

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
 Data File : VD069616.D
 Acq On : 07 Jul 2021 18:55
 Operator : VA/SY
 Sample : M2946-03RE
 Misc : 4.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 08 01:09:08 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)

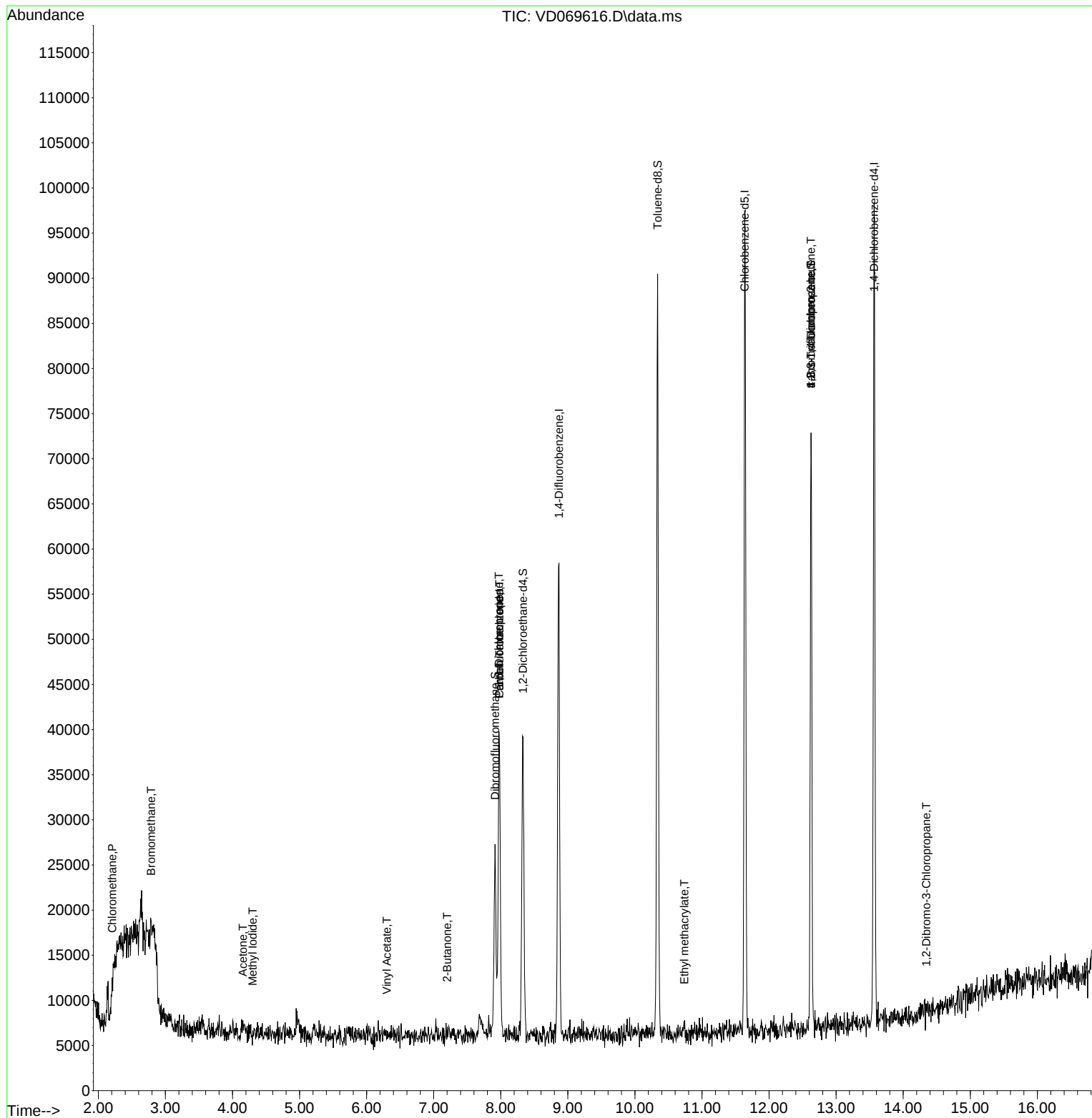
Internal Standards						
1) Pentafluorobenzene	7.979	168	23168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	43694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	50992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	22476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	27223	94.267	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 188.540%#			
35) Dibromofluoromethane	7.914	113	14642	49.573	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.140%			
50) Toluene-d8	10.338	98	55902	50.458	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.920%			
62) 4-Bromofluorobenzene	12.626	95	22780	62.544	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.080%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	611	1.880	ug/l	94
5) Bromomethane	2.785	94	1655	5.865	ug/l #	55
10) Methyl Iodide	4.303	142	576	6.128	ug/l #	61
11) Tert butyl alcohol	5.226	59	65	Below Cal	#	83
16) Acetone	4.156	43	2049	42.154	ug/l	95
18) Methyl Acetate	4.744	43	56	Below Cal	#	49
20) Methylene Chloride	4.956	84	1186	Below Cal	#	29
23) Vinyl Acetate	6.303	43	55	19.134	ug/l #	70
25) 2-Butanone	7.203	43	72	1.166	ug/l #	44
36) 1,1-Dichloropropene	7.973	75	2447	5.706	ug/l #	43
38) Carbon Tetrachloride	7.979	117	2664	6.277	ug/l #	13
56) Ethyl methacrylate	10.738	69	79	2.853	ug/l #	22
76) 1,2,3-Trichloropropane	12.626	75	11382	51.588	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	11382	128.809	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.343	75	67	1.420	ug/l #	4

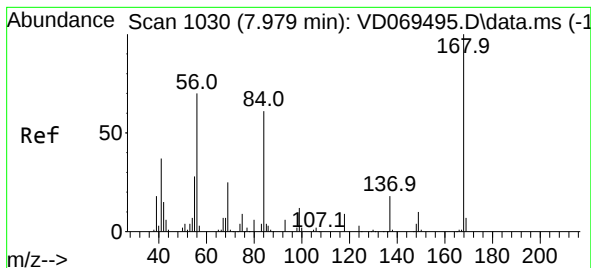
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD069616.D

