

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
 Data File : VD069614.D
 Acq On : 07 Jul 2021 17:58
 Operator : VA/SY
 Sample : M2938-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 08 01:08:35 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)

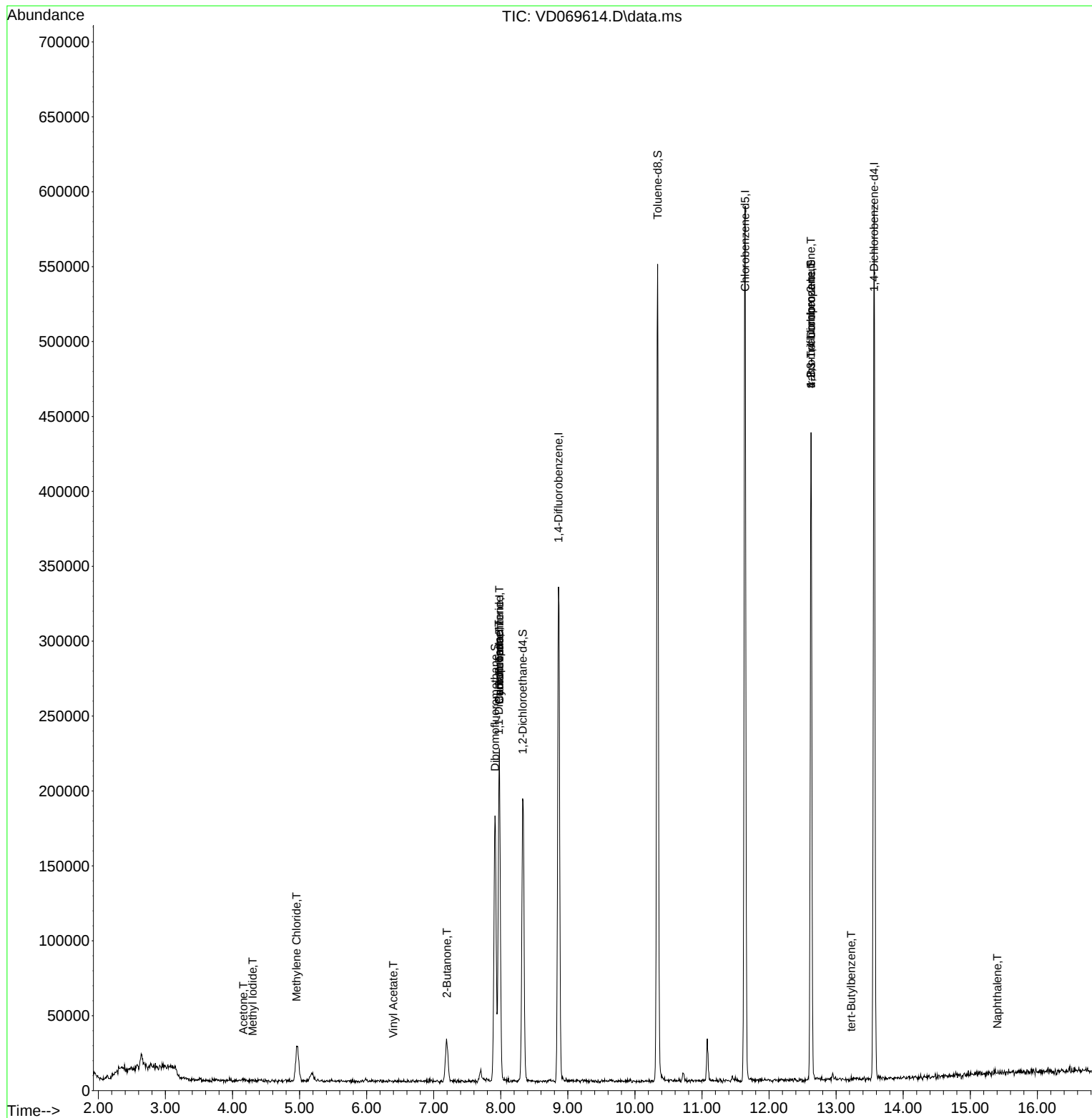
Internal Standards						
1) Pentafluorobenzene	7.979	168	148314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	284637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	344684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	154314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	159136	86.080	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 172.160%#	
35) Dibromofluoromethane	7.914	113	129704	67.411	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.820%	
50) Toluene-d8	10.337	98	376290	52.138	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.280%	
62) 4-Bromofluorobenzene	12.626	95	143911	60.654	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 121.300%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1137	Below Cal	#	60
10) Methyl Iodide	4.302	142	67	3.980	ug/l #	39
11) Tert butyl alcohol	5.173	59	3564	Below Cal	#	83
16) Acetone	4.161	43	2526	8.118	ug/l	94
18) Methyl Acetate	4.826	43	127	Below Cal	#	49
20) Methylene Chloride	4.955	84	18686	3.501	ug/l	91
23) Vinyl Acetate	6.396	43	56	19.030	ug/l #	70
25) 2-Butanone	7.196	43	1178	2.979	ug/l #	44
31) Cyclohexane	7.979	56	4077	1.638	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	14778	5.290	ug/l #	49
38) Carbon Tetrachloride	7.979	117	16440	5.946	ug/l #	20
76) 1,2,3-Trichloropropane	12.626	75	75621	49.922	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	75621	124.648	ug/l #	13
83) tert-Butylbenzene	13.226	119	68	2.000	ug/l #	27
95) Naphthalene	15.402	128	285	3.410	ug/l #	69

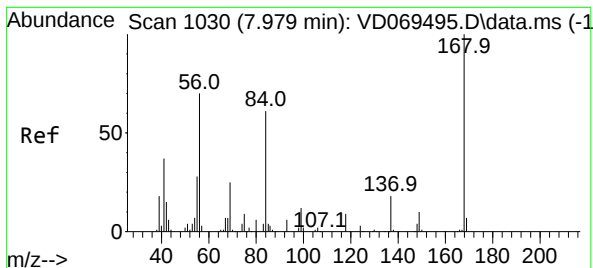
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD069614.D

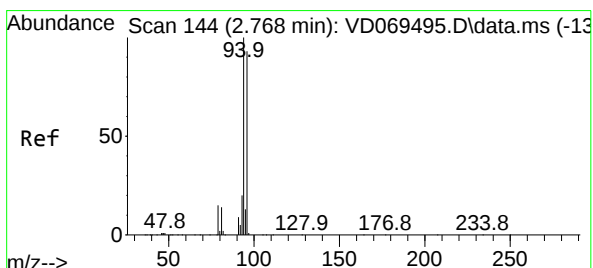
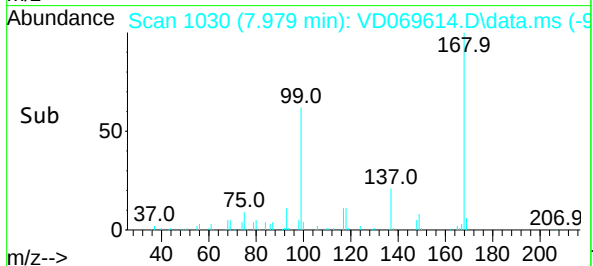
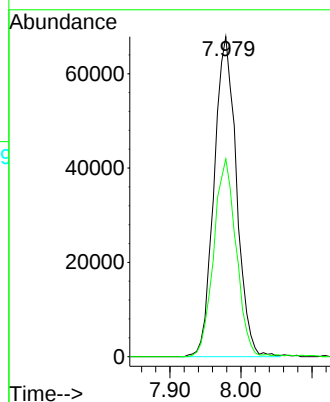
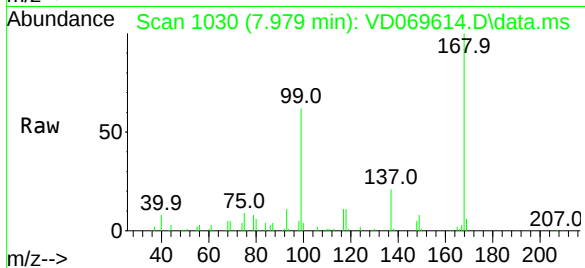
Acq: 07 Jul 2021 17:58

