

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069528.D
 Acq On : 22 Jun 2021 20:53
 Operator : VA/SY
 Sample : M2795-03
 Misc : 8.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:31:54 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)

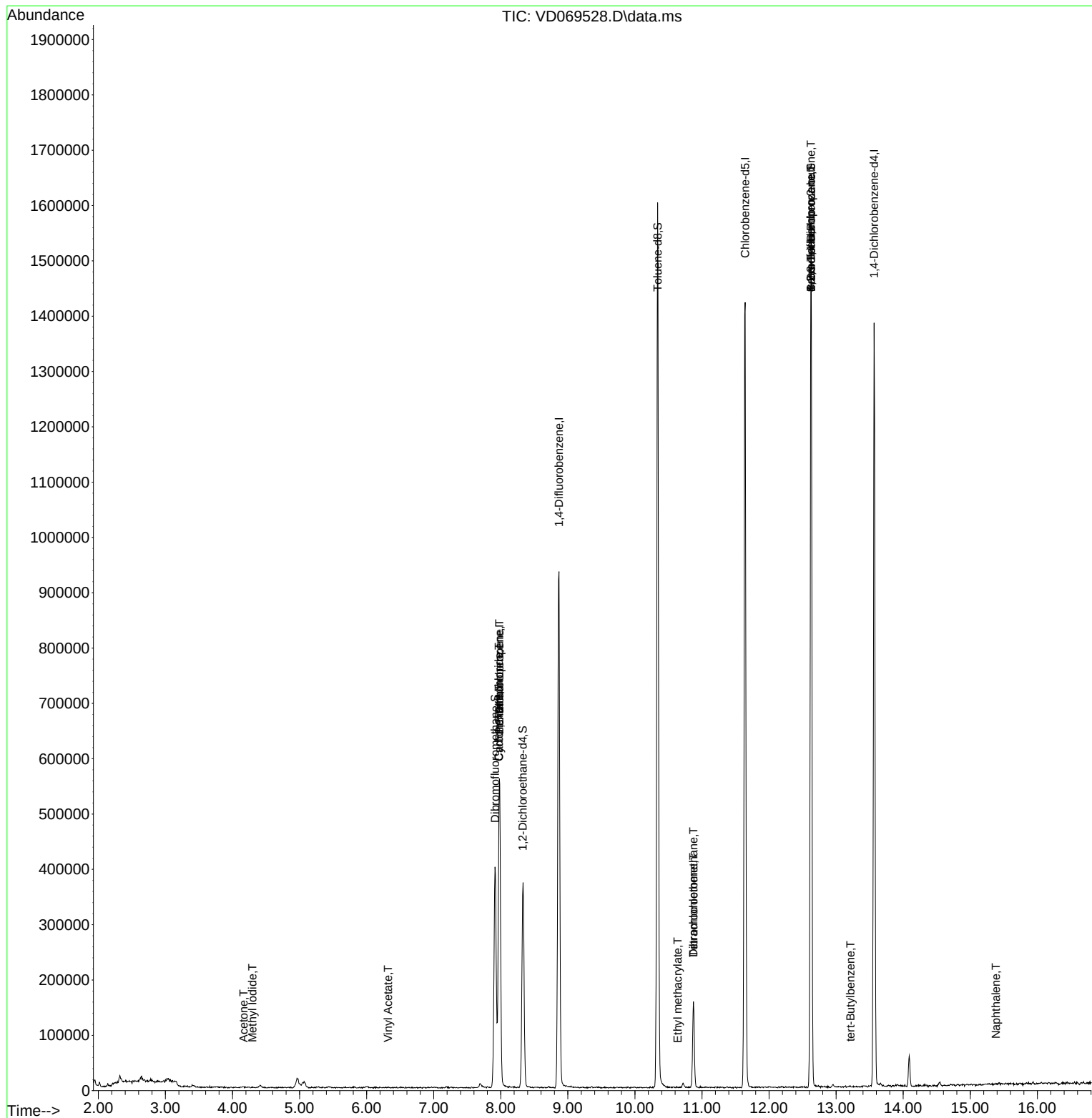
Internal Standards						
1) Pentafluorobenzene	7.979	168	400122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	802458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	835234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	347394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	298538	59.858	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.720%	
35) Dibromofluoromethane	7.914	113	292945	54.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.000%	
50) Toluene-d8	10.338	98	1067474	52.464	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.920%	
62) 4-Bromofluorobenzene	12.626	95	370792	55.432	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.860%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1839	Below Cal		98
10) Methyl Iodide	4.297	142	281	4.002 ug/l #		90
11) Tert butyl alcohol	5.214	59	169	Below Cal #		83
16) Acetone	4.167	43	1262	1.503 ug/l #		41
18) Methyl Acetate	4.691	43	61	Below Cal #		49
20) Methylene Chloride	4.967	84	13345	Below Cal		92
23) Vinyl Acetate	6.320	43	55	19.018 ug/l #		70
31) Cyclohexane	7.973	56	11432	1.702 ug/l #		7
36) 1,1-Dichloropropene	7.979	75	36195	4.596 ug/l #		51
38) Carbon Tetrachloride	7.973	117	43299	5.555 ug/l #		19
56) Ethyl methacrylate	10.638	69	146	2.609 ug/l #		27
60) Dibromochloromethane	10.873	129	33167	6.528 ug/l #		10
64) Tetrachloroethene	10.873	164	34744	6.624 ug/l		95
71) Bromoform	12.626	173	3226	1.054 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	200220	58.714 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	200220	146.600 ug/l #		13
83) tert-Butylbenzene	13.214	119	139	2.000 ug/l #		27
95) Naphthalene	15.384	128	434	3.392 ug/l #		69

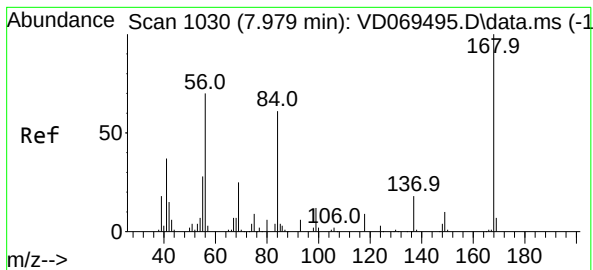
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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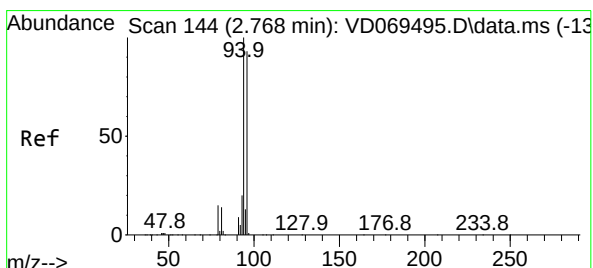
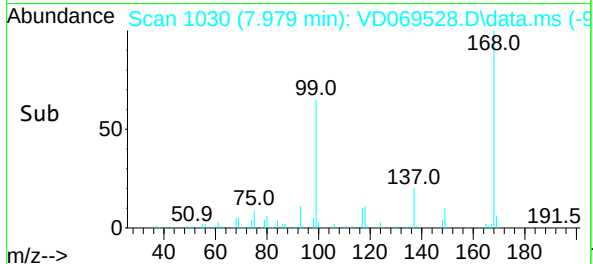
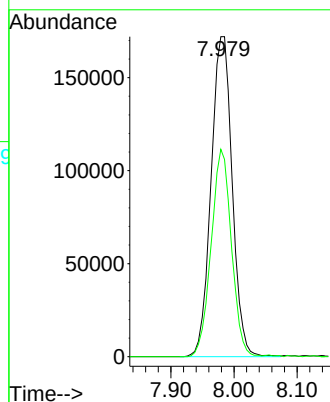
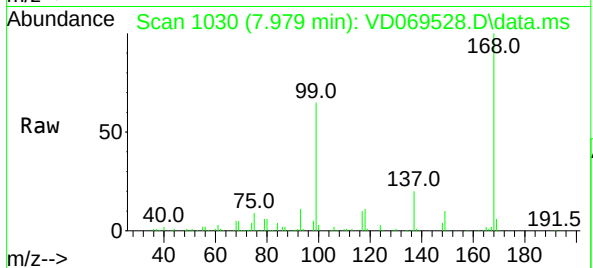