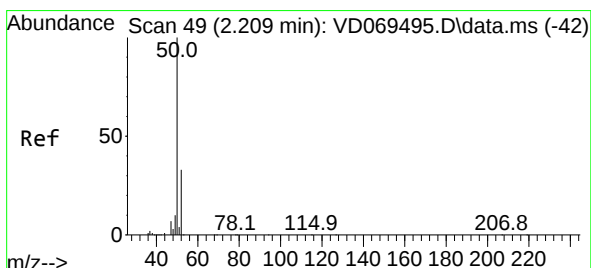
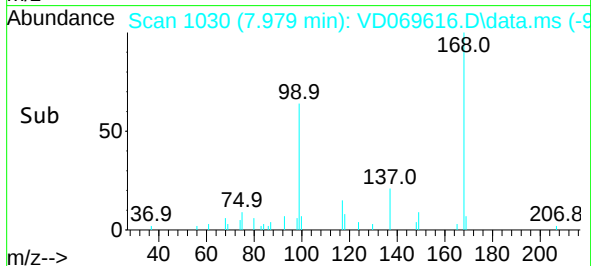
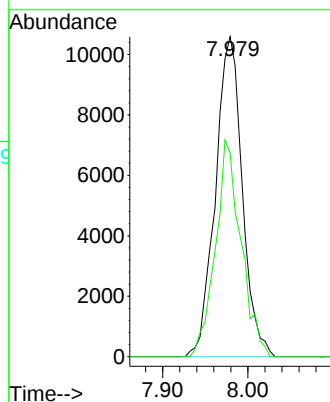
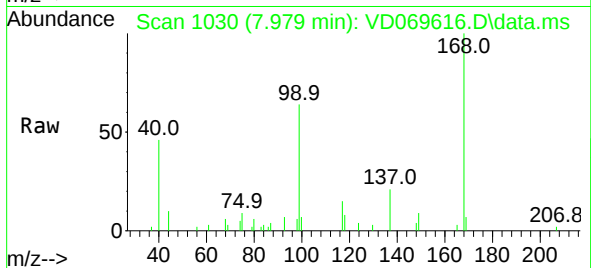
Acq: 07 Jul 2021 18:55

Tgt Ion:168 Resp: 23168

Ion Ratio Lower Upper

168 100

99 63.6 49.3 73.9



#3

Chloromethane

Concen: 1.880 ug/l

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD069616.D

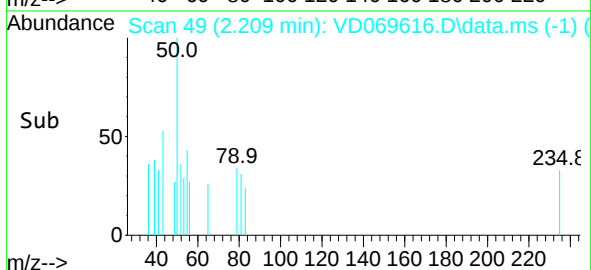
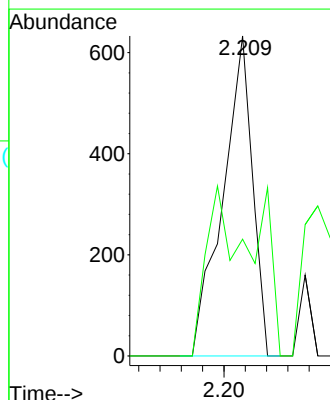
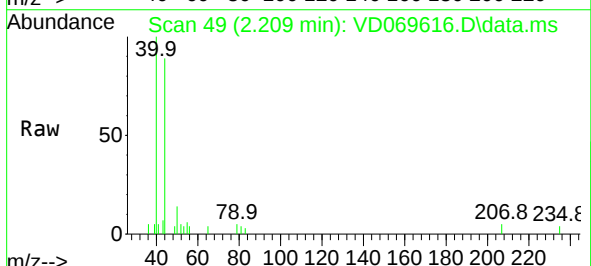
Acq: 07 Jul 2021 18:55

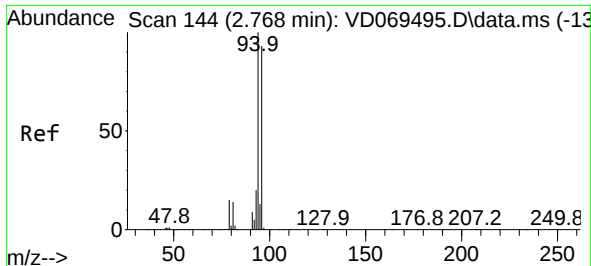
Tgt Ion: 50 Resp: 611

Ion Ratio Lower Upper

50 100

52 36.5 26.3 39.5

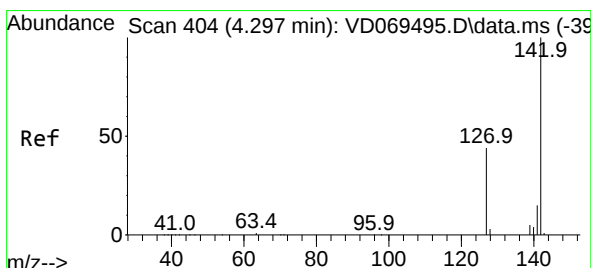
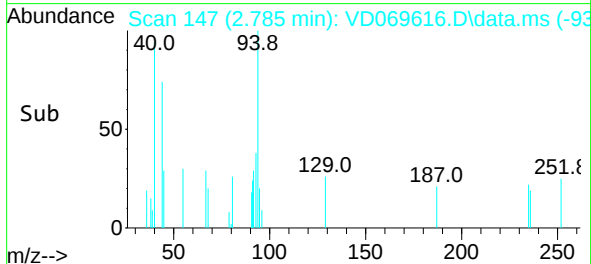
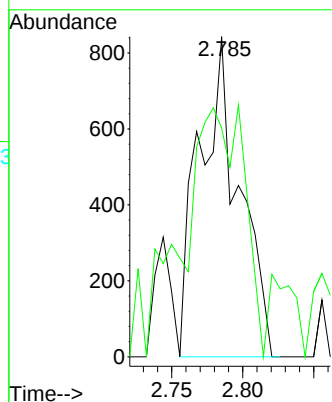
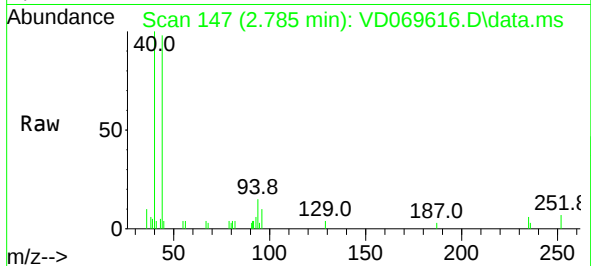




#5
Bromomethane
Concen: 5.865 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

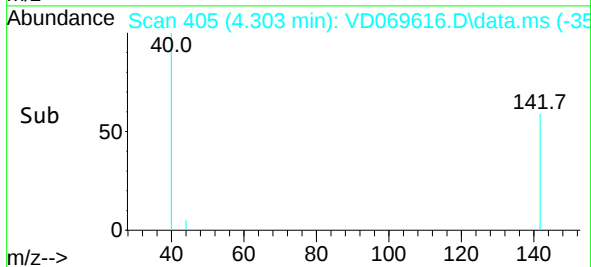
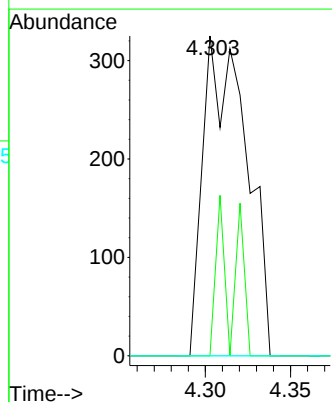
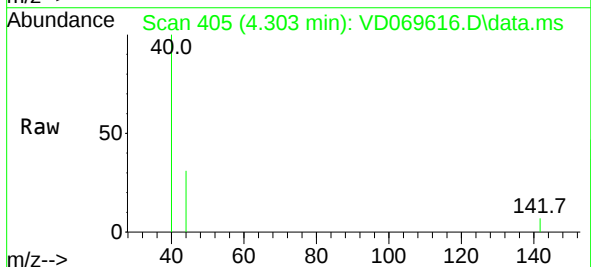
Instrument :
MSVOA_D
ClientSampleId :