Tgt Ion:168 Resp: 148314

Ion Ratio Lower Upper

168 100

99 61.8 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.011 min

Lab File: VD069614.D

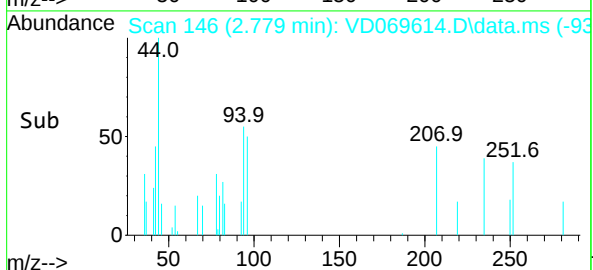
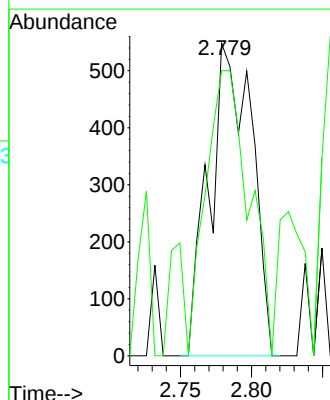
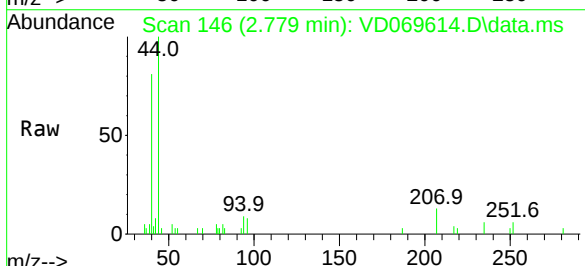
Acq: 07 Jul 2021 17:58

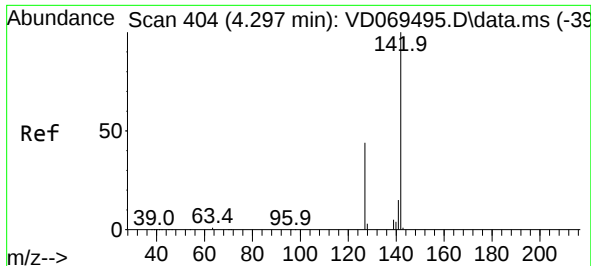
Tgt Ion: 94 Resp: 1137

Ion Ratio Lower Upper

94 100

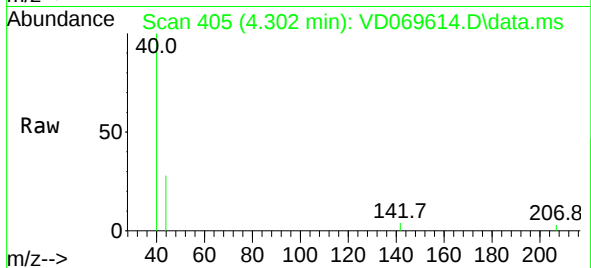
96 55.1 74.6 111.8#



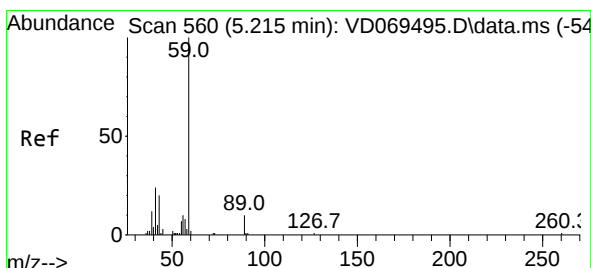
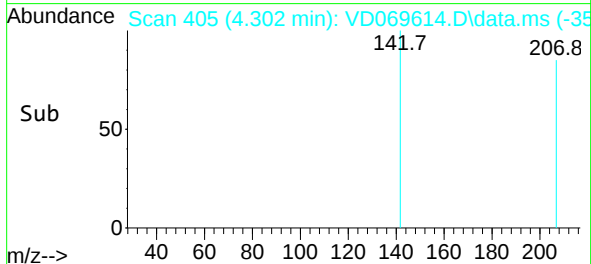
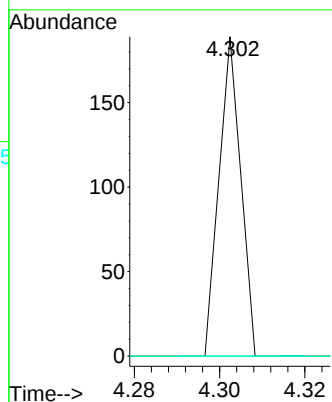


#10
Methyl Iodide
Concen: 3.980 ug/l
RT: 4.302 min Scan# 405
Delta R.T. 0.005 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

Instrument :
MSVOA_D
ClientSampleId :

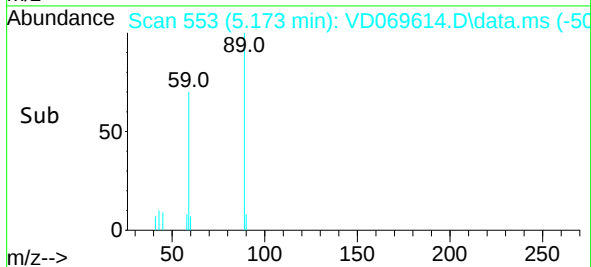
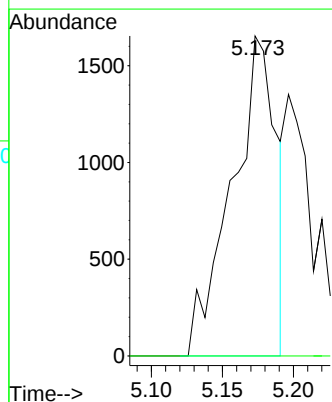
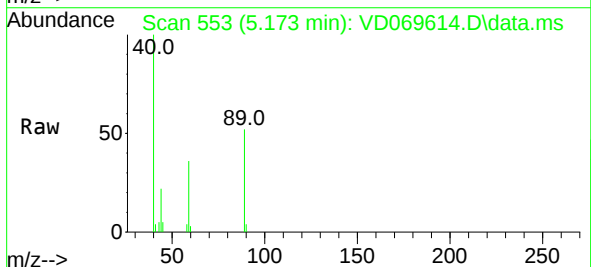