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

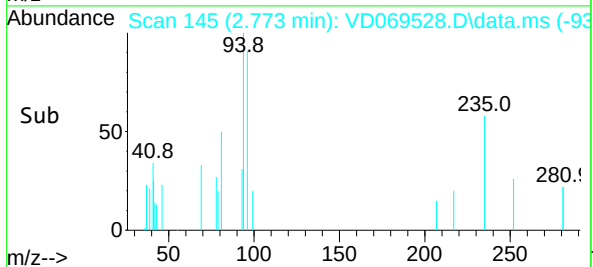
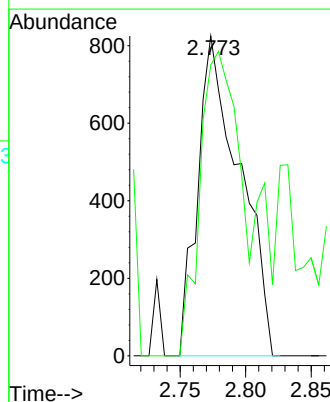
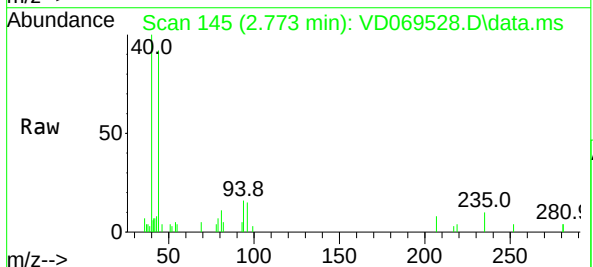
Instrument :
MSVOA_D
ClientSampled :

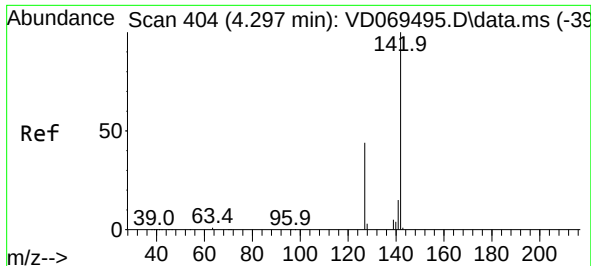
Tgt Ion:168 Resp: 400122
Ion Ratio Lower Upper
168 100
99 64.8 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

Tgt Ion: 94 Resp: 1839
Ion Ratio Lower Upper
94 100
96 90.9 74.6 111.8

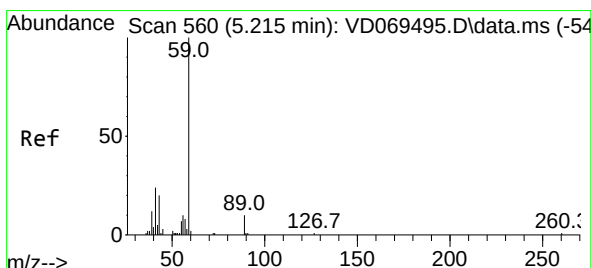
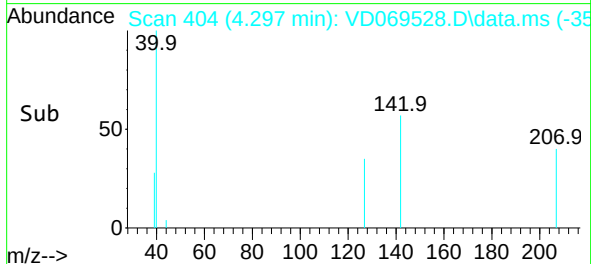
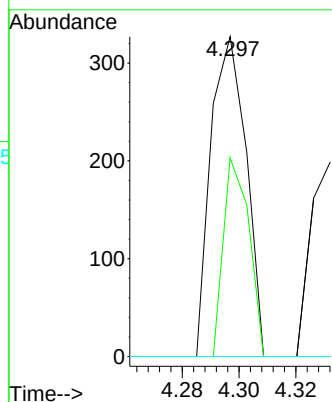
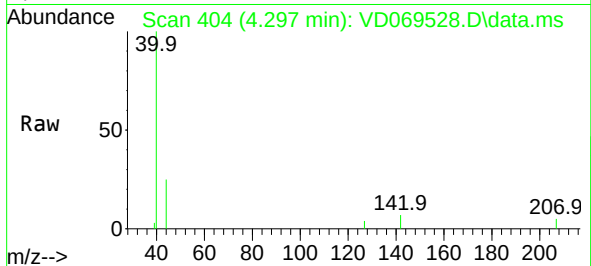




#10
Methyl Iodide
Concen: 4.002 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

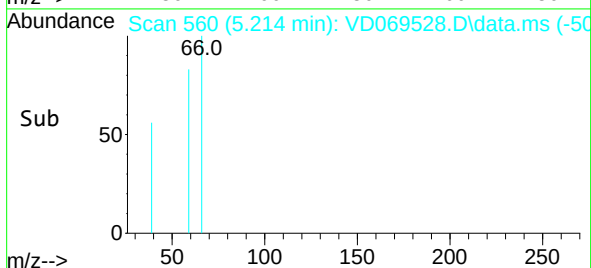
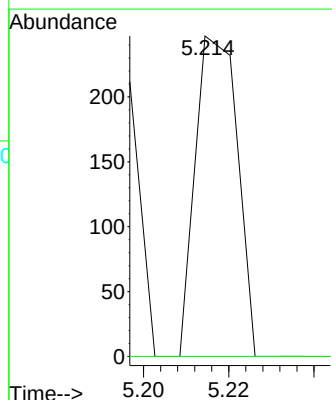
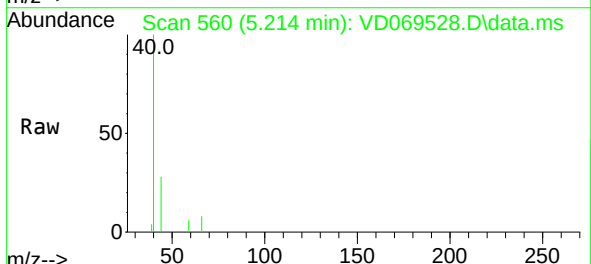
Instrument :
MSVOA_D
ClientSampleId :

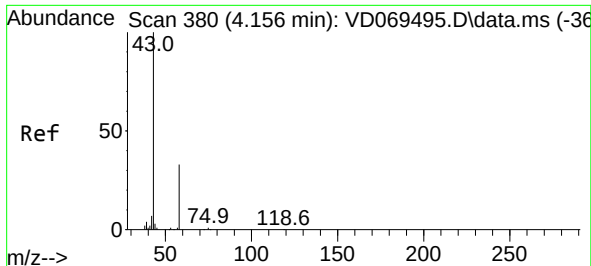
Tgt Ion:142 Resp: 281
Ion Ratio Lower Upper
142 100
127 44.8 36.5 54.7
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.001 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

