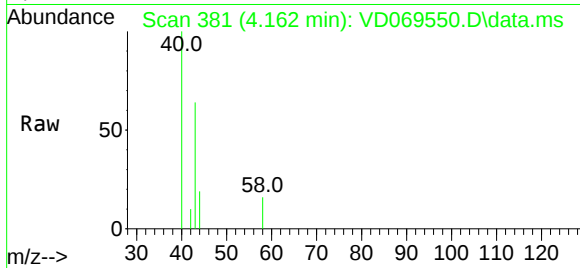




#16
Acetone
Concen: 7.082 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

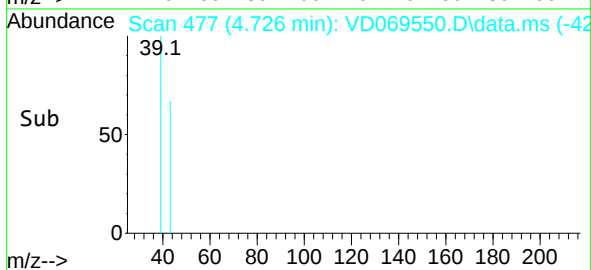
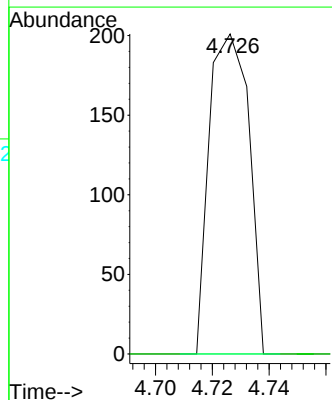
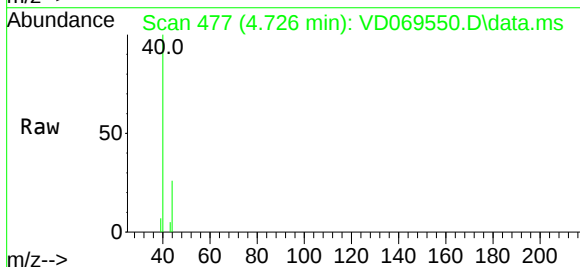
Instrument :
MSVOA_D
ClientSampled :

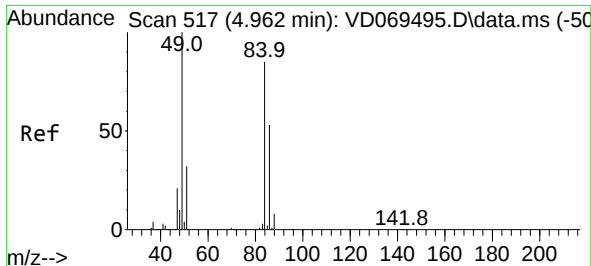
Tgt Ion: 43 Resp: 8905
Ion Ratio Lower Upper
43 100
58 24.4 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

Tgt Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

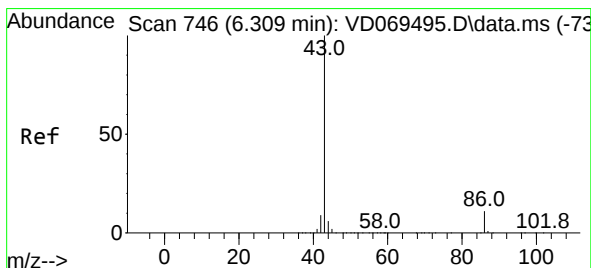
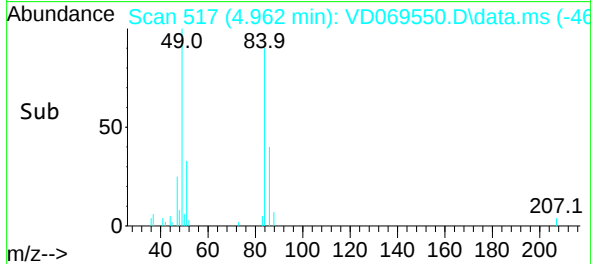
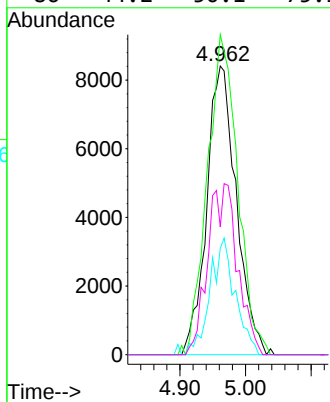
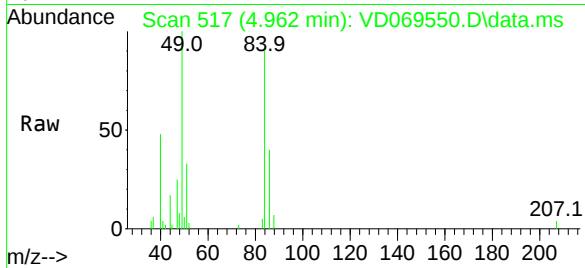




