

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069518.D
 Acq On : 22 Jun 2021 16:12
 Operator : VA/SY
 Sample : M2773-04
 Misc : 5.82G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

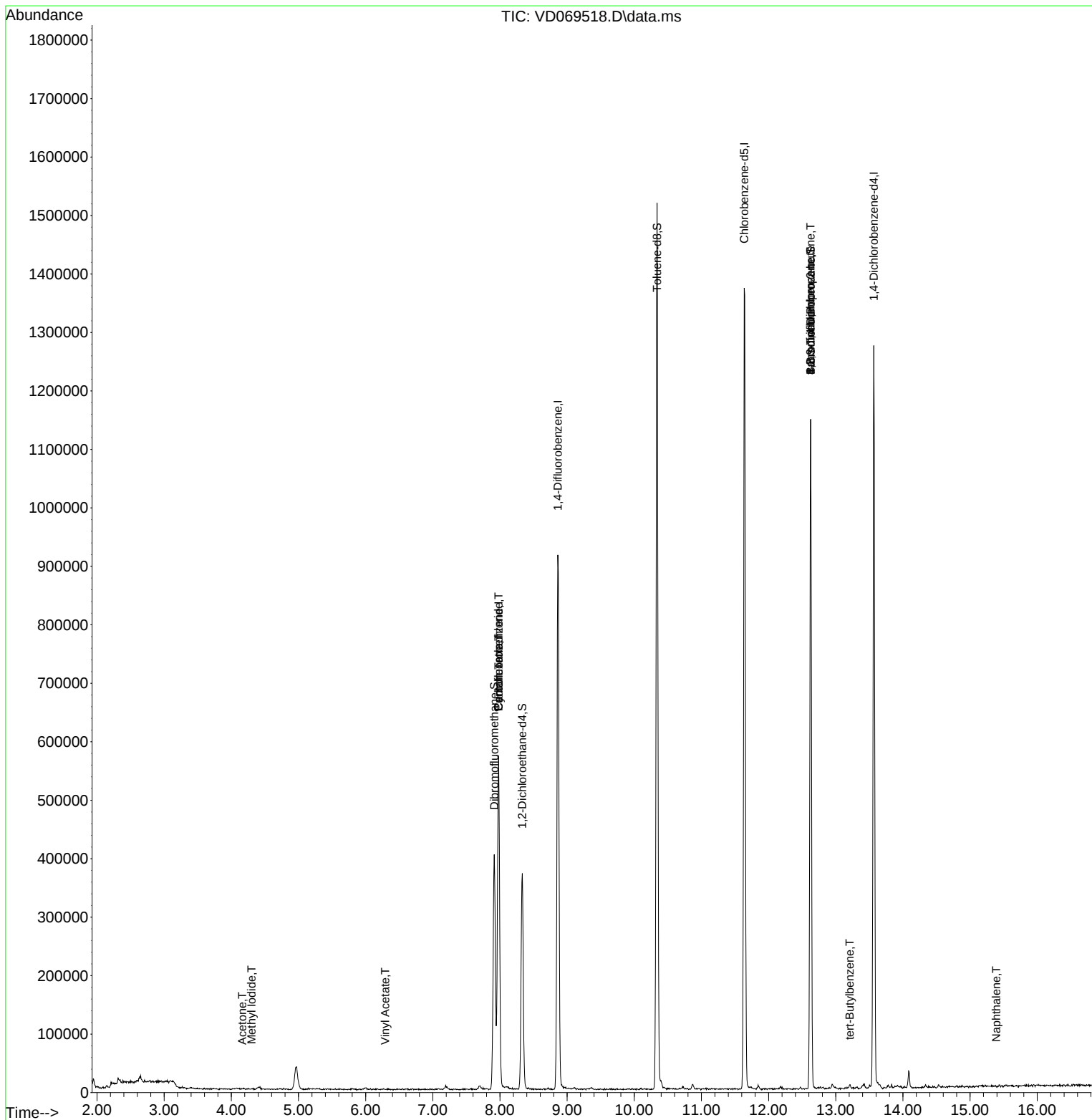
Quant Time: Jun 23 04:28:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

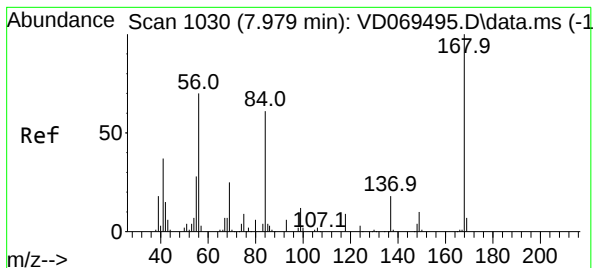
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	390521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	784179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	813468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	326723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	297647	61.146	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.300%			
35) Dibromofluoromethane	7.914	113	285245	53.811	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.620%			
50) Toluene-d8	10.338	98	1029147	51.759	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.520%			
62) 4-Bromofluorobenzene	12.626	95	346074	52.943	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.880%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1502	Below Cal	#	80
10) Methyl Iodide	4.303	142	554	4.065	ug/l #	50
11) Tert butyl alcohol	5.215	59	609	Below Cal	#	83
16) Acetone	4.162	43	2314	2.824	ug/l #	41
18) Methyl Acetate	4.585	43	78	Below Cal	#	49
20) Methylene Chloride	4.973	84	30637	Below Cal		97
23) Vinyl Acetate	6.291	43	188	19.036	ug/l #	70
31) Cyclohexane	7.979	56	9875	1.507	ug/l #	2
38) Carbon Tetrachloride	7.979	117	43689	5.736	ug/l #	18
71) Bromoform	12.626	173	3045	1.022	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	177951	55.485	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	177951	138.538	ug/l #	13
83) tert-Butylbenzene	13.208	119	1278	2.065	ug/l #	86
95) Naphthalene	15.391	128	227	3.375	ug/l #	69

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

Quant Time: Jun 23 04:28:55 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD069518.D

