

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111221\
 Data File : VW020866.D
 Acq On : 12 Nov 2021 20:23
 Operator : SY/VA
 Sample : M4602-03
 Misc : 5.06g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 15 00:12:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111021S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 13 07:30:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.946	168	30962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	41470	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	30717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	9849	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	14203	55.471	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.940%	
35) Dibromofluoromethane	7.885	113	13211	56.983	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.960%	
50) Toluene-d8	10.323	98	41968	46.267	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.540%	
62) 4-Bromofluorobenzene	12.615	95	11007	33.634	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 67.260%	

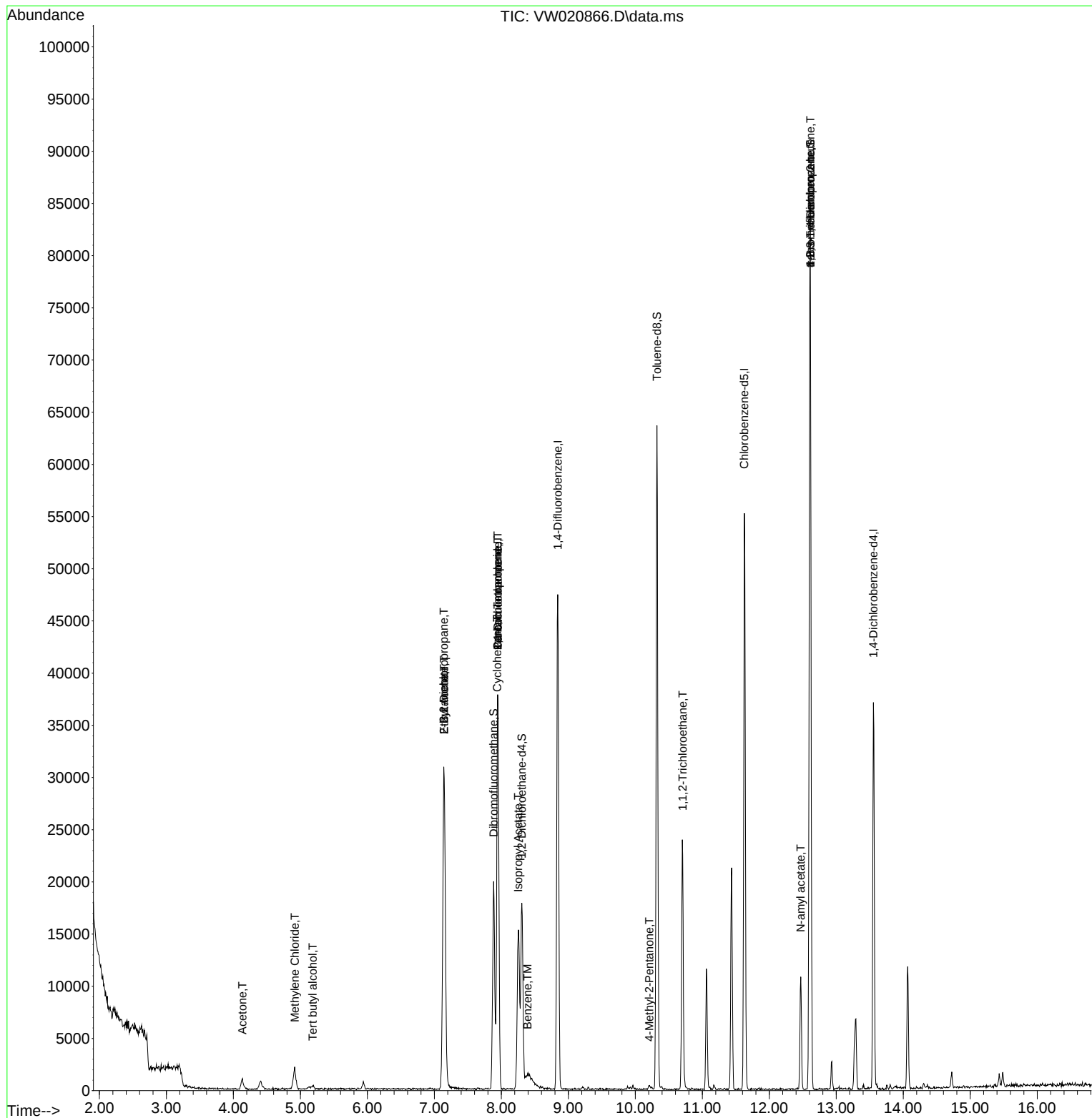
Target Compounds			Qvalue			
5) Bromomethane	2.629	94	48	Below Cal	#	2
11) Tert butyl alcohol	5.184	59	323	18.345	ug/l #	84
16) Acetone	4.135	43	1733	31.201	ug/l	95
20) Methylene Chloride	4.916	84	1443	3.489	ug/l	90
25) 2-Butanone	7.147	43	1747	20.422	ug/l #	48
26) 2,2-Dichloropropane	7.141	77	2012	7.036	ug/l #	53
31) Cyclohexane	7.939	56	637	1.387	ug/l #	55
36) 1,1-Dichloropropene	7.946	75	2137	6.234	ug/l #	46
37) Ethyl Acetate	7.147	43	1747	10.556	ug/l #	1
38) Carbon Tetrachloride	7.946	117	2747	7.651	ug/l #	17
40) Benzene	8.391	78	4155	4.529	ug/l	95
43) Isopropyl Acetate	8.250	43	426	1.354	ug/l #	26
51) 4-Methyl-2-Pentanone	10.207	43	460	2.753	ug/l #	74
55) 1,1,2-Trichloroethane	10.707	97	378	2.209	ug/l #	15
74) N-amyl acetate	12.469	43	262	1.786	ug/l #	32
76) 1,2,3-Trichloropropane	12.615	75	6068	80.130	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	6068	157.729	ug/l #	9