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

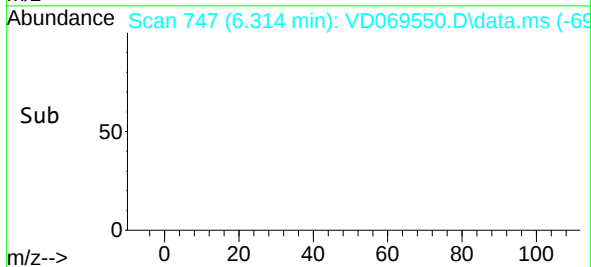
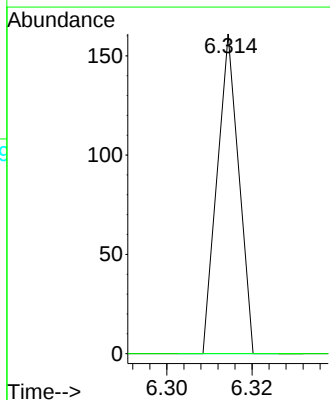
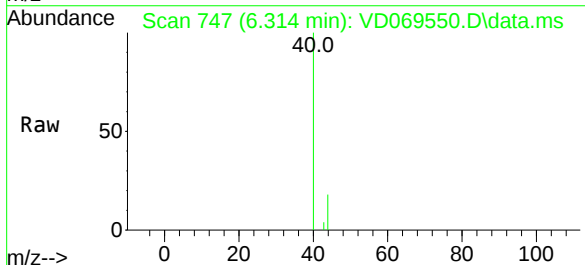
Instrument :
MSVOA_D
ClientSampleId :

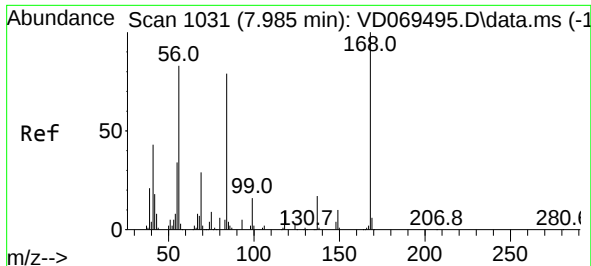
Tgt Ion: 84 Resp: 26413
Ion Ratio Lower Upper
84 100
49 110.8 94.0 141.0
51 36.9 29.7 44.5
86 44.2 50.1 75.1#



#23
Vinyl Acetate
Concen: 19.016 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.005 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#

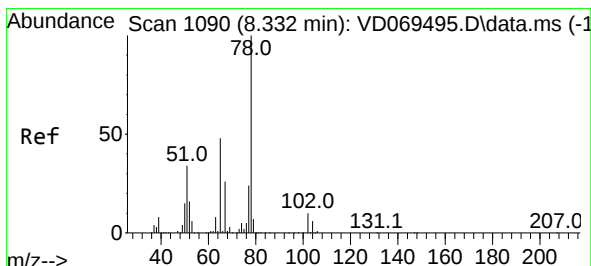
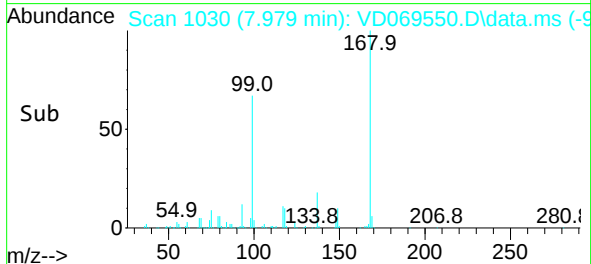
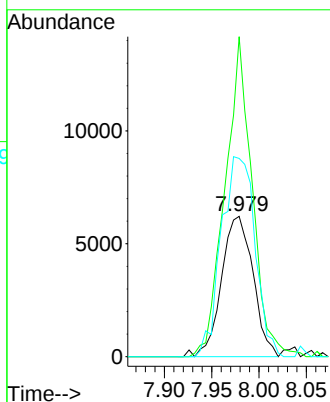
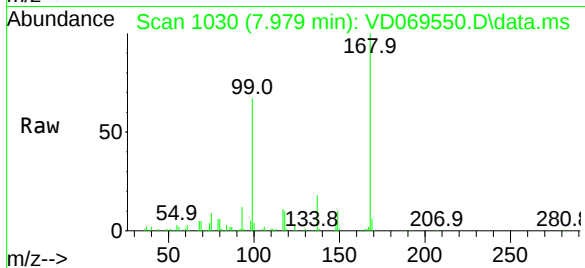




#31
Cyclohexane
Concen: 1.432 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

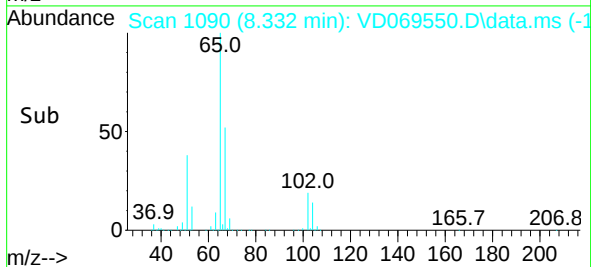
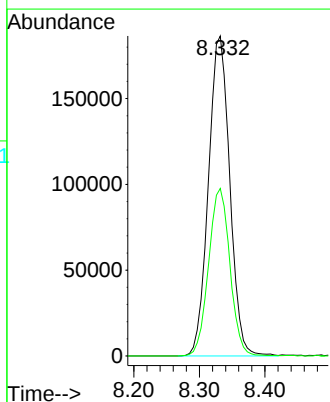
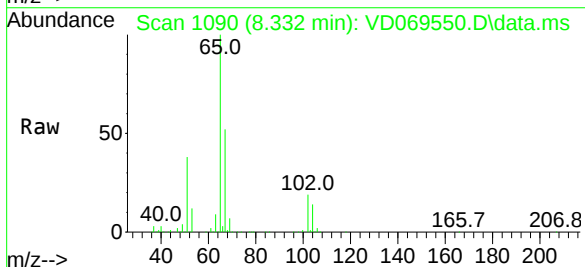
Instrument :
MSVOA_D
ClientSampleId :

