

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069541.D
 Acq On : 23 Jun 2021 13:25
 Operator : VA/SY
 Sample : M2815-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:08:01 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)

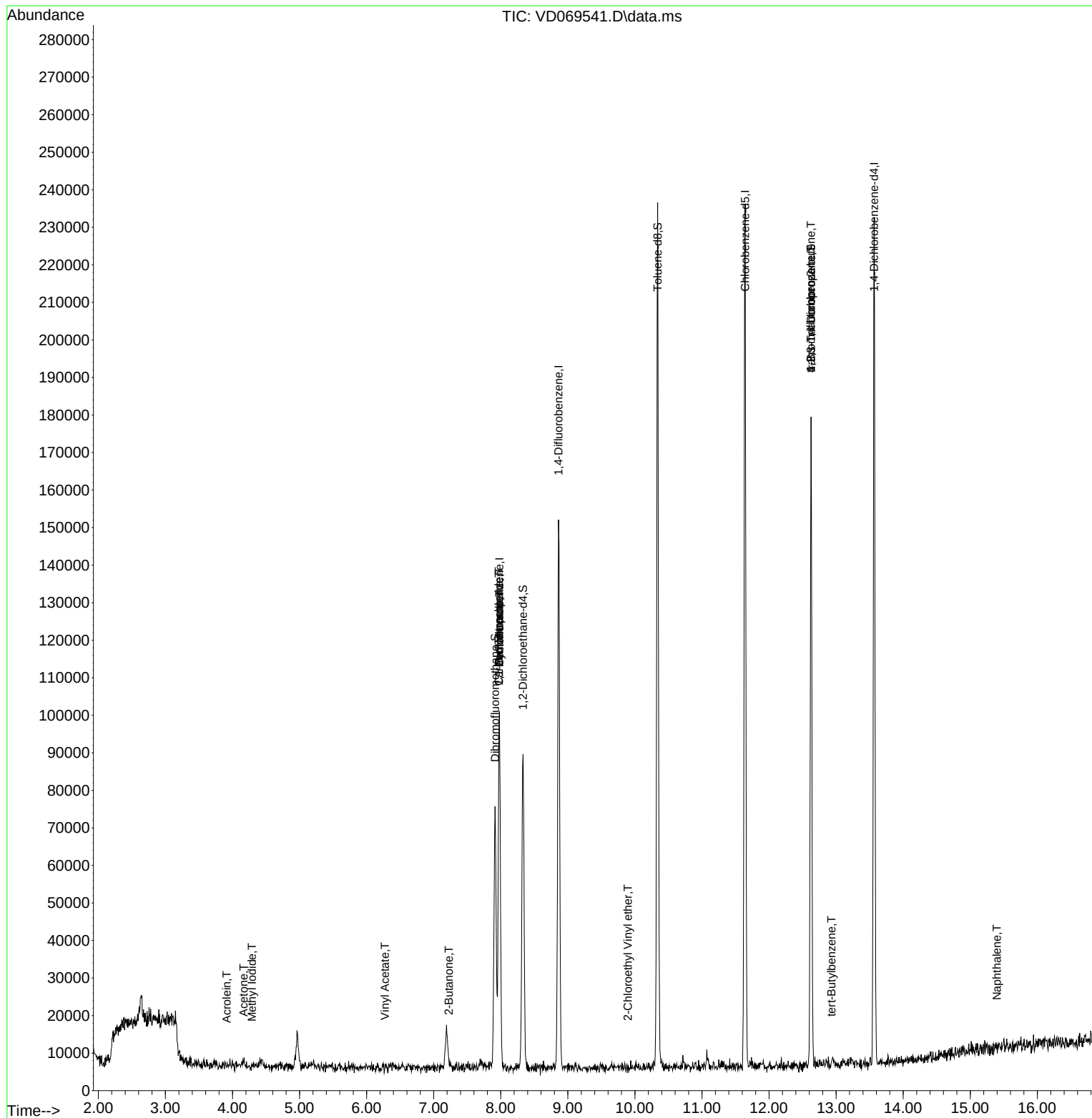
Internal Standards						
1) Pentafluorobenzene	7.979	168	64791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	118853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	139216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	57175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	70112	86.814	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 173.620%#	
35) Dibromofluoromethane	7.914	113	49956	62.179	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.360%	
50) Toluene-d8	10.338	98	153810	51.039	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.080%	
62) 4-Bromofluorobenzene	12.626	95	57483	58.021	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.040%	
Target Compounds						Qvalue
5) Bromomethane	2.762	94	161	Below Cal	#	40
10) Methyl Iodide	4.291	142	379	4.455	ug/l #	39
11) Tert butyl alcohol	5.208	59	634	Below Cal	#	83
13) Acrolein	3.914	56	71	1.579	ug/l #	15
16) Acetone	4.167	43	2889	21.253	ug/l #	41
18) Methyl Acetate	4.556	43	59	Below Cal	#	49
23) Vinyl Acetate	6.273	43	95	19.087	ug/l #	70
25) 2-Butanone	7.226	43	203	1.175	ug/l #	44
31) Cyclohexane	7.979	56	1870	1.720	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	6295	5.397	ug/l #	49
38) Carbon Tetrachloride	7.973	117	7094	6.145	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.896	63	55	10.734	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	27835	49.595	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	27835	123.832	ug/l #	12
83) tert-Butylbenzene	12.932	119	57	2.011	ug/l #	27
95) Naphthalene	15.396	128	365	3.546	ug/l #	69

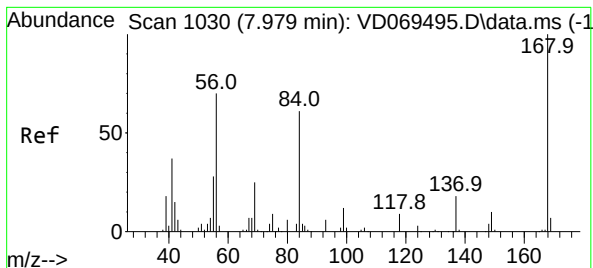
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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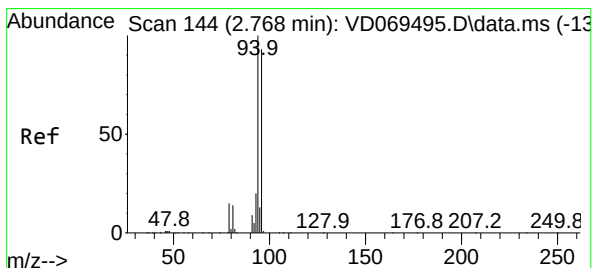
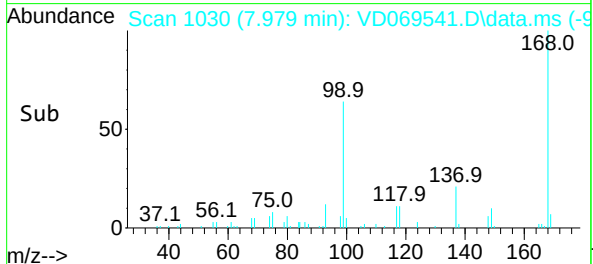
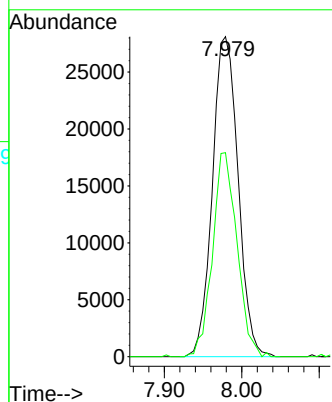
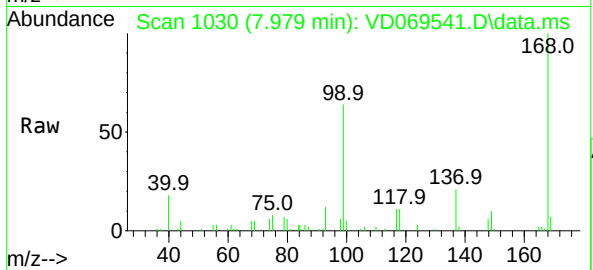




