

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022222\
 Data File : VD072062.D
 Acq On : 22 Feb 2022 17:29
 Operator : VA/SY
 Sample : N1628-01
 Misc : 4.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 23 05:31:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

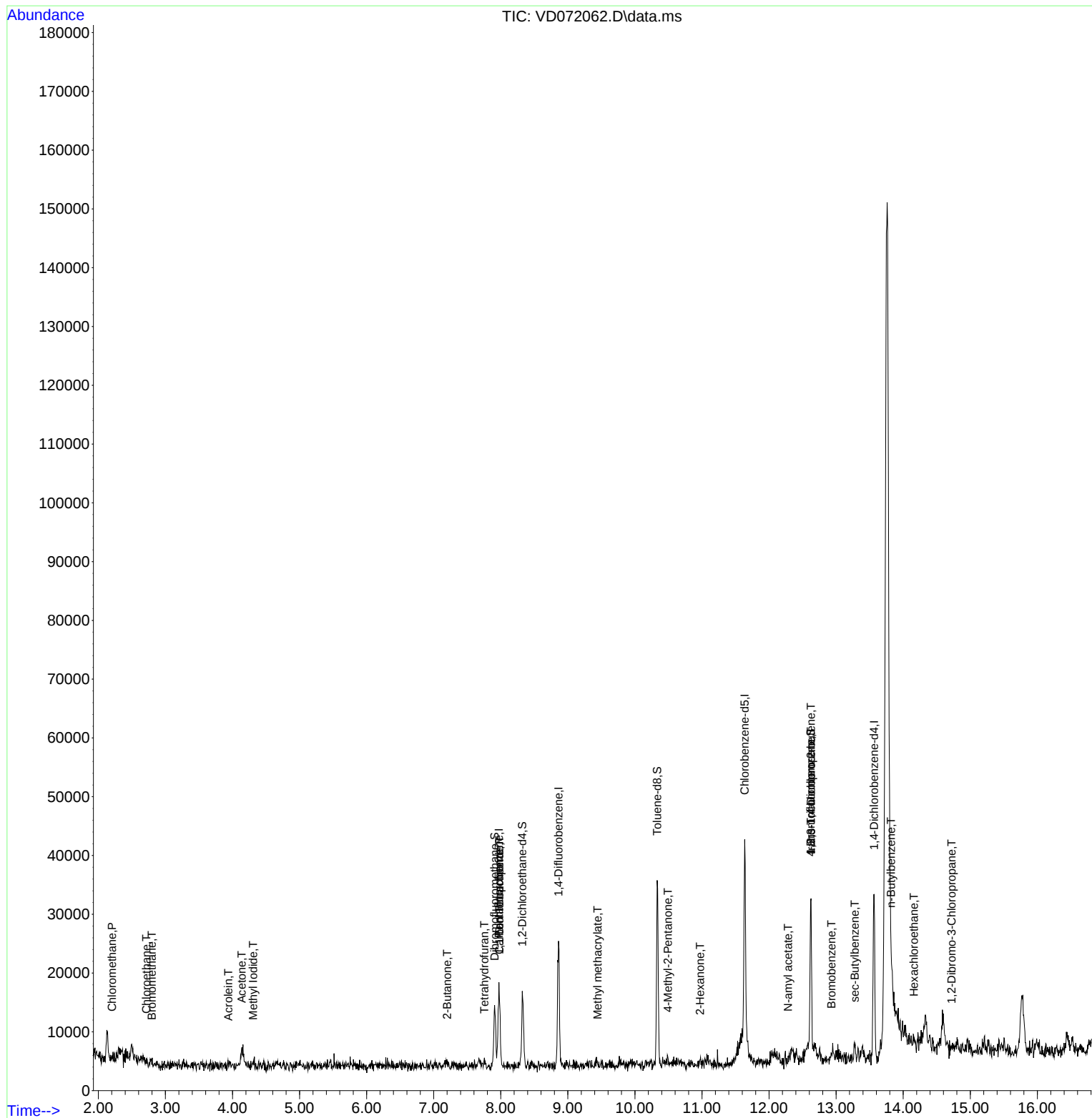
Internal Standards						
1) Pentafluorobenzene	7.973	168	10731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	18344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	18363	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	8778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	8996	80.818	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 161.640%			
35) Dibromofluoromethane	7.908	113	6775	60.959	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.920%			
50) Toluene-d8	10.332	98	20984	50.913	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.820%			
62) 4-Bromofluorobenzene	12.620	95	8343	55.107	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.220%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	686	7.725	ug/l	96
5) Bromomethane	2.797	94	548	7.768	ug/l #	78
6) Chloroethane	2.715	64	60	1.039	ug/l #	42
10) Methyl Iodide	4.309	142	454	6.434	ug/l #	40
13) Acrolein	3.938	56	367	29.304	ug/l #	69
16) Acetone	4.138	43	6204	257.892	ug/l	94
25) 2-Butanone	7.203	43	640	19.249	ug/l #	50
29) Tetrahydrofuran	7.755	42	69	3.252	ug/l #	35
36) 1,1-Dichloropropene	7.979	75	320	1.901	ug/l #	41
38) Carbon Tetrachloride	7.979	117	937	5.430	ug/l #	12
48) Methyl methacrylate	9.444	41	149	2.029	ug/l #	18
51) 4-Methyl-2-Pentanone	10.491	43	218	2.829	ug/l	90
59) 2-Hexanone	10.973	43	347	6.603	ug/l	69
74) N-amyl acetate	12.285	43	328	2.254	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	4121	49.563	ug/l #	100
77) Bromobenzene	12.932	156	350	2.480	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	4121	124.116	ug/l #	11
85) sec-Butylbenzene	13.279	105	1094	1.661	ug/l #	57
89) n-Butylbenzene	13.820	91	539	1.046	ug/l #	59
90) Hexachloroethane	14.161	117	566	5.205	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.720	75	61	3.286	ug/l #	2

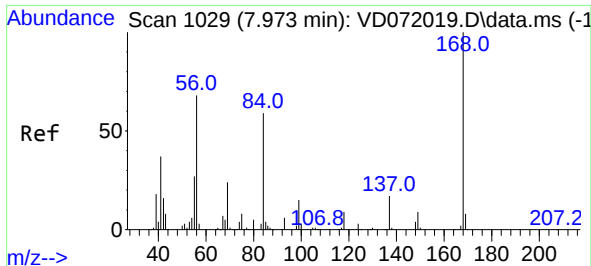
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 19 04:05:38 2022
Response via : Initial Calibration

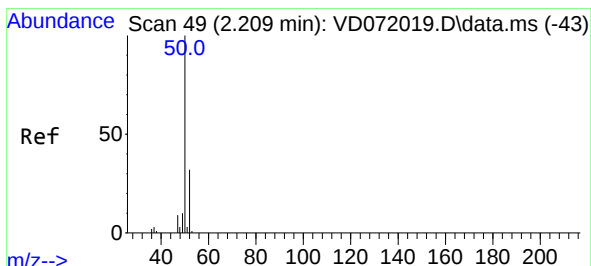
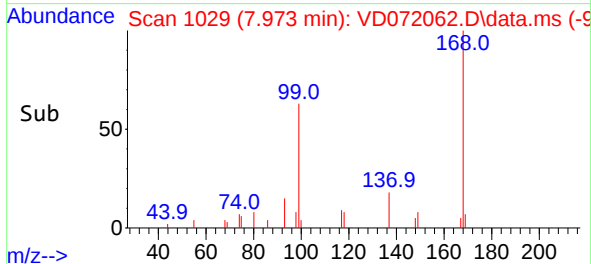
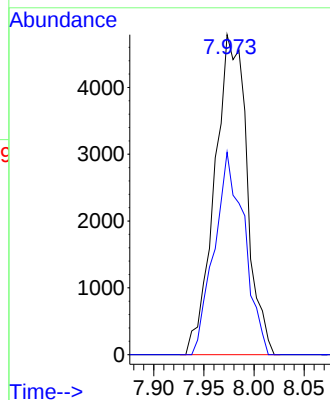
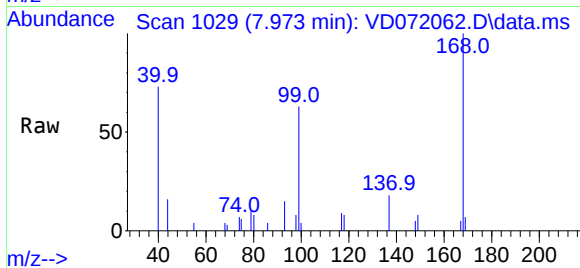