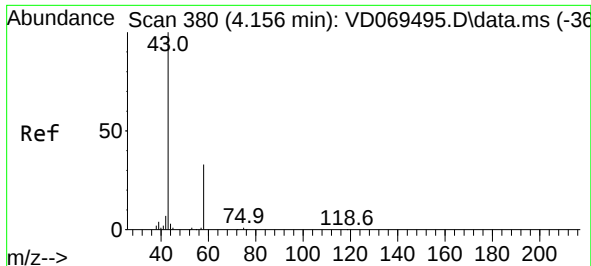
Tgt Ion:142 Resp: 67
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 553
Delta R.T. -0.042 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

Tgt Ion: 59 Resp: 3564
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#





#16

Acetone

Concen: 8.118 ug/l

RT: 4.161 min Scan# 381

Delta R.T. 0.005 min

Lab File: VD069614.D

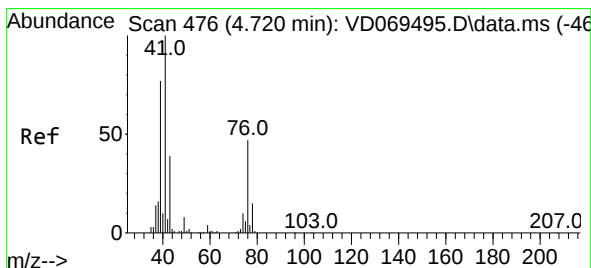
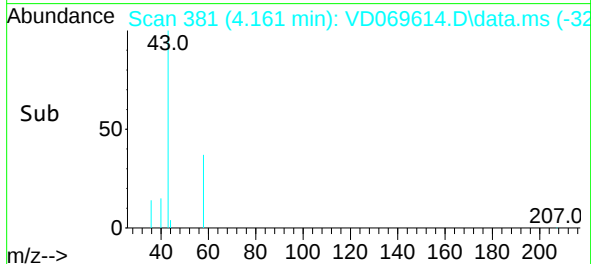
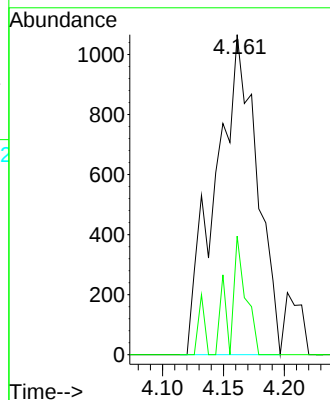
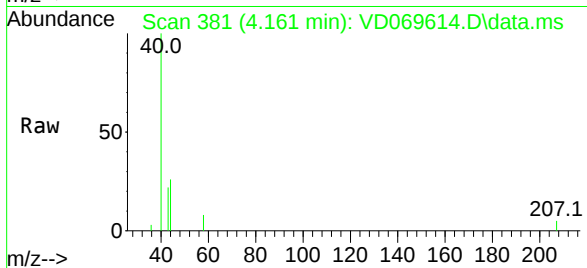
Acq: 07 Jul 2021 17:58

Tgt Ion: 43 Resp: 2526

Ion Ratio Lower Upper

43 100

58 37.1 26.8 40.2



#18

Methyl Acetate

Concen: Below Cal

RT: 4.826 min Scan# 494

Delta R.T. 0.106 min

Lab File: VD069614.D

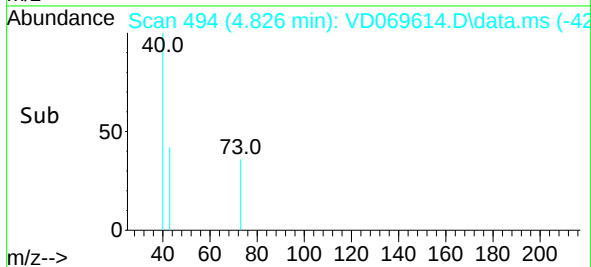
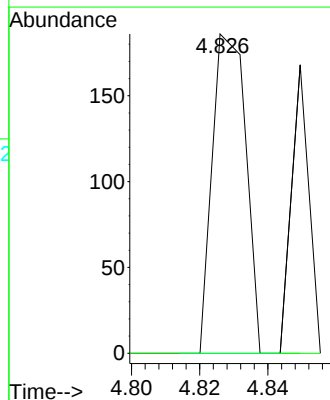
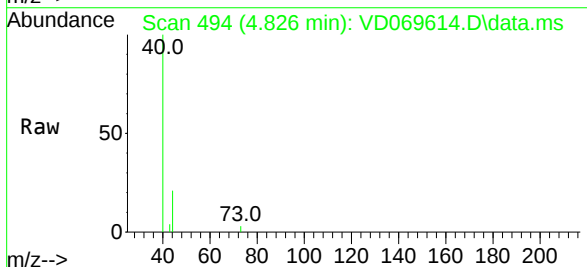
Acq: 07 Jul 2021 17:58

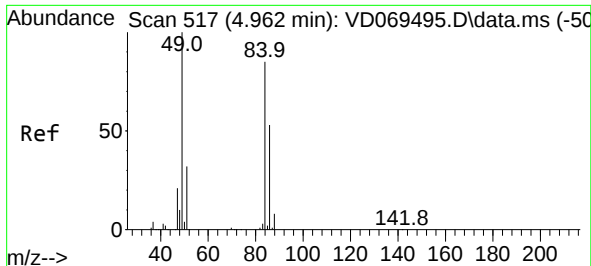
Tgt Ion: 43 Resp: 127

Ion Ratio Lower Upper

43 100

74 0.0 21.0 31.4#

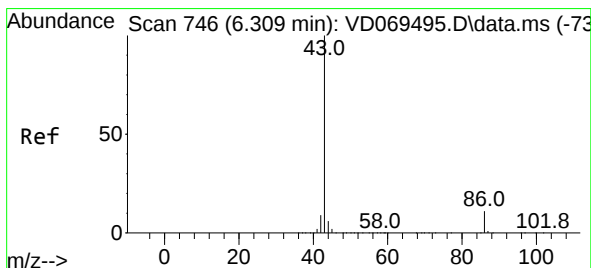
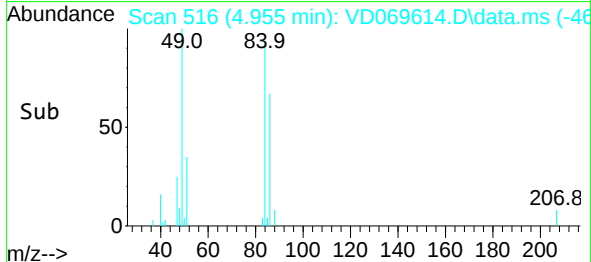
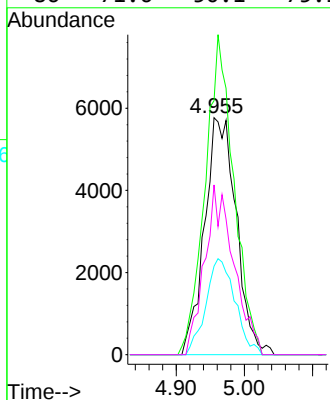
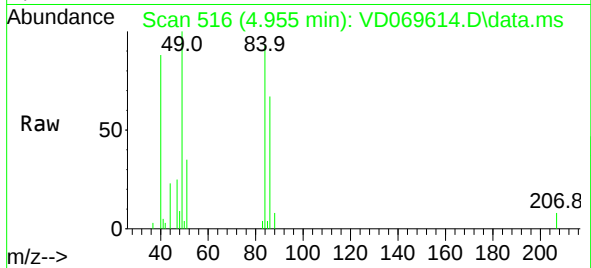