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

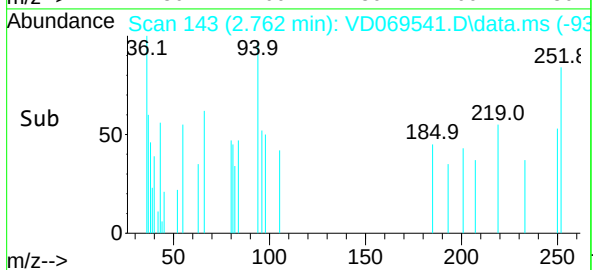
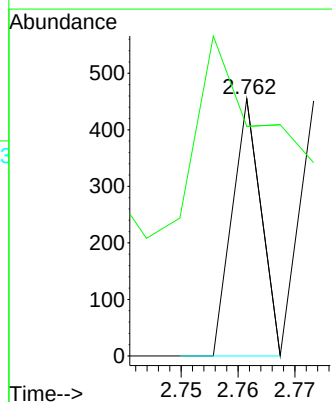
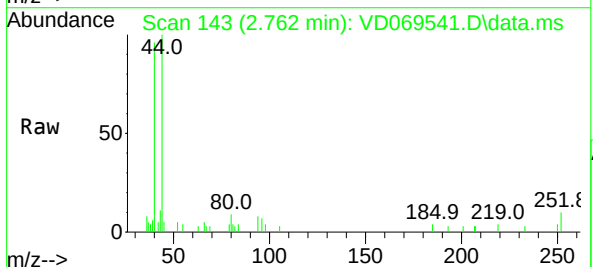
Instrument :
MSVOA_D
ClientSampleId :

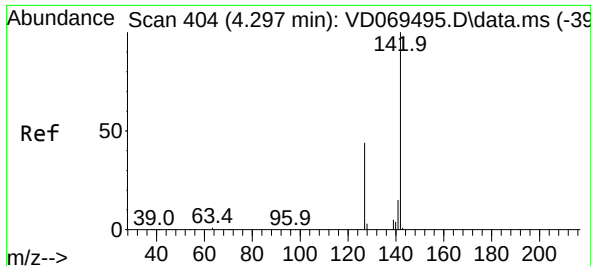
Tgt Ion:168 Resp: 64791
Ion Ratio Lower Upper
168 100
99 63.8 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 143
Delta R.T. -0.006 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

Tgt Ion: 94 Resp: 161
Ion Ratio Lower Upper
94 100
96 35.6 74.6 111.8#

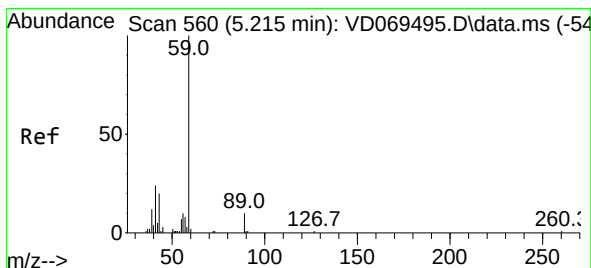
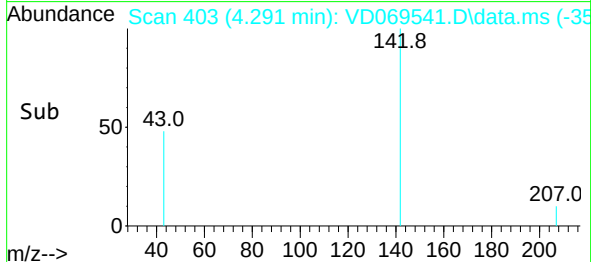
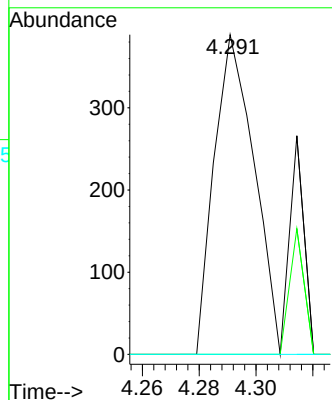
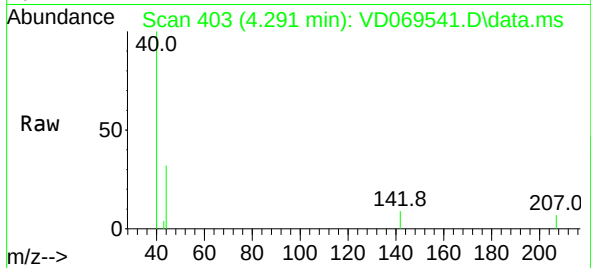




#10
Methyl Iodide
Concen: 4.455 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

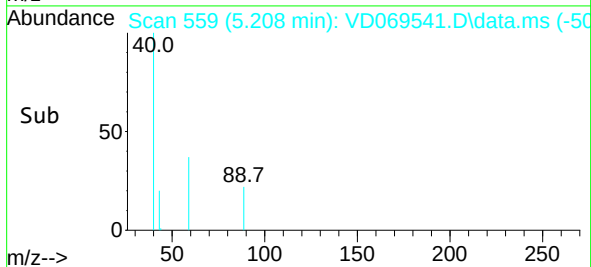
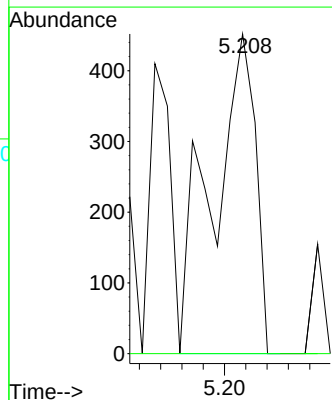
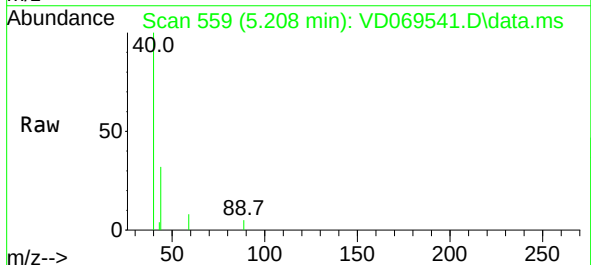
Instrument :
MSVOA_D
ClientSampleId :