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

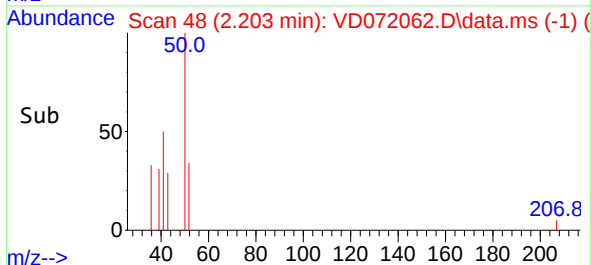
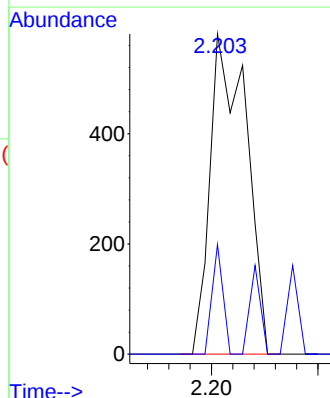
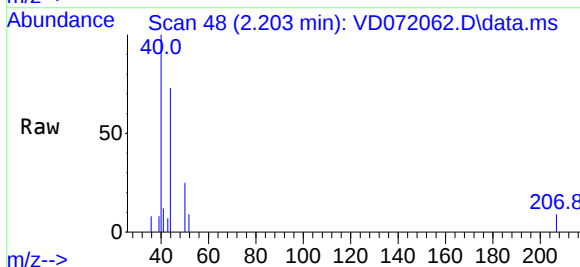
Instrument :
MSVOA_D
ClientSampleId :

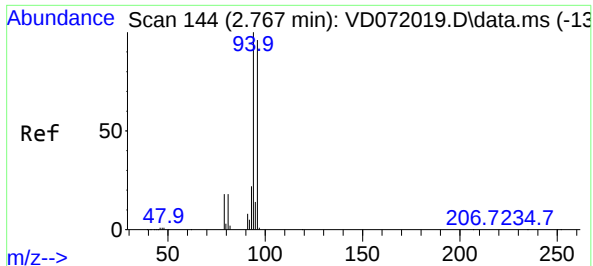
Tgt Ion:168 Resp: 10731
Ion Ratio Lower Upper
168 100
99 63.2 47.1 70.7



#3
Chloromethane
Concen: 7.725 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Tgt Ion: 50 Resp: 686
Ion Ratio Lower Upper
50 100
52 34.3 25.5 38.3

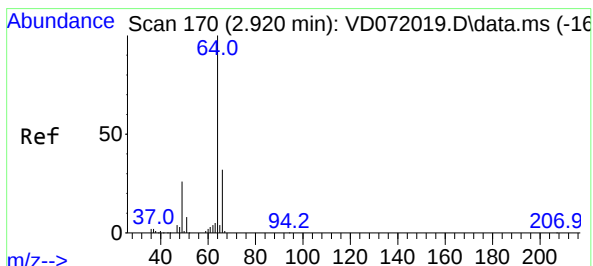
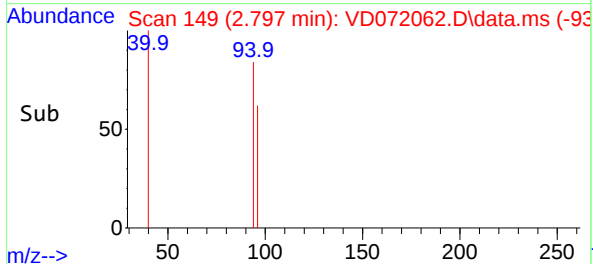
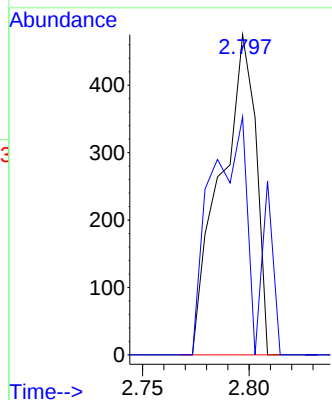
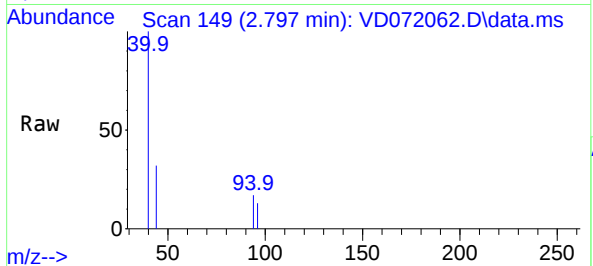




#5
Bromomethane
Concen: 7.768 ug/l
RT: 2.797 min Scan# 144
Delta R.T. 0.030 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

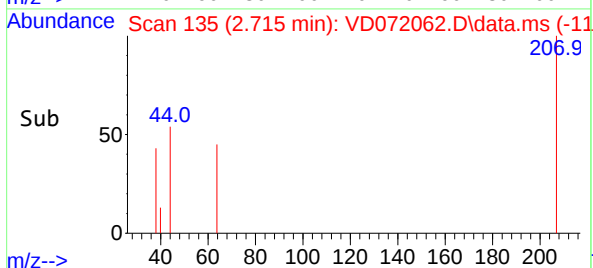
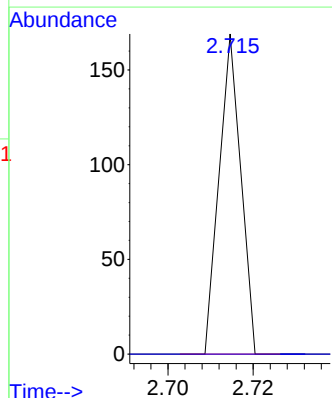
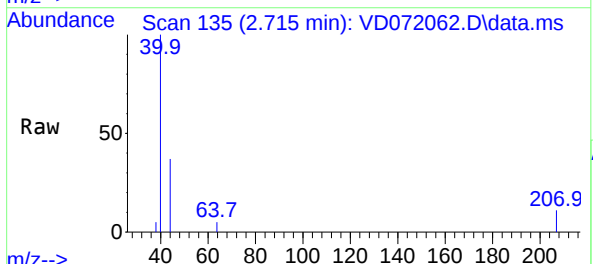
Instrument :
MSVOA_D
ClientSampleId :

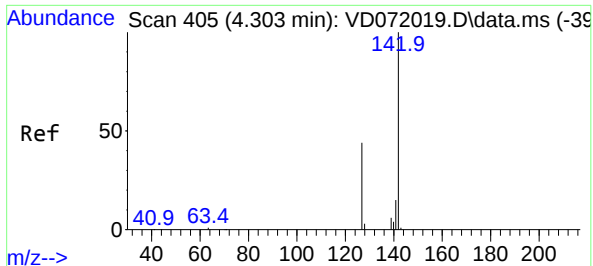
Tgt Ion: 94 Resp: 548
Ion Ratio Lower Upper
94 100
96 74.3 76.8 115.2#



#6
Chloroethane
Concen: 1.039 ug/l
RT: 2.715 min Scan# 135
Delta R.T. -0.206 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

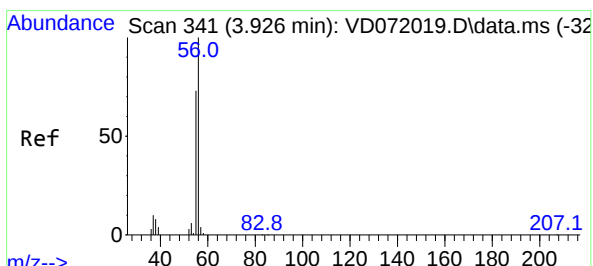
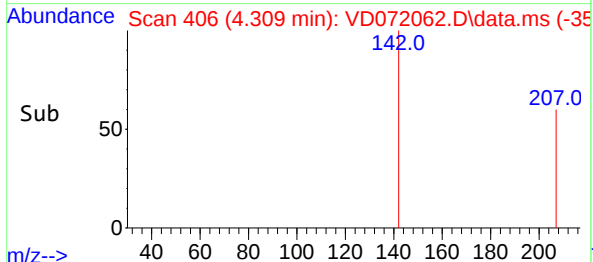
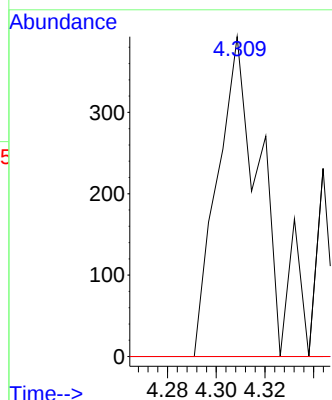
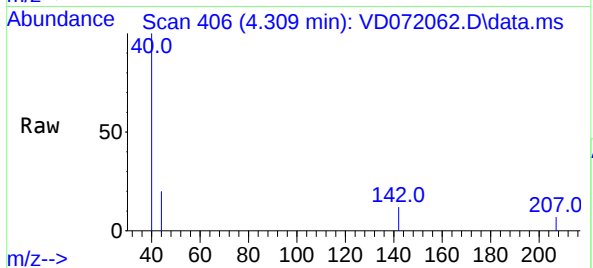




#10
Methyl Iodide
Concen: 6.434 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