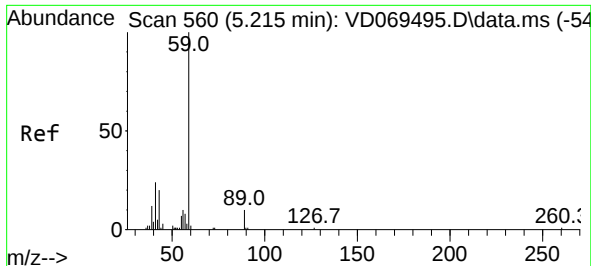
Tgt Ion: 94 Resp: 1655
Ion Ratio Lower Upper
94 100
96 50.2 74.6 111.8#



#10
Methyl Iodide
Concen: 6.128 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

Tgt Ion: 142 Resp: 576
Ion Ratio Lower Upper
142 100
127 19.4 36.5 54.7#
141 0.0 12.0 18.0#

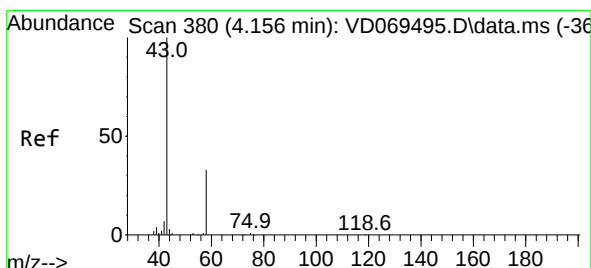
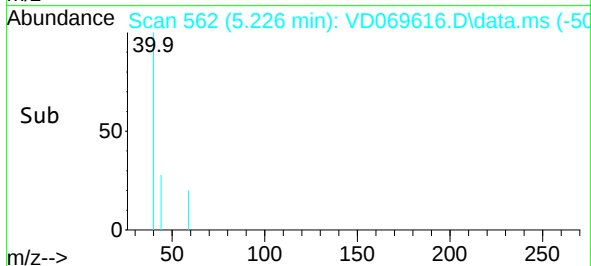
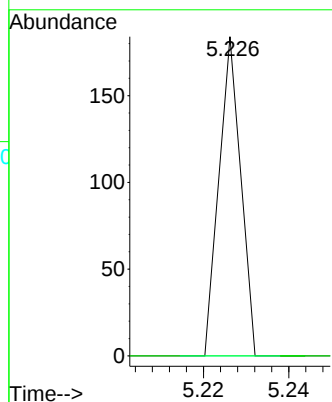
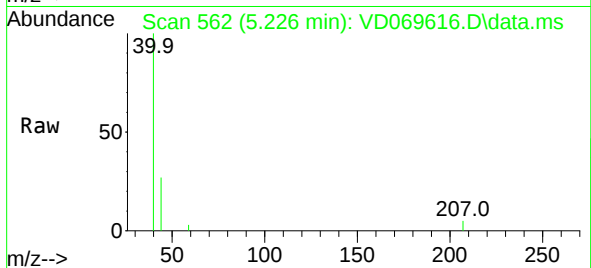




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.011 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

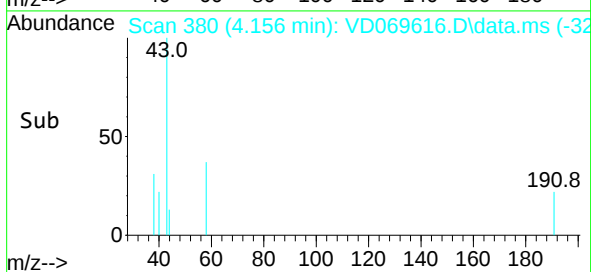
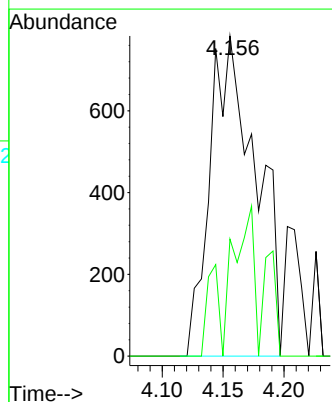
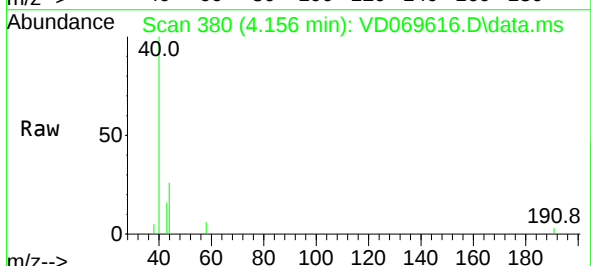
Instrument :
MSVOA_D
ClientSampleId :

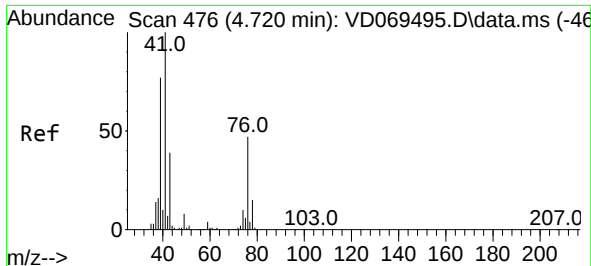
Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#



#16
Acetone
Concen: 42.154 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

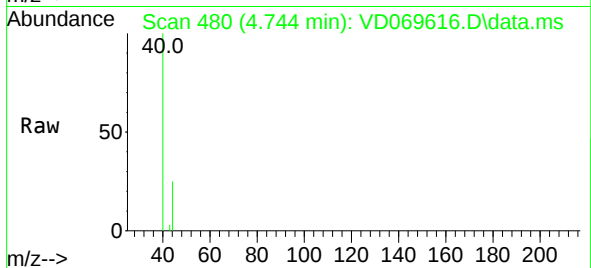
Tgt Ion: 43 Resp: 2049
Ion Ratio Lower Upper
43 100
58 36.5 26.8 40.2



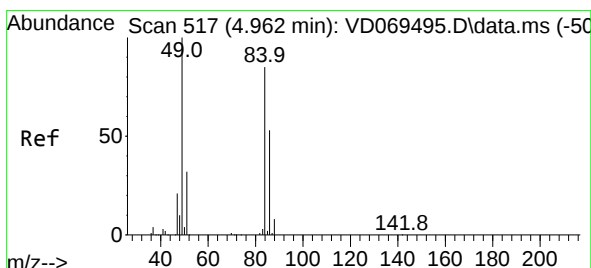
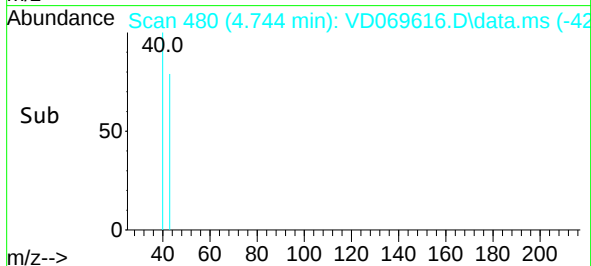
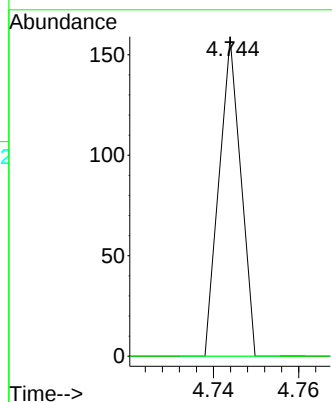