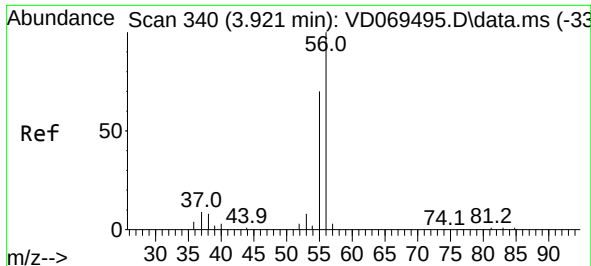
Tgt Ion:142 Resp: 379
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.208 min Scan# 559
Delta R.T. -0.007 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

Tgt Ion: 59 Resp: 634
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

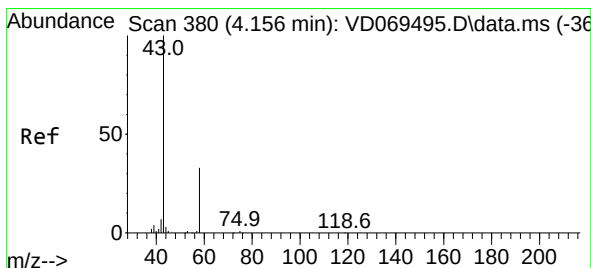
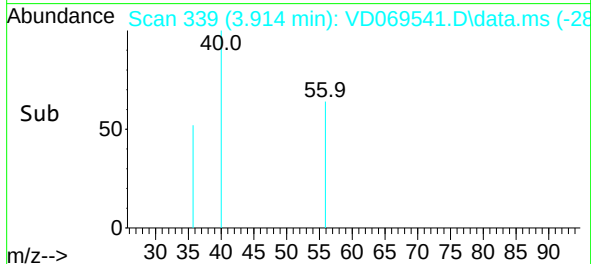
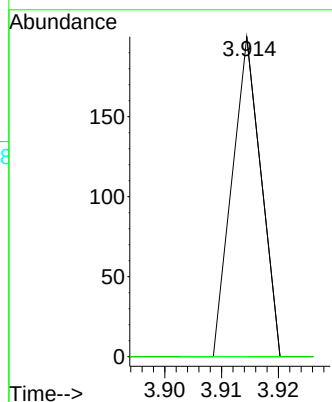
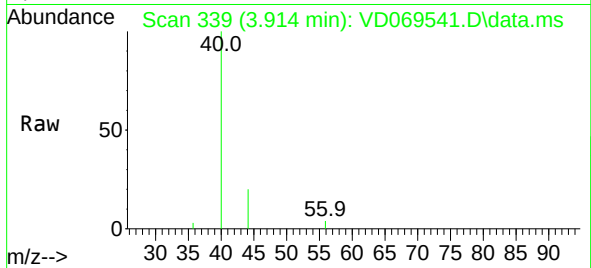




#13
Acrolein
Concen: 1.579 ug/l
RT: 3.914 min Scan# 339
Delta R.T. -0.006 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

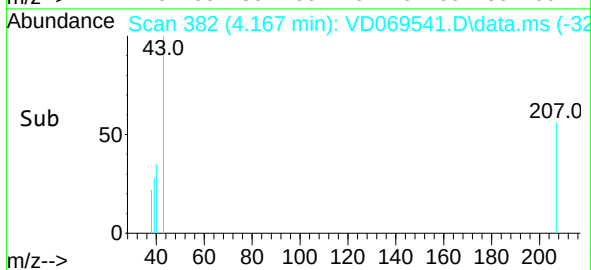
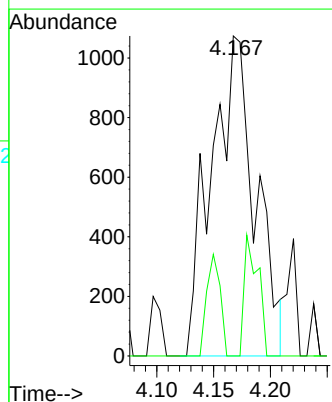
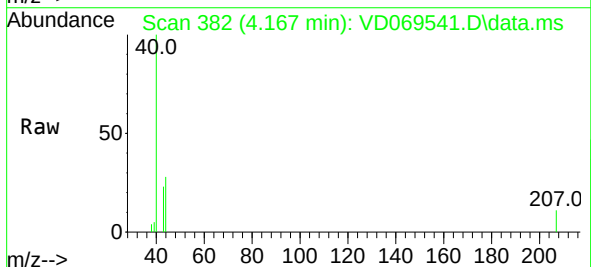
Instrument :
MSVOA_D
ClientSampled :

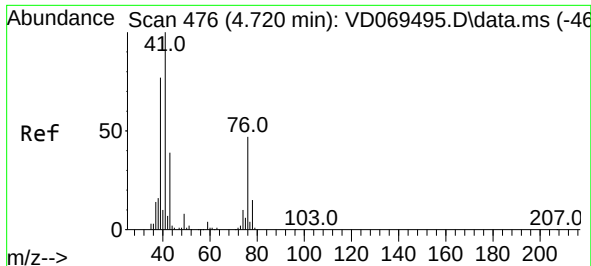
Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



#16
Acetone
Concen: 21.253 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

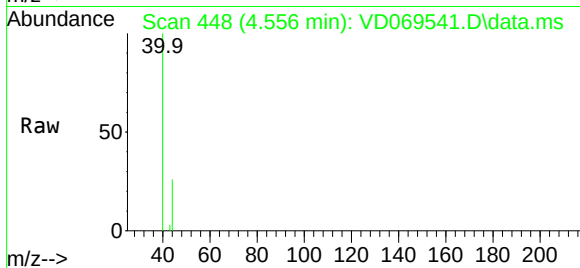
Tgt Ion: 43 Resp: 2889
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



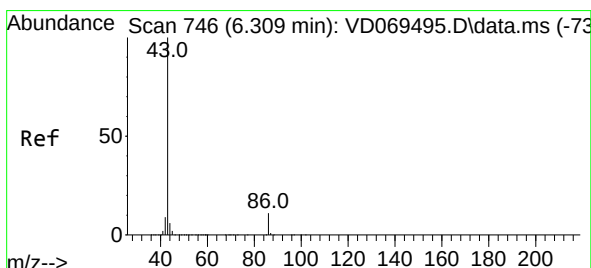
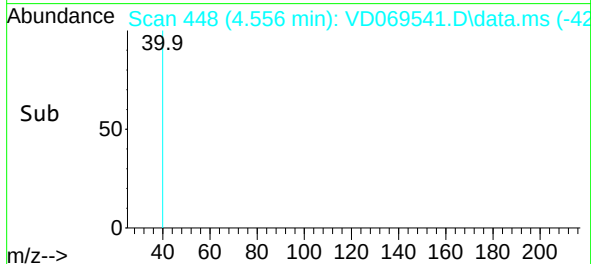
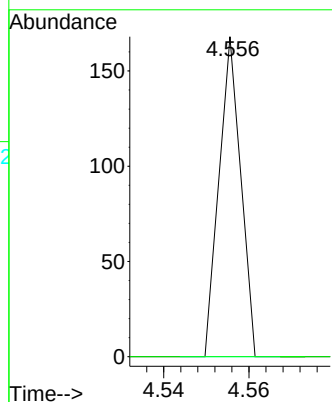


#18
Methyl Acetate
Concen: Below Cal
RT: 4.556 min Scan# 448
Delta R.T. -0.164 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

Instrument :
MSVOA_D
ClientSampleId :