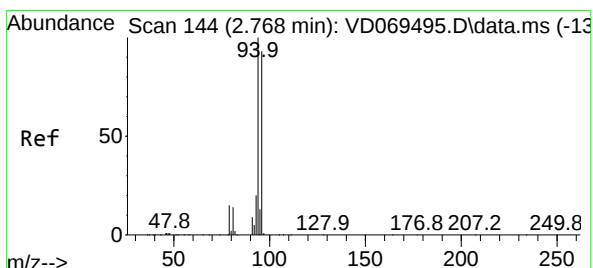
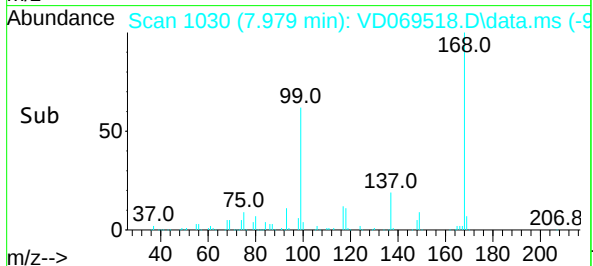
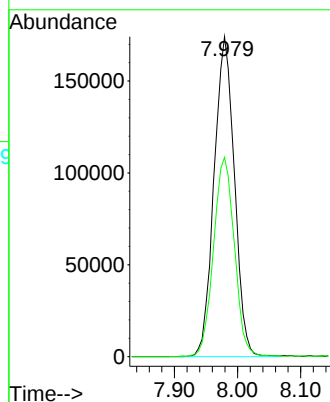
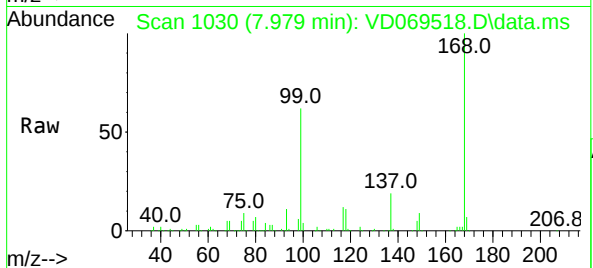
Acq: 22 Jun 2021 16:12

Tgt Ion:168 Resp: 390521

Ion Ratio Lower Upper

168 100

99 62.2 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.785 min Scan# 147

Delta R.T. 0.017 min

Lab File: VD069518.D

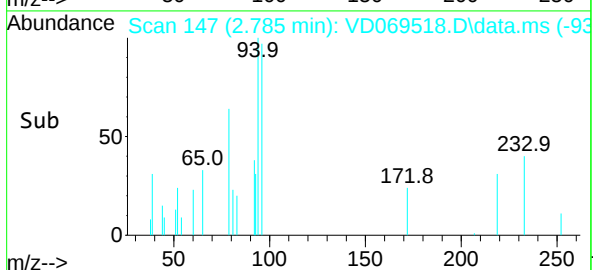
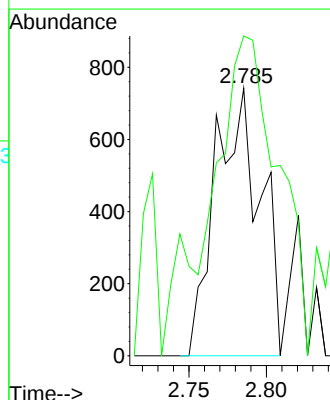
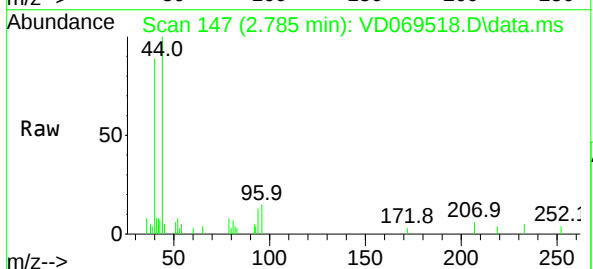
Acq: 22 Jun 2021 16:12

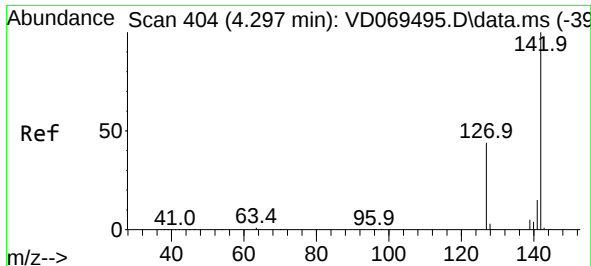
Tgt Ion: 94 Resp: 1502

Ion Ratio Lower Upper

94 100

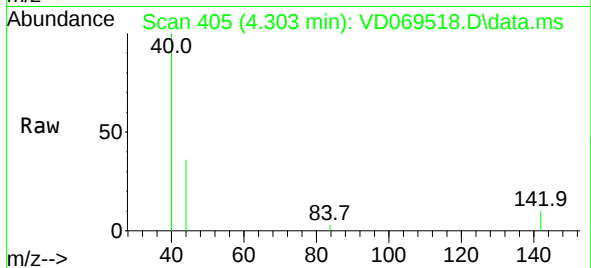
96 74.0 74.6 111.8#



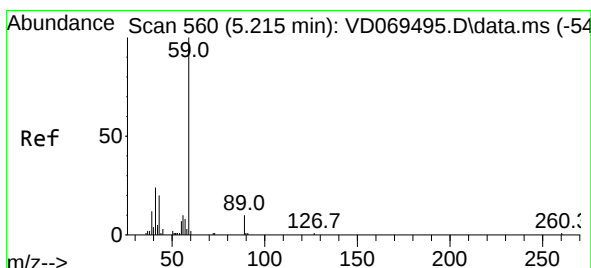
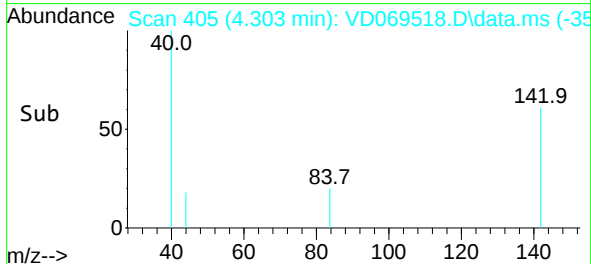
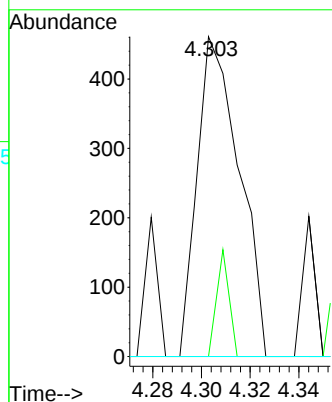


#10
Methyl Iodide
Concen: 4.065 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069518.D
Acq: 22 Jun 2021 16:12

Instrument :
MSVOA_D
ClientSampled :