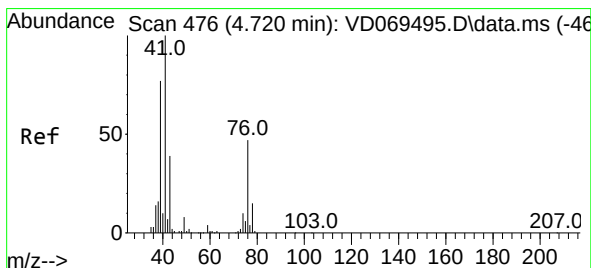
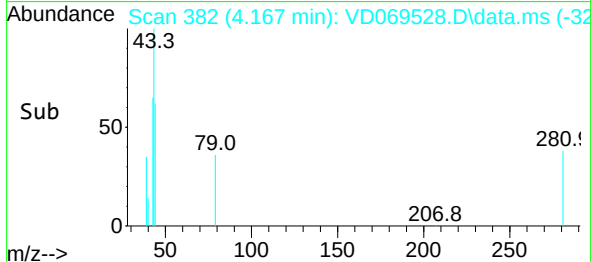
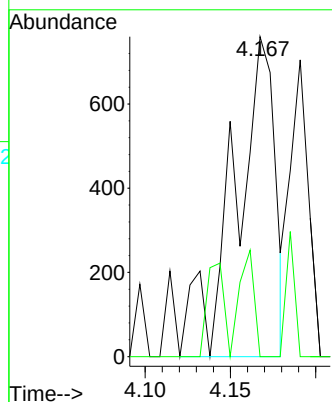
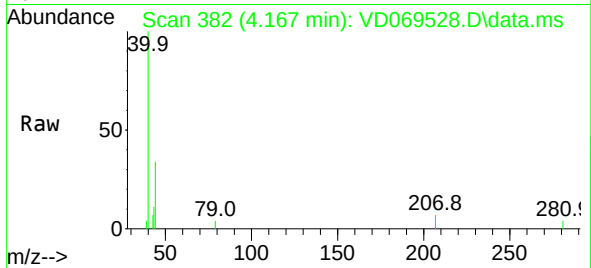




#16
Acetone
Concen: 1.503 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

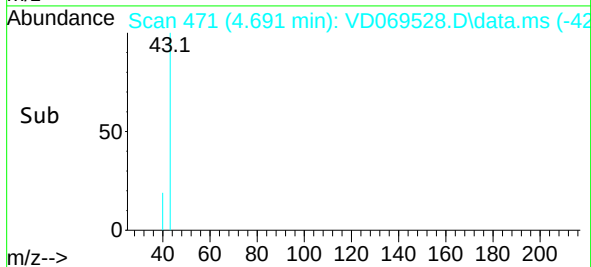
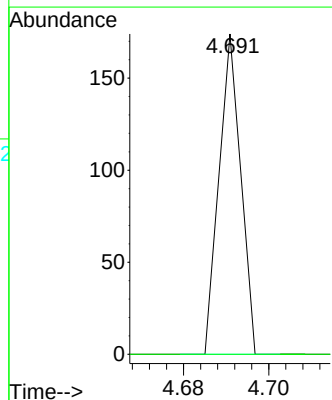
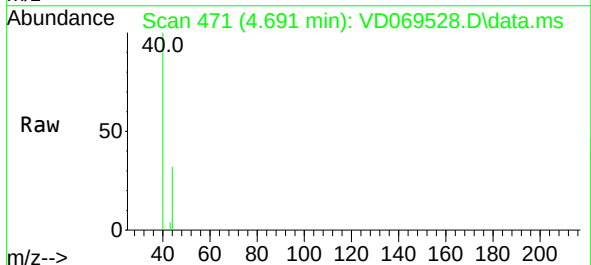
Instrument :
MSVOA_D
ClientSampled :

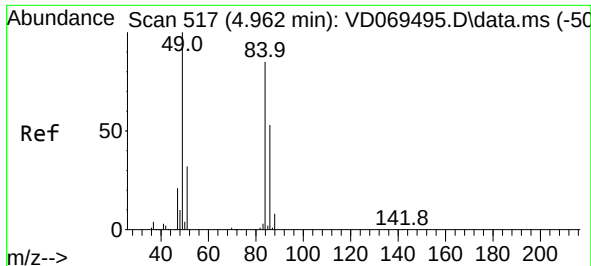
Tgt Ion: 43 Resp: 1262
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.691 min Scan# 471
Delta R.T. -0.029 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

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

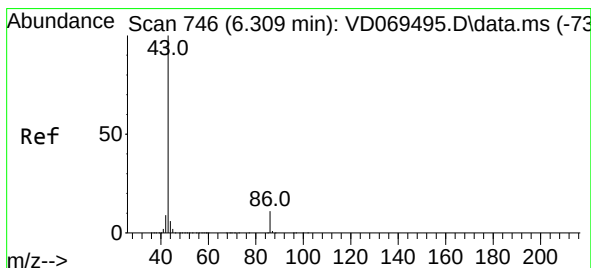
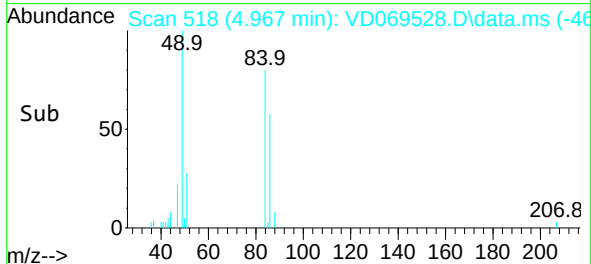
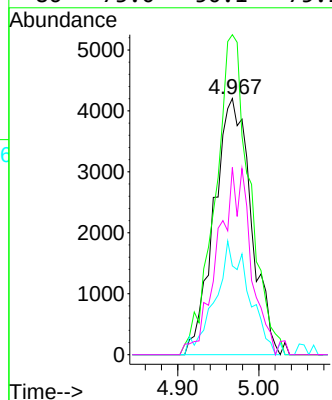
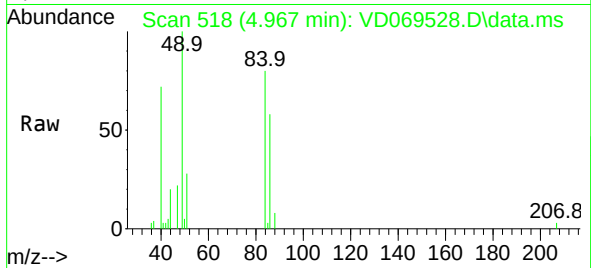




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

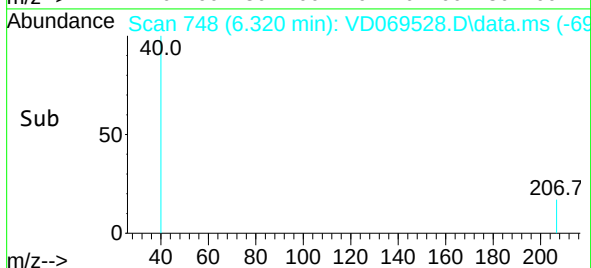
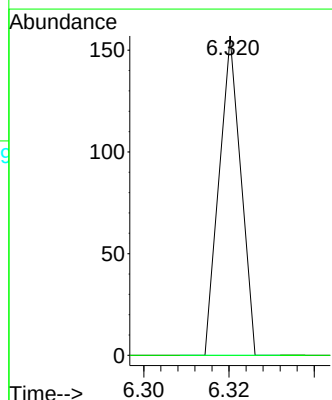
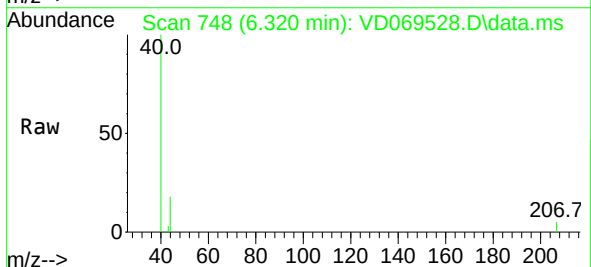
Instrument :
MSVOA_D
ClientSampled :

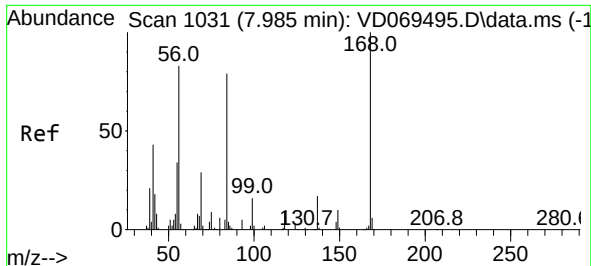
Tgt Ion:	84	Resp:	13345
Ion	Ratio	Lower	Upper
84	100		
49	124.9	94.0	141.0
51	34.7	29.7	44.5
86	73.0	50.1	75.1