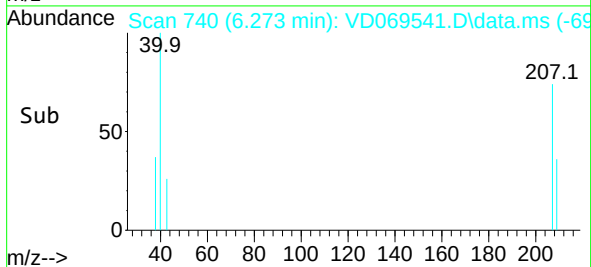
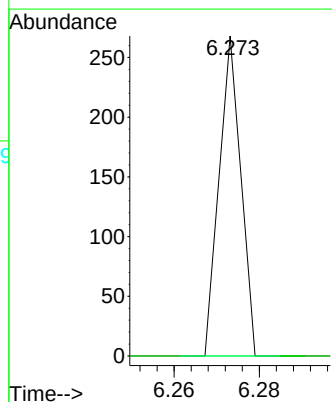
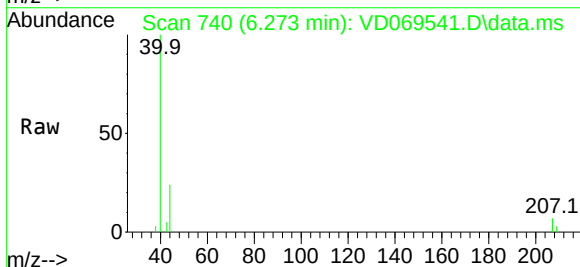


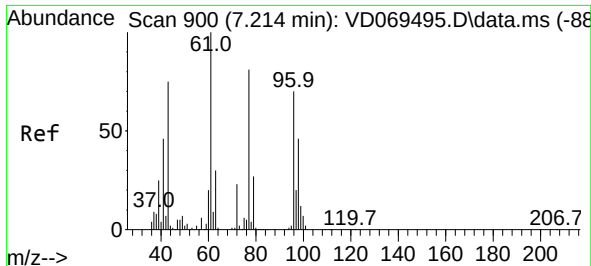
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#23
Vinyl Acetate
Concen: 19.087 ug/l
RT: 6.273 min Scan# 740
Delta R.T. -0.036 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

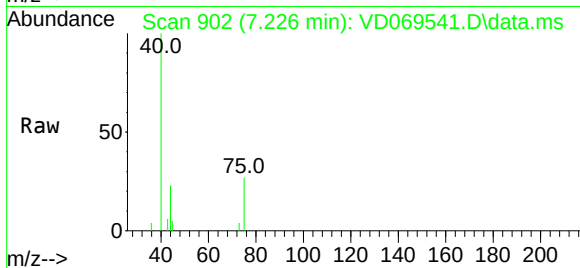
Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#



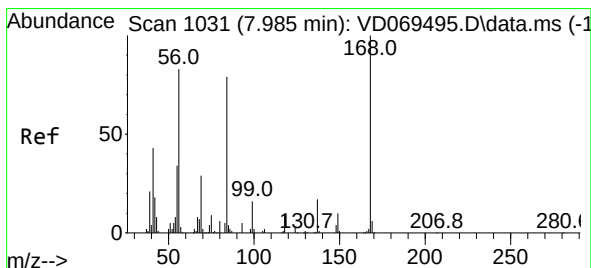
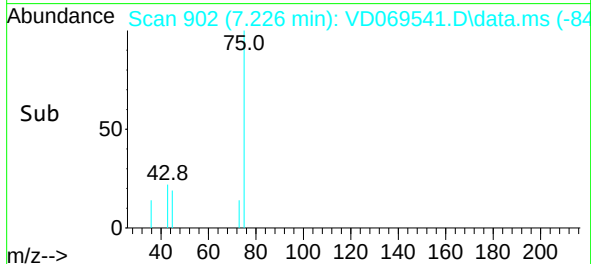
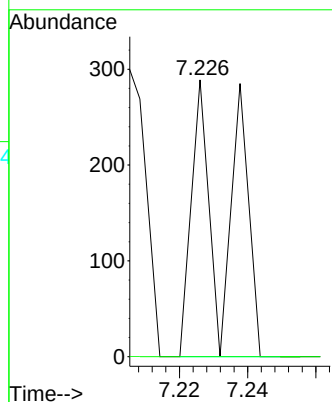


#25
2-Butanone
Concen: 1.175 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

Instrument :
MSVOA_D
ClientSampled :

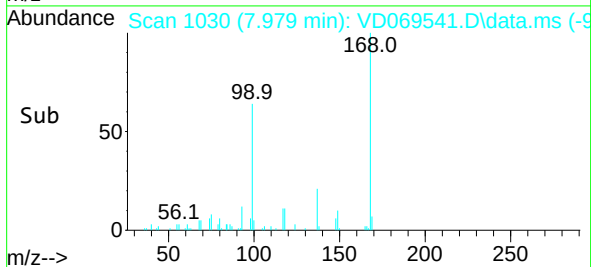
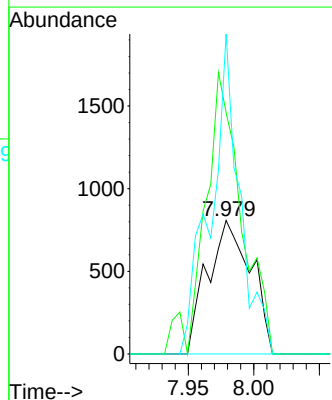
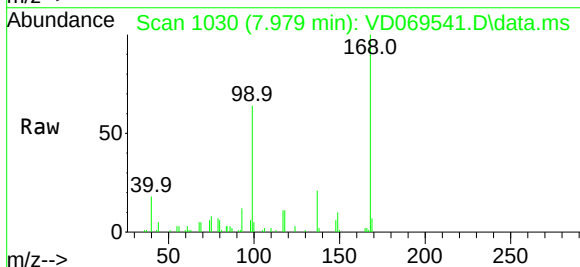


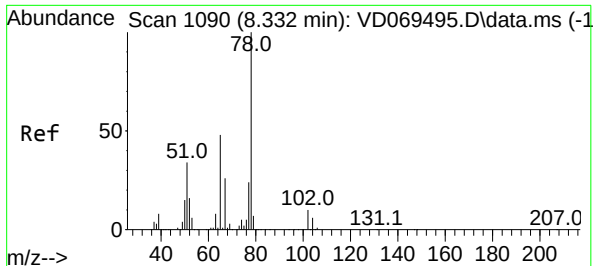
Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#31
Cyclohexane
Concen: 1.720 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

Tgt Ion: 56 Resp: 1870
Ion Ratio Lower Upper
56 100
69 180.9 28.0 42.0#
84 239.9 75.7 113.5#