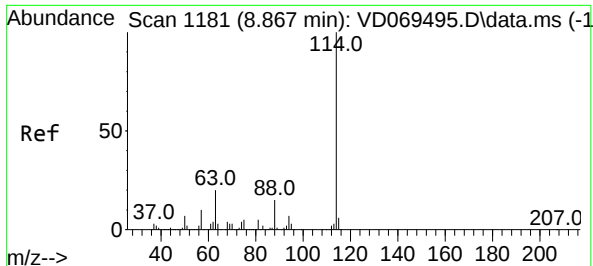
Tgt Ion: 56 Resp: 14408
Ion Ratio Lower Upper
56 100
69 228.0 28.0 42.0#
84 141.2 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 56.437 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

Tgt Ion: 65 Resp: 421628
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.6



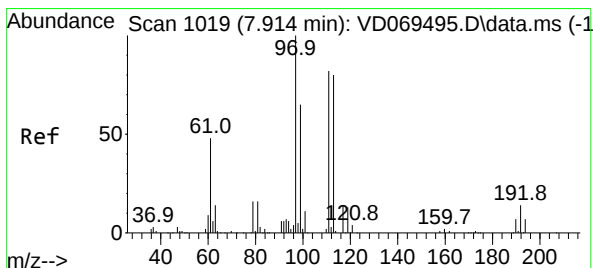
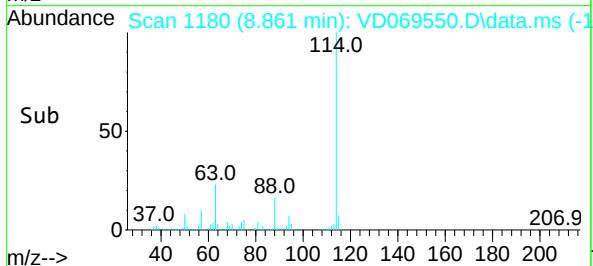
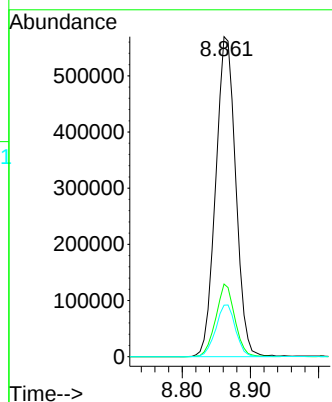
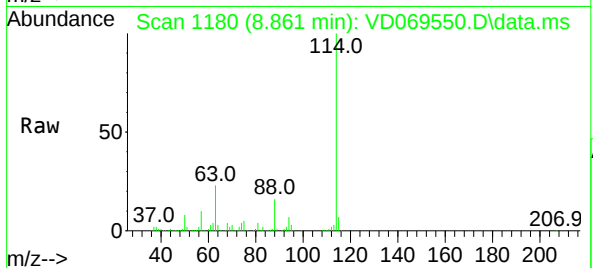


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

Instrument :
MSVOA_D
ClientSampled :

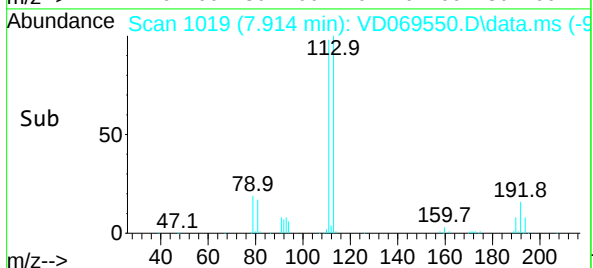
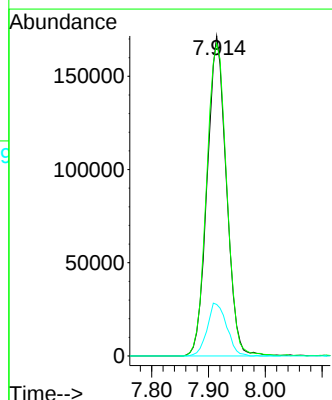
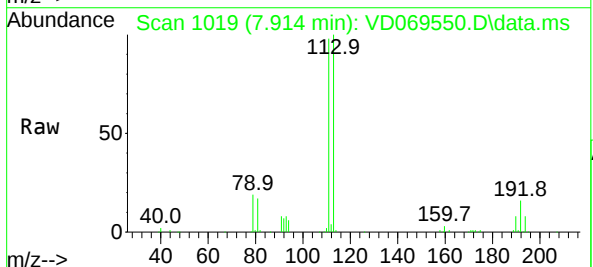
Tgt Ion:114 Resp: 1163907
Ion Ratio Lower Upper
114 100
63 22.7 0.0 39.6
88 16.1 0.0 29.8

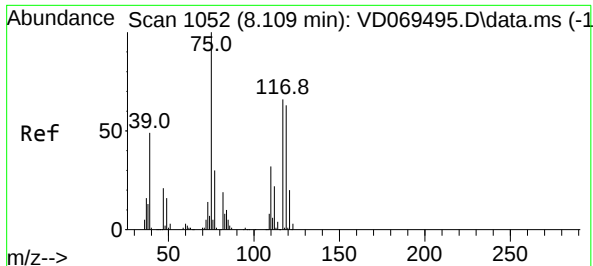


#35

Dibromofluoromethane
Concen: 51.064 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

Tgt Ion:113 Resp: 401761
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 16.8 13.8 20.6