#18
Methyl Acetate
Concen: Below Cal
RT: 4.744 min Scan# 480
Delta R.T. 0.024 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

Instrument :
MSVOA_D
ClientSampled :

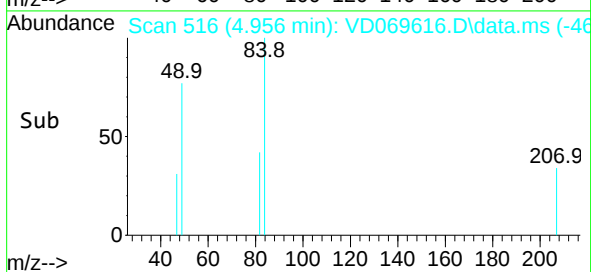
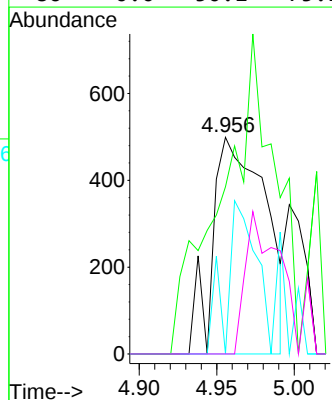
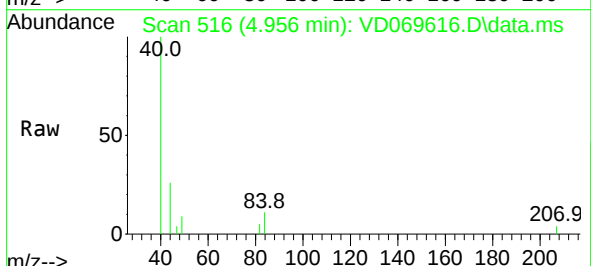


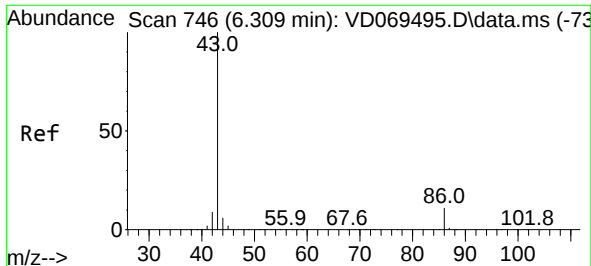
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

Tgt Ion: 84 Resp: 1186
Ion Ratio Lower Upper
84 100
49 41.5 94.0 141.0#
51 0.0 29.7 44.5#
86 0.0 50.1 75.1#

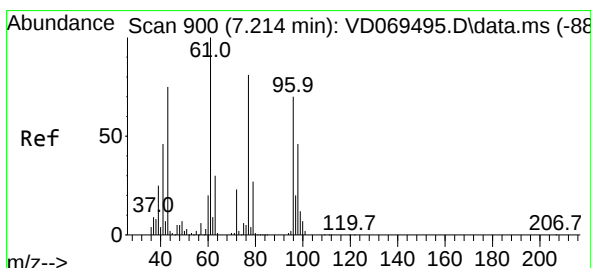
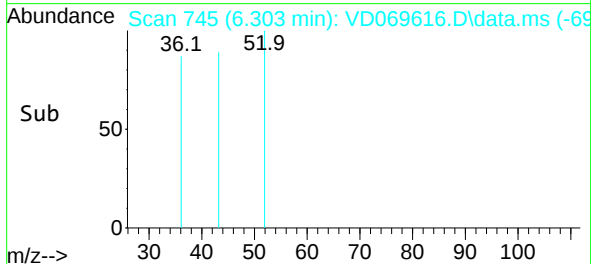
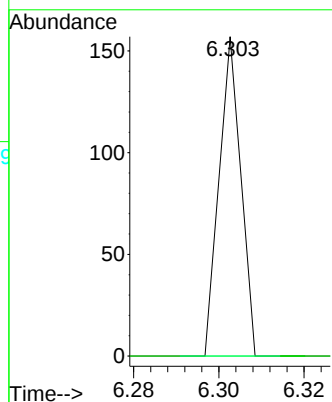
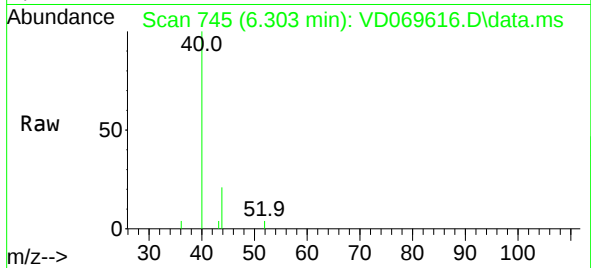




#23
 Vinyl Acetate
 Concen: 19.134 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: VD069616.D
 Acq: 07 Jul 2021 18:55

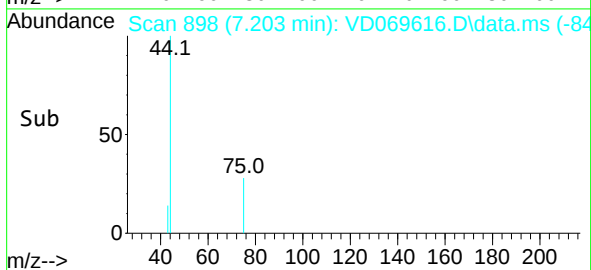
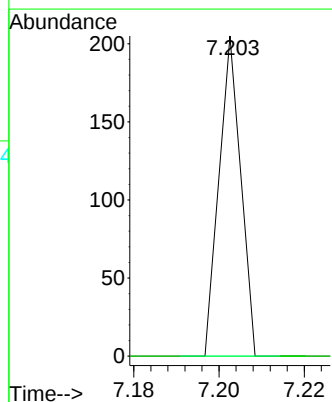
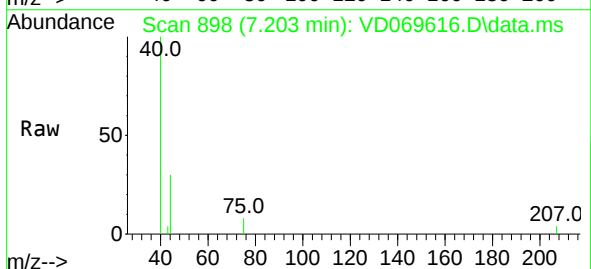
Instrument :
 MSVOA_D
 ClientSampleId :