#23
Vinyl Acetate
Concen: 19.018 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

Tgt Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

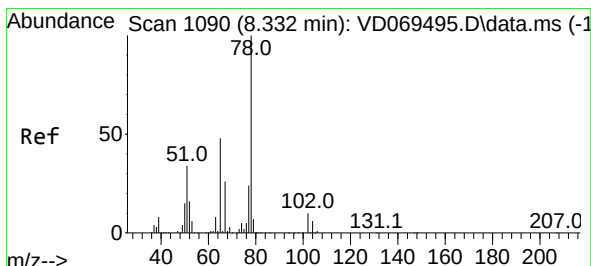
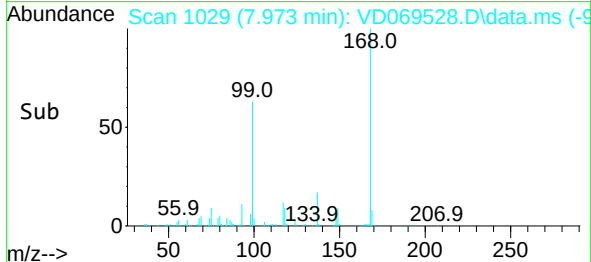
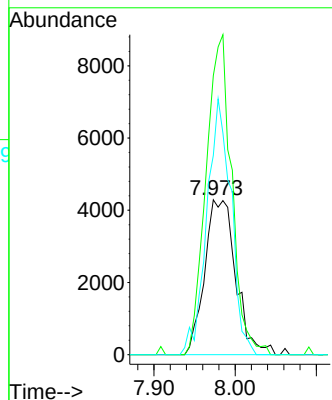
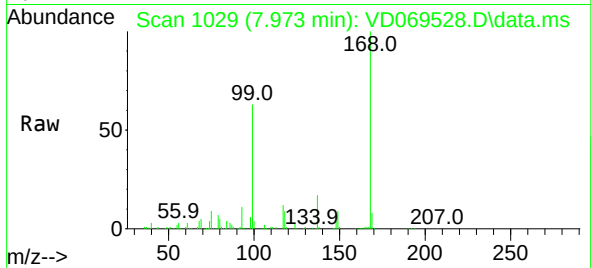




#31
Cyclohexane
Concen: 1.702 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

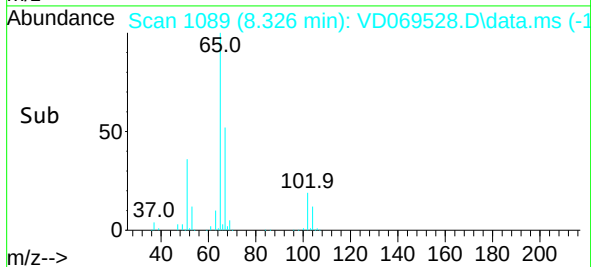
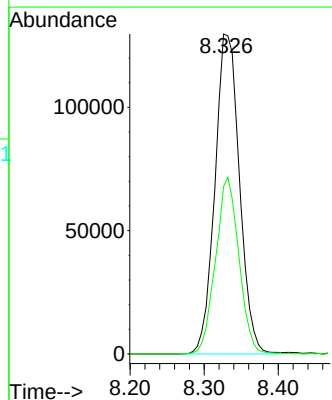
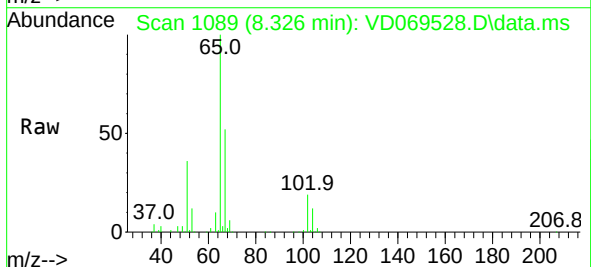
Instrument :
MSVOA_D
ClientSampleId :

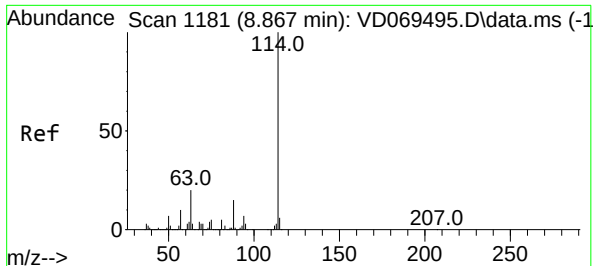
Tgt Ion: 56 Resp: 11432
Ion Ratio Lower Upper
56 100
69 180.2 28.0 42.0#
84 128.6 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 59.858 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

Tgt Ion: 65 Resp: 298538
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.6

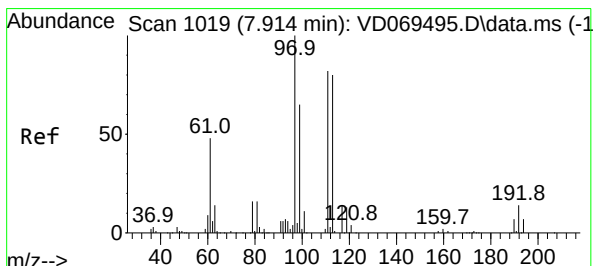
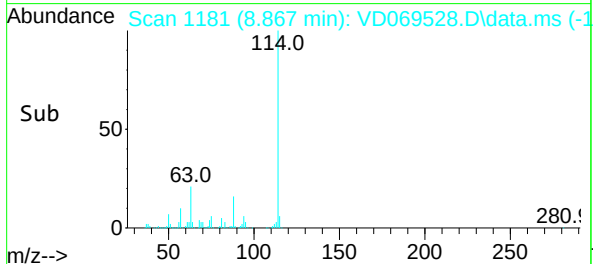
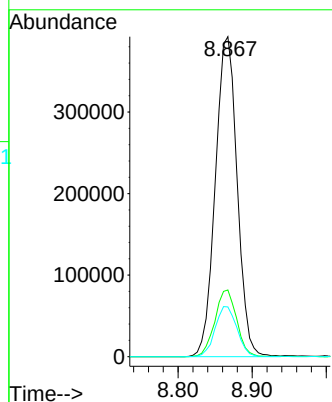
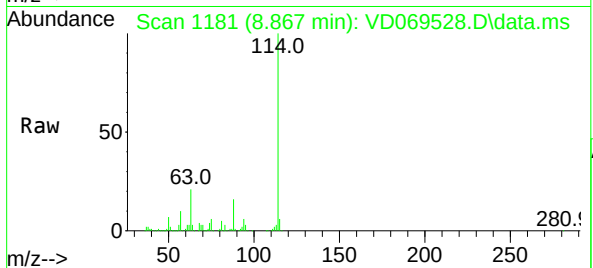




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

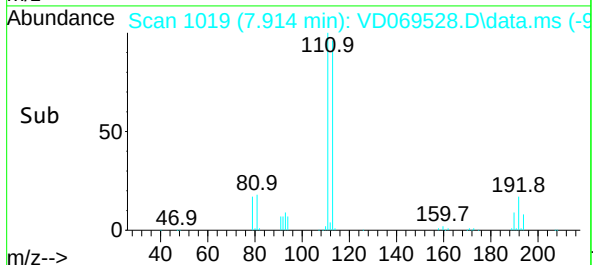
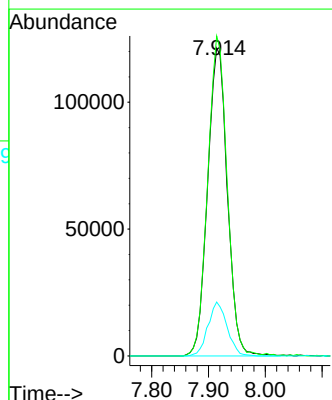
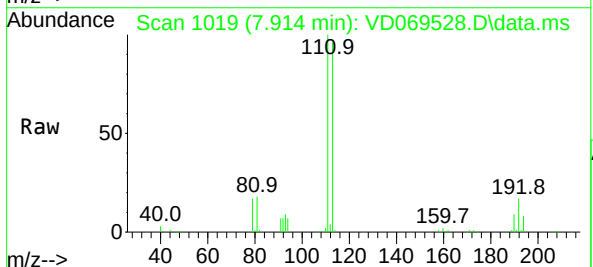
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MSVOA_D
ClientSampled :