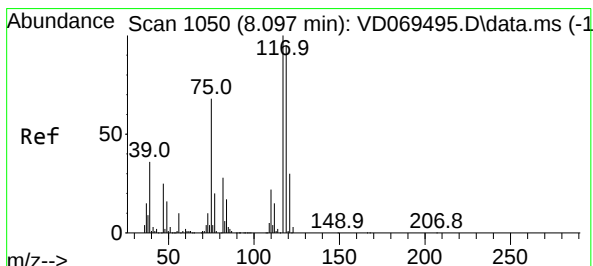
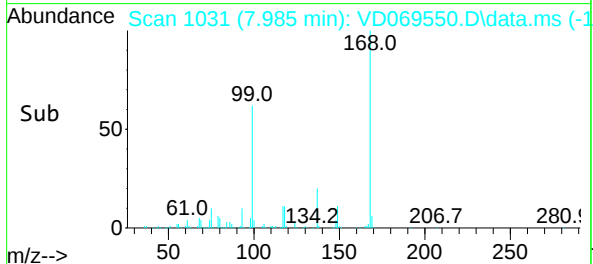
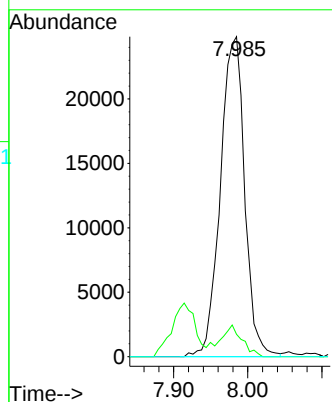
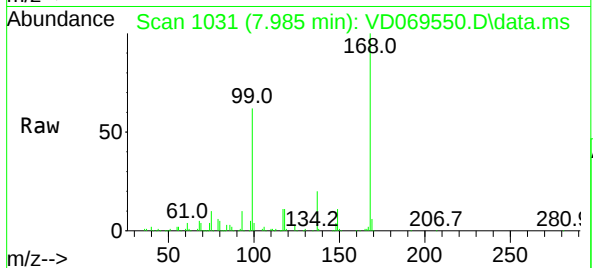




#36
1,1-Dichloropropene
Concen: 4.946 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.124 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

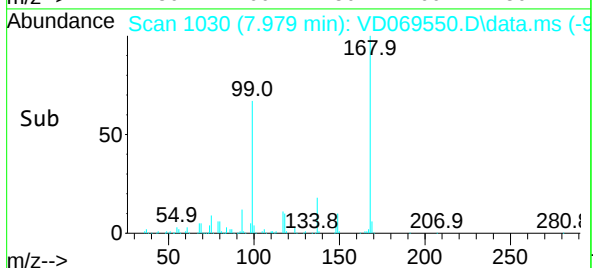
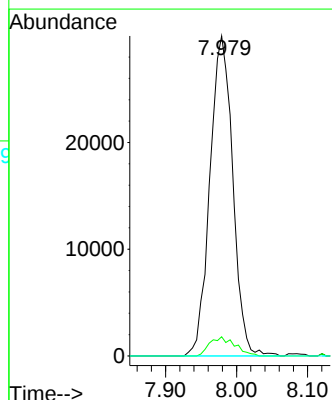
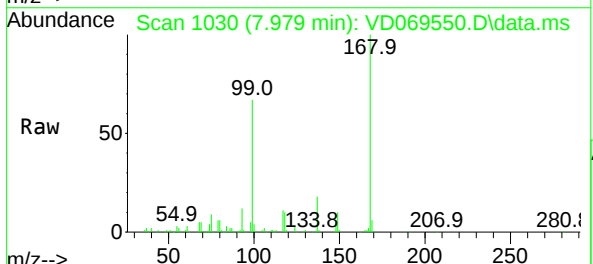
Instrument :
MSVOA_D
ClientSampleId :

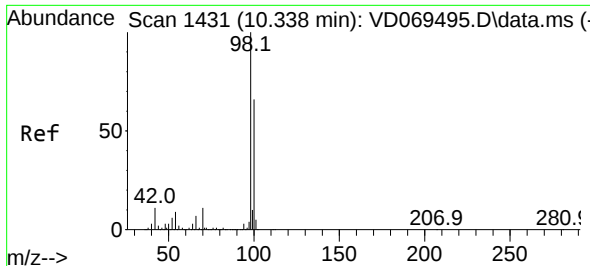
Tgt Ion: 75 Resp: 56500
Ion Ratio Lower Upper
75 100
110 9.1 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.929 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

Tgt Ion: 117 Resp: 67029
Ion Ratio Lower Upper
117 100
119 6.0 75.6 113.4#
121 0.0 23.8 35.8#

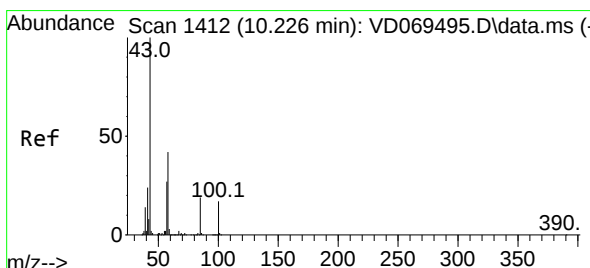
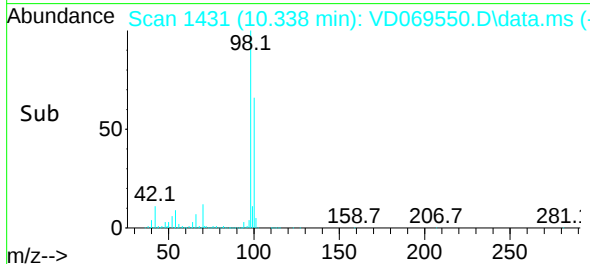
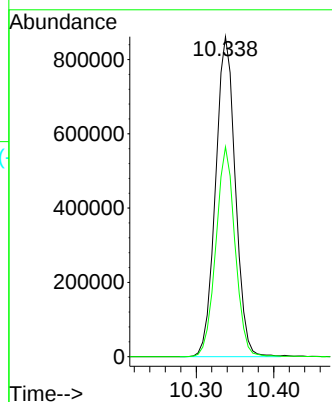
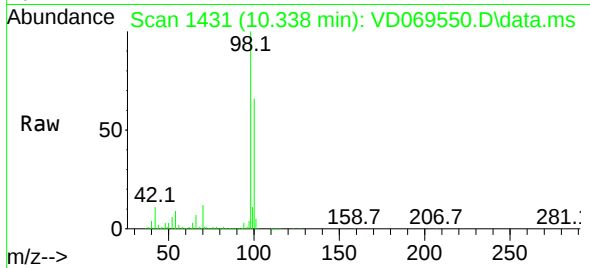