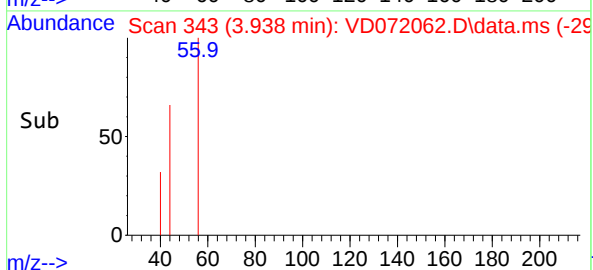
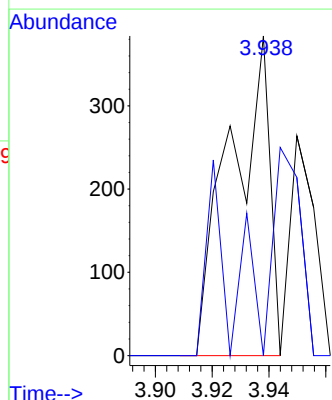
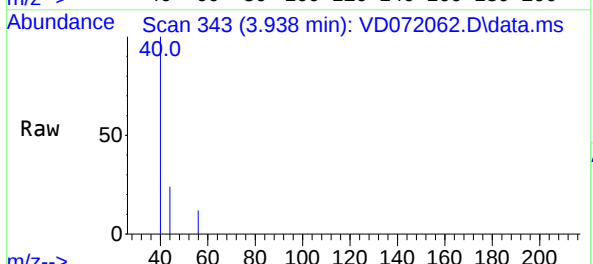
Instrument :
MSVOA_D
ClientSampleId :

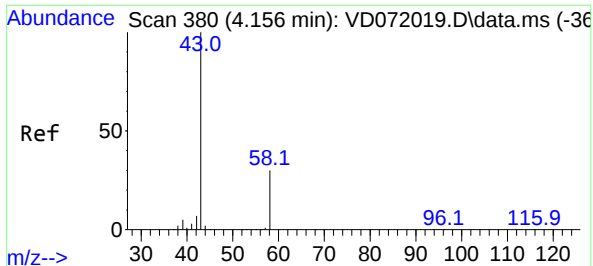
Tgt Ion:142 Resp: 454
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.8#
141 0.0 11.6 17.4#



#13
Acrolein
Concen: 29.304 ug/l
RT: 3.938 min Scan# 343
Delta R.T. 0.012 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Tgt Ion: 56 Resp: 367
Ion Ratio Lower Upper
56 100
55 44.7 55.8 83.6#

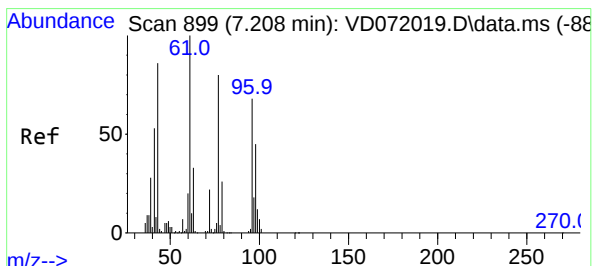
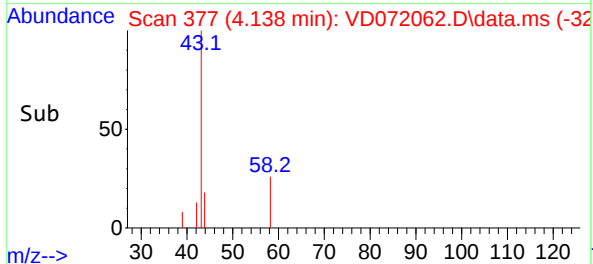
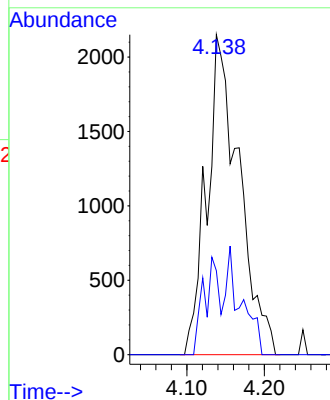
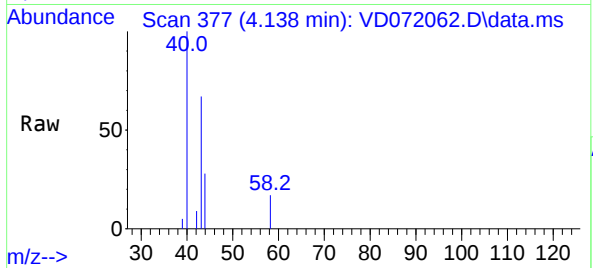




#16
Acetone
Concen: 257.892 ug/l
RT: 4.138 min Scan# 31
Delta R.T. -0.018 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

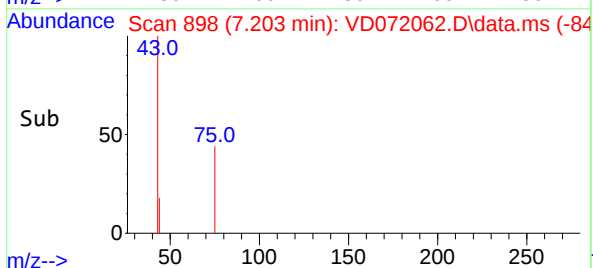
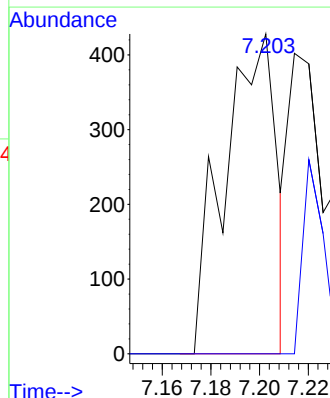
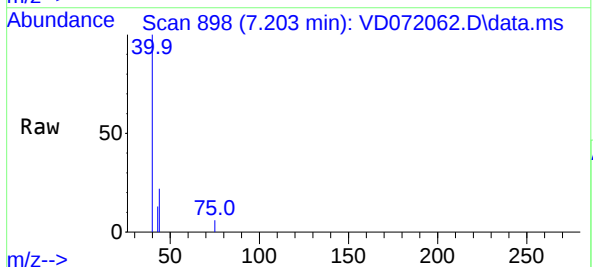
Instrument :
MSVOA_D
ClientSampleId :

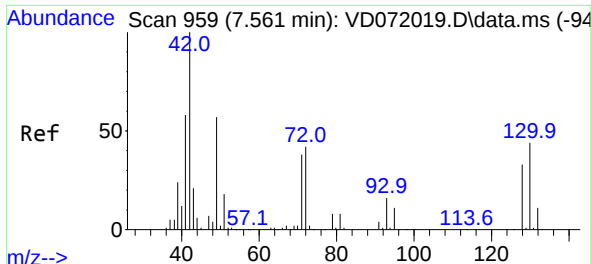
Tgt Ion: 43 Resp: 6204
Ion Ratio Lower Upper
43 100
58 26.2 23.8 35.6



#25
2-Butanone
Concen: 19.249 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

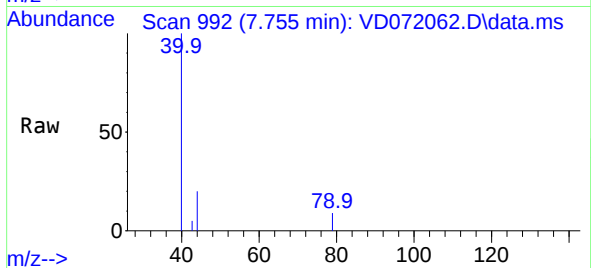
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
72 0.0 20.3 30.5#



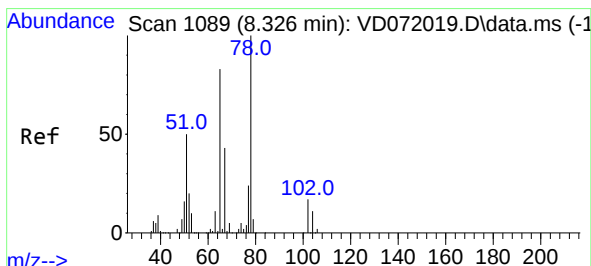
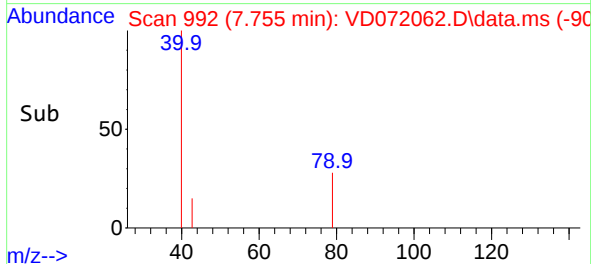
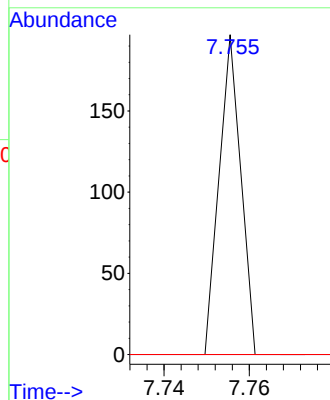


#29
Tetrahydrofuran
Concen: 3.252 ug/l
RT: 7.755 min Scan# 91
Delta R.T. 0.194 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Instrument :
MSVOA_D
ClientSampleId :