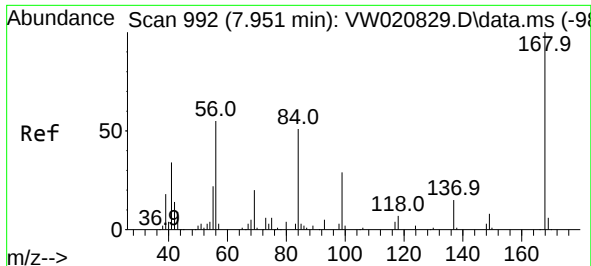
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

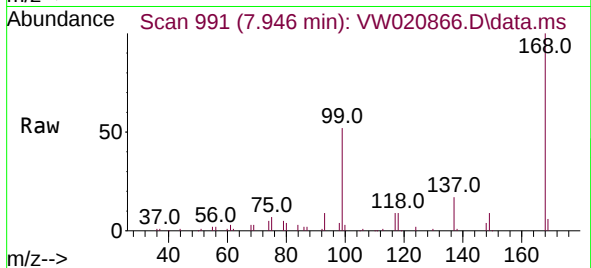
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111021S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 13 07:30:48 2021
Response via : Initial Calibration



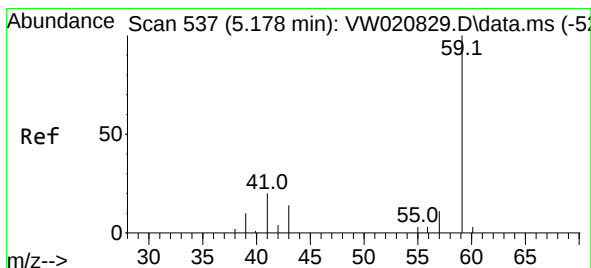
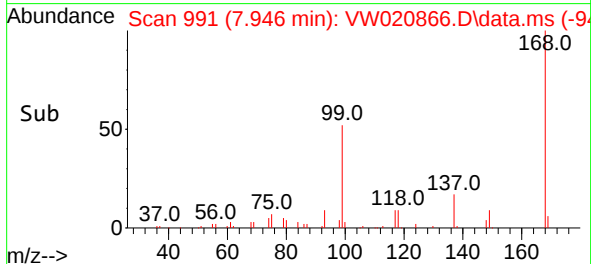
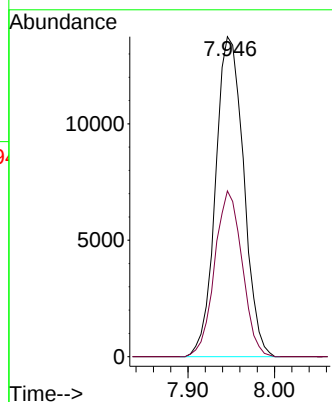


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.946 min Scan# 991
Delta R.T. -0.005 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

Instrument :
MSVOA_W
ClientSampleId :

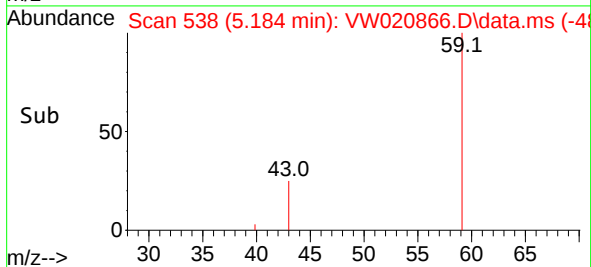
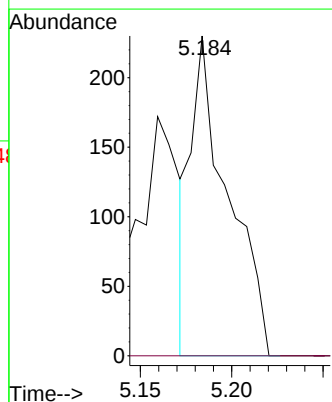
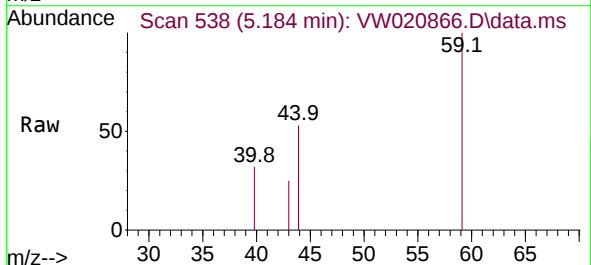