#50
Toluene-d8
Concen: 51.674 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

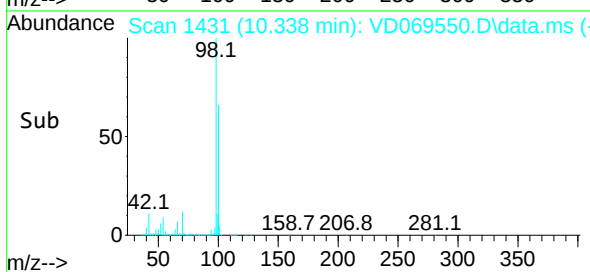
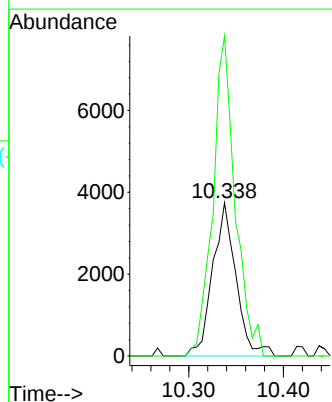
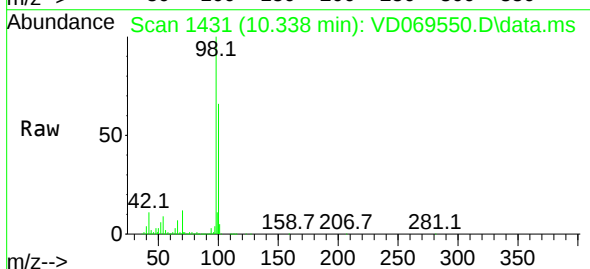
Instrument :
MSVOA_D
ClientSampled :

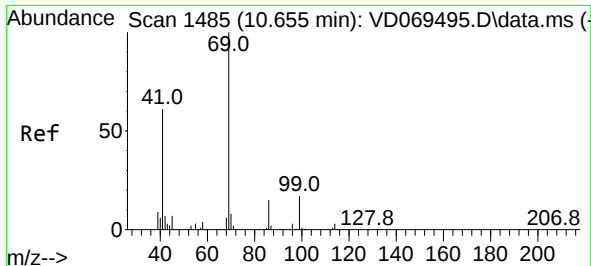
Tgt Ion: 98 Resp: 1524988
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.587 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

Tgt Ion: 43 Resp: 6428
Ion Ratio Lower Upper
43 100
58 199.5 33.6 50.4#

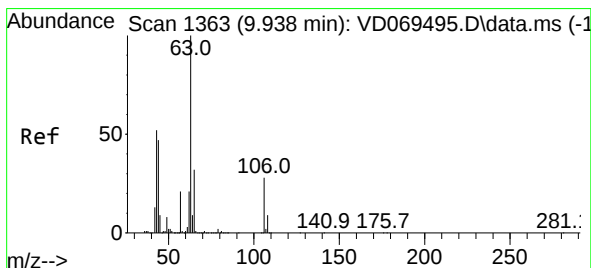
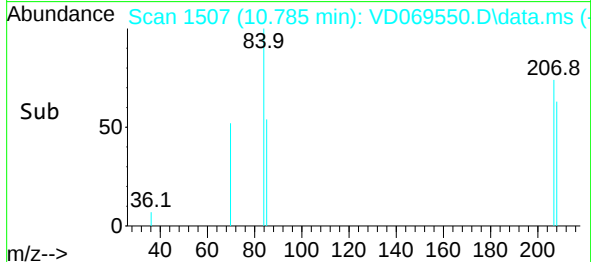
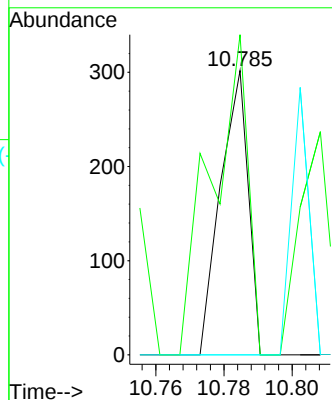
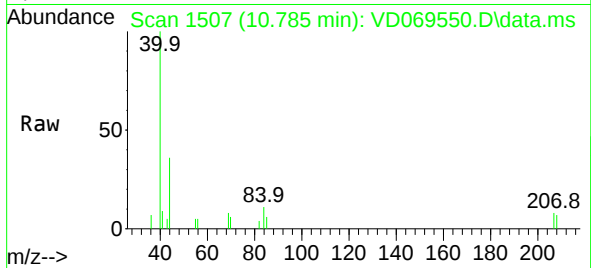