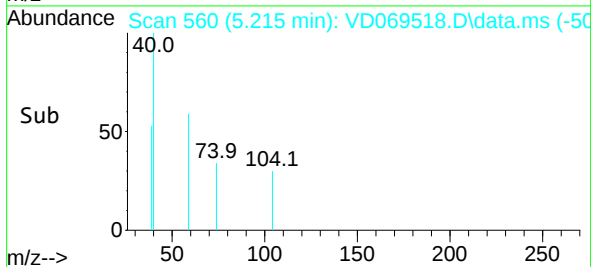
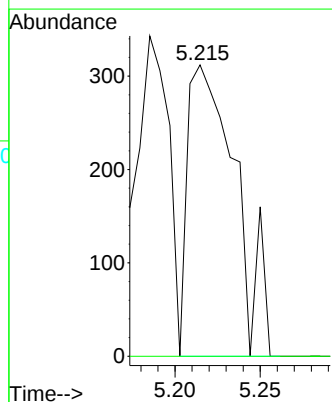
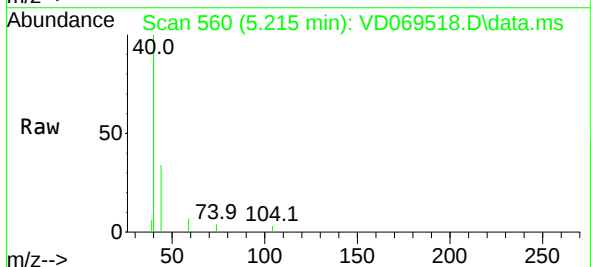


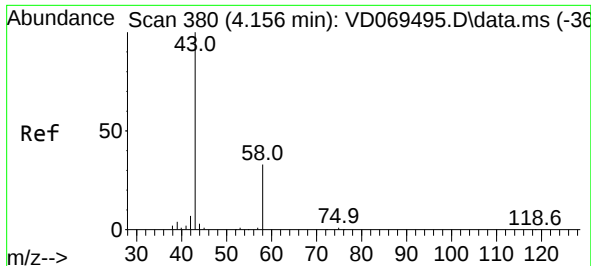
Tgt Ion:142 Resp: 554
Ion Ratio Lower Upper
142 100
127 9.7 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 560
Delta R.T. -0.000 min
Lab File: VD069518.D
Acq: 22 Jun 2021 16:12

Tgt Ion: 59 Resp: 609
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

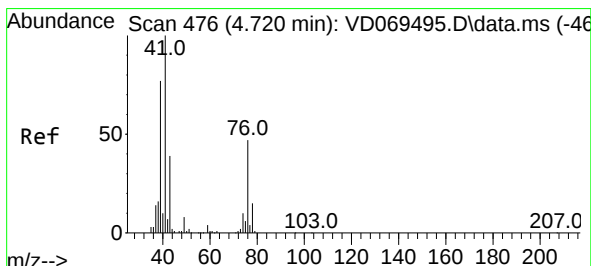
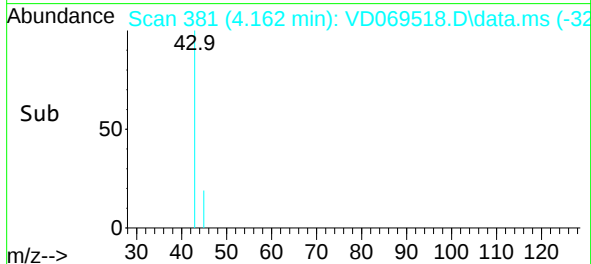
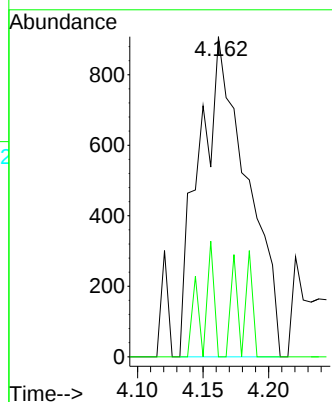
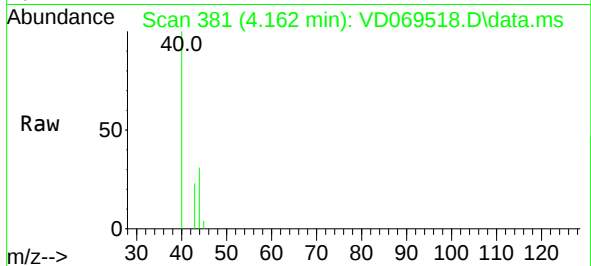




#16
Acetone
Concen: 2.824 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069518.D
Acq: 22 Jun 2021 16:12

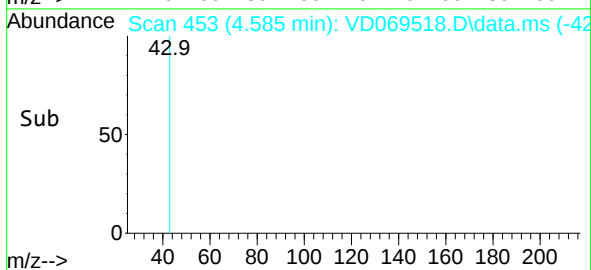
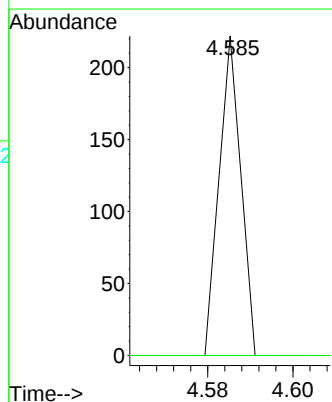
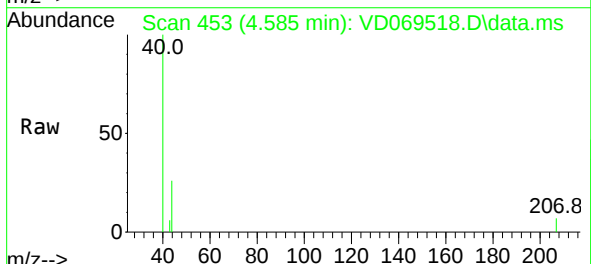
Instrument :
MSVOA_D
ClientSampleId :

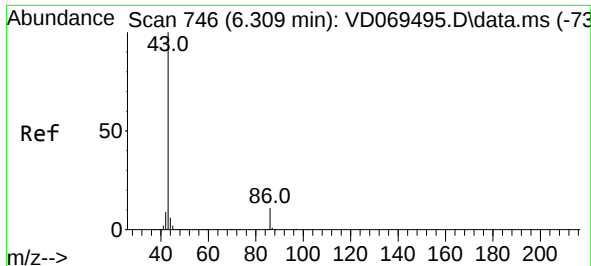
Tgt Ion: 43 Resp: 2314
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.585 min Scan# 453
Delta R.T. -0.135 min
Lab File: VD069518.D
Acq: 22 Jun 2021 16:12

Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

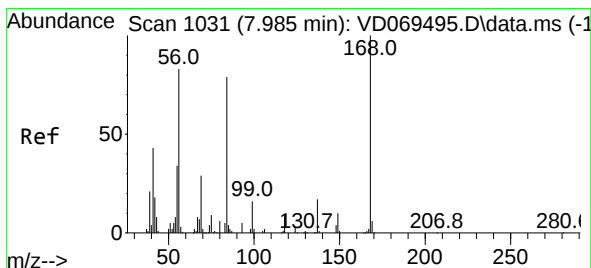
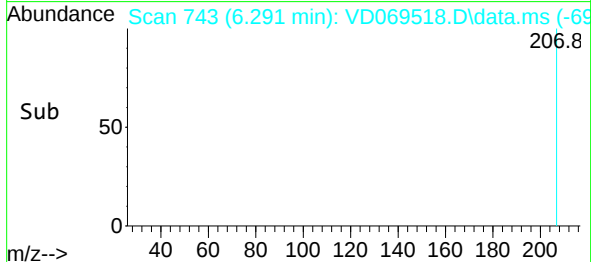
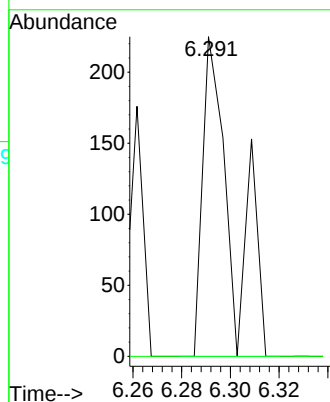
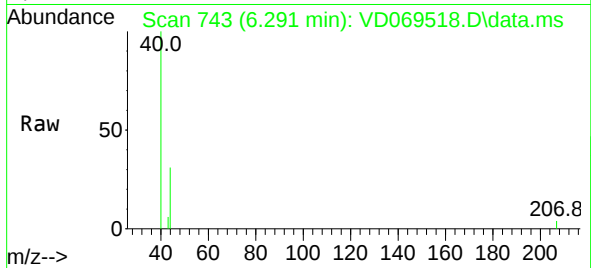




#23
 Vinyl Acetate
 Concen: 19.036 ug/l
 RT: 6.291 min Scan# 743
 Delta R.T. -0.018 min
 Lab File: VD069518.D
 Acq: 22 Jun 2021 16:12

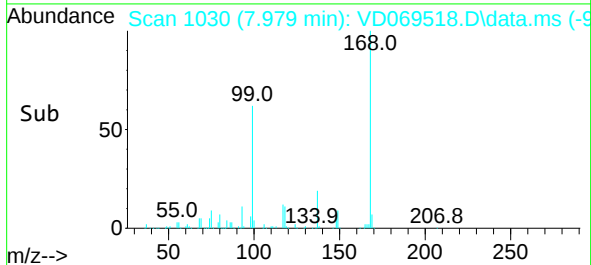
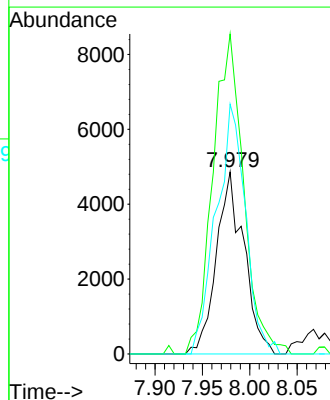
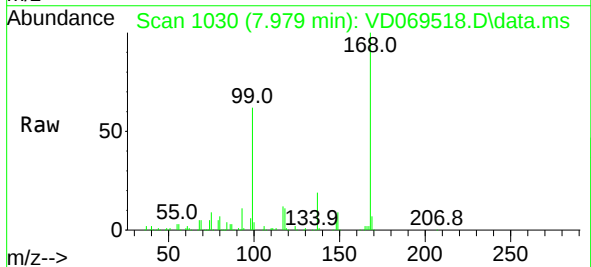
Instrument :
 MSVOA_D
 ClientSampled :

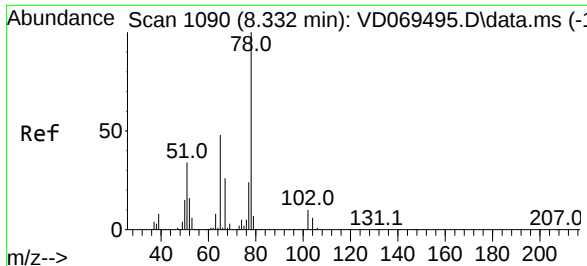
Tgt Ion: 43 Resp: 188
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#31
 Cyclohexane
 Concen: 1.507 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069518.D
 Acq: 22 Jun 2021 16:12

Tgt Ion: 56 Resp: 9875
 Ion Ratio Lower Upper
 56 100
 69 175.8 28.0 42.0#
 84 137.2 75.7 113.5#

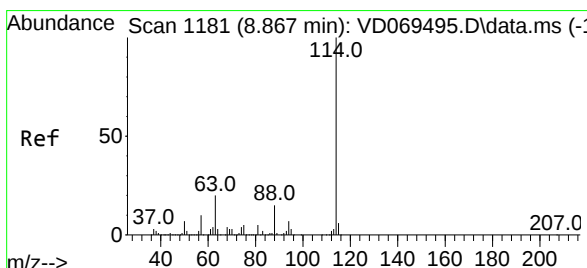
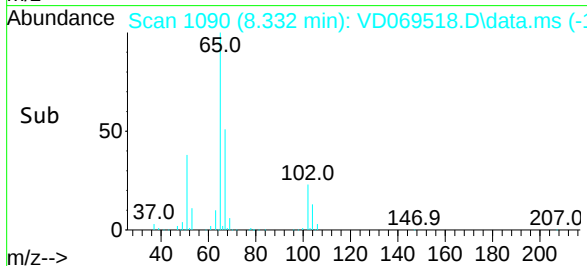
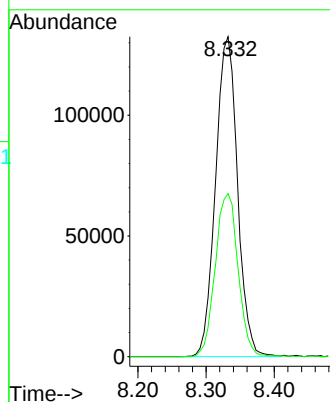
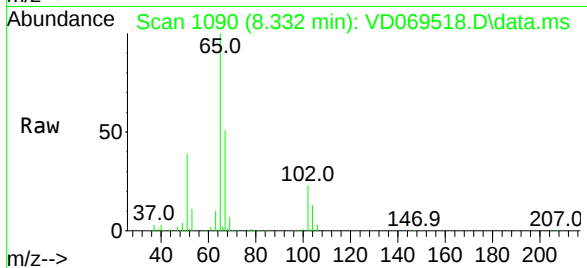