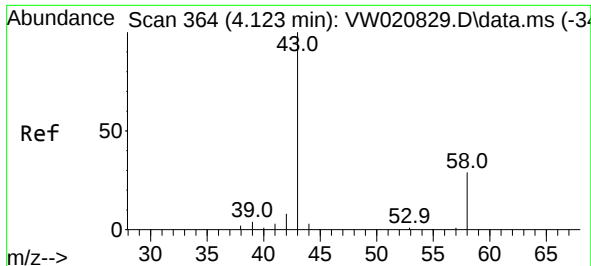
Tgt Ion:168 Resp: 30962
Ion Ratio Lower Upper
168 100
99 51.8 45.4 68.0



#11
Tert butyl alcohol
Concen: 18.345 ug/l
RT: 5.184 min Scan# 538
Delta R.T. 0.006 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

Tgt Ion: 59 Resp: 323
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

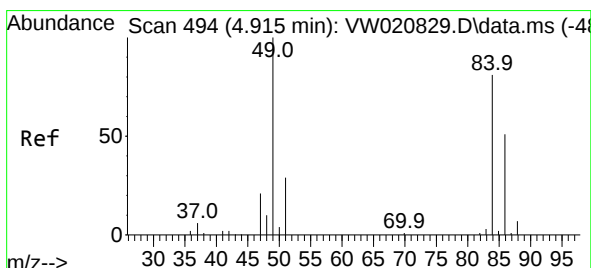
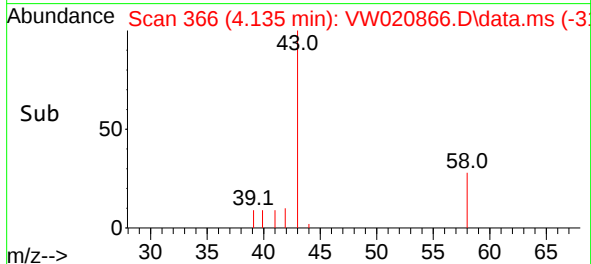
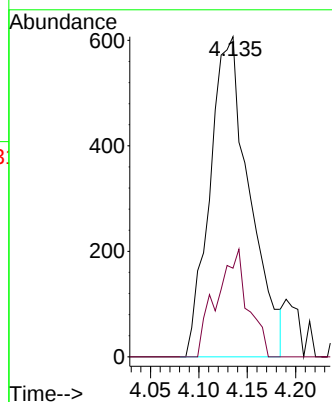
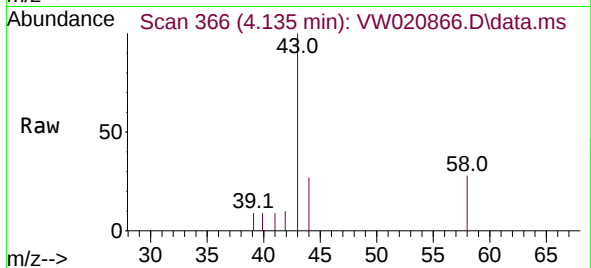




#16
Acetone
Concen: 31.201 ug/l
RT: 4.135 min Scan# 366
Delta R.T. 0.012 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

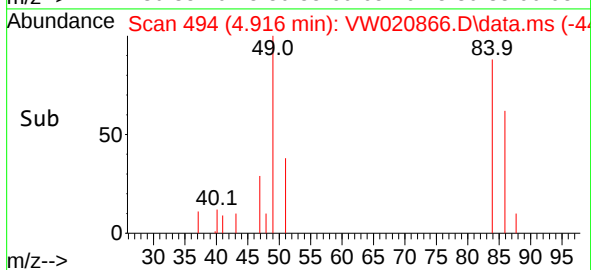
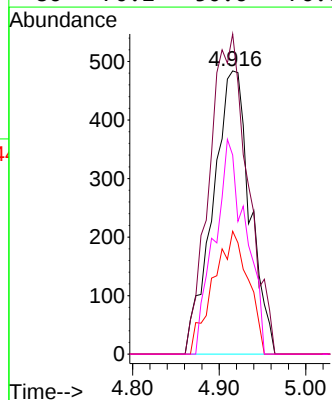
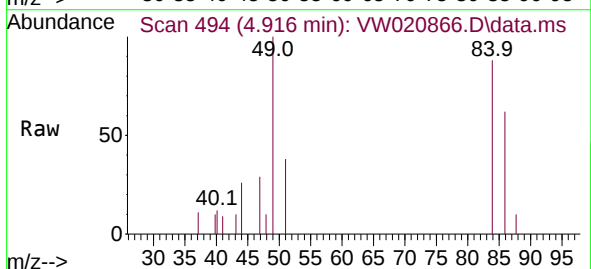
Instrument :
MSVOA_W
ClientSampleId :