#20
Methylene Chloride
Concen: 3.501 ug/l
RT: 4.955 min Scan# 516
Delta R.T. -0.007 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

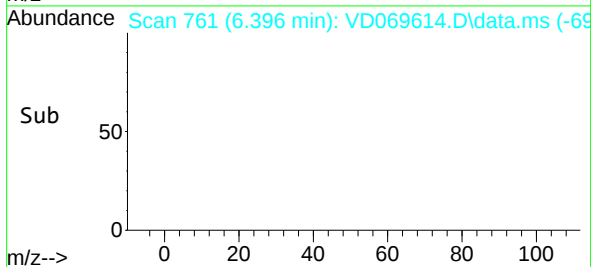
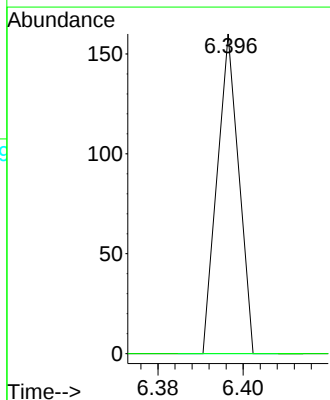
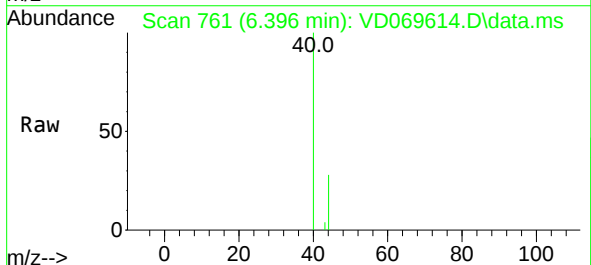
Instrument :
MSVOA_D
ClientSampleId :

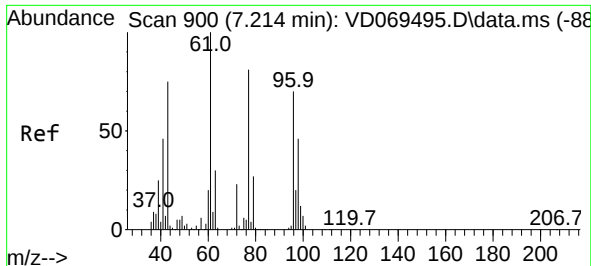
Tgt Ion:	84	Resp:	18686
Ion	Ratio	Lower	Upper
84	100		
49	107.2	94.0	141.0
51	37.3	29.7	44.5
86	71.6	50.1	75.1



#23
Vinyl Acetate
Concen: 19.030 ug/l
RT: 6.396 min Scan# 761
Delta R.T. 0.087 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

Tgt Ion:	43	Resp:	56
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

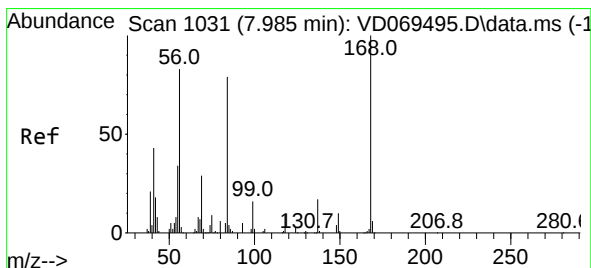
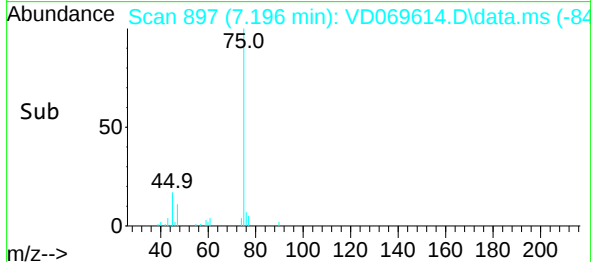
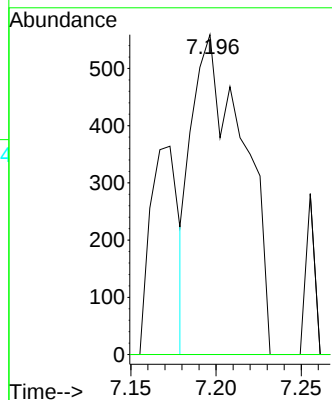
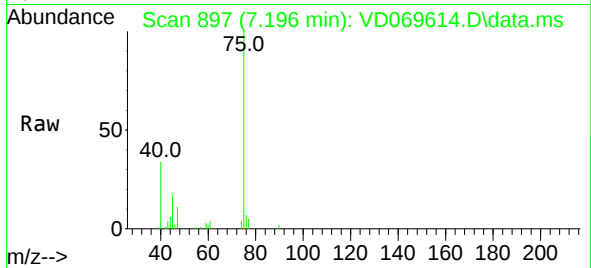




#25
2-Butanone
Concen: 2.979 ug/l
RT: 7.196 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

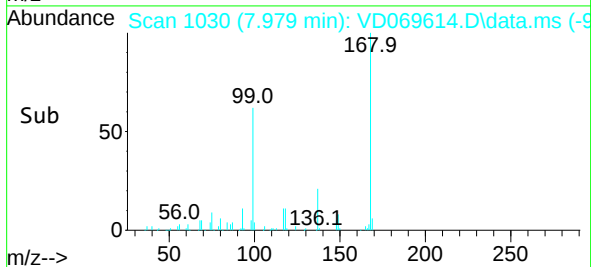
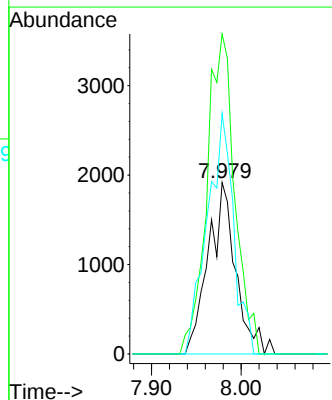
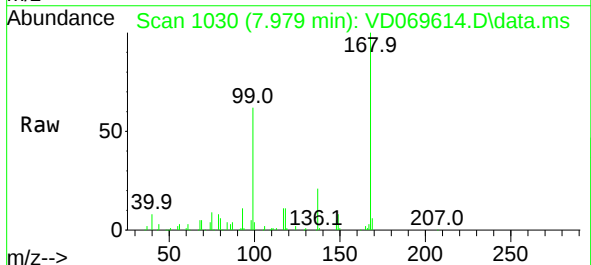
Instrument :
MSVOA_D
ClientSampled :