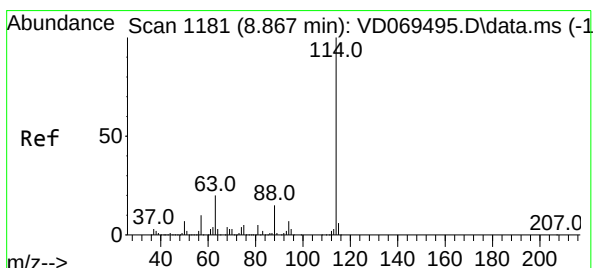
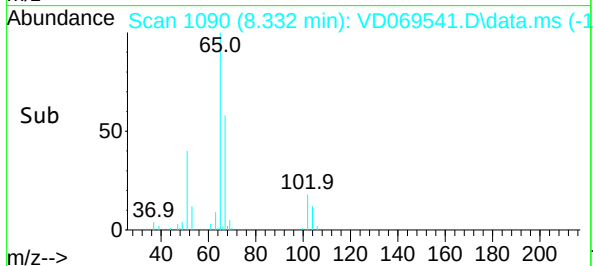
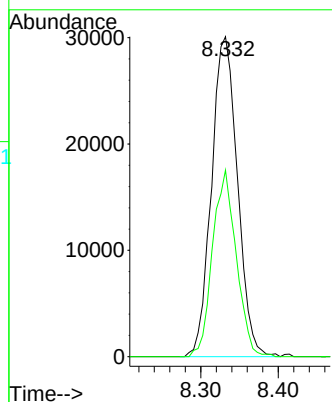
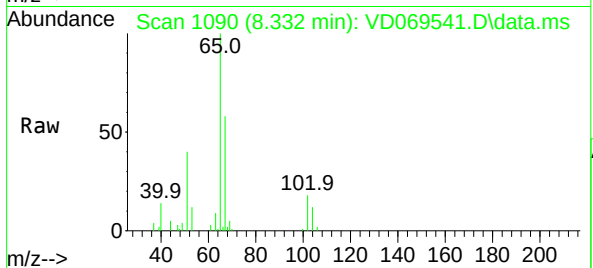




#33
1,2-Dichloroethane-d4
Concen: 86.814 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

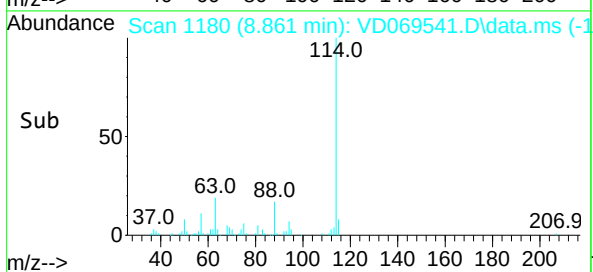
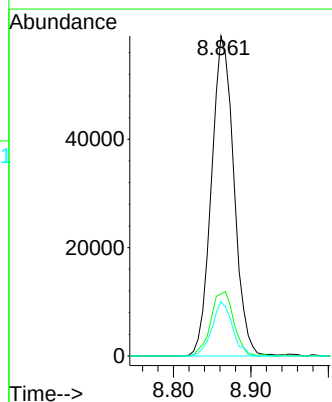
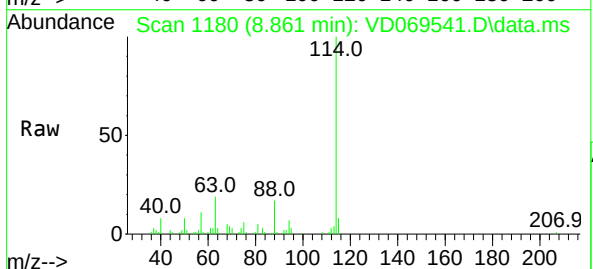
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MSVOA_D
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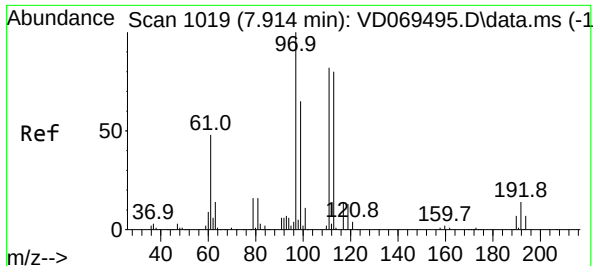
Tgt Ion: 65 Resp: 70112
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

Tgt Ion: 114 Resp: 118853
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.6
88 17.0 0.0 29.8





#35

Dibromofluoromethane

Concen: 62.179 ug/l

RT: 7.914 min Scan# 1019

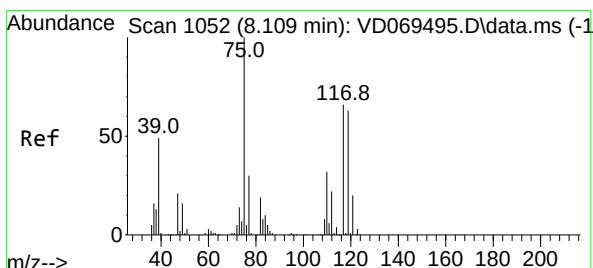
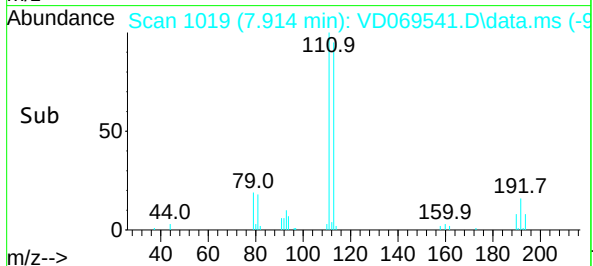
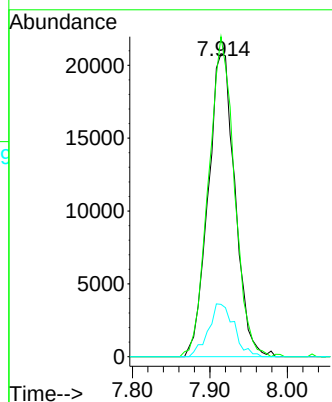
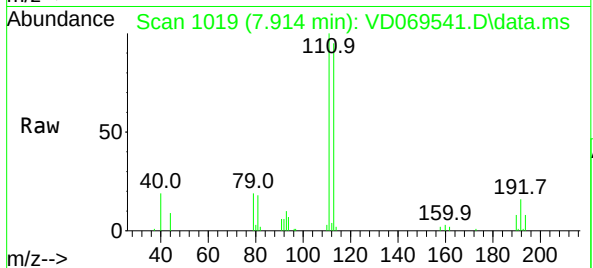
Delta R.T. -0.000 min

Lab File: VD069541.D

Acq: 23 Jun 2021 13:25

Tgt Ion:	113	Resp:	49956
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	16.7	13.8	20.6

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.397 ug/l

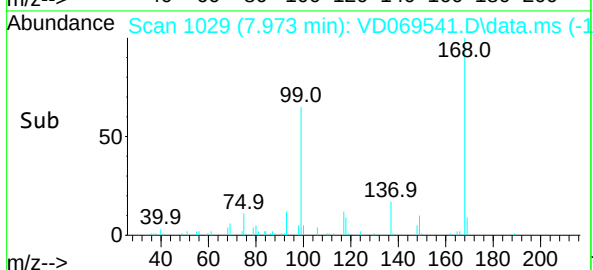
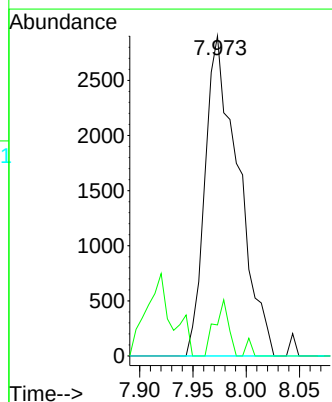
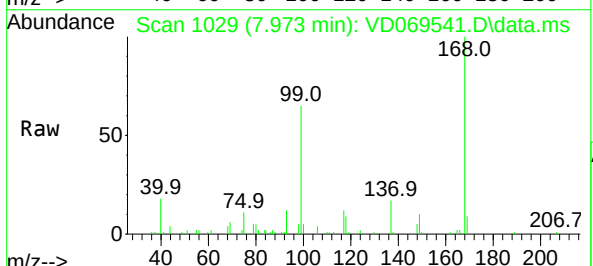
RT: 7.973 min Scan# 1029