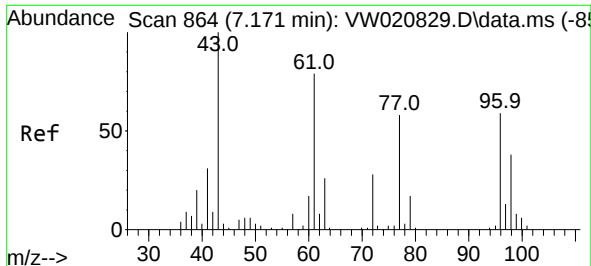
Tgt Ion: 43 Resp: 1733
Ion Ratio Lower Upper
43 100
58 27.7 24.2 36.2



#20
Methylene Chloride
Concen: 3.489 ug/l
RT: 4.916 min Scan# 494
Delta R.T. 0.001 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

Tgt Ion: 84 Resp: 1443
Ion Ratio Lower Upper
84 100
49 113.0 100.0 150.0
51 43.4 30.8 46.2
86 70.2 50.6 76.0

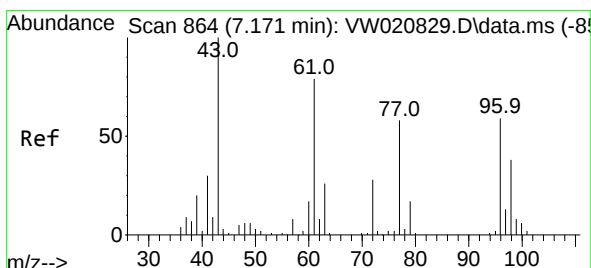
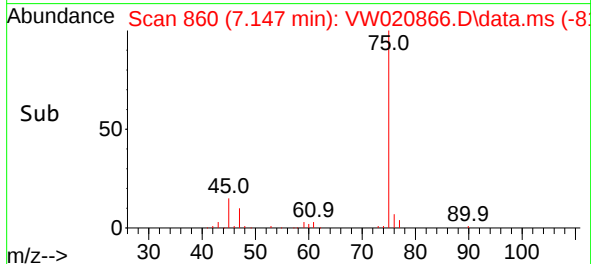
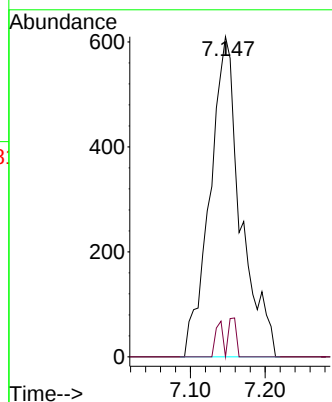
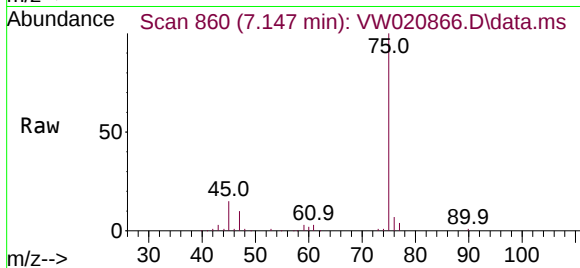




#25
2-Butanone
Concen: 20.422 ug/l
RT: 7.147 min Scan# 80
Delta R.T. -0.024 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