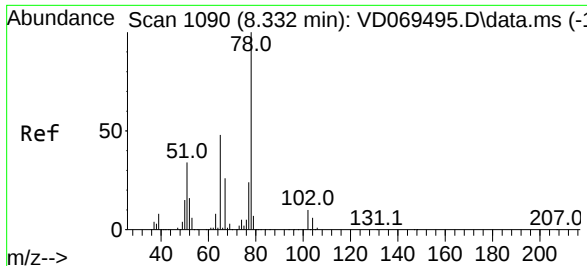
Tgt Ion: 43 Resp: 1178
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#31
Cyclohexane
Concen: 1.638 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

Tgt Ion: 56 Resp: 4077
Ion Ratio Lower Upper
56 100
69 186.7 28.0 42.0#
84 140.3 75.7 113.5#

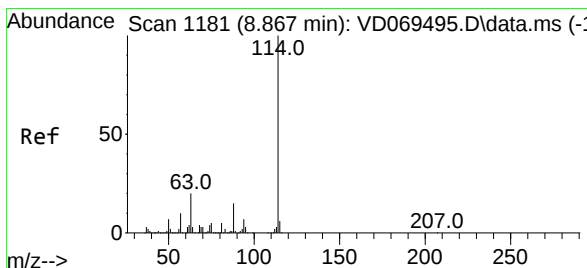
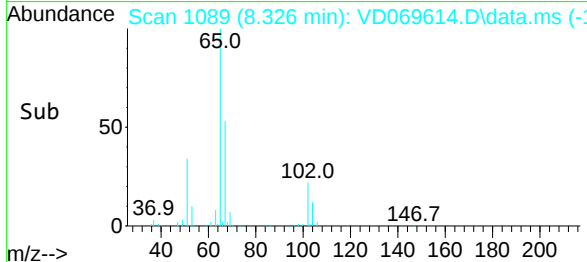
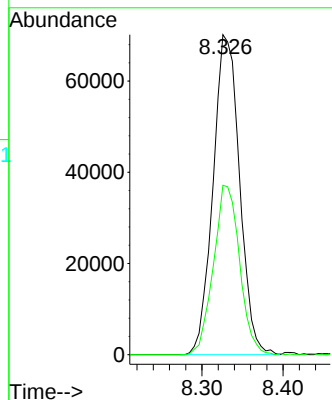
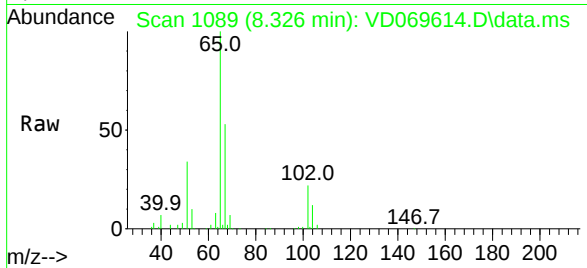




#33
1,2-Dichloroethane-d4
Concen: 86.080 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

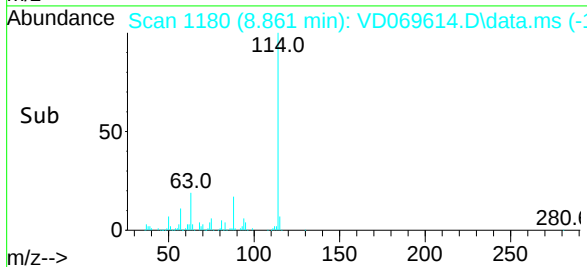
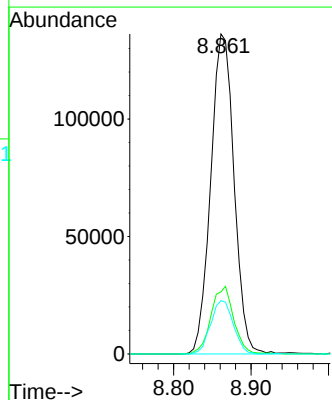
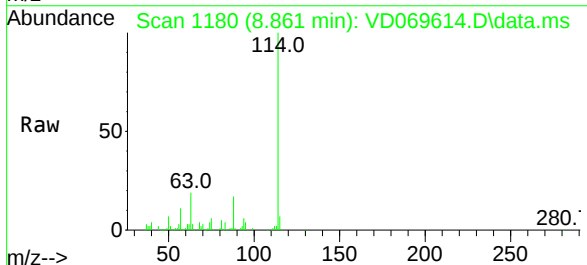
Instrument :
MSVOA_D
ClientSampleId :

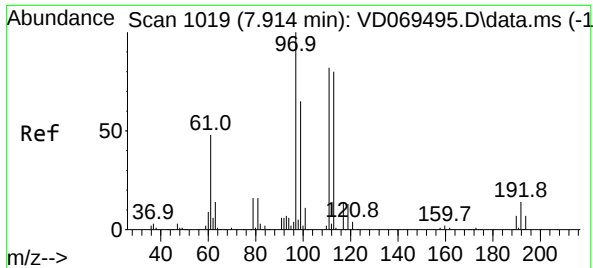
Tgt Ion: 65 Resp: 159136
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

Tgt Ion: 114 Resp: 284637
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.6
88 16.7 0.0 29.8

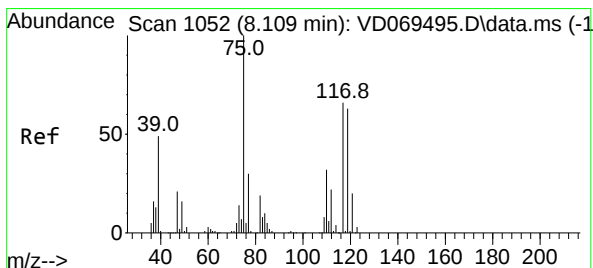
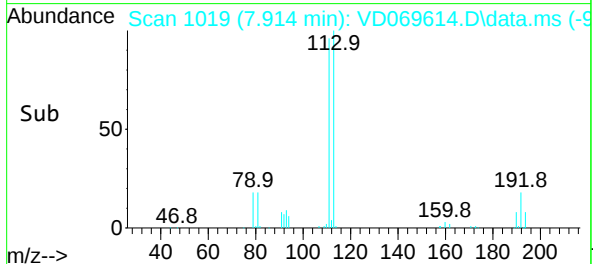
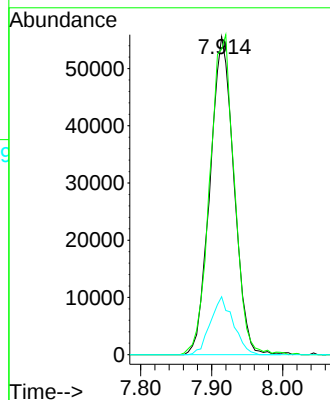
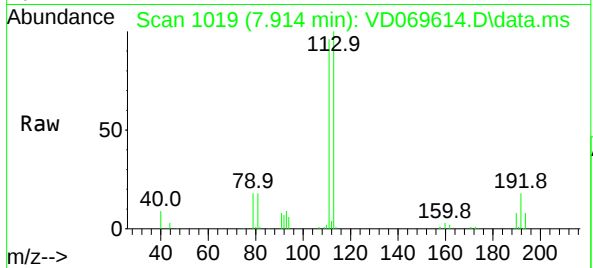