#33
1,2-Dichloroethane-d4
Concen: 61.146 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069518.D
Acq: 22 Jun 2021 16:12

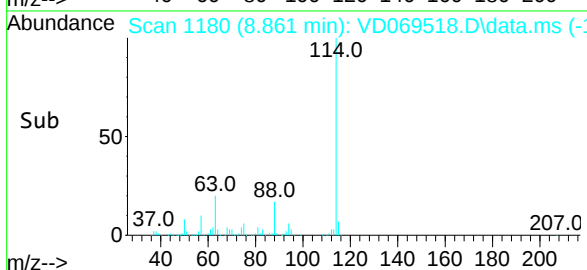
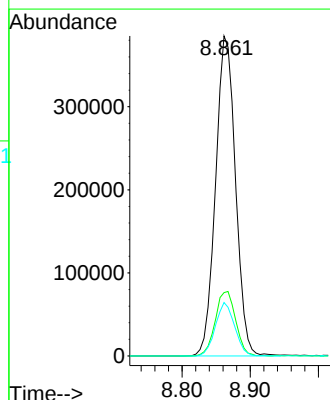
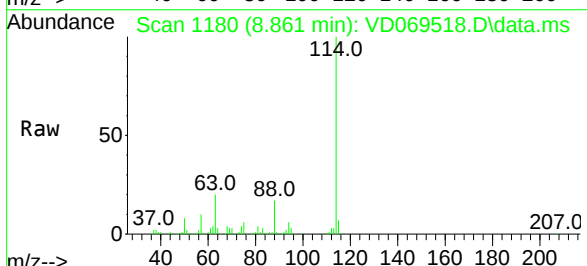
Instrument :
MSVOA_D
ClientSampleId :

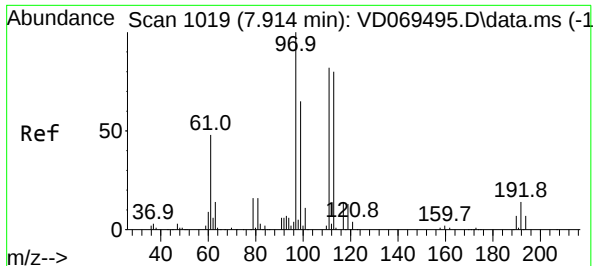
Tgt Ion: 65 Resp: 297647
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069518.D
Acq: 22 Jun 2021 16:12

Tgt Ion: 114 Resp: 784179
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.6
88 16.7 0.0 29.8





#35

Dibromofluoromethane

Concen: 53.811 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069518.D

Acq: 22 Jun 2021 16:12

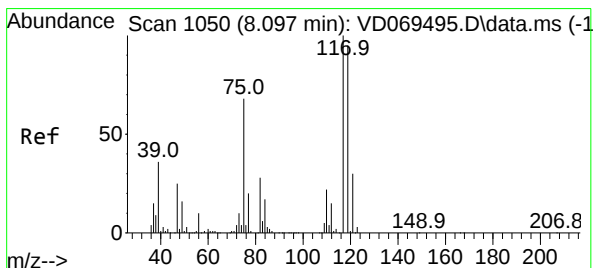
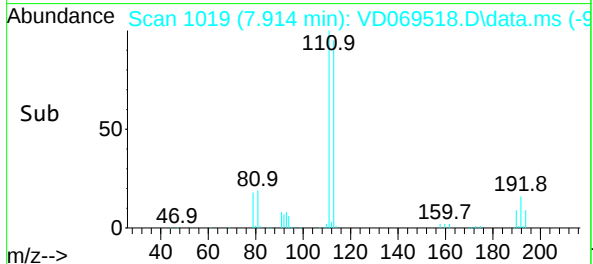
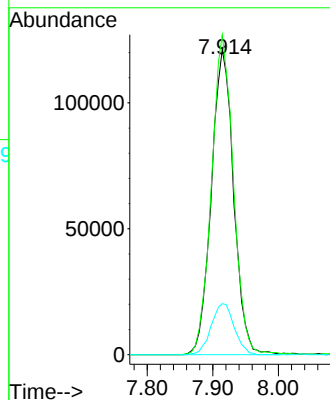
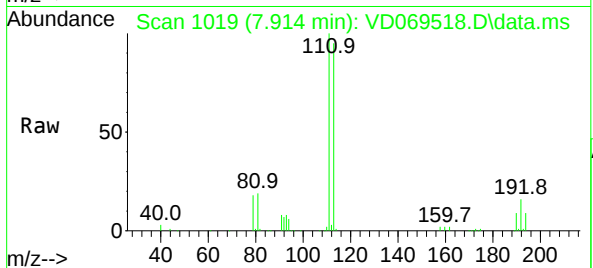
Tgt Ion:113 Resp: 285245

Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.8

192 17.3 13.8 20.6



#38

Carbon Tetrachloride

Concen: 5.736 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD069518.D

Acq: 22 Jun 2021 16:12

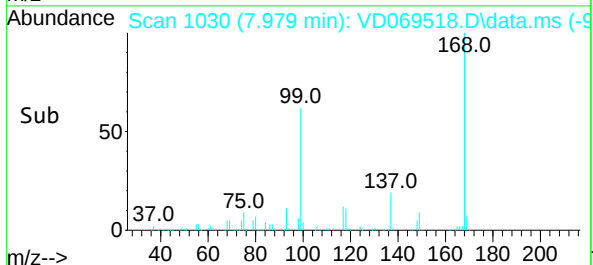
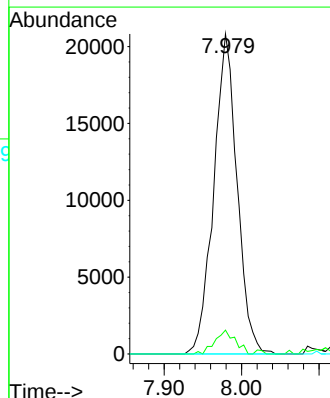
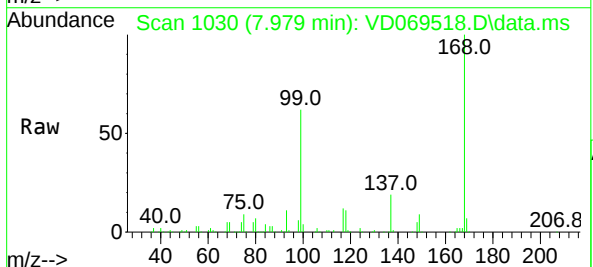
Tgt Ion:117 Resp: 43689