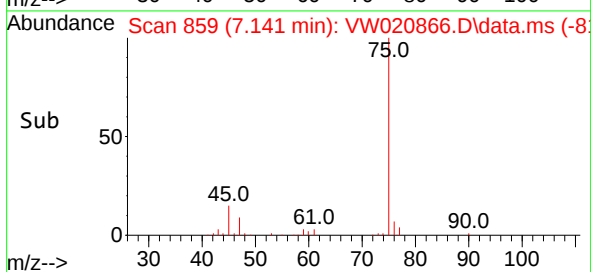
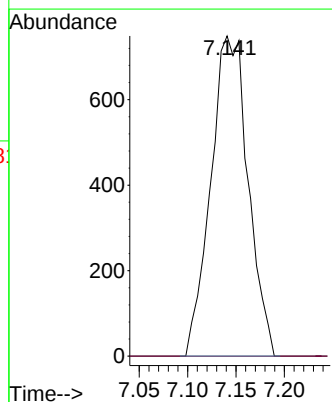
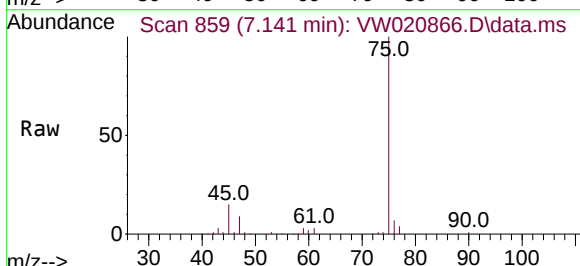
Instrument :
MSVOA_W
ClientSampleId :

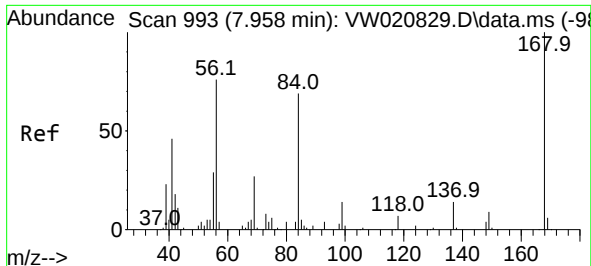
Tgt Ion: 43 Resp: 1747
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#26
2,2-Dichloropropane
Concen: 7.036 ug/l
RT: 7.141 min Scan# 859
Delta R.T. -0.030 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

Tgt Ion: 77 Resp: 2012
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

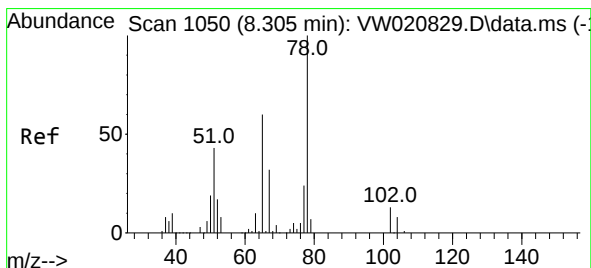
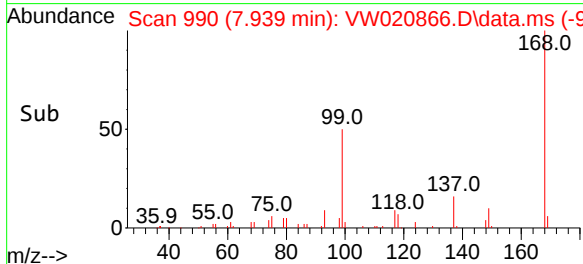
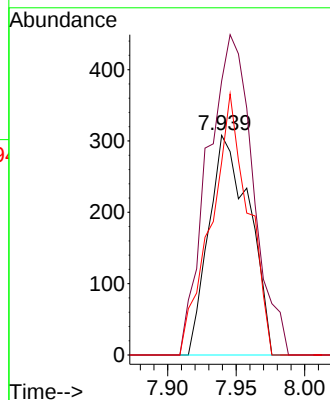
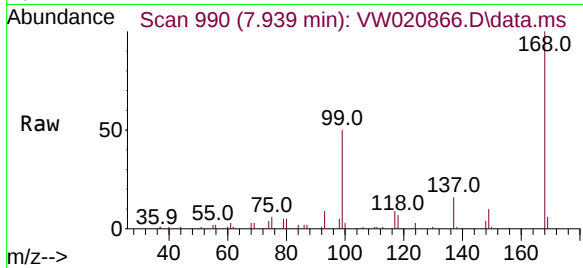




#31
Cyclohexane
Concen: 1.387 ug/l
RT: 7.939 min Scan# 993
Delta R.T. -0.018 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

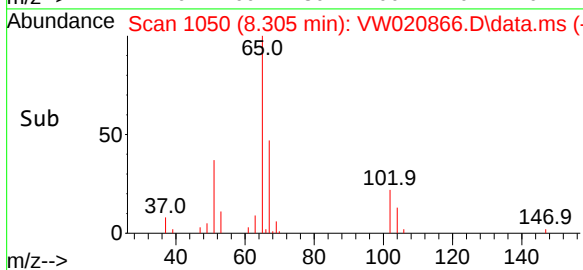
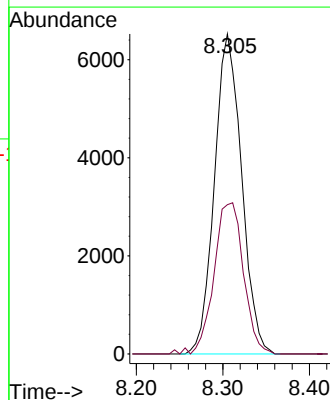
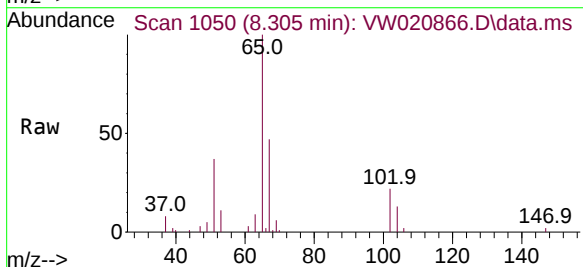
Instrument :
MSVOA_W
ClientSampleId :