#35
Dibromofluoromethane
Concen: 67.411 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

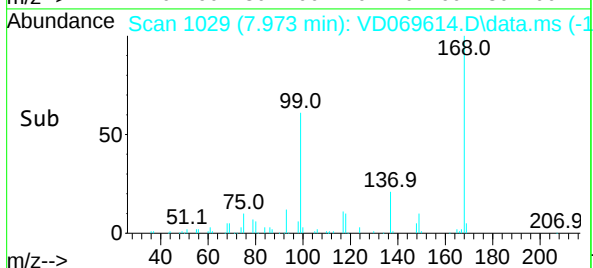
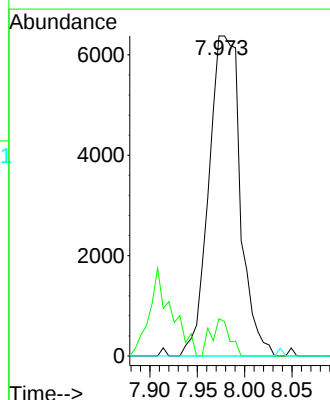
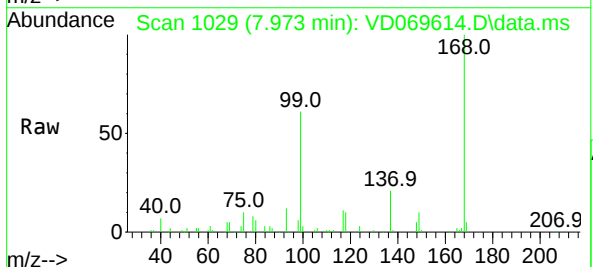
Instrument :
MSVOA_D
ClientSampleId :

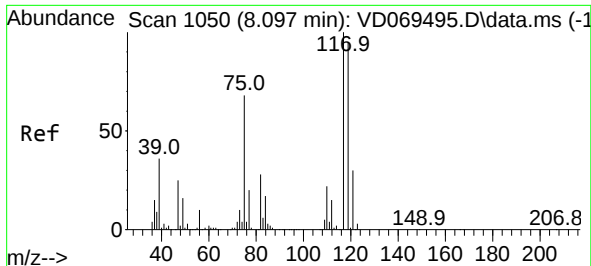
Tgt Ion:	113	Resp:	129704
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.8
192	17.4	13.8	20.6



#36
1,1-Dichloropropene
Concen: 5.290 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

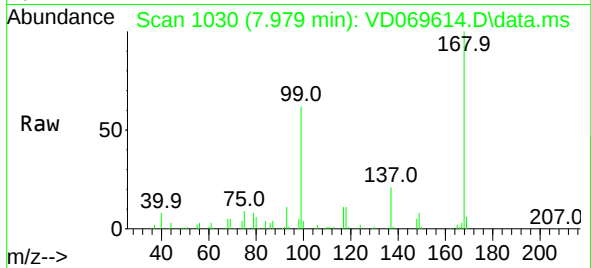
Tgt Ion:	75	Resp:	14778
Ion	Ratio	Lower	Upper
75	100		
110	6.8	16.8	50.4#
77	0.0	24.3	36.5#



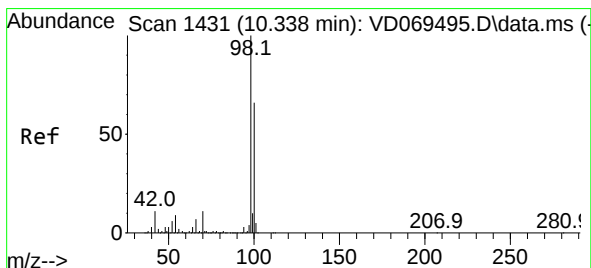
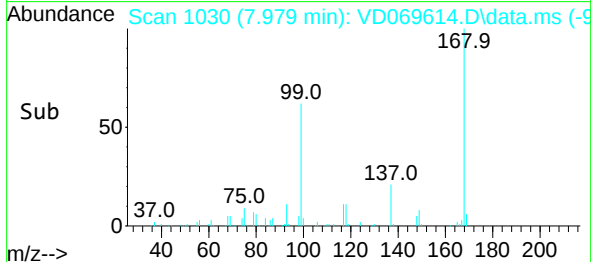
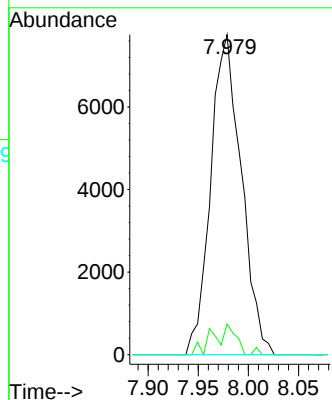


#38
Carbon Tetrachloride
Concen: 5.946 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

Instrument :
MSVOA_D
ClientSampleId :

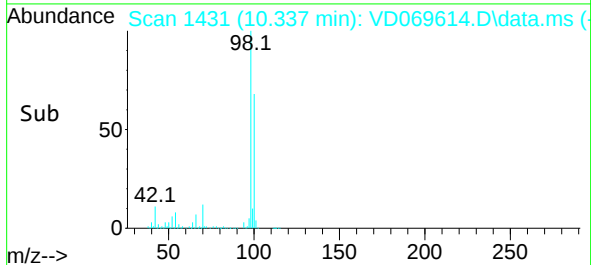
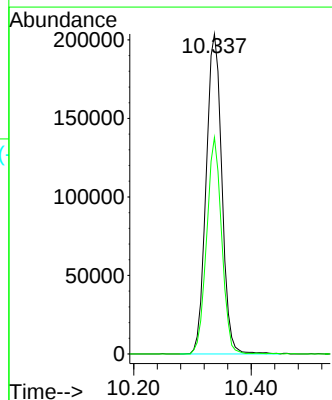
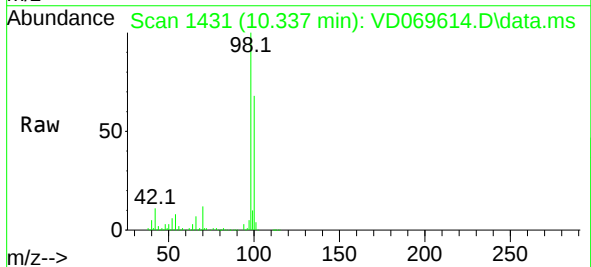


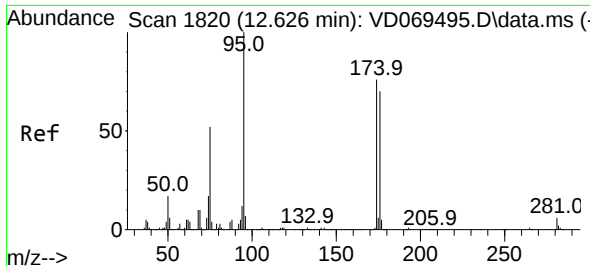
Tgt Ion:117 Resp: 16440
Ion Ratio Lower Upper
117 100
119 9.6 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 52.138 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