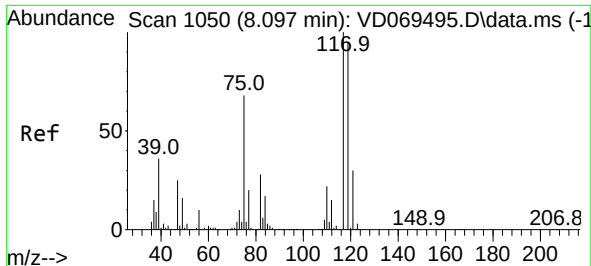
Delta R.T. -0.135 min

Lab File: VD069541.D

Acq: 23 Jun 2021 13:25

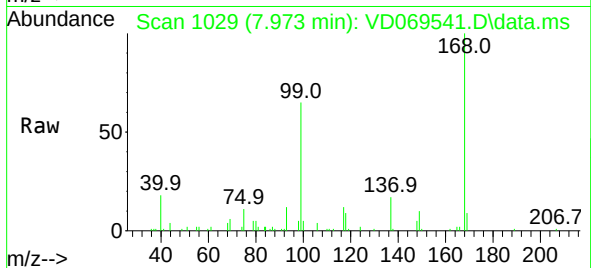
Tgt Ion:	75	Resp:	6295
Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.8	50.4#
77	0.0	24.3	36.5#



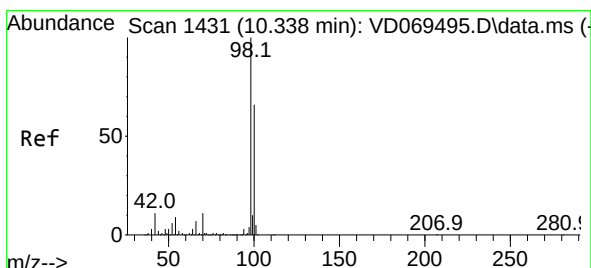
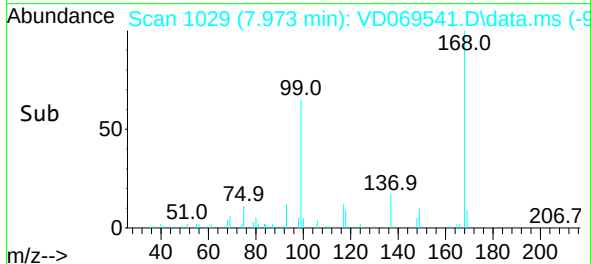
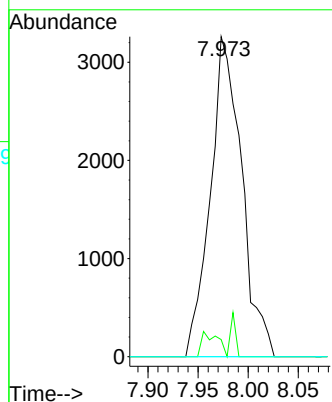


#38
Carbon Tetrachloride
Concen: 6.145 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

Instrument :
MSVOA_D
ClientSampleId :

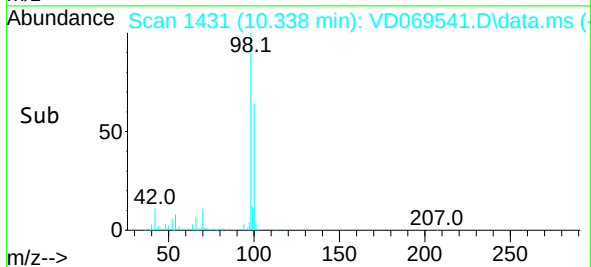
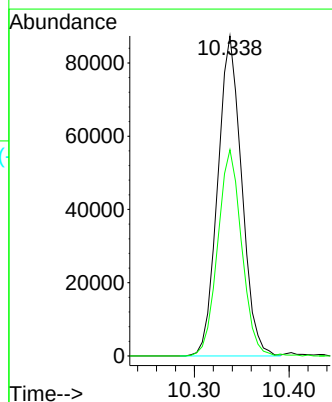
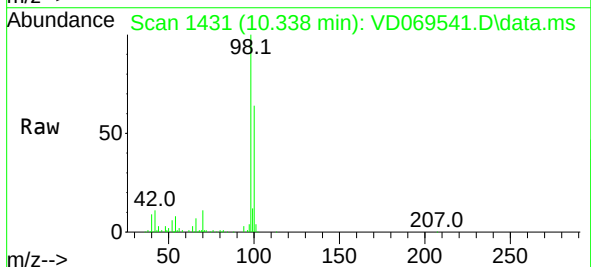


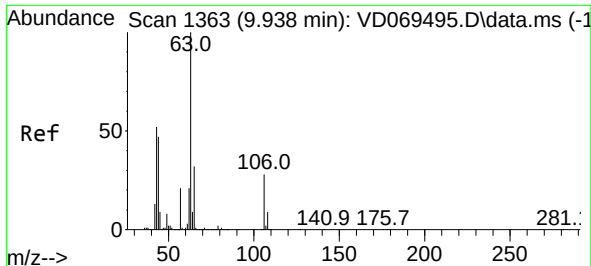
Tgt Ion:117 Resp: 7094
Ion Ratio Lower Upper
117 100
119 5.3 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 51.039 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

Tgt Ion: 98 Resp: 153810
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5

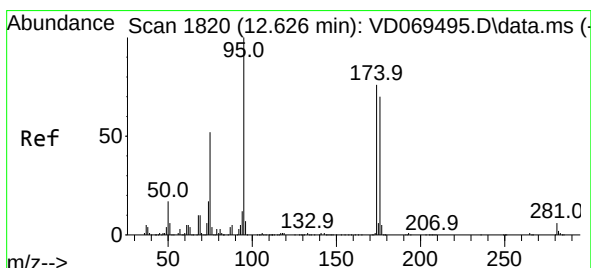
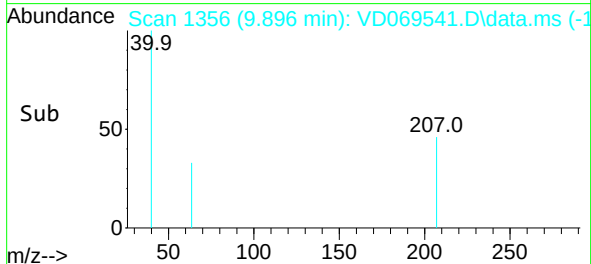
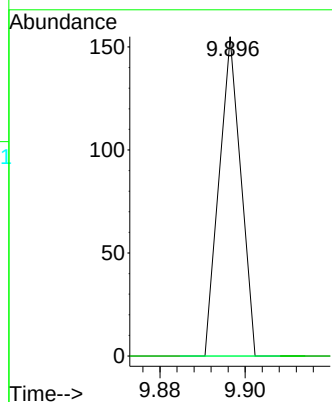
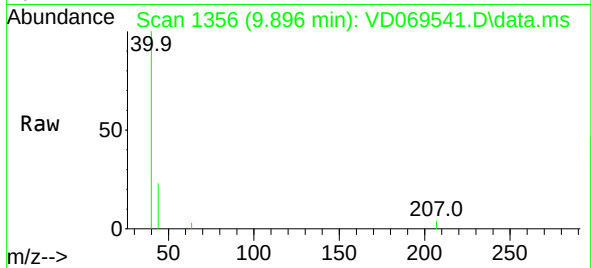