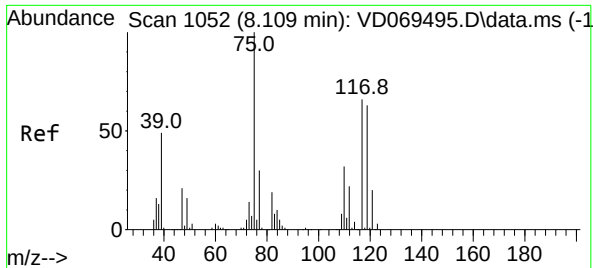
Tgt Ion:114 Resp: 802458
Ion Ratio Lower Upper
114 100
63 20.8 0.0 39.6
88 15.6 0.0 29.8



#35
Dibromofluoromethane
Concen: 54.004 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

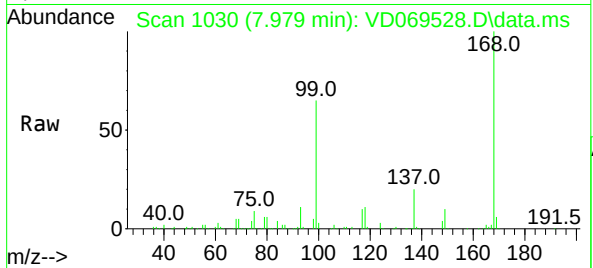
Tgt Ion:113 Resp: 292945
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 16.9 13.8 20.6



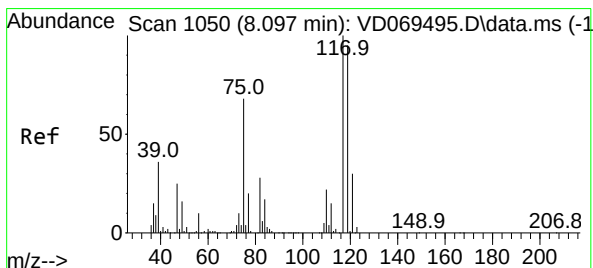
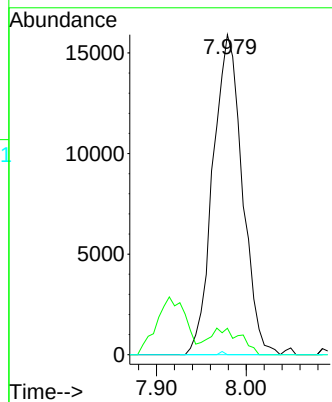
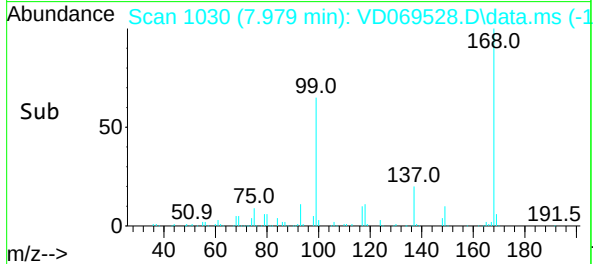


#36
1,1-Dichloropropene
Concen: 4.596 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

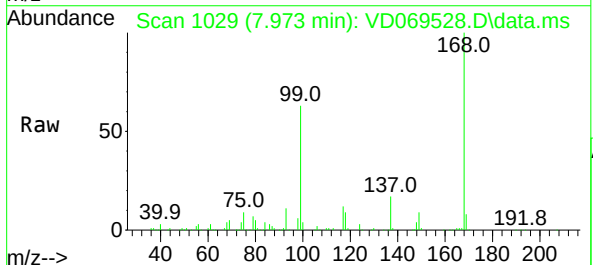
Instrument :
MSVOA_D
ClientSampled :



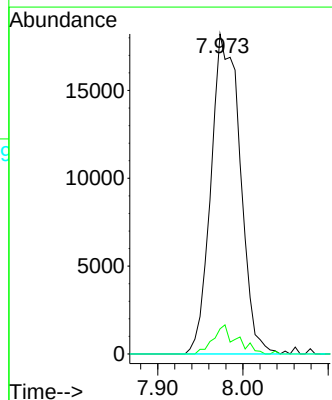
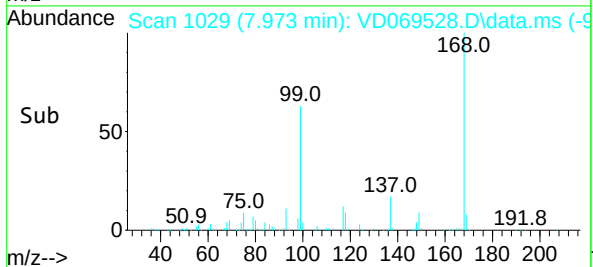
Tgt Ion: 75 Resp: 36195
Ion Ratio Lower Upper
75 100
110 8.7 16.8 50.4#
77 0.2 24.3 36.5#

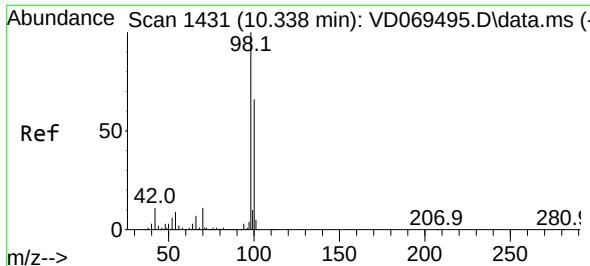


#38
Carbon Tetrachloride
Concen: 5.555 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53



Tgt Ion: 117 Resp: 43299
Ion Ratio Lower Upper
117 100
119 7.9 75.6 113.4#
121 0.0 23.8 35.8#

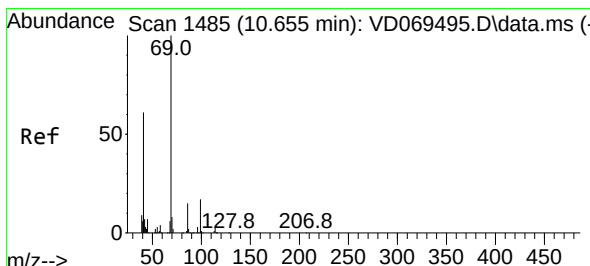
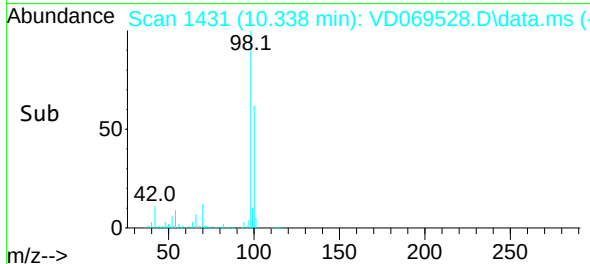
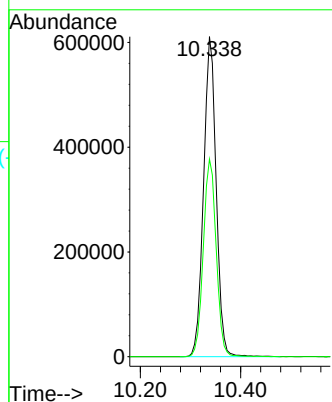
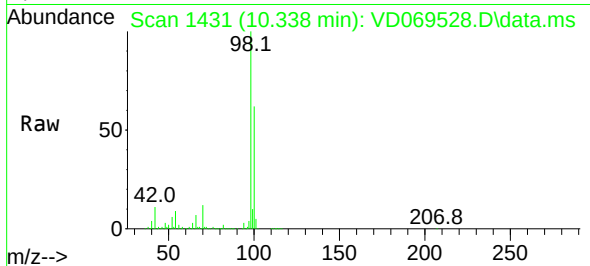