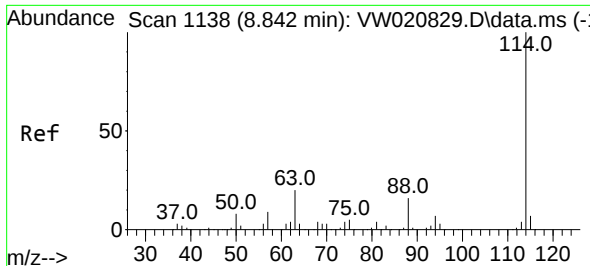
Tgt Ion: 56 Resp: 637
Ion Ratio Lower Upper
56 100
69 124.7 27.2 40.8#
84 87.7 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 55.471 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

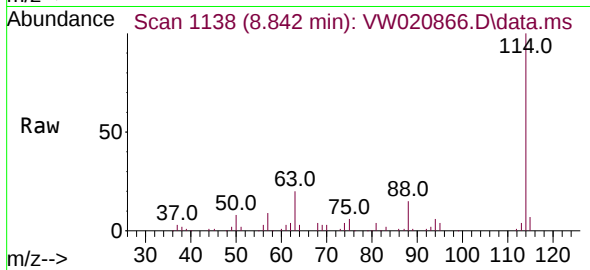
Tgt Ion: 65 Resp: 14203
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.2



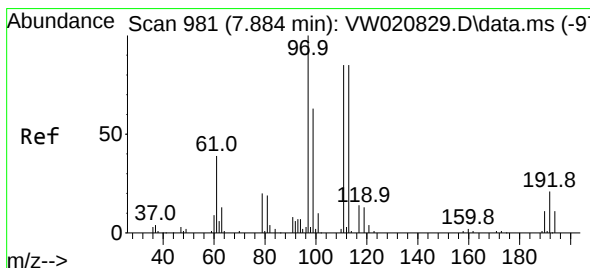
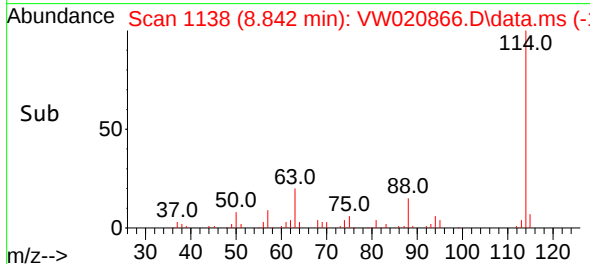
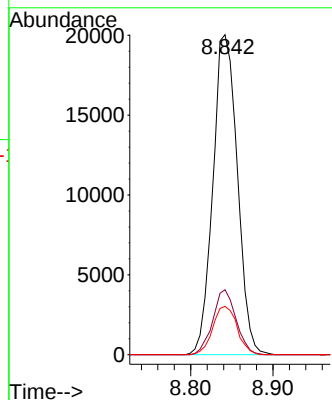


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. 0.000 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

Instrument :
MSVOA_W
ClientSampleId :

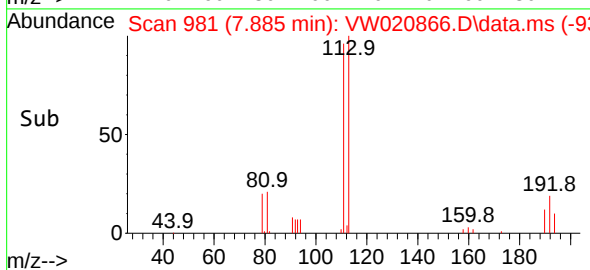
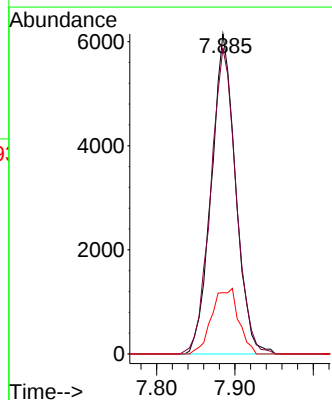
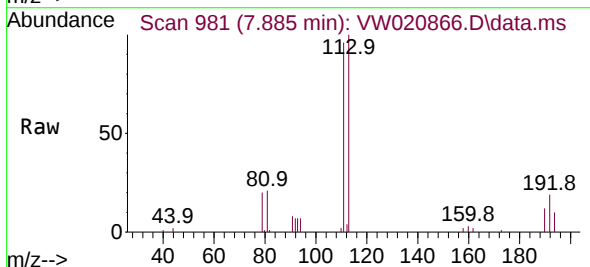