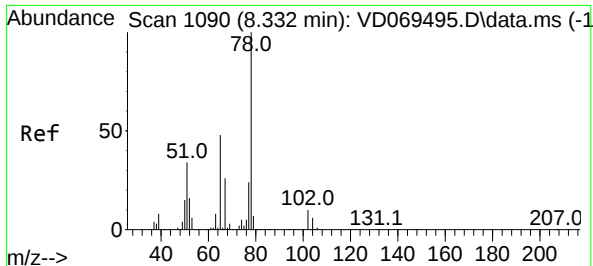
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 1.166 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD069616.D
 Acq: 07 Jul 2021 18:55

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

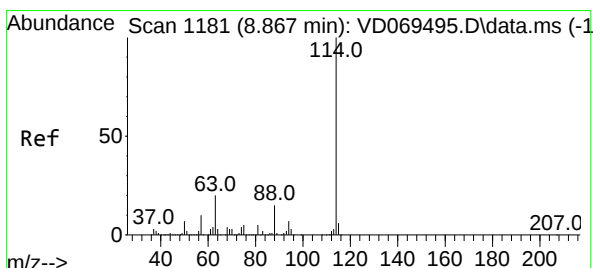
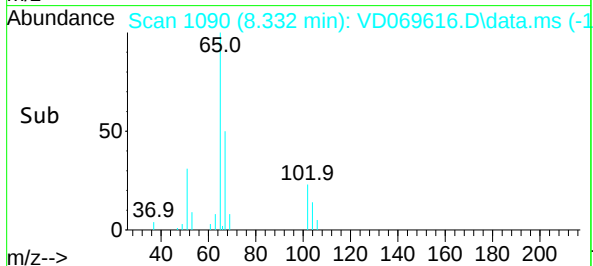
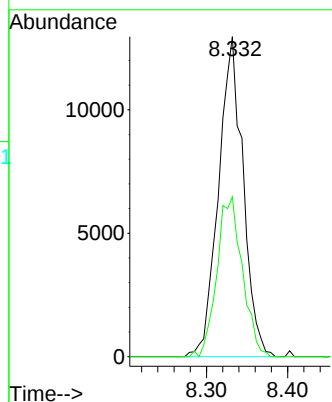
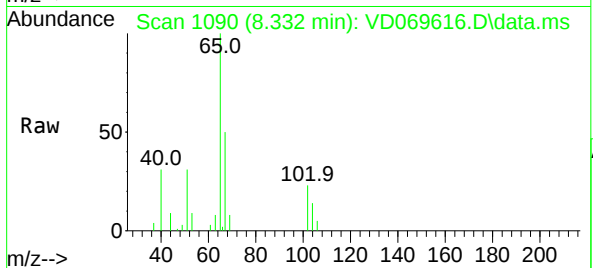




#33
1,2-Dichloroethane-d4
Concen: 94.267 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

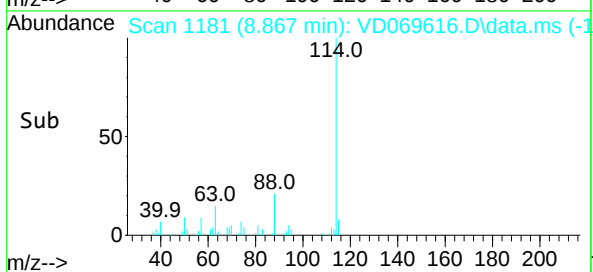
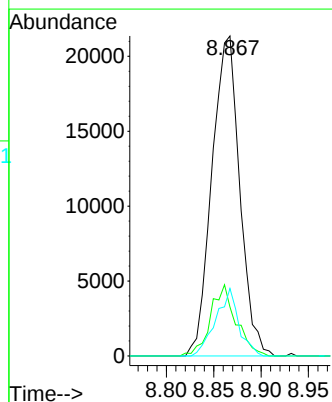
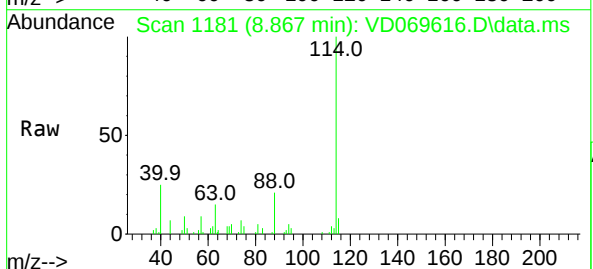
Instrument :
MSVOA_D
ClientSampleId :

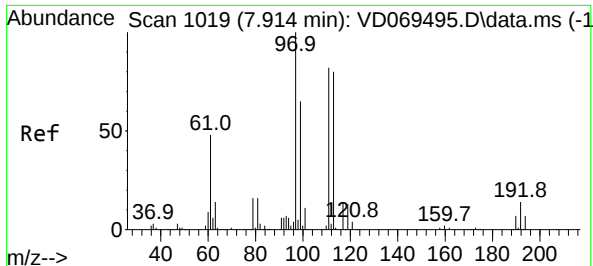
Tgt Ion: 65 Resp: 27223
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

Tgt Ion: 114 Resp: 43694
Ion Ratio Lower Upper
114 100
63 15.3 0.0 39.6
88 21.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.573 ug/l

RT: 7.914 min Scan# 1019

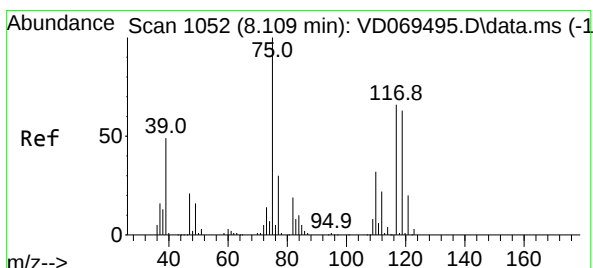
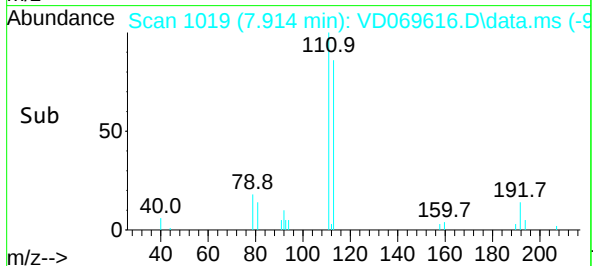
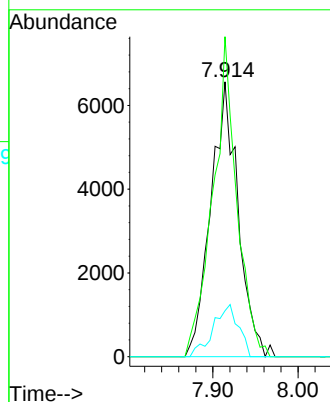
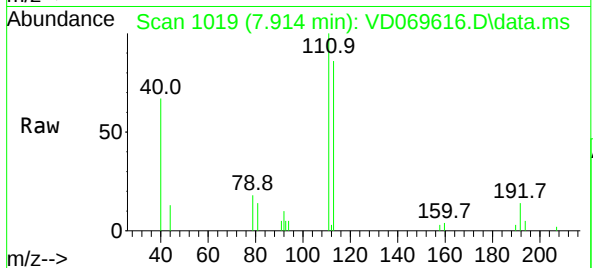
Delta R.T. -0.000 min