#50
Toluene-d8
Concen: 52.464 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

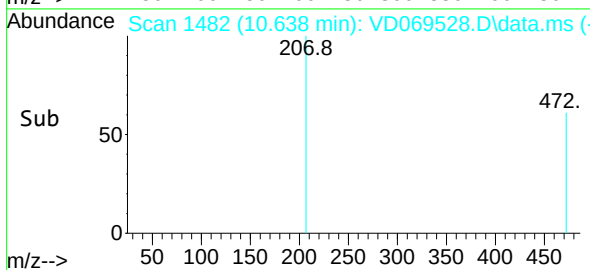
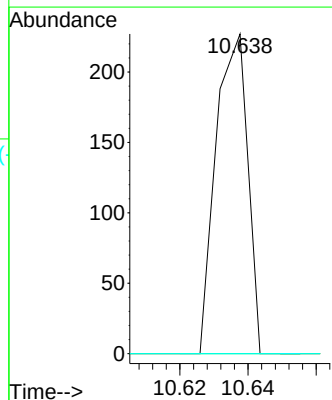
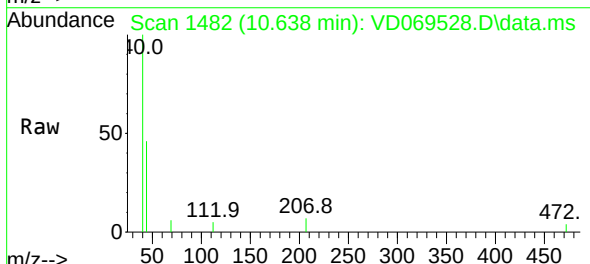
Instrument :
MSVOA_D
ClientSampled :

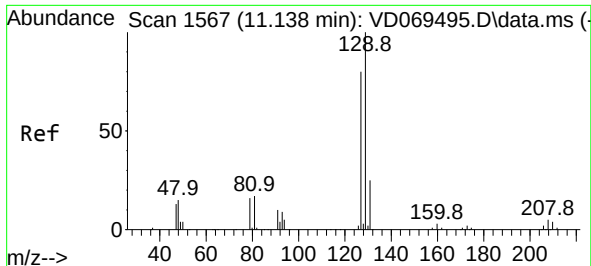
Tgt Ion: 98 Resp: 1067474
Ion Ratio Lower Upper
98 100
100 63.2 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.609 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

Tgt Ion: 69 Resp: 146
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 0.0 26.9 40.3#

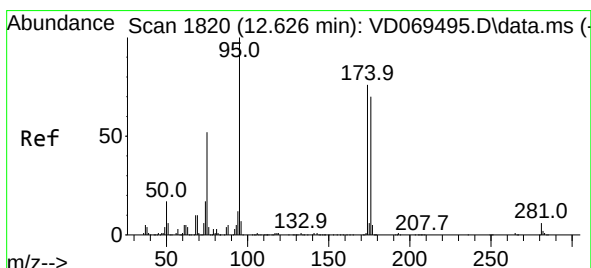
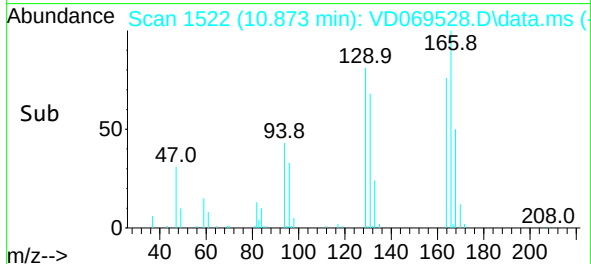
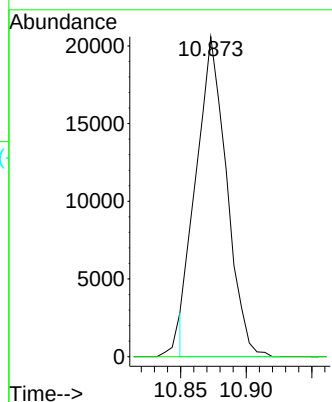
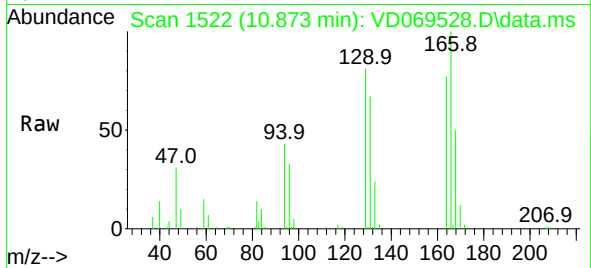




#60
Dibromochloromethane
Concen: 6.528 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.265 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

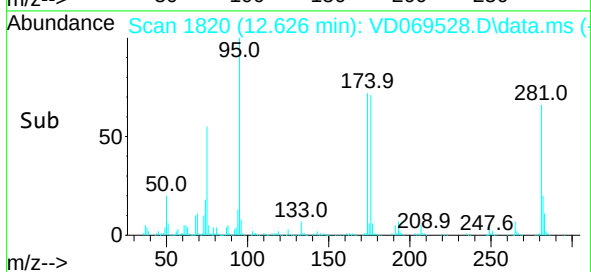
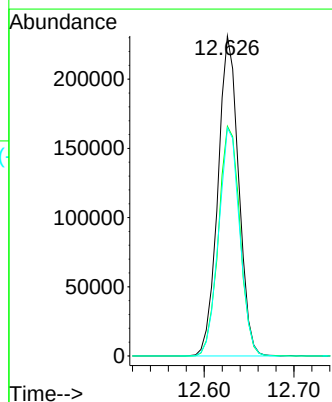
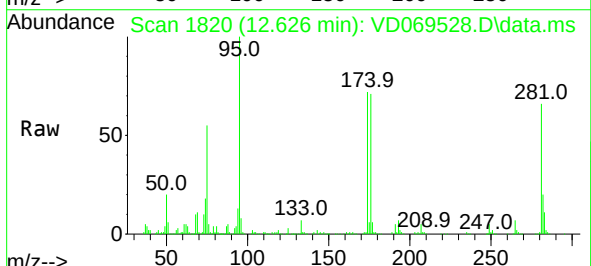
Instrument :
MSVOA_D
ClientSampleId :

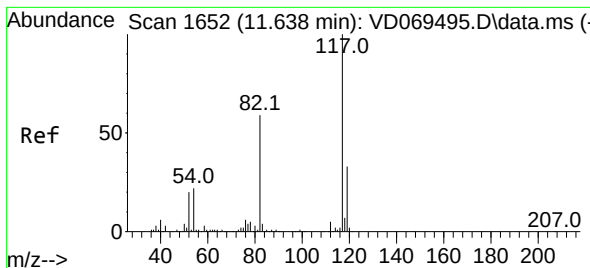
Tgt Ion:129 Resp: 33167
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 55.432 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

Tgt Ion: 95 Resp: 370792
Ion Ratio Lower Upper
95 100
174 74.1 0.0 148.0
176 72.5 0.0 139.8