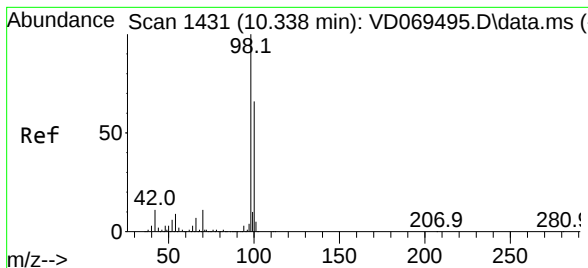
Ion Ratio Lower Upper

117 100

119 7.4 75.6 113.4#

121 0.0 23.8 35.8#

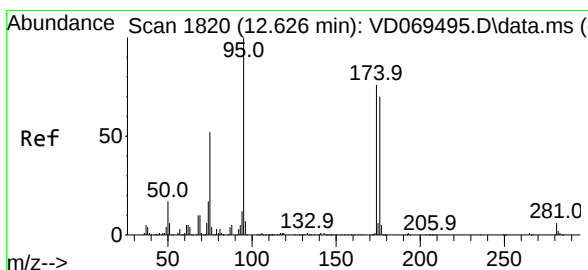
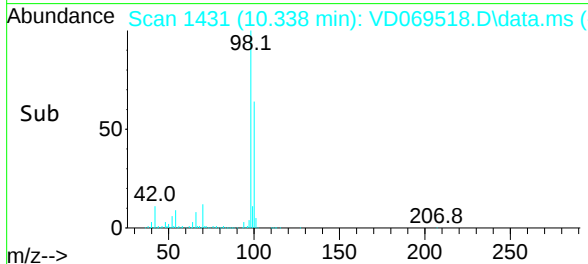
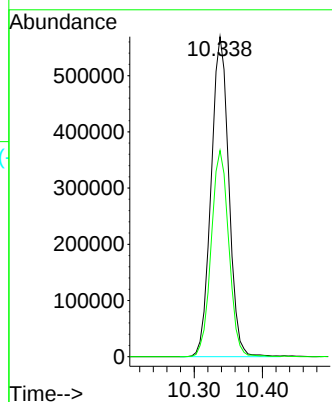
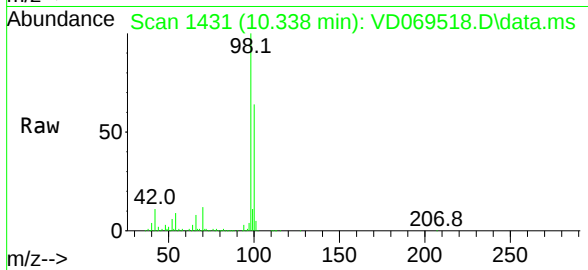




#50
Toluene-d8
Concen: 51.759 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069518.D
Acq: 22 Jun 2021 16:12

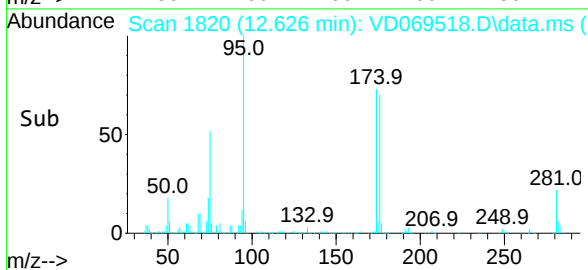
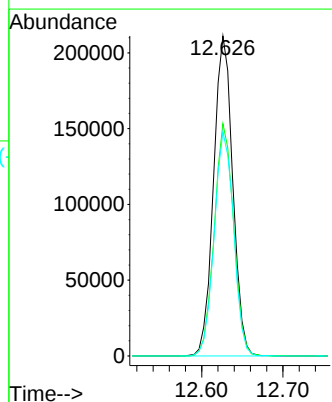
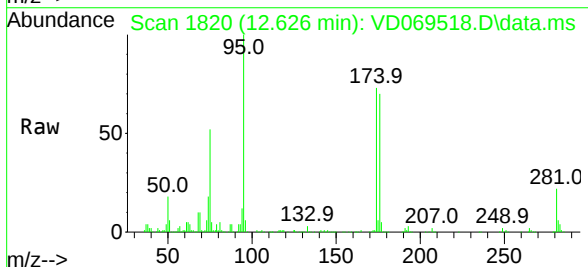
Instrument :
MSVOA_D
ClientSampleId :

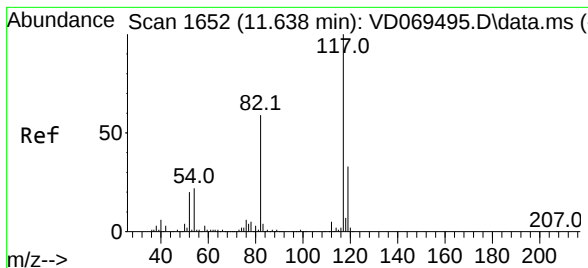
Tgt Ion: 98 Resp: 1029147
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 52.943 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069518.D
Acq: 22 Jun 2021 16:12

Tgt Ion: 95 Resp: 346074
Ion Ratio Lower Upper
95 100
174 73.5 0.0 148.0
176 70.9 0.0 139.8

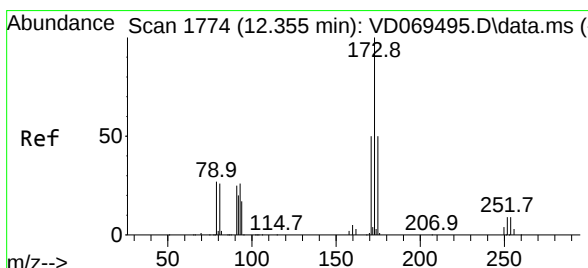
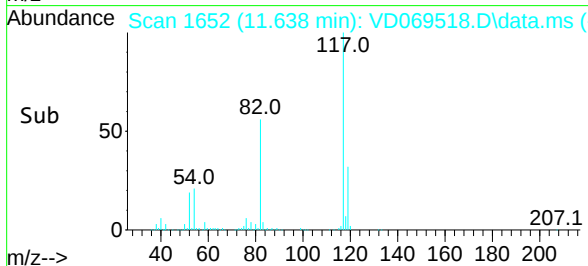
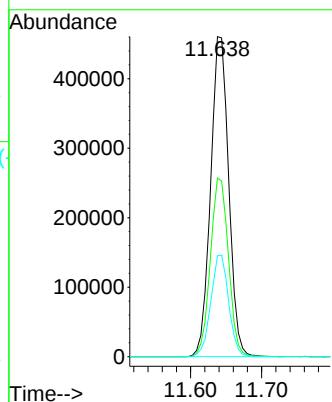
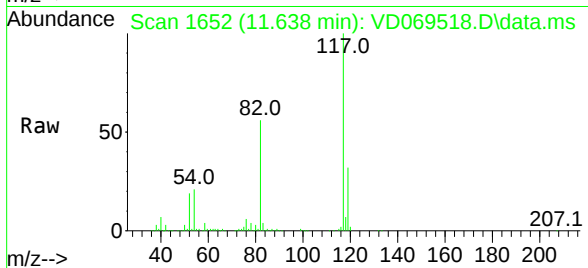