Tgt Ion: 98 Resp: 376290
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5

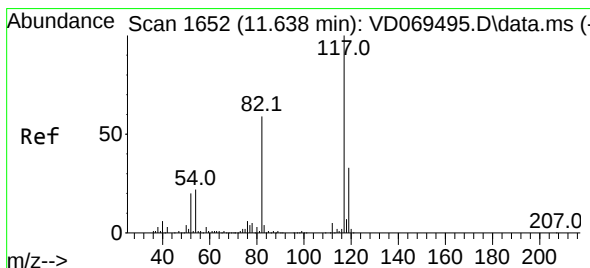
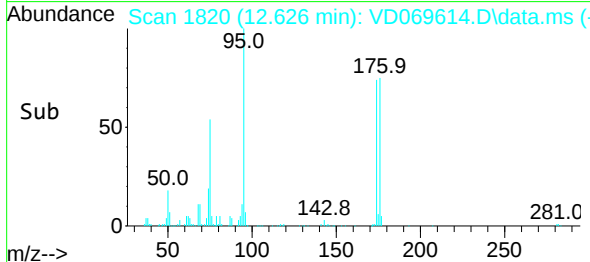
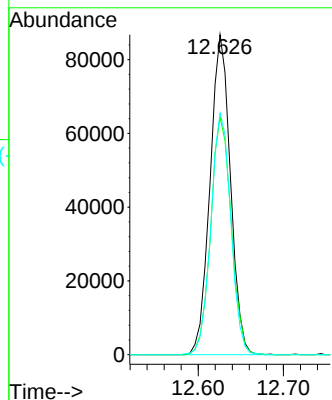
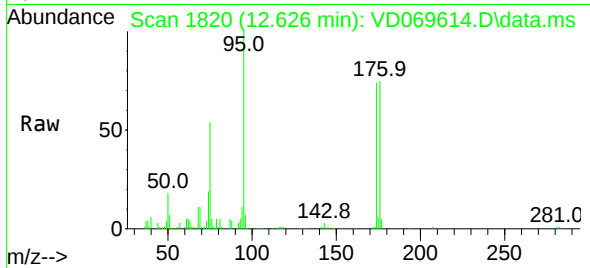




#62
4-Bromofluorobenzene
Concen: 60.654 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

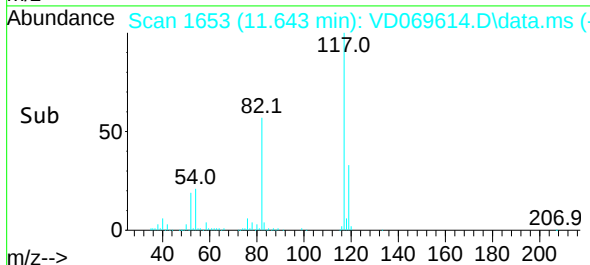
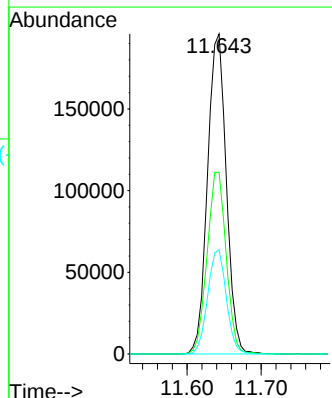
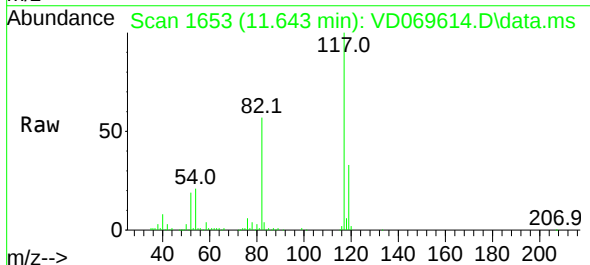
Instrument :
MSVOA_D
ClientSampleId :

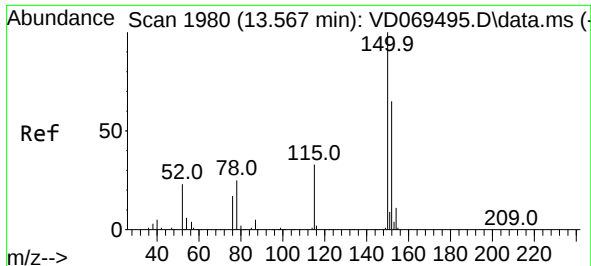
Tgt Ion: 95 Resp: 143911
Ion Ratio Lower Upper
95 100
174 74.6 0.0 148.0
176 74.1 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.005 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

Tgt Ion: 117 Resp: 344684
Ion Ratio Lower Upper
117 100
82 56.7 46.8 70.2
119 32.5 26.2 39.2

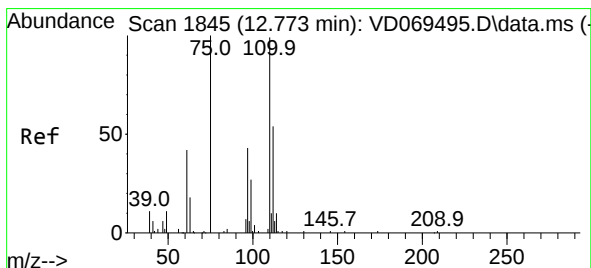
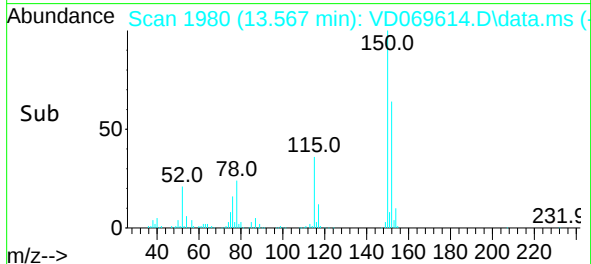
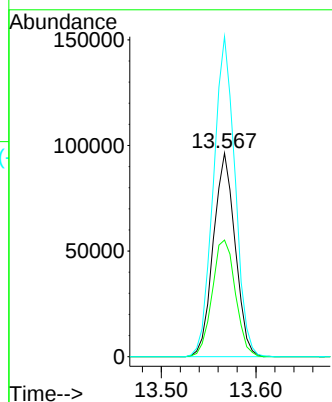
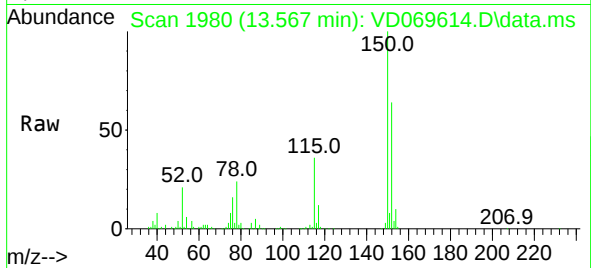