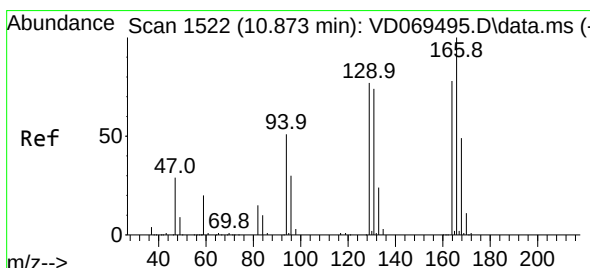
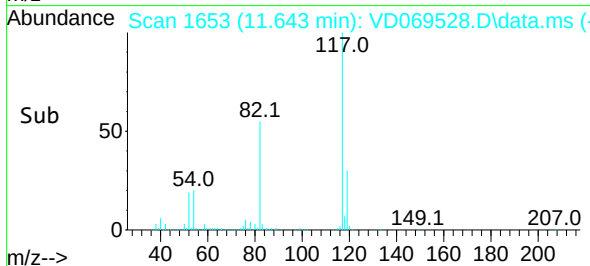
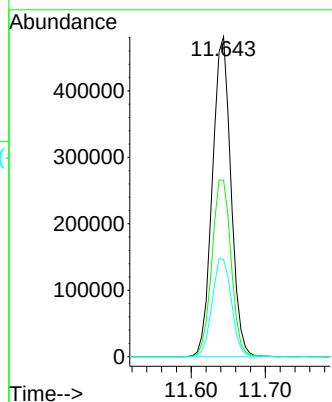
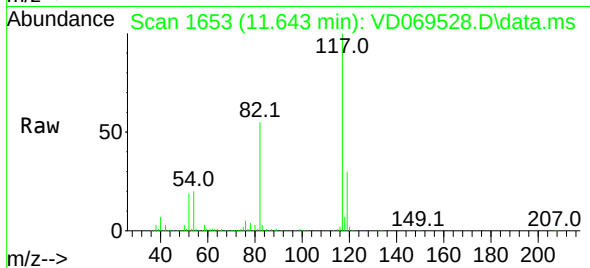




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

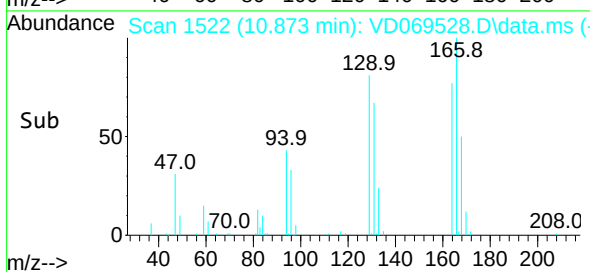
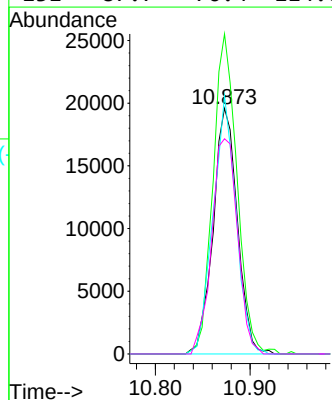
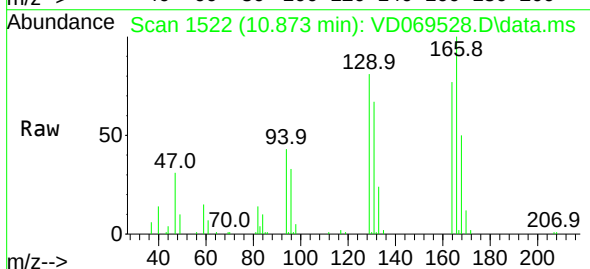
Instrument :
MSVOA_D
ClientSampleId :

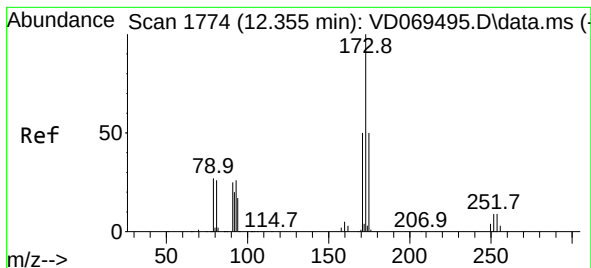
Tgt Ion:117 Resp: 835234
Ion Ratio Lower Upper
117 100
82 55.2 46.8 70.2
119 30.4 26.2 39.2



#64
Tetrachloroethene
Concen: 6.624 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

Tgt Ion:164 Resp: 34744
Ion Ratio Lower Upper
164 100
166 130.3 102.6 153.8
129 105.1 79.1 118.7
131 87.7 76.4 114.6





#71

Bromoform

Concen: 1.054 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.270 min

Lab File: VD069528.D

Acq: 22 Jun 2021 20:53

Tgt Ion:173 Resp: 3226

Ion Ratio Lower Upper

173 100

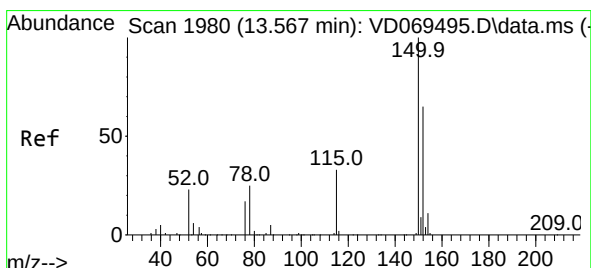
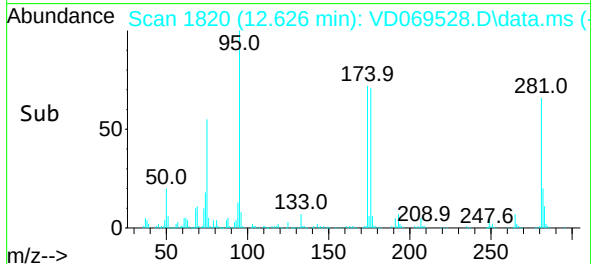
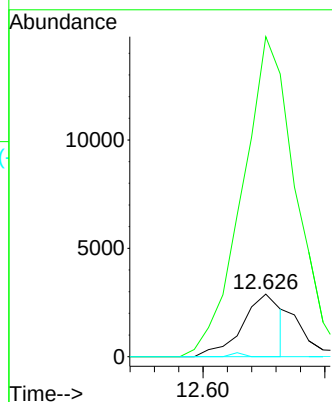
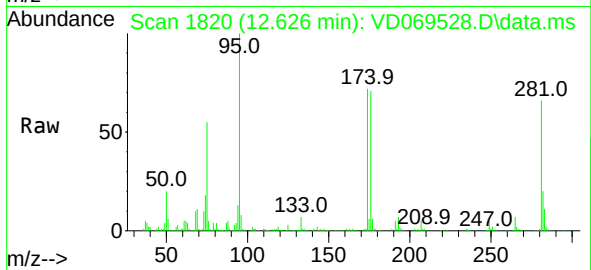
175 536.1 24.6 73.8#

254 2.0 0.1 0.1#

Instrument :

MSVOA_D

ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. -0.000 min

Lab File: VD069528.D

Acq: 22 Jun 2021 20:53

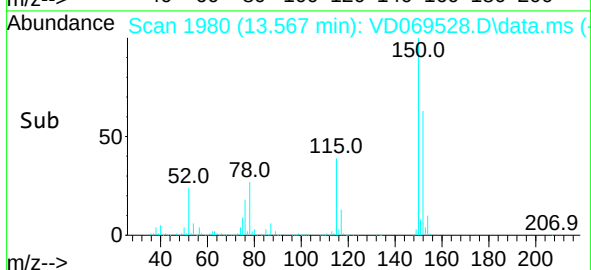
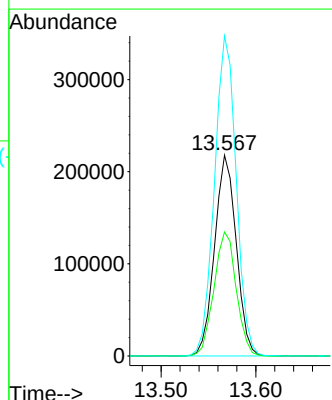
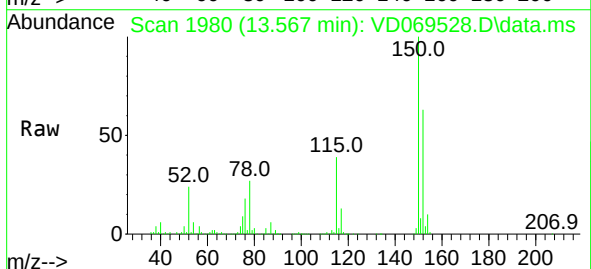
Tgt Ion:152 Resp: 347394