#58
2-Chloroethyl Vinyl ether
Concen: 10.734 ug/l
RT: 9.896 min Scan# 1356
Delta R.T. -0.042 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

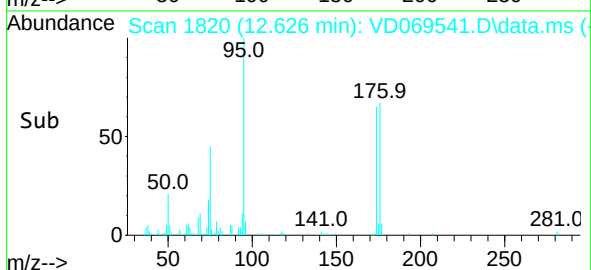
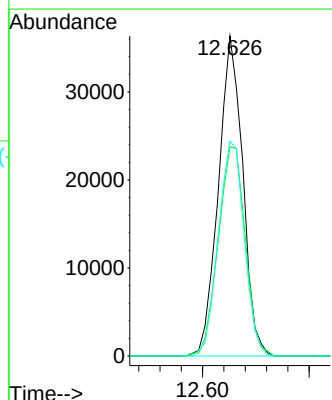
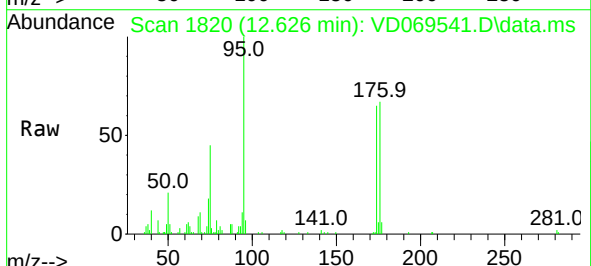
Instrument :
MSVOA_D
ClientSampled :

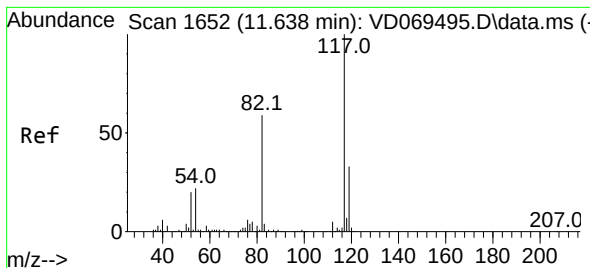
Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 58.021 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

Tgt Ion: 95 Resp: 57483
Ion Ratio Lower Upper
95 100
174 72.5 0.0 148.0
176 71.6 0.0 139.8

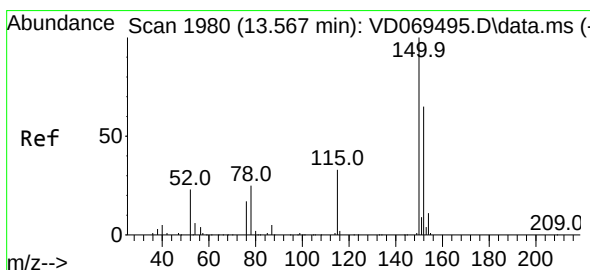
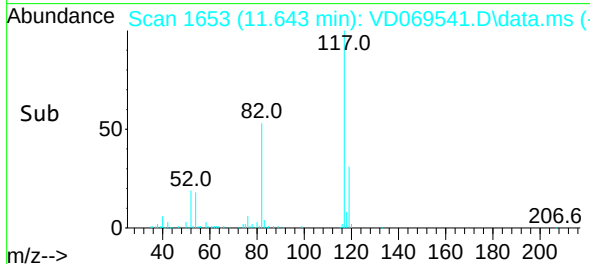
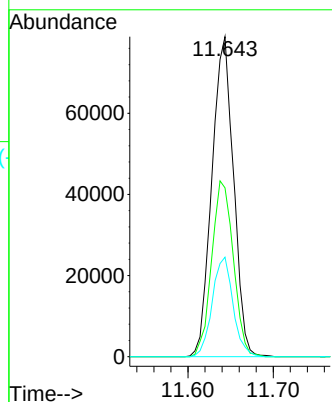
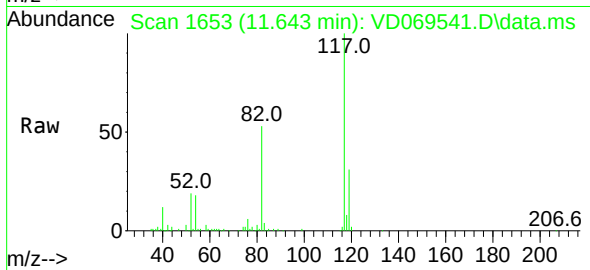




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

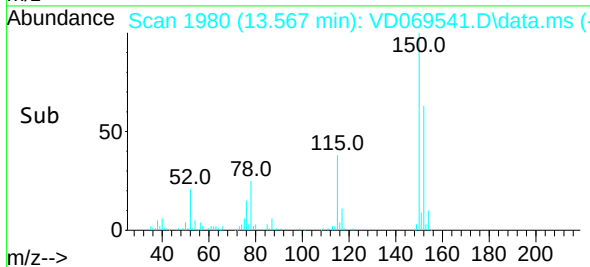
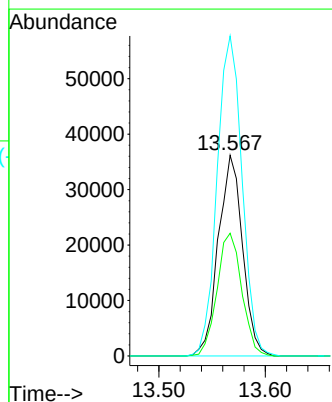
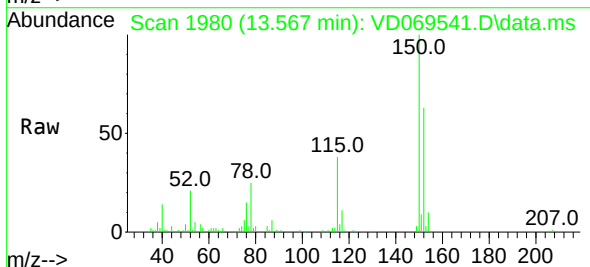
Instrument :
MSVOA_D
ClientSampleId :

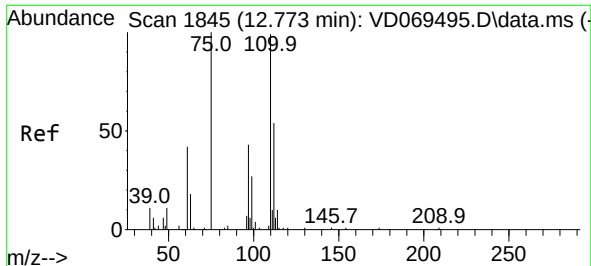
Tgt Ion:117 Resp: 139216
Ion Ratio Lower Upper
117 100
82 52.8 46.8 70.2
119 31.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