Lab File: VD069616.D

Acq: 07 Jul 2021 18:55

Tgt Ion:	113	Resp:	14642
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.8
192	17.5	13.8	20.6

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.706 ug/l

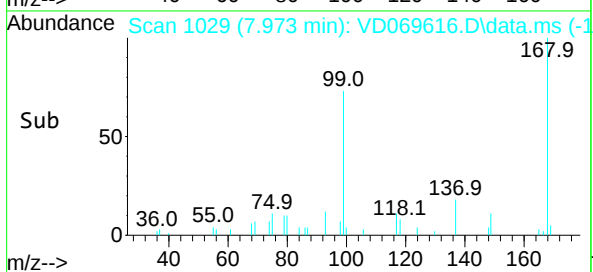
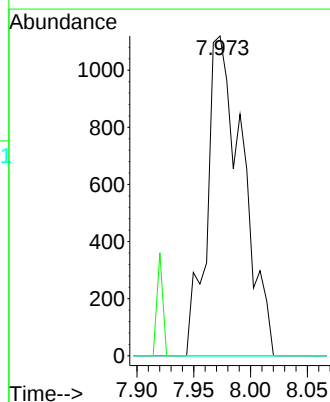
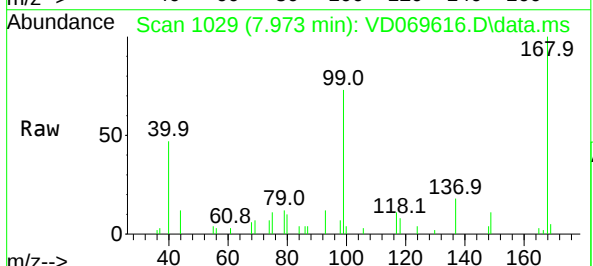
RT: 7.973 min Scan# 1029

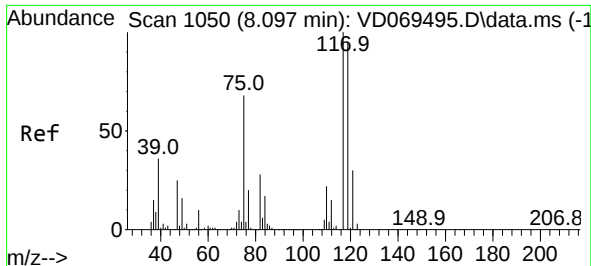
Delta R.T. -0.135 min

Lab File: VD069616.D

Acq: 07 Jul 2021 18:55

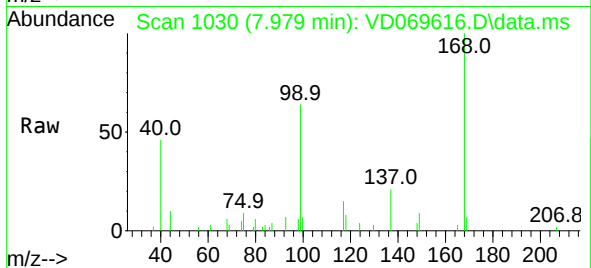
Tgt Ion:	75	Resp:	2447
Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.8	50.4#
77	0.0	24.3	36.5#



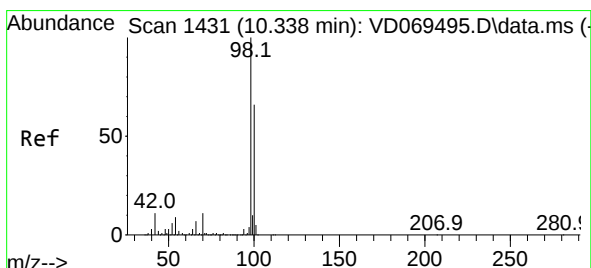
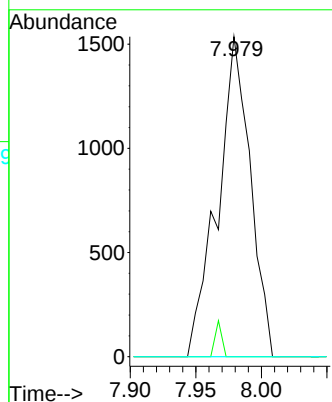
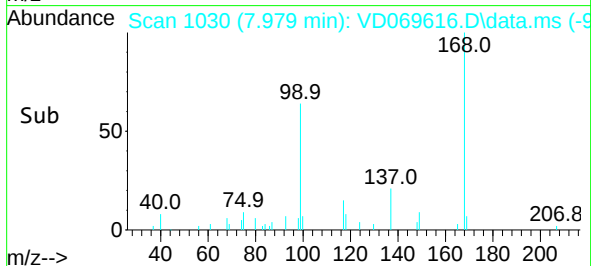


#38
Carbon Tetrachloride
Concen: 6.277 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

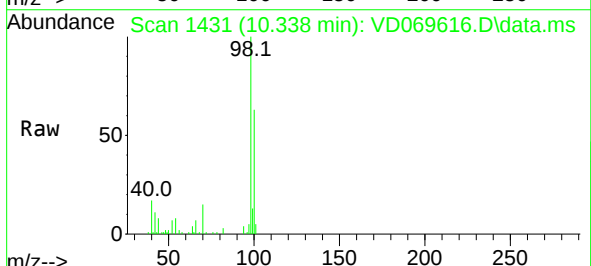
Instrument :
MSVOA_D
ClientSampleId :



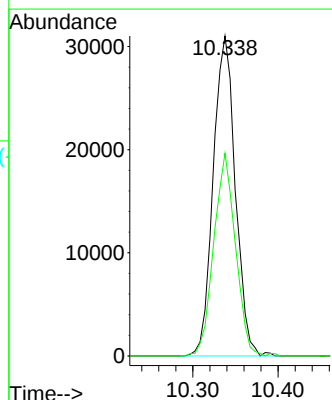
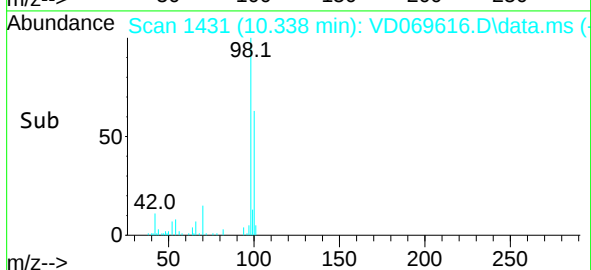
Tgt Ion:117 Resp: 2664
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 23.8 35.8#

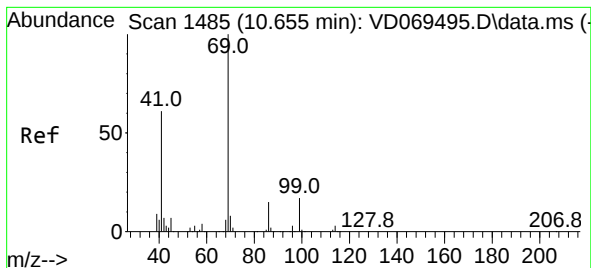


#50
Toluene-d8
Concen: 50.458 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55