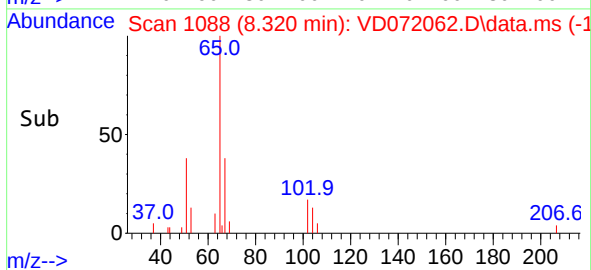
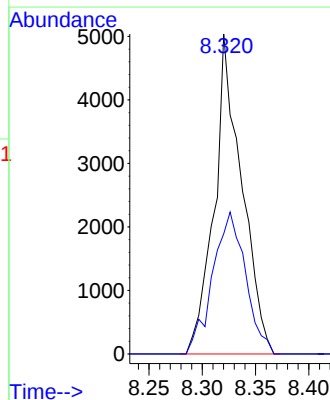
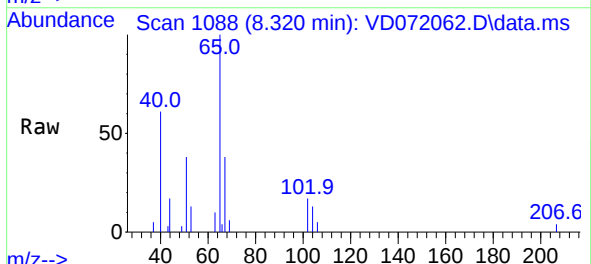


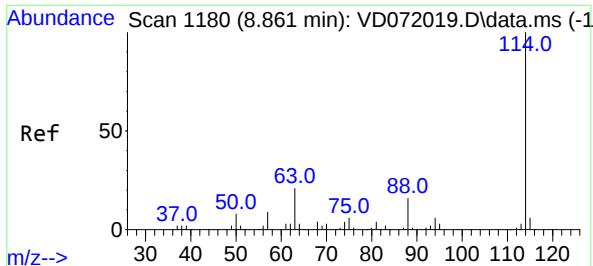
Tgt Ion: 42 Resp: 69
Ion Ratio Lower Upper
42 100
72 0.0 33.6 50.4#
71 0.0 31.0 46.4#



#33
1,2-Dichloroethane-d4
Concen: 80.818 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Tgt Ion: 65 Resp: 8996
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072062.D

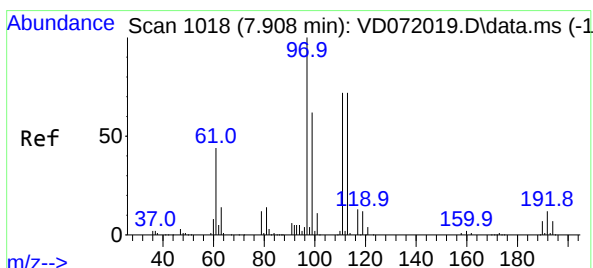
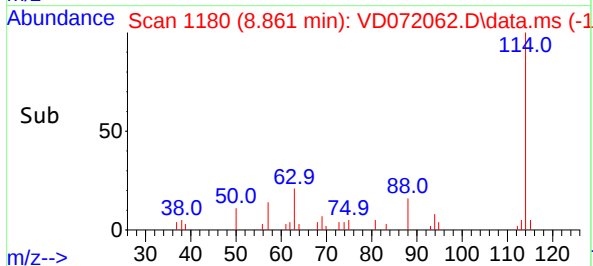
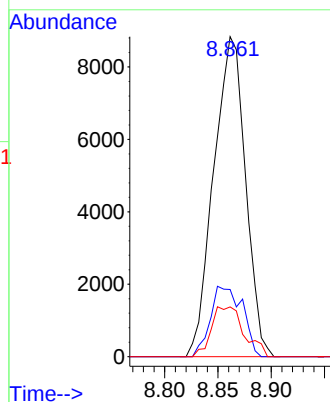
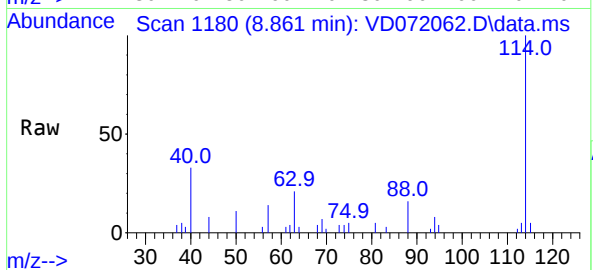
Acq: 22 Feb 2022 17:29

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	18344
Ion Ratio	Lower	Upper
114	100	
63	21.0	0.0 42.2
88	15.6	0.0 31.2



#35

Dibromofluoromethane

Concen: 60.959 ug/l

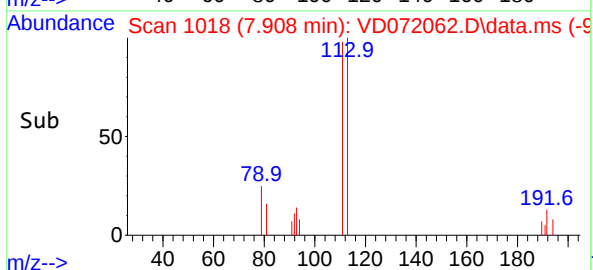
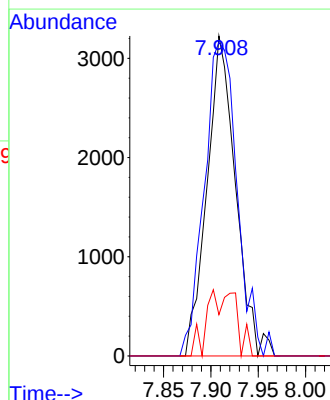
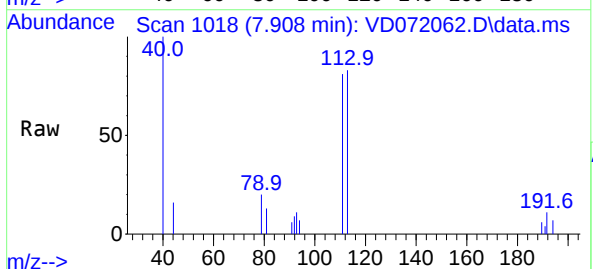
RT: 7.908 min Scan# 1018

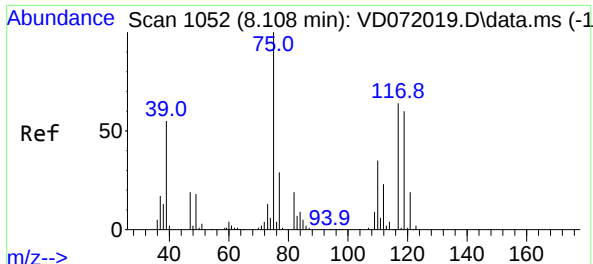
Delta R.T. 0.000 min

Lab File: VD072062.D

Acq: 22 Feb 2022 17:29

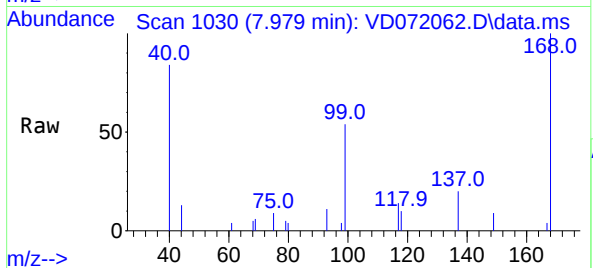
Tgt Ion:113	Resp:	6775
Ion Ratio	Lower	Upper
113	100	
111	111.7	83.0 124.4
192	10.0	15.3 22.9#



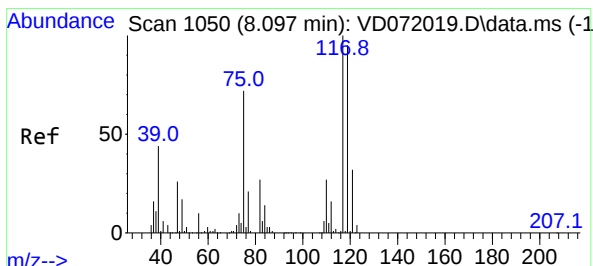
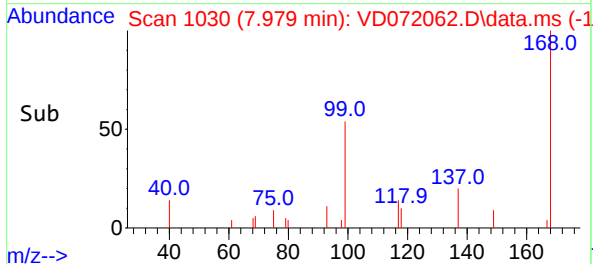
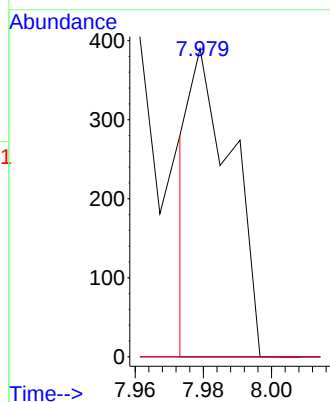