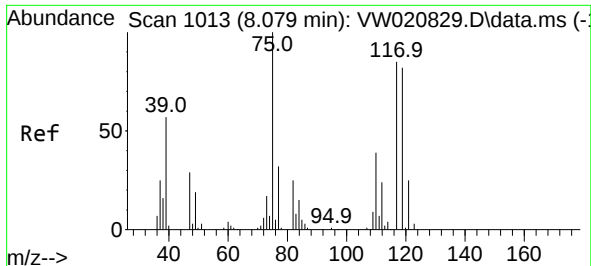
Tgt Ion:114 Resp: 41470
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.8
88 15.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 56.983 ug/l
RT: 7.885 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

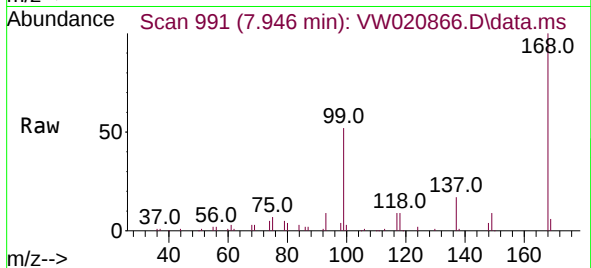
Tgt Ion:113 Resp: 13211
Ion Ratio Lower Upper
113 100
111 99.9 82.1 123.1
192 22.5 17.8 26.8



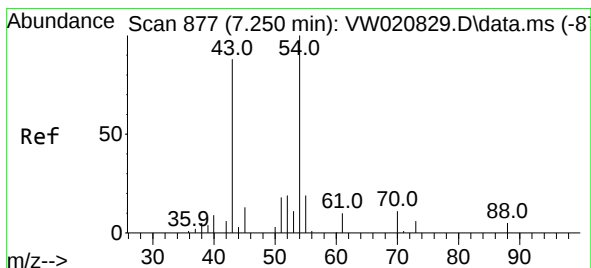
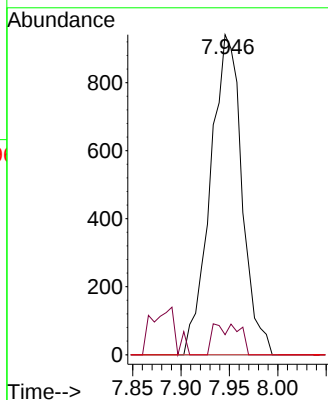
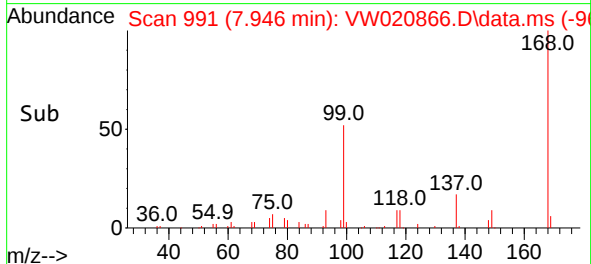


#36
 1,1-Dichloropropene
 Concen: 6.234 ug/l
 RT: 7.946 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VW020866.D
 Acq: 12 Nov 2021 20:23

Instrument :
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 ClientSampleId :

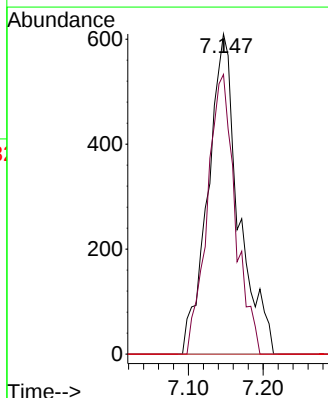
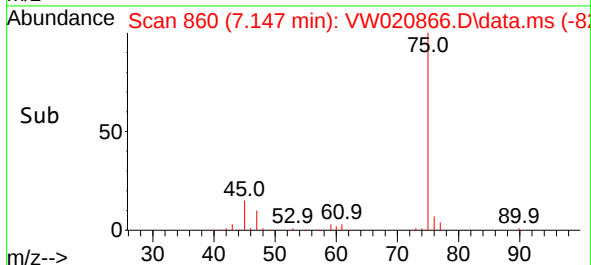
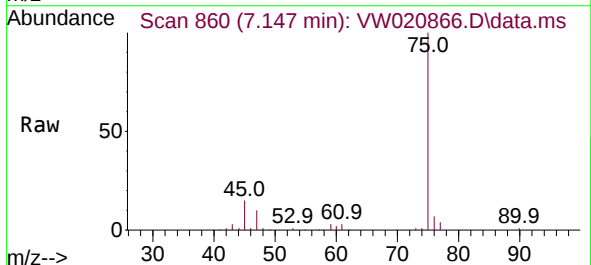