Tgt Ion: 98 Resp: 55902
Ion Ratio Lower Upper
98 100
100 62.1 52.3 78.5

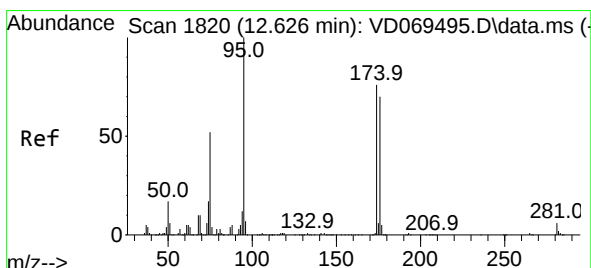
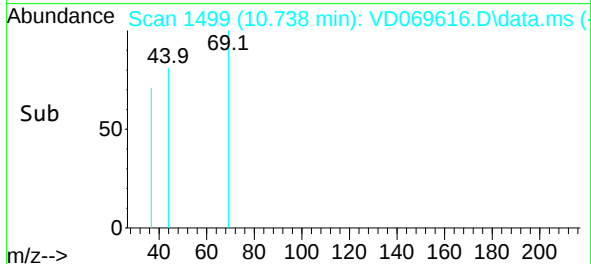
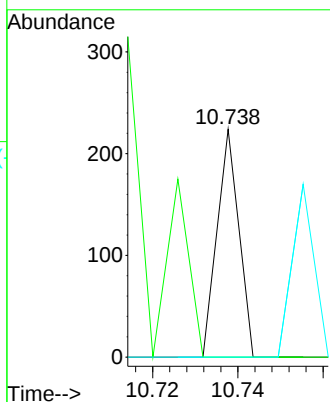
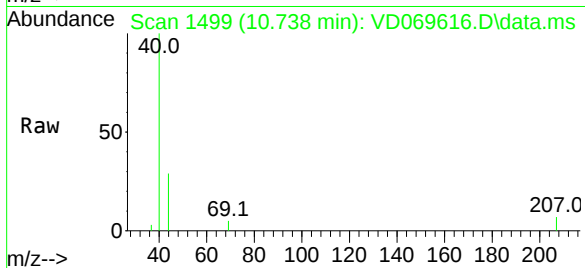




#56
Ethyl methacrylate
Concen: 2.853 ug/l
RT: 10.738 min Scan# 1499
Delta R.T. 0.083 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

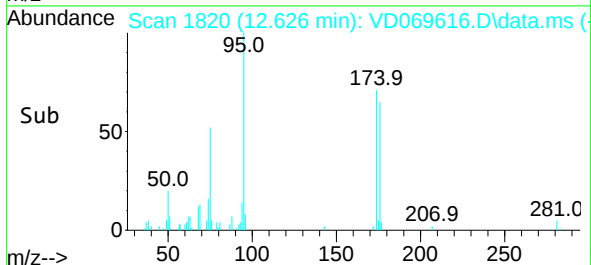
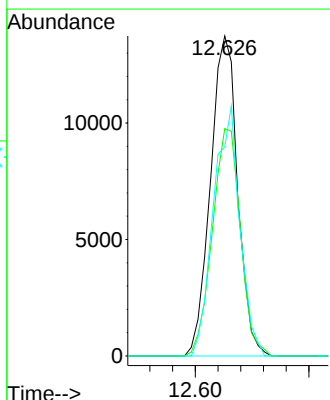
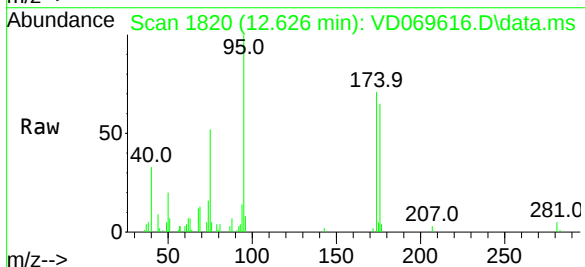
Instrument :
MSVOA_D
ClientSampled :

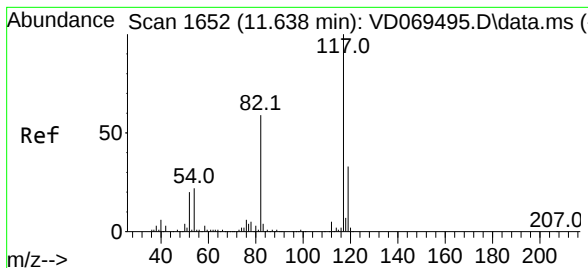
Tgt Ion: 69 Resp: 79
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 75.9 26.9 40.3#



#62
4-Bromofluorobenzene
Concen: 62.544 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

Tgt Ion: 95 Resp: 22780
Ion Ratio Lower Upper
95 100
174 73.4 0.0 148.0
176 75.4 0.0 139.8

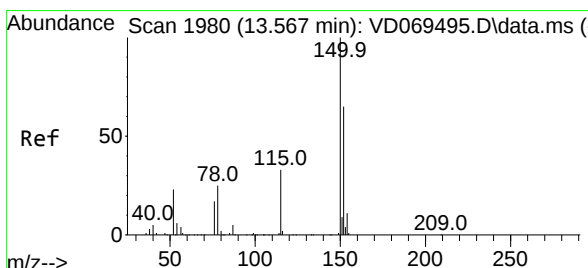
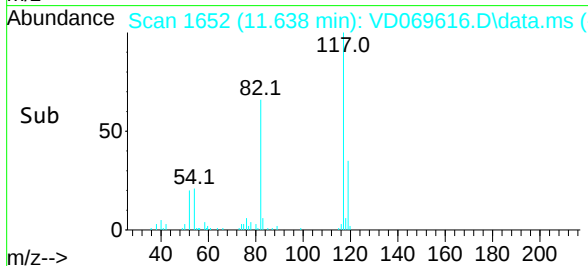
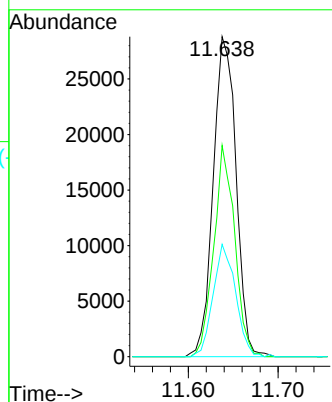
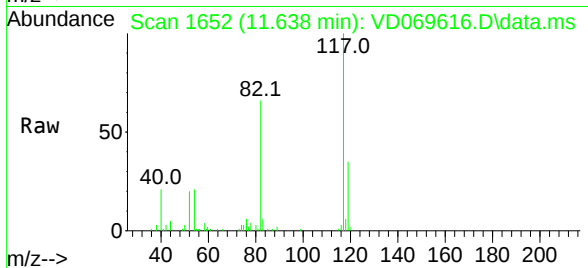