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069518.D
Acq: 22 Jun 2021 16:12

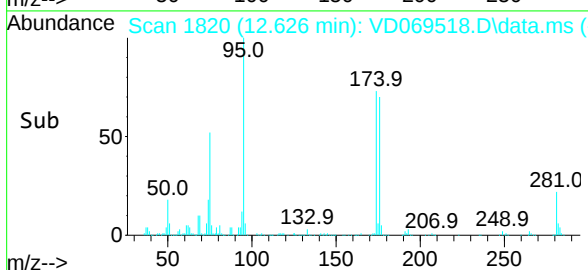
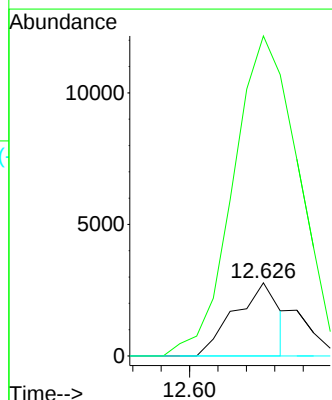
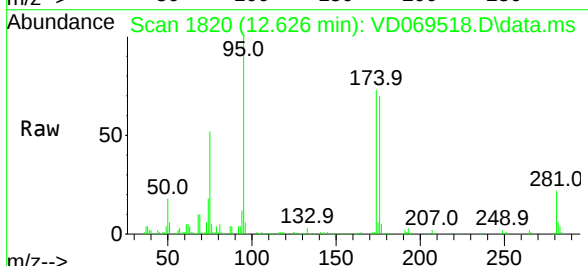
Instrument :
MSVOA_D
ClientSampleId :

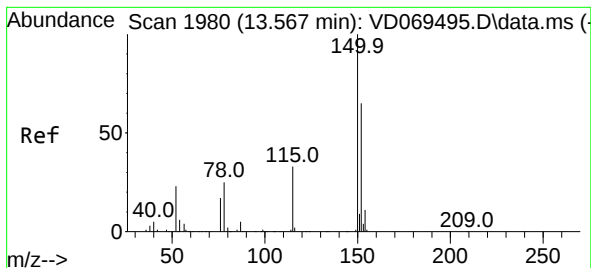
Tgt Ion:117 Resp: 813468
Ion Ratio Lower Upper
117 100
82 55.9 46.8 70.2
119 31.6 26.2 39.2



#71
Bromoform
Concen: 1.022 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069518.D
Acq: 22 Jun 2021 16:12

Tgt Ion:173 Resp: 3045
Ion Ratio Lower Upper
173 100
175 490.8 24.6 73.8#
254 0.0 0.1 0.1#

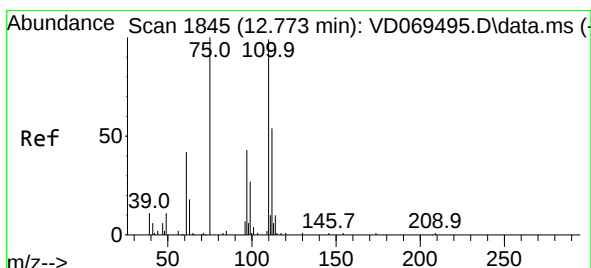
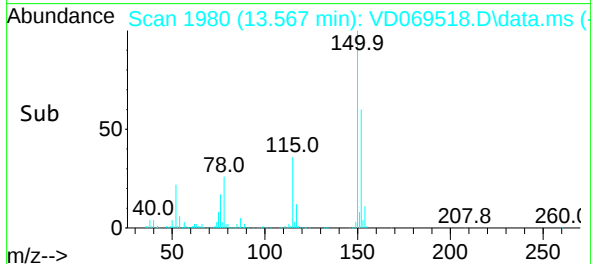
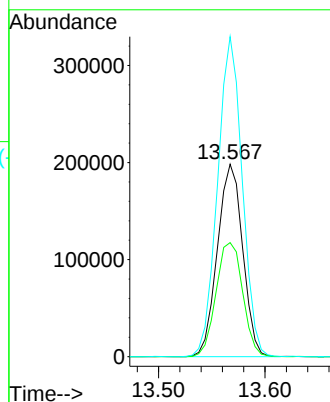
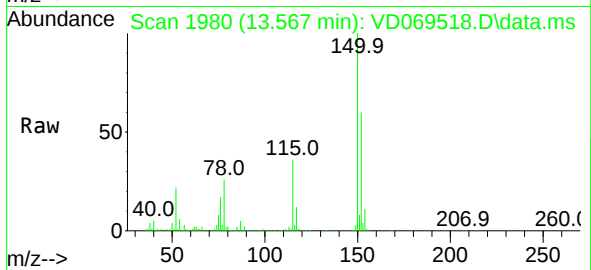




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069518.D
Acq: 22 Jun 2021 16:12

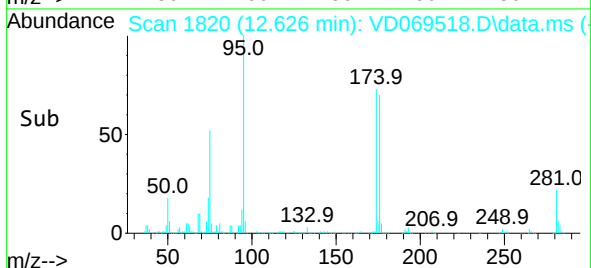
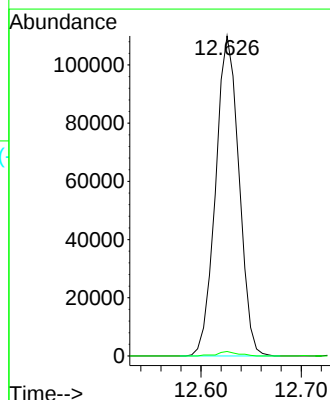
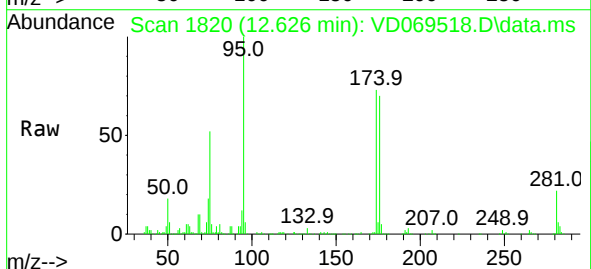
Instrument :
MSVOA_D
ClientSampled :