#36
1,1-Dichloropropene
Concen: 1.901 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Instrument :
MSVOA_D
ClientSampleId :

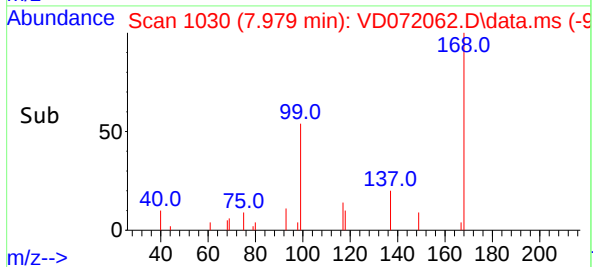
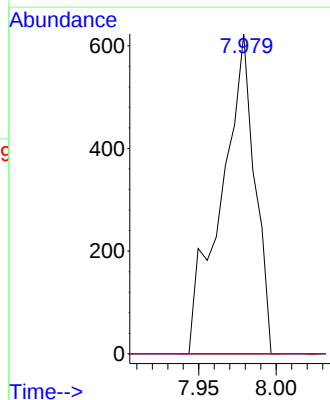
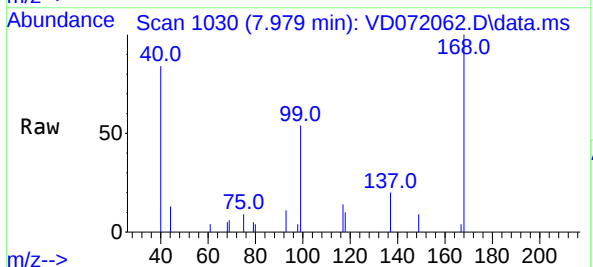


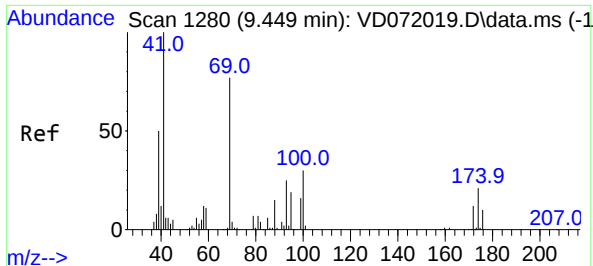
Tgt Ion: 75 Resp: 320
Ion Ratio Lower Upper
75 100
110 0.0 17.7 53.1#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.430 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

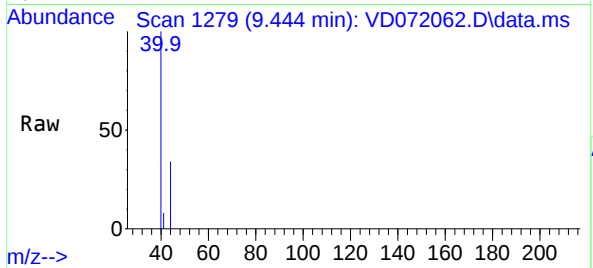
Tgt Ion: 117 Resp: 937
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.8 38.6#



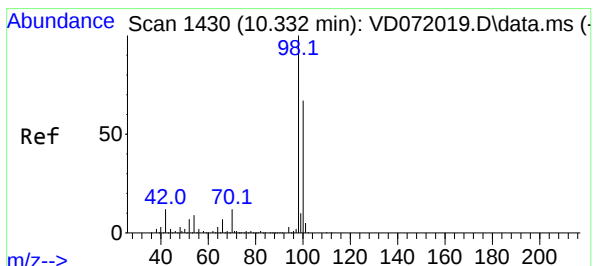
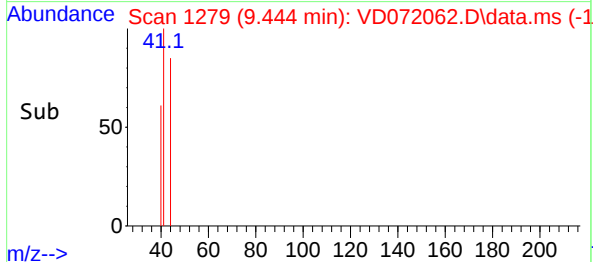
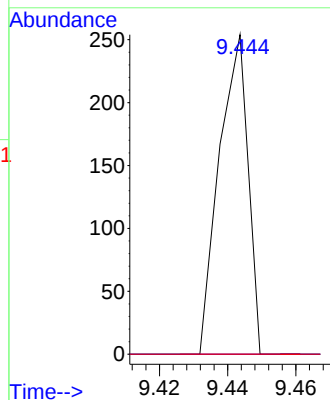


#48
Methyl methacrylate
Concen: 2.029 ug/l
RT: 9.444 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Instrument :
MSVOA_D
ClientSampleId :

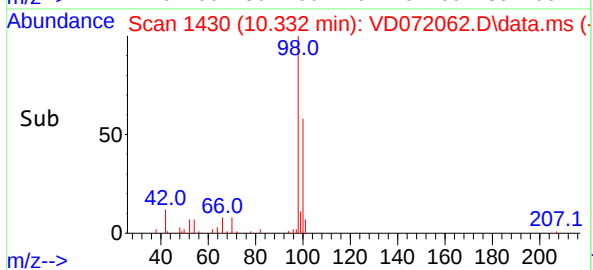
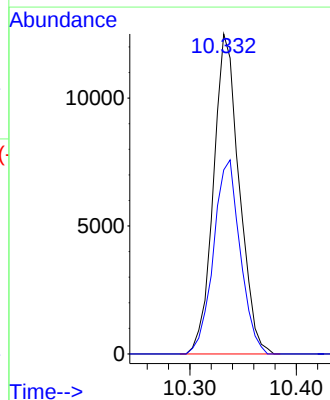
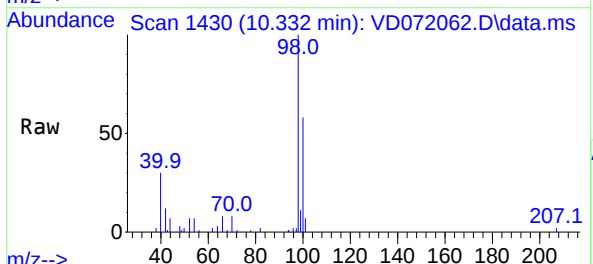


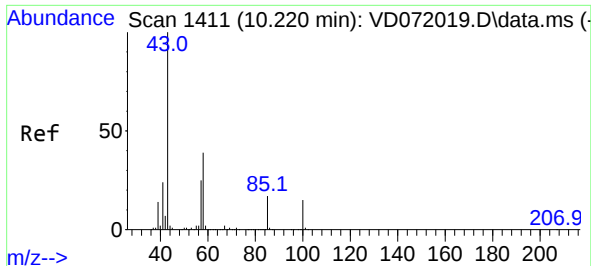
Tgt Ion: 41 Resp: 149
Ion Ratio Lower Upper
41 100
69 0.0 61.6 92.4#
39 0.0 38.6 57.8#



#50
Toluene-d8
Concen: 50.913 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

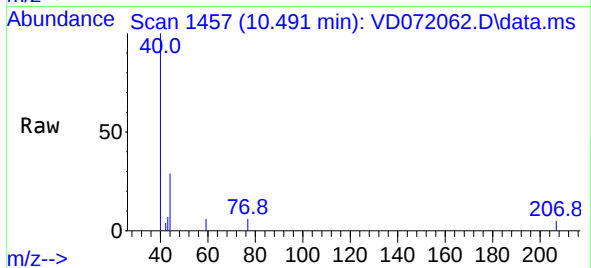
Tgt Ion: 98 Resp: 20984
Ion Ratio Lower Upper
98 100
100 62.8 53.8 80.6



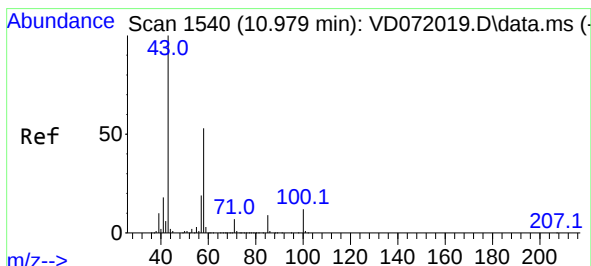
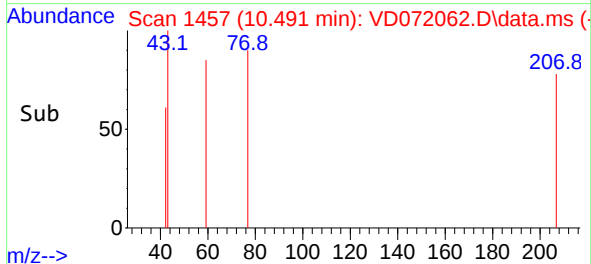
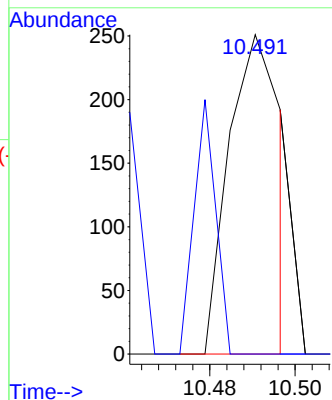