#56
Ethyl methacrylate
Concen: 2.603 ug/l
RT: 10.785 min Scan# 1507
Delta R.T. 0.130 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

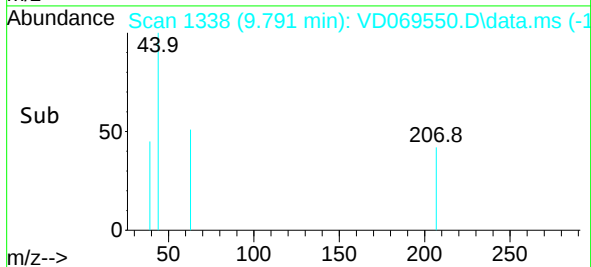
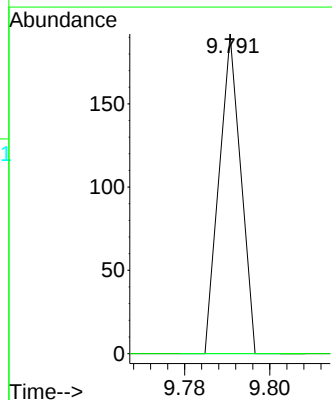
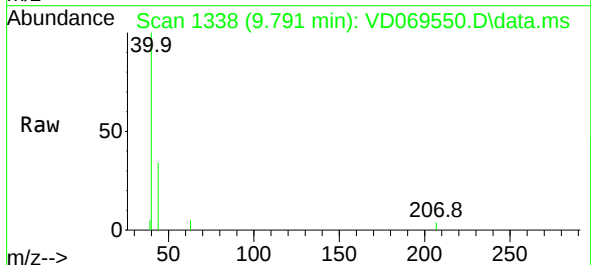
Instrument :
MSVOA_D
ClientSampleId :

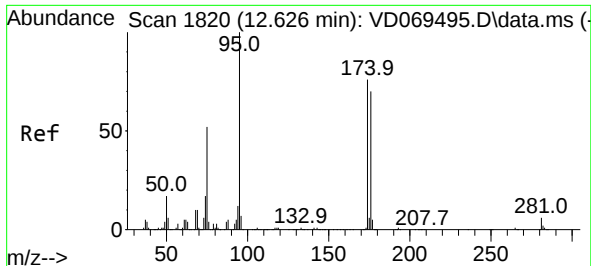
Tgt Ion: 69 Resp: 170
Ion Ratio Lower Upper
69 100
41 148.2 49.4 74.0#
39 0.0 26.9 40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.617 ug/l
RT: 9.791 min Scan# 1338
Delta R.T. -0.147 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

Tgt Ion: 63 Resp: 68
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

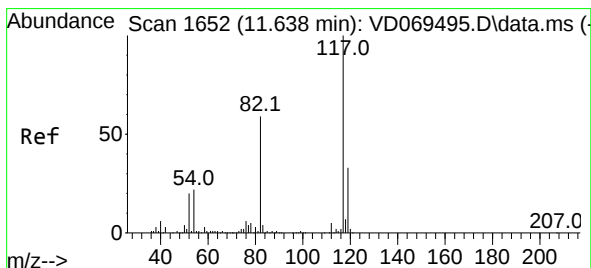
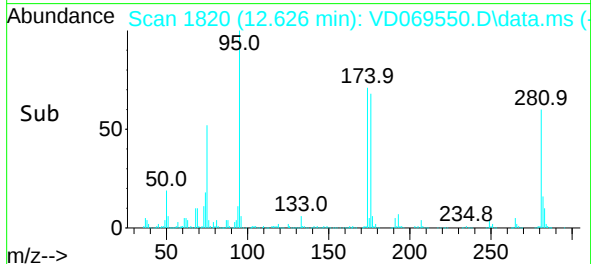
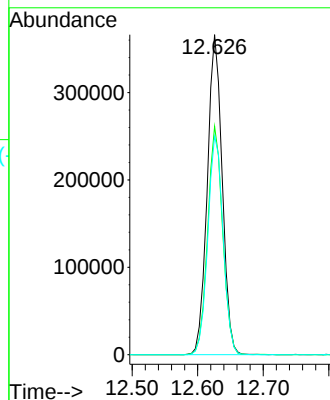
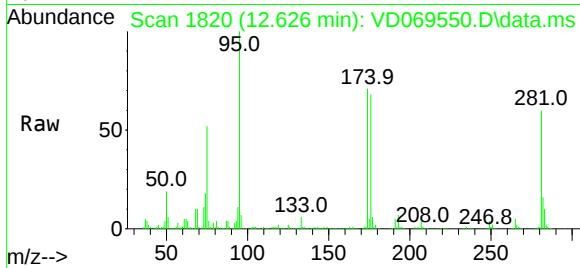




#62
4-Bromofluorobenzene
Concen: 59.623 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