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

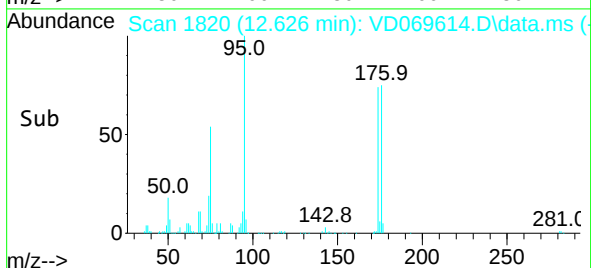
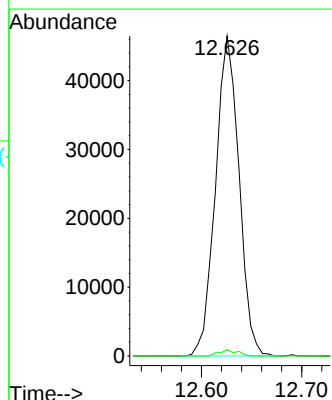
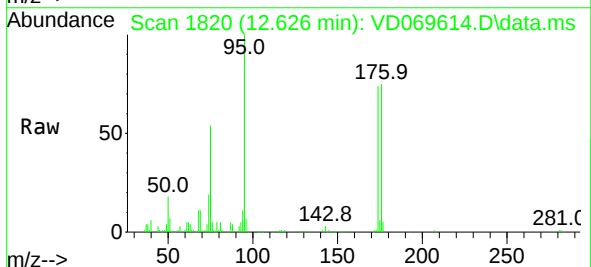
Instrument :
MSVOA_D
ClientSampleId :

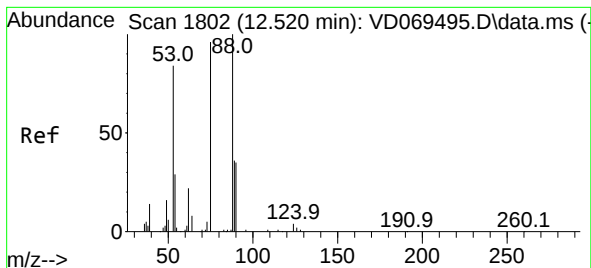
Tgt Ion:152 Resp: 154314
Ion Ratio Lower Upper
152 100
115 61.0 31.7 95.1
150 156.1 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 49.922 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

Tgt Ion: 75 Resp: 75621
Ion Ratio Lower Upper
75 100
77 1.5 162.6 487.8#

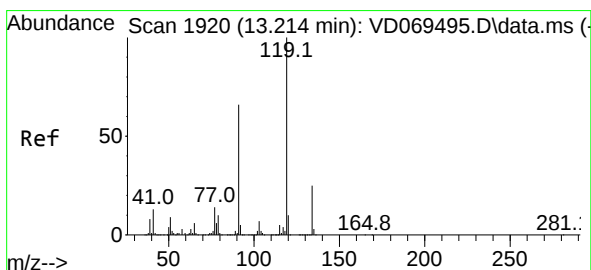
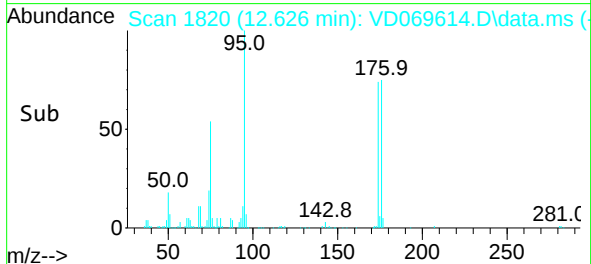
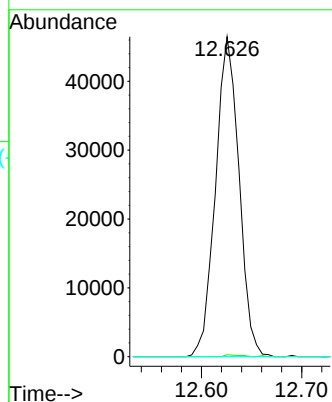
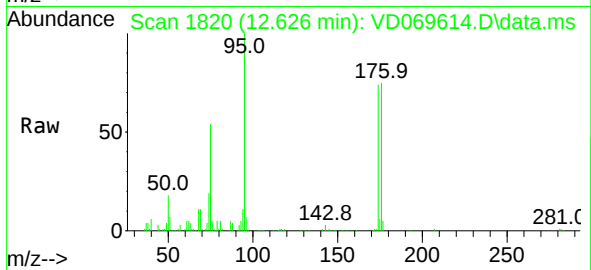




#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.648 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069614.D
 Acq: 07 Jul 2021 17:58

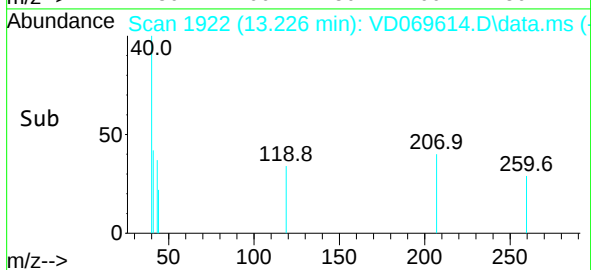
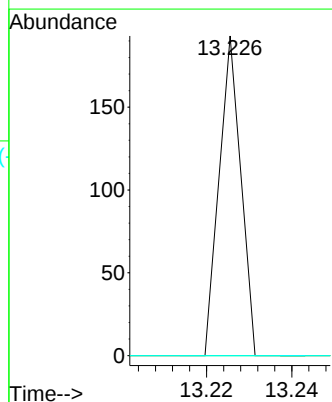
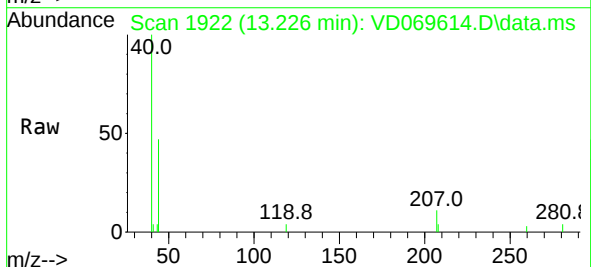
Instrument :
 MSVOA_D
 ClientSampleId :

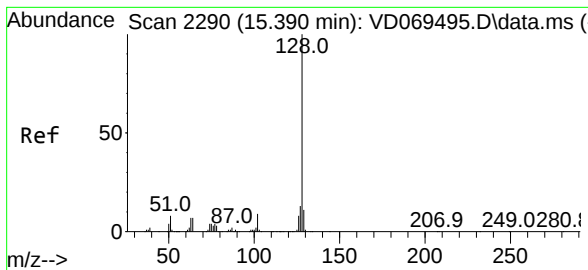
Tgt Ion: 75 Resp: 75621
 Ion Ratio Lower Upper
 75 100
 53 0.4 74.6 112.0#
 89 0.0 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 2.000 ug/l
 RT: 13.226 min Scan# 1922
 Delta R.T. 0.011 min
 Lab File: VD069614.D
 Acq: 07 Jul 2021 17:58

Tgt Ion: 119 Resp: 68
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.410 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.012 min
Lab File: VD069614.D
Acq: 07 Jul 2021 17:58

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 285
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