#51
4-Methyl-2-Pentanone
Concen: 2.829 ug/l
RT: 10.491 min Scan# 1411
Delta R.T. 0.271 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Instrument :
MSVOA_D
ClientSampleId :

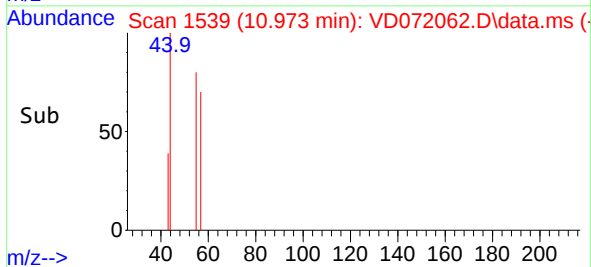
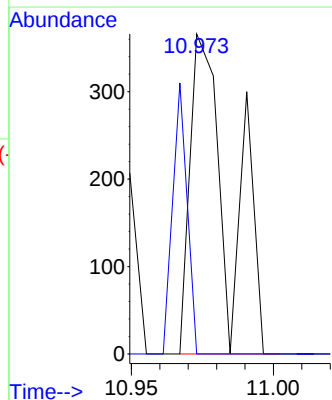
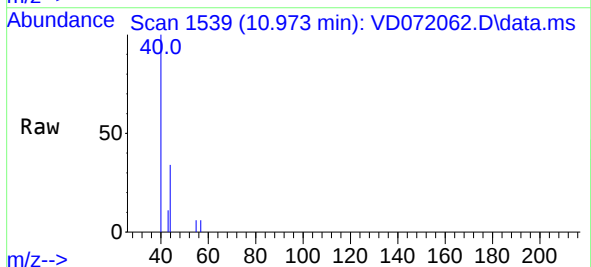


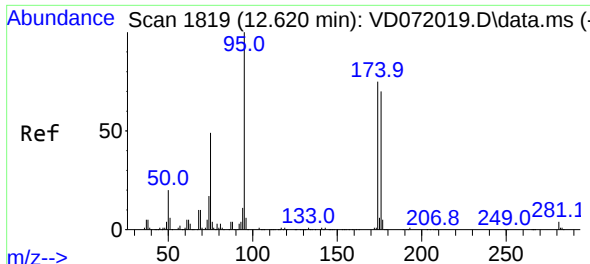
Tgt Ion: 43 Resp: 218
Ion Ratio Lower Upper
43 100
58 32.6 30.8 46.2



#59
2-Hexanone
Concen: 6.603 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

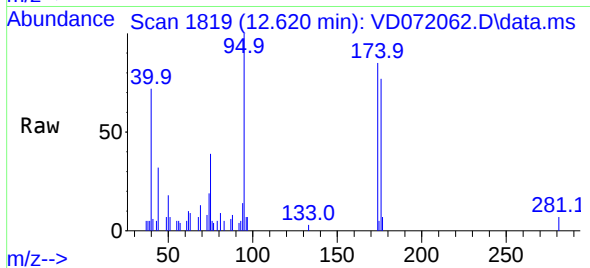
Tgt Ion: 43 Resp: 347
Ion Ratio Lower Upper
43 100
58 31.4 27.0 80.8



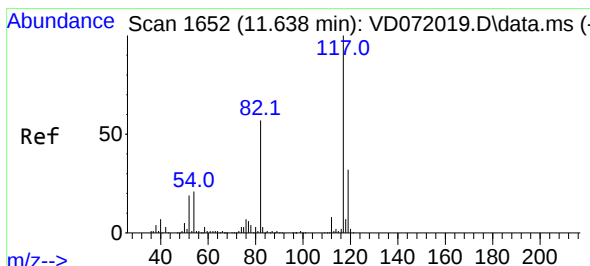
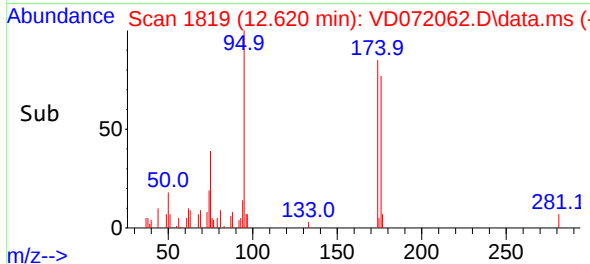
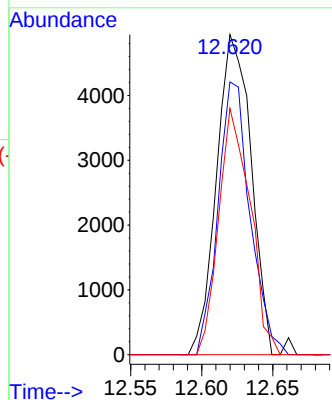


#62
4-Bromofluorobenzene
Concen: 55.107 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Instrument :
MSVOA_D
ClientSampleId :

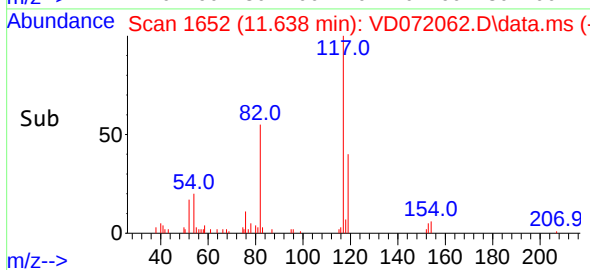
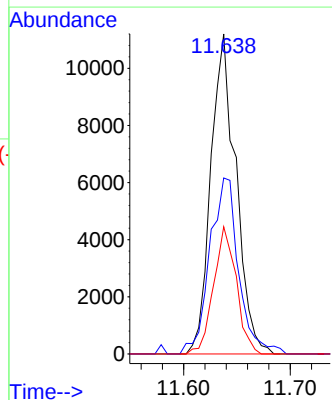
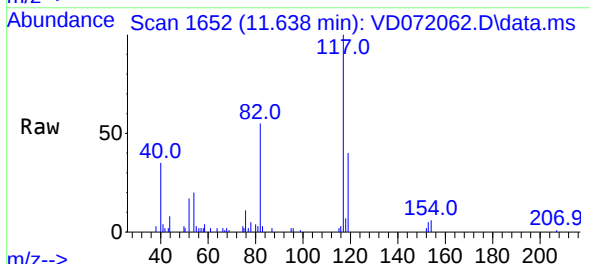


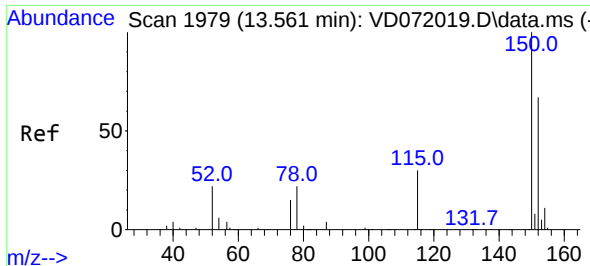
Tgt Ion: 95 Resp: 8343
Ion Ratio Lower Upper
95 100
174 79.2 0.0 155.0
176 70.1 0.0 148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Tgt Ion: 117 Resp: 18363
Ion Ratio Lower Upper
117 100
82 55.0 45.4 68.0
119 39.7 25.4 38.2#

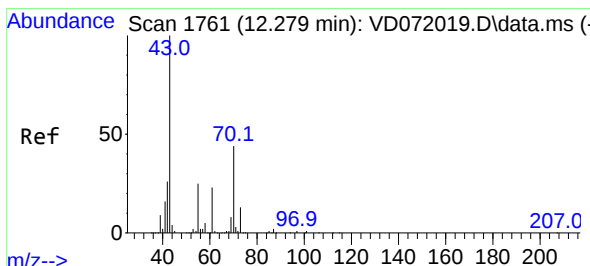
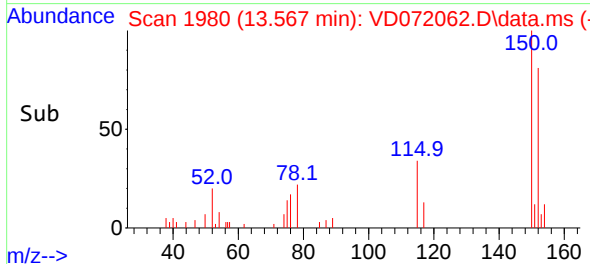
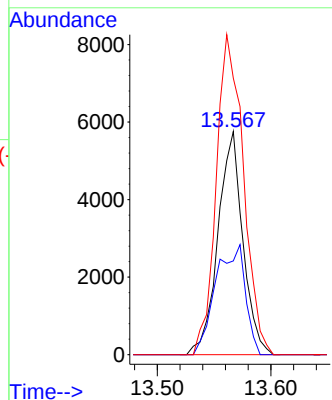
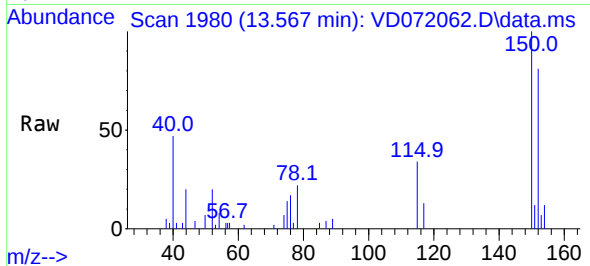