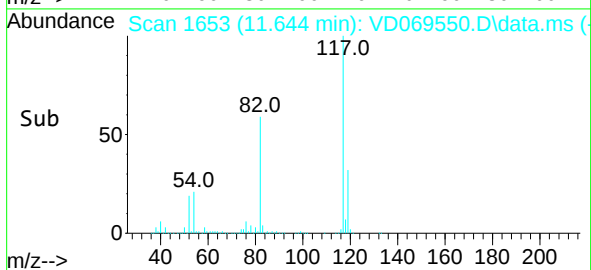
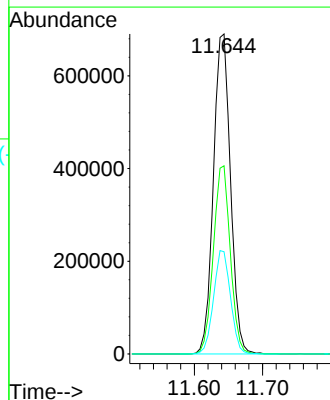
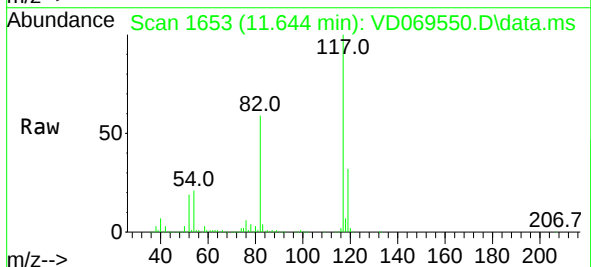
Instrument :
MSVOA_D
ClientSampleId :

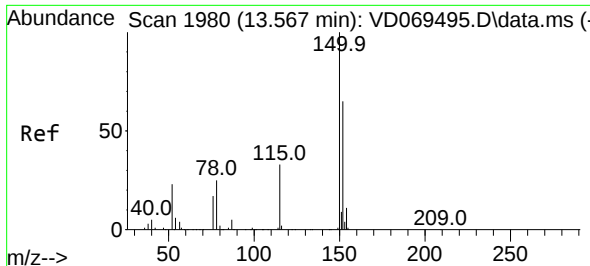
Tgt Ion: 95 Resp: 578469
Ion Ratio Lower Upper
95 100
174 71.7 0.0 148.0
176 69.8 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

Tgt Ion: 117 Resp: 1205160
Ion Ratio Lower Upper
117 100
82 58.8 46.8 70.2
119 31.9 26.2 39.2

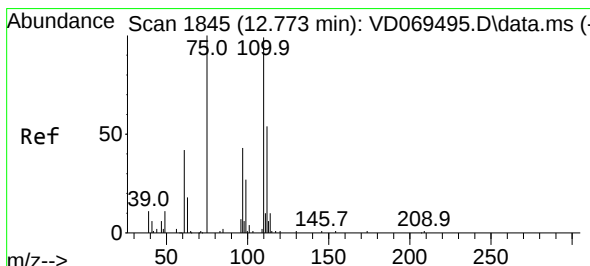
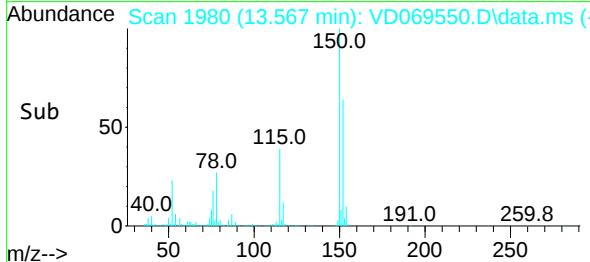
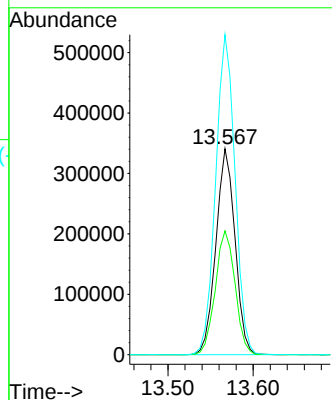
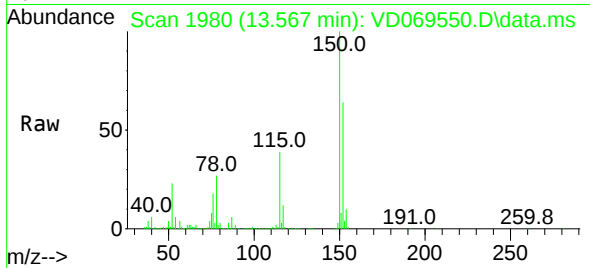




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

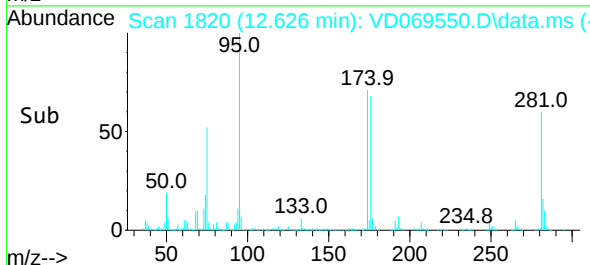
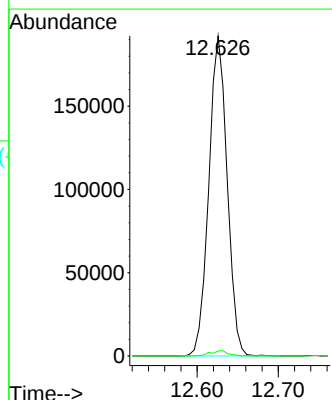
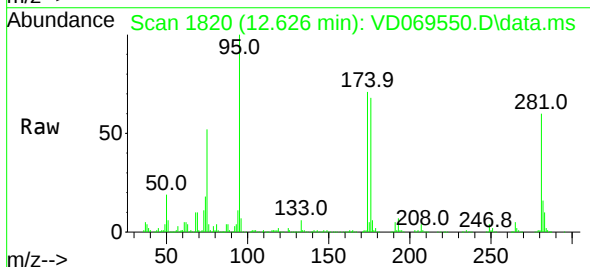
Instrument :
MSVOA_D
ClientSampleId :