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

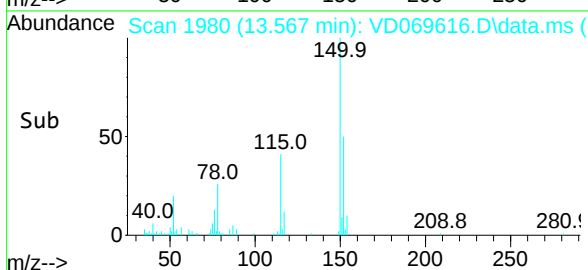
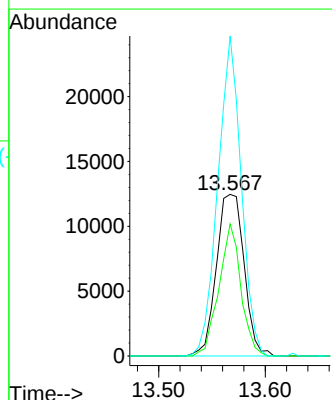
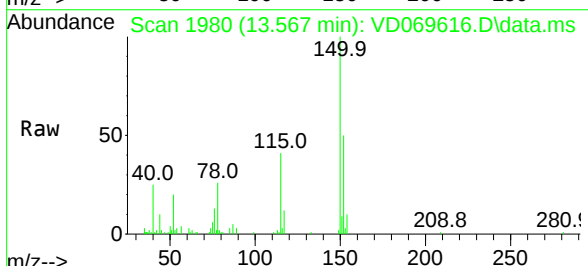
Instrument :
MSVOA_D
ClientSampleId :

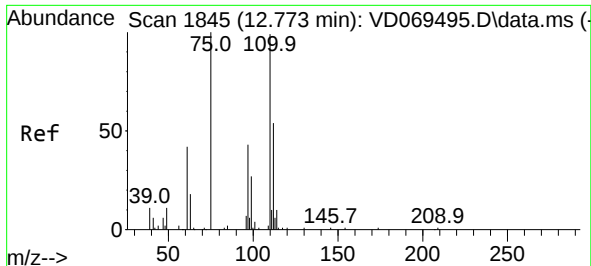
Tgt Ion:	117	Resp:	50992
Ion Ratio	Lower	Upper	
117	100		
82	66.0	46.8	70.2
119	35.1	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

Tgt Ion:	152	Resp:	22476
Ion Ratio	Lower	Upper	
152	100		
115	64.8	31.7	95.1
150	167.0	0.0	350.8

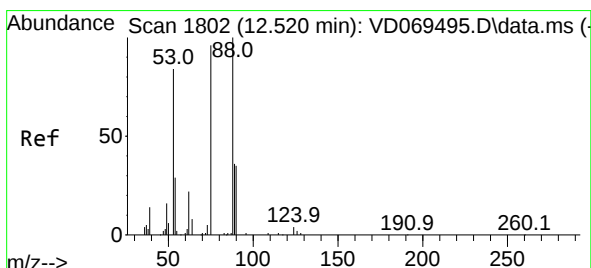
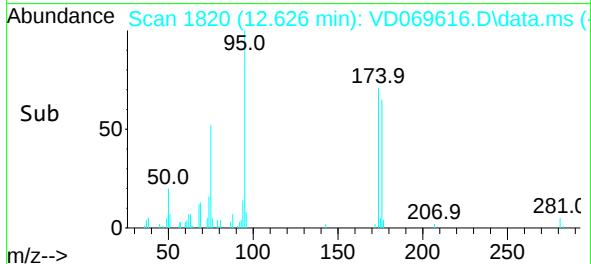
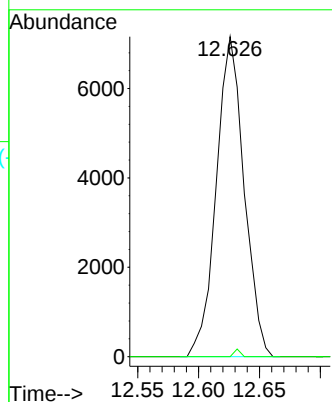
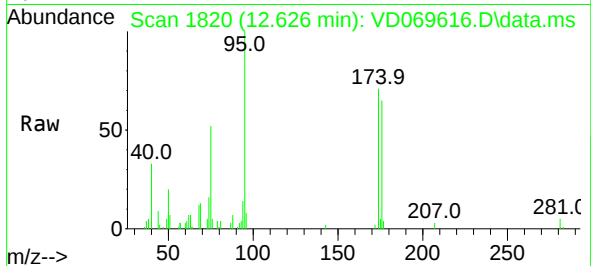




#76
1,2,3-Trichloropropane
Concen: 51.588 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

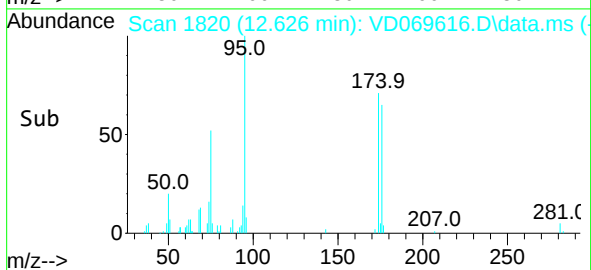
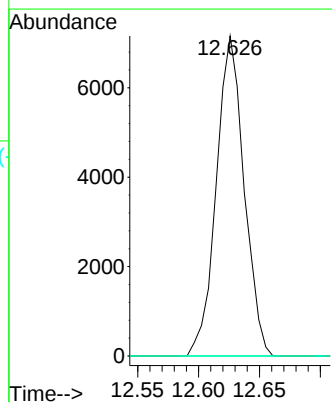
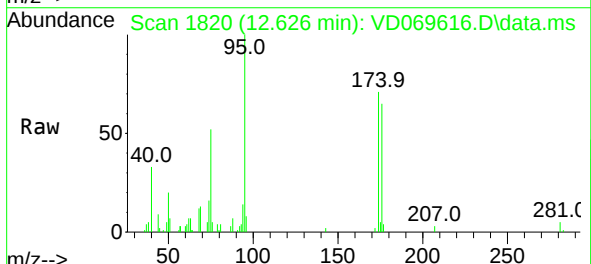
Instrument :
MSVOA_D
ClientSampleId :

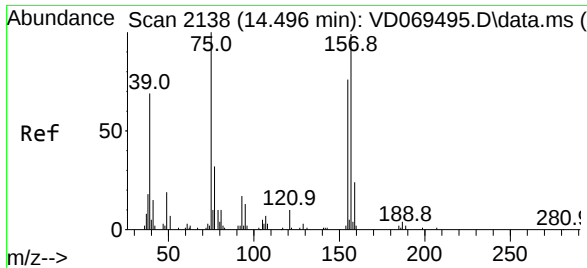
Tgt Ion: 75 Resp: 11382
Ion Ratio Lower Upper
75 100
77 0.5 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.809 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069616.D
Acq: 07 Jul 2021 18:55

Tgt Ion: 75 Resp: 11382
Ion Ratio Lower Upper
75 100
53 0.0 74.6 112.0#
89 0.0 35.3 52.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.420 ug/l
 RT: 14.343 min Scan# 2112
 Delta R.T. -0.153 min
 Lab File: VD069616.D
 Acq: 07 Jul 2021 18:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 75 Resp: 67
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.4 118.1#
 157 0.0 51.2 153.6#