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

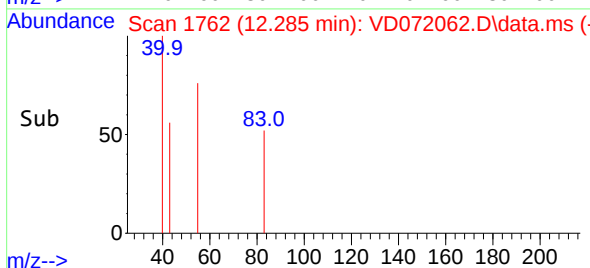
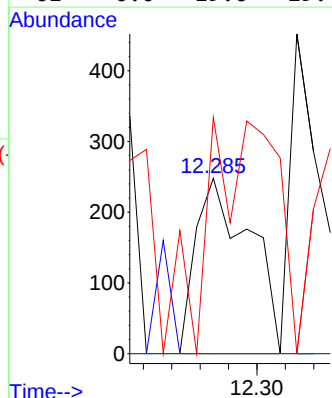
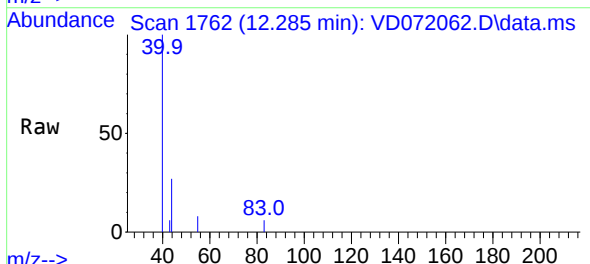
Instrument :
MSVOA_D
ClientSampleId :

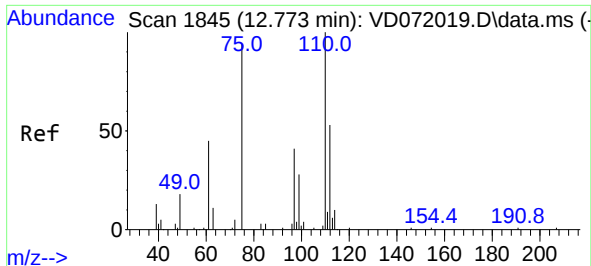
Tgt Ion:152 Resp: 8778
Ion Ratio Lower Upper
152 100
115 58.5 29.9 89.7
150 156.6 0.0 347.6



#74
N-ethyl acetate
Concen: 2.254 ug/l
RT: 12.285 min Scan# 1762
Delta R.T. 0.006 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

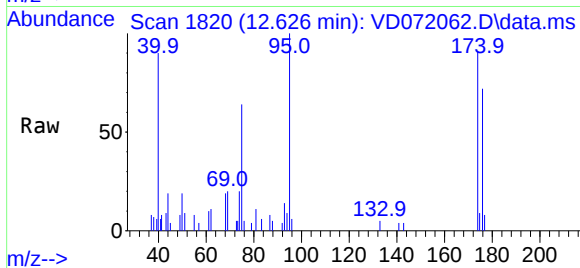
Tgt Ion: 43 Resp: 328
Ion Ratio Lower Upper
43 100
70 17.1 33.2 49.8#
55 154.6 20.6 30.8#
61 0.0 19.6 29.4#



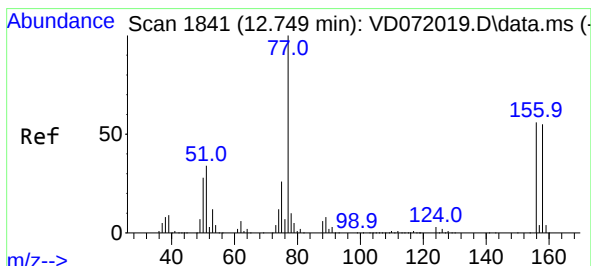
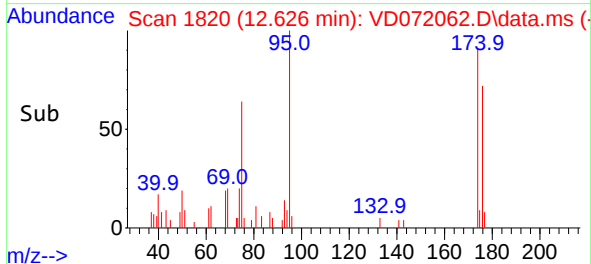
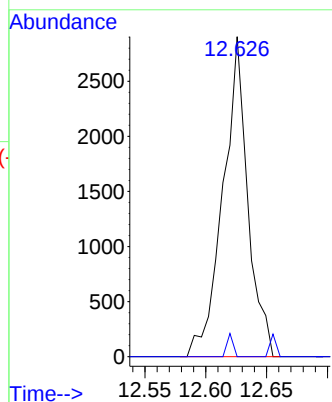


#76
1,2,3-Trichloropropane
Concen: 49.563 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Instrument :
MSVOA_D
ClientSampleId :

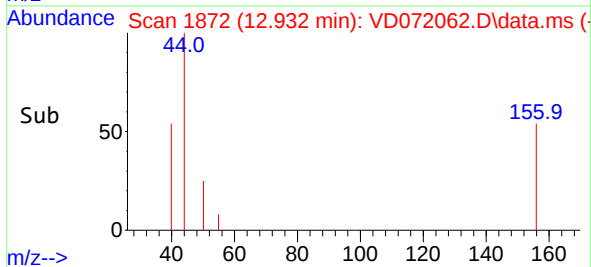
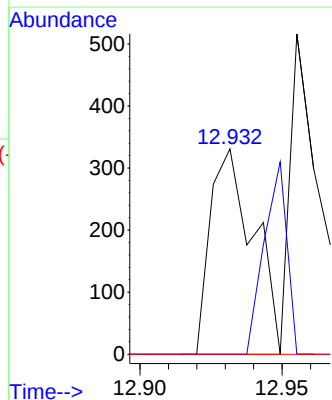
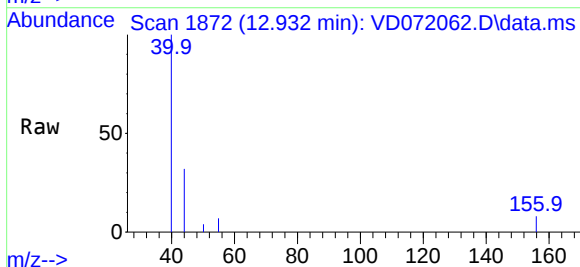


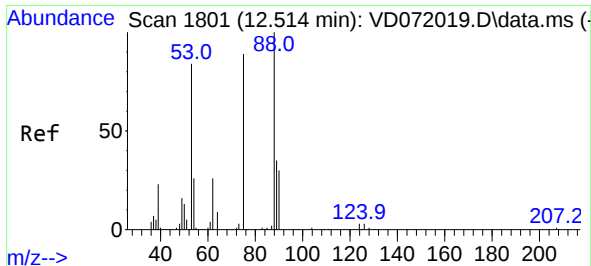
Tgt Ion: 75 Resp: 4121
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#77
Bromobenzene
Concen: 2.480 ug/l
RT: 12.932 min Scan# 1872
Delta R.T. 0.182 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

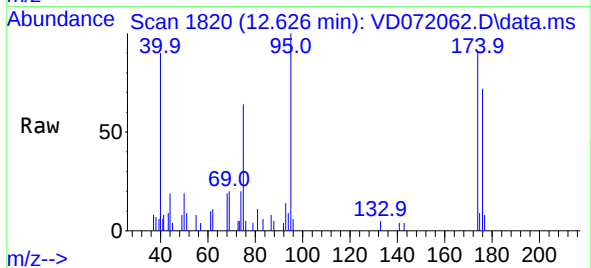
Tgt Ion: 156 Resp: 350
Ion Ratio Lower Upper
156 100
77 0.0 93.6 280.8#
158 0.0 47.7 143.1#



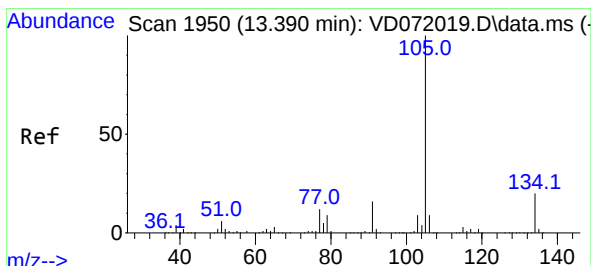
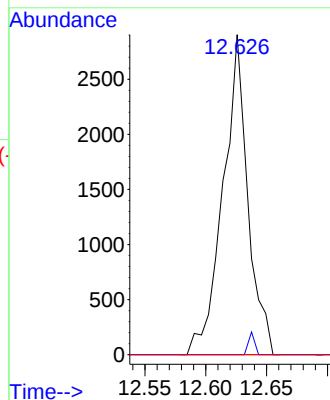
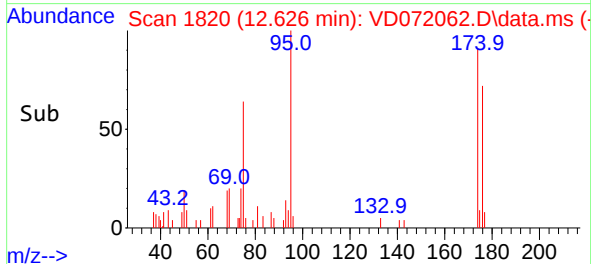