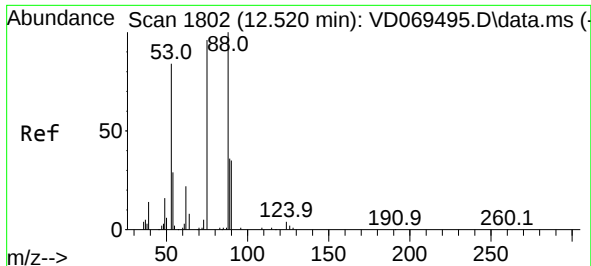
Tgt Ion:152 Resp: 532485
Ion Ratio Lower Upper
152 100
115 62.2 31.7 95.1
150 157.8 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 57.711 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

Tgt Ion: 75 Resp: 301657
Ion Ratio Lower Upper
75 100
77 1.6 162.6 487.8#

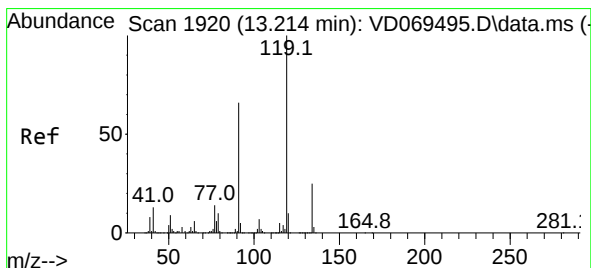
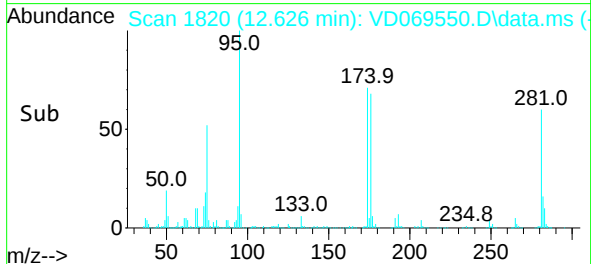
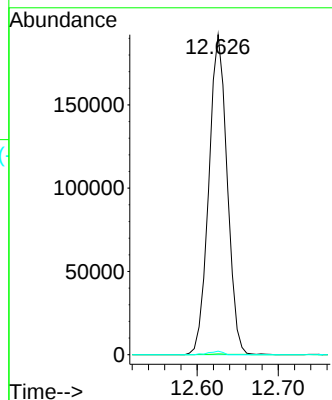
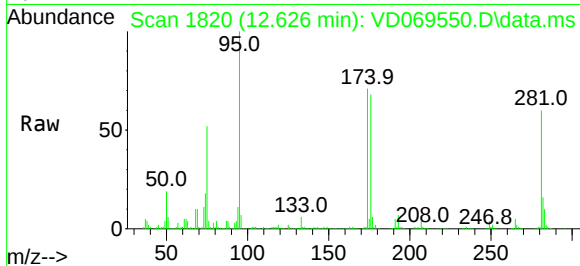




#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.097 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069550.D
 Acq: 23 Jun 2021 17:38

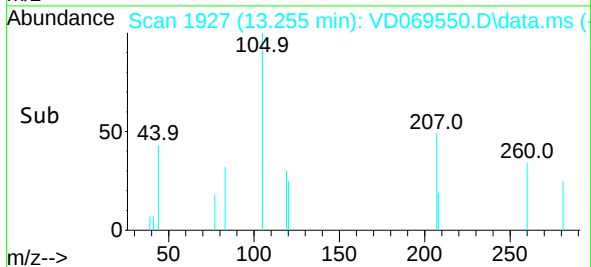
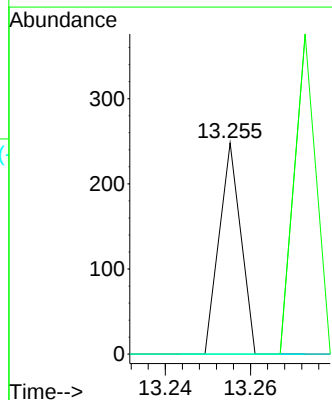
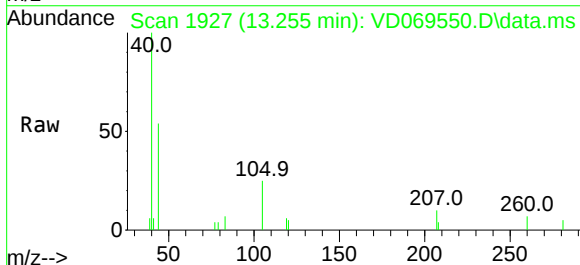
Instrument :
 MSVOA_D
 ClientSampleId :

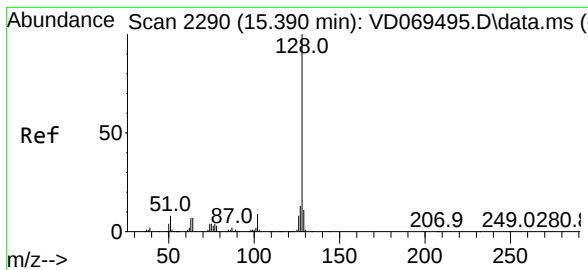
Tgt Ion: 75 Resp: 301657
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.6 112.0#
 89 0.8 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 1.995 ug/l
 RT: 13.255 min Scan# 1927
 Delta R.T. 0.041 min
 Lab File: VD069550.D
 Acq: 23 Jun 2021 17:38

Tgt Ion: 119 Resp: 87
 Ion Ratio Lower Upper
 119 100
 91 152.9 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.464 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069550.D
Acq: 23 Jun 2021 17:38

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1948
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 16.2 8.7 13.1#