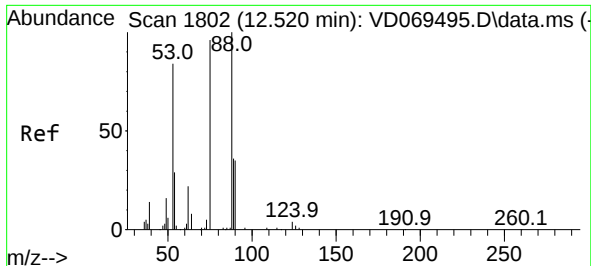
Tgt Ion:152 Resp: 326723
Ion Ratio Lower Upper
152 100
115 62.4 31.7 95.1
150 162.3 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 55.485 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069518.D
Acq: 22 Jun 2021 16:12

Tgt Ion: 75 Resp: 177951
Ion Ratio Lower Upper
75 100
77 1.3 162.6 487.8#

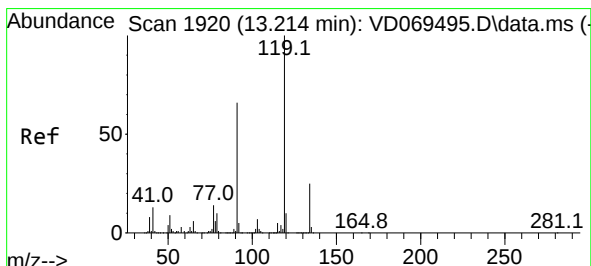
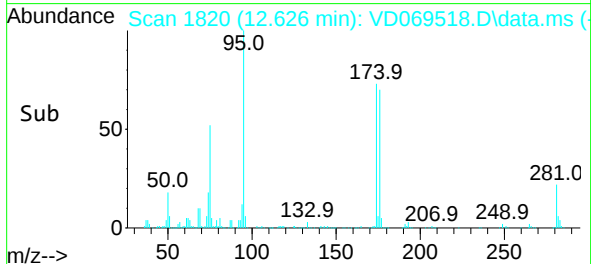
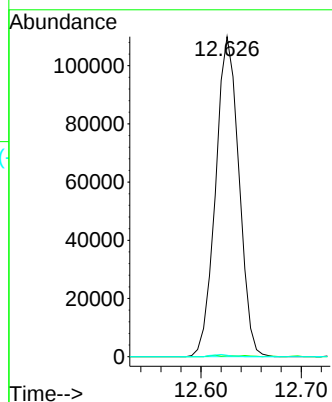
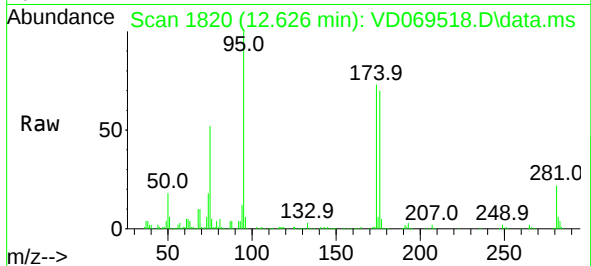




#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.538 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069518.D
 Acq: 22 Jun 2021 16:12

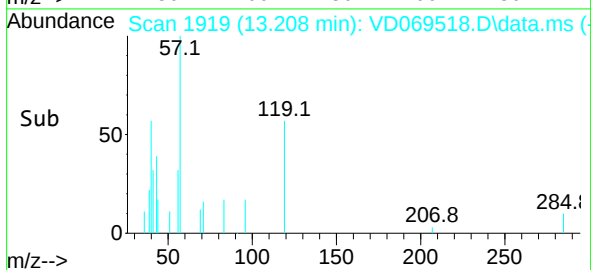
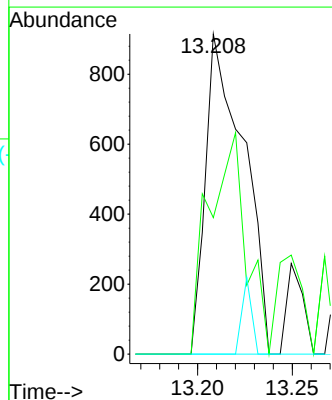
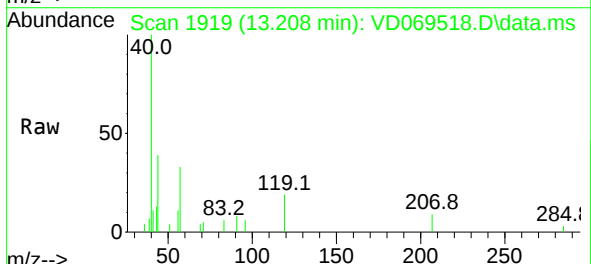
Instrument :
 MSVOA_D
 ClientSampleId :

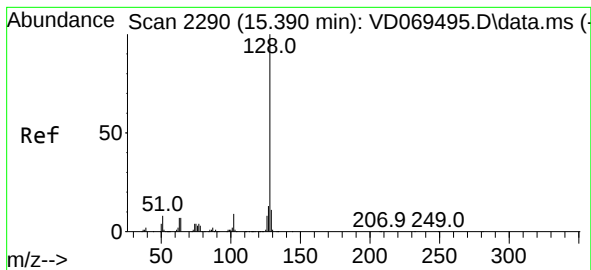
Tgt Ion: 75 Resp: 177951
 Ion Ratio Lower Upper
 75 100
 53 0.4 74.6 112.0#
 89 0.5 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 2.065 ug/l
 RT: 13.208 min Scan# 1919
 Delta R.T. -0.006 min
 Lab File: VD069518.D
 Acq: 22 Jun 2021 16:12

Tgt Ion: 119 Resp: 1278
 Ion Ratio Lower Upper
 119 100
 91 67.9 32.5 97.4
 134 6.0 12.9 38.7#





#95
Naphthalene
Concen: 3.375 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.001 min
Lab File: VD069518.D
Acq: 22 Jun 2021 16:12

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 227
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