Tgt Ion:152 Resp: 57175
Ion Ratio Lower Upper
152 100
115 62.4 31.7 95.1
150 164.1 0.0 350.8

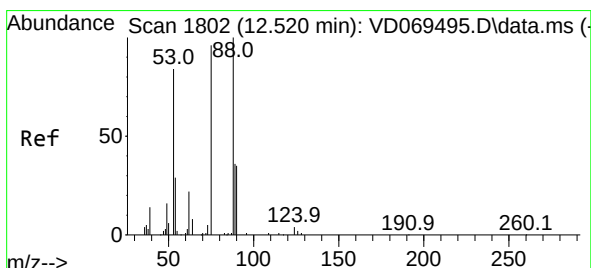
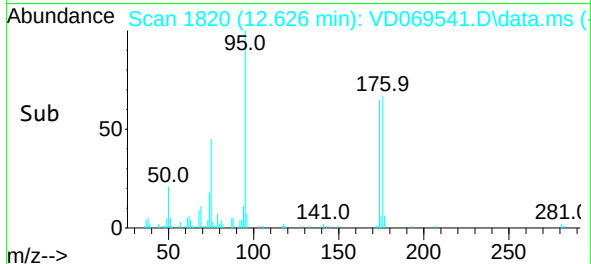
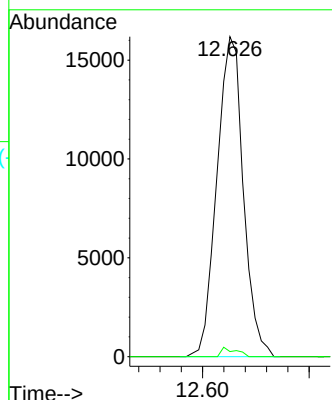
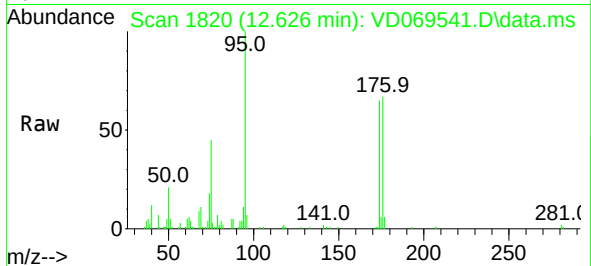




#76
1,2,3-Trichloropropane
Concen: 49.595 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

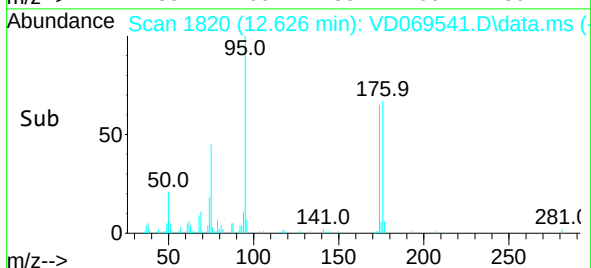
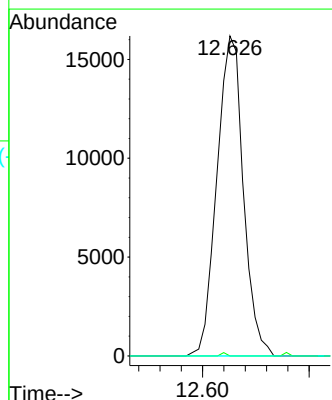
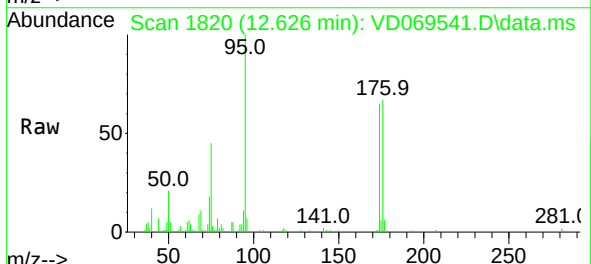
Instrument :
MSVOA_D
ClientSampleId :

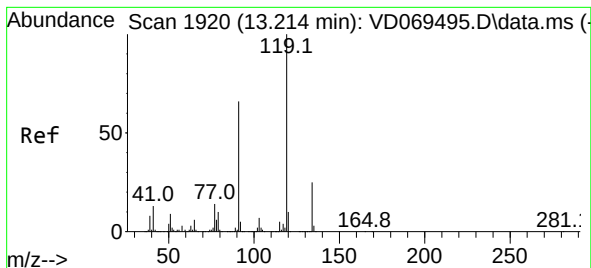
Tgt Ion: 75 Resp: 27835
Ion Ratio Lower Upper
75 100
77 1.6 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.832 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

Tgt Ion: 75 Resp: 27835
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.0 35.3 52.9#

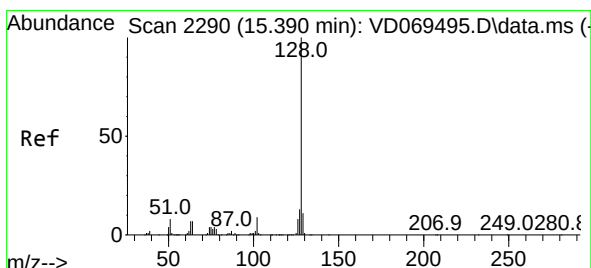
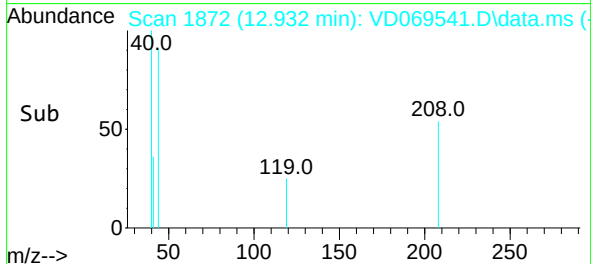
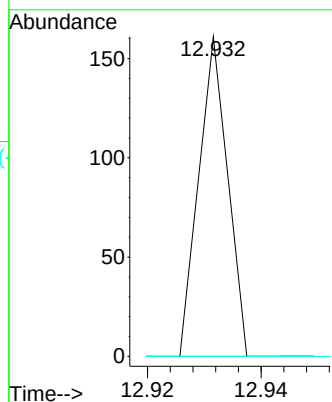
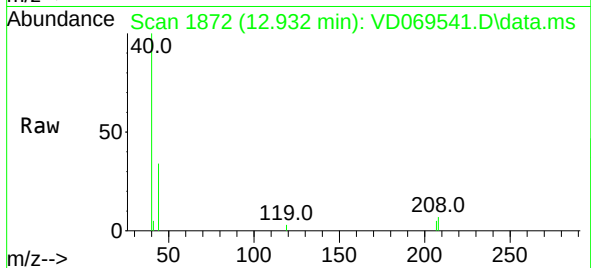




#83
tert-Butylbenzene
Concen: 2.011 ug/l
RT: 12.932 min Scan# 1872
Delta R.T. -0.282 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:119 Resp: 57
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.546 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069541.D
Acq: 23 Jun 2021 13:25

Tgt Ion:128 Resp: 365
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