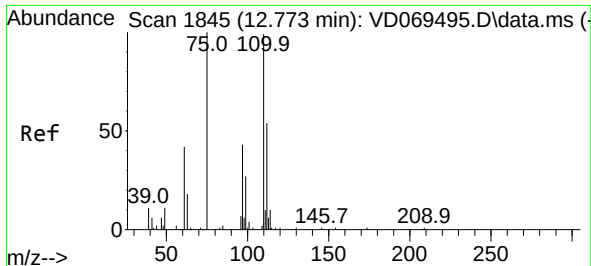
Ion Ratio Lower Upper

152 100

115 63.4 31.7 95.1

150 159.7 0.0 350.8

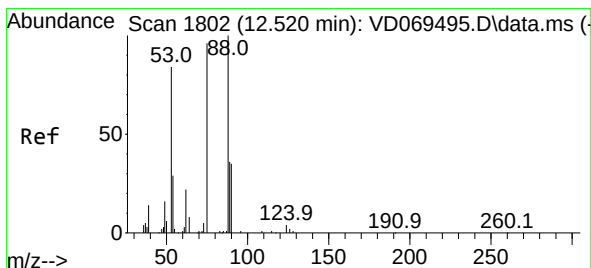
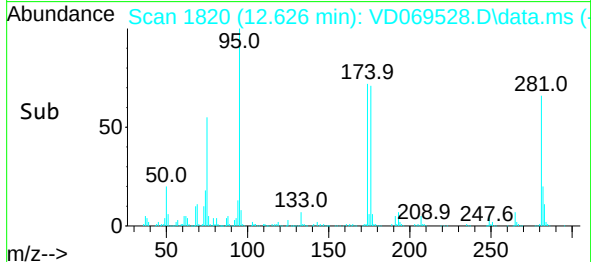
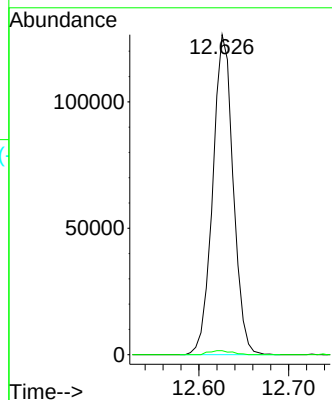
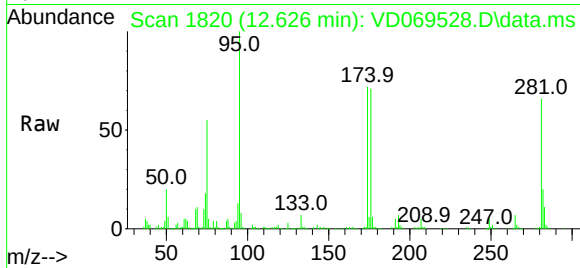




#76
1,2,3-Trichloropropane
Concen: 58.714 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

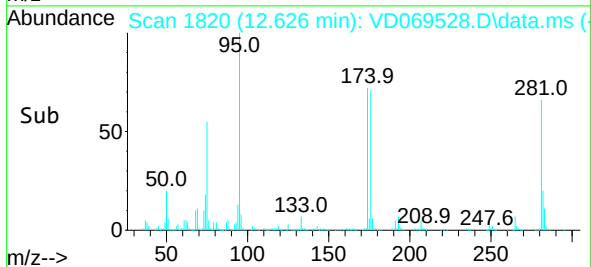
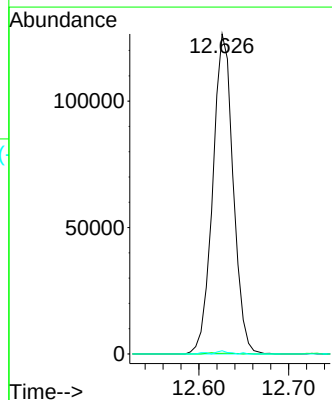
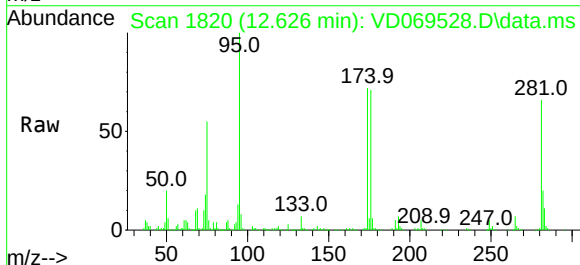
Instrument :
MSVOA_D
ClientSampleId :

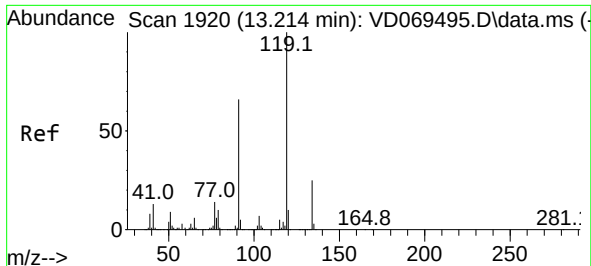
Tgt Ion: 75 Resp: 200220
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 146.600 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

Tgt Ion: 75 Resp: 200220
Ion Ratio Lower Upper
75 100
53 0.4 74.6 112.0#
89 0.7 35.3 52.9#

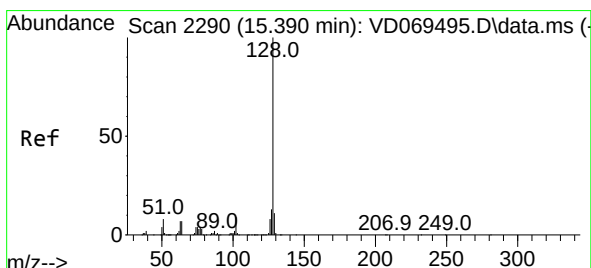
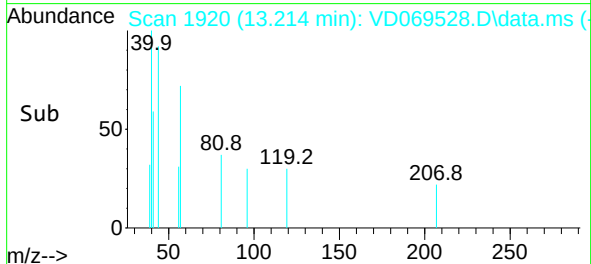
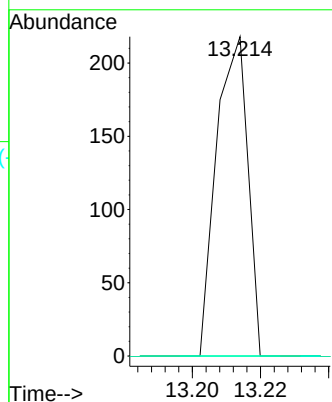
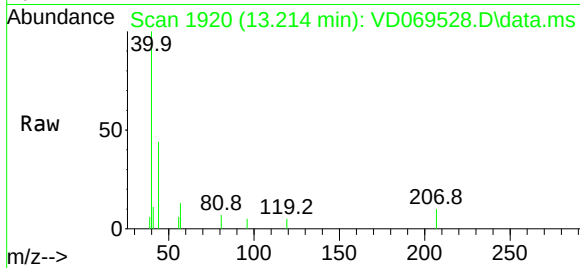




#83
tert-Butylbenzene
Concen: 2.000 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:119 Resp: 139
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.392 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069528.D
Acq: 22 Jun 2021 20:53

Tgt Ion:128 Resp: 434
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