#81
trans-1,4-Dichloro-2-butene
Concen: 124.116 ug/l
RT: 12.626 min Scan# 1801
Delta R.T. 0.112 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Instrument :
MSVOA_D
ClientSampleId :

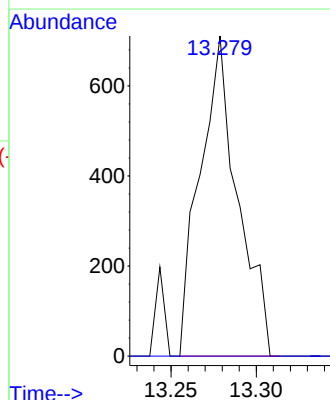
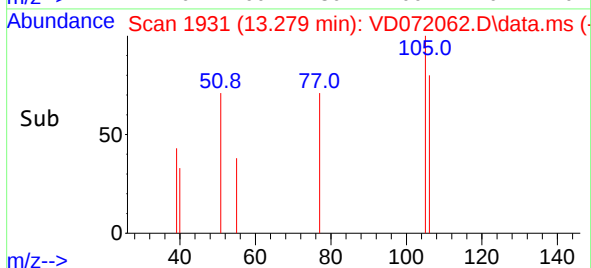
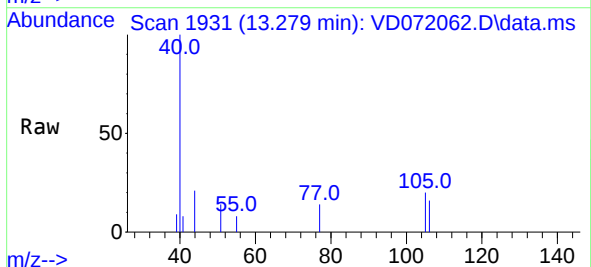


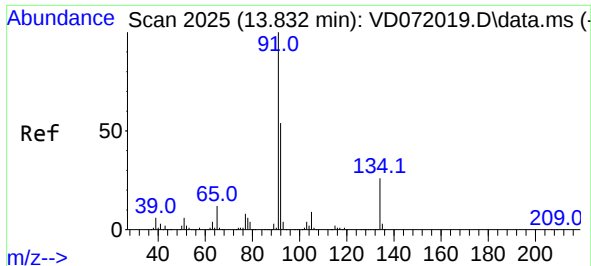
Tgt Ion: 75 Resp: 4121
Ion Ratio Lower Upper
75 100
53 1.8 80.2 120.4#
89 0.0 36.4 54.6#



#85
sec-Butylbenzene
Concen: 1.661 ug/l
RT: 13.279 min Scan# 1931
Delta R.T. -0.112 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Tgt Ion: 105 Resp: 1094
Ion Ratio Lower Upper
105 100
134 0.0 10.0 29.8#

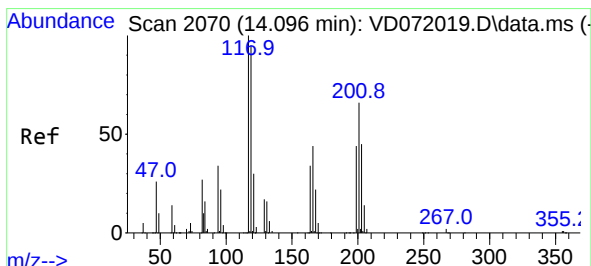
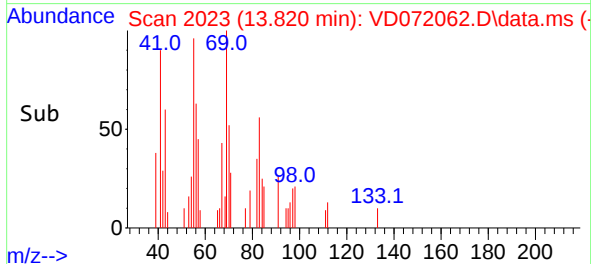
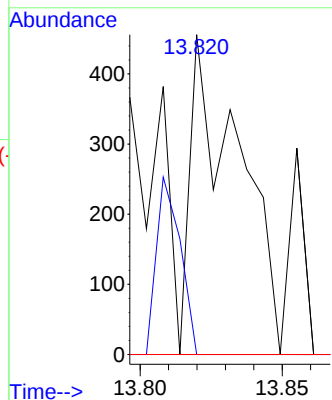
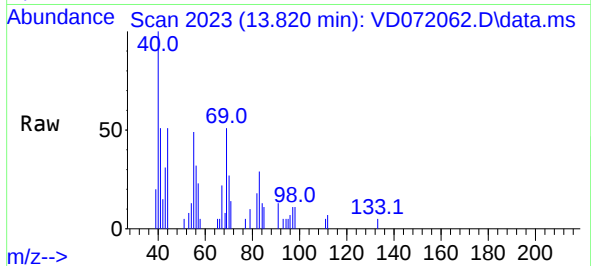




#89
n-Butylbenzene
Concen: 1.046 ug/l
RT: 13.820 min Scan# 2025
Delta R.T. -0.012 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

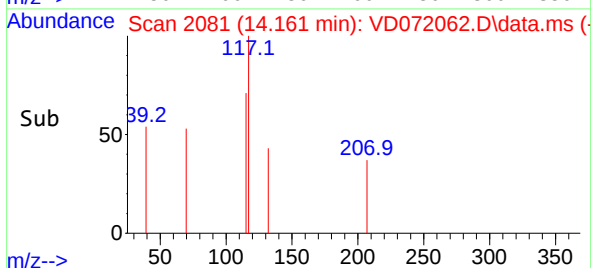
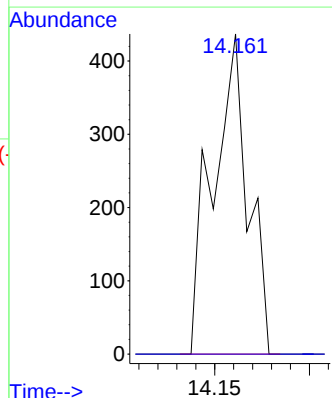
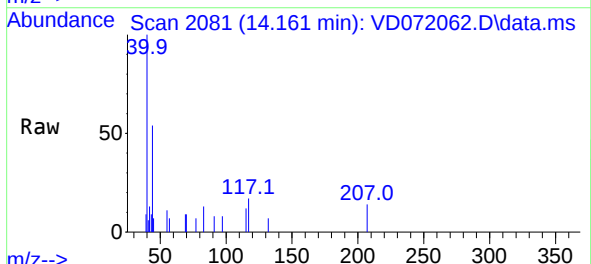
Instrument :
MSVOA_D
ClientSampleId :

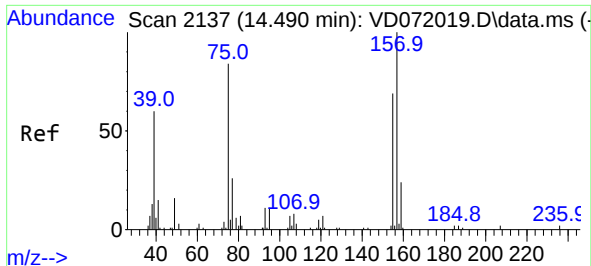
Tgt Ion: 91 Resp: 539
Ion Ratio Lower Upper
91 100
92 27.5 27.0 81.0
134 0.0 12.8 38.4#



#90
Hexachloroethane
Concen: 5.205 ug/l
RT: 14.161 min Scan# 2081
Delta R.T. 0.065 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

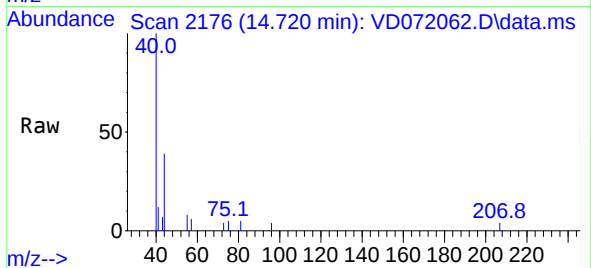
Tgt Ion: 117 Resp: 566
Ion Ratio Lower Upper
117 100
201 0.0 35.2 105.6#





#92
1,2-Dibromo-3-Chloropropane
Concen: 3.286 ug/l
RT: 14.720 min Scan# 21
Delta R.T. 0.229 min
Lab File: VD072062.D
Acq: 22 Feb 2022 17:29

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 61
Ion Ratio Lower Upper
75 100
155 0.0 40.5 121.5#
157 0.0 53.3 159.9#