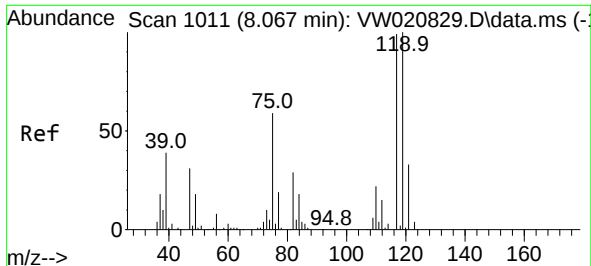
Tgt Ion: 75 Resp: 2137
 Ion Ratio Lower Upper
 75 100
 110 4.0 17.1 51.3#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 10.556 ug/l
 RT: 7.147 min Scan# 860
 Delta R.T. -0.104 min
 Lab File: VW020866.D
 Acq: 12 Nov 2021 20:23

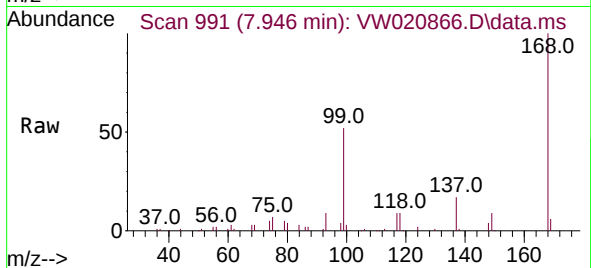
Tgt Ion: 43 Resp: 1747
 Ion Ratio Lower Upper
 43 100
 61 79.3 10.3 15.5#
 70 0.0 8.8 13.2#



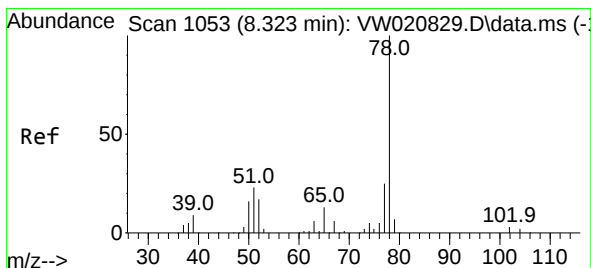
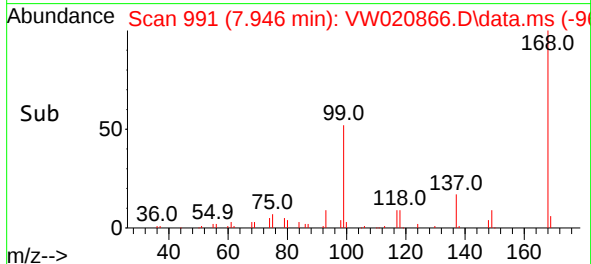
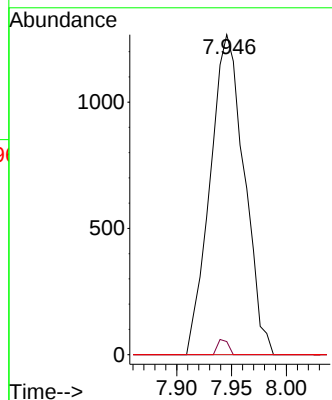


#38
Carbon Tetrachloride
Concen: 7.651 ug/l
RT: 7.946 min Scan# 91
Delta R.T. -0.122 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

Instrument :
MSVOA_W
ClientSampleId :

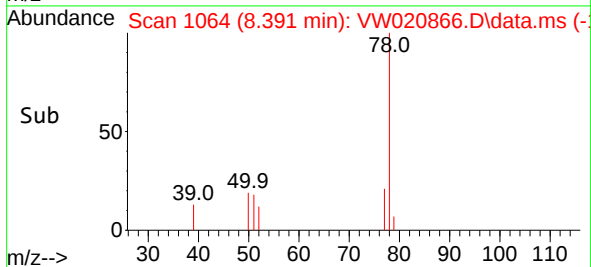
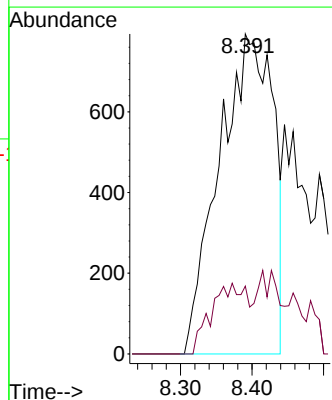
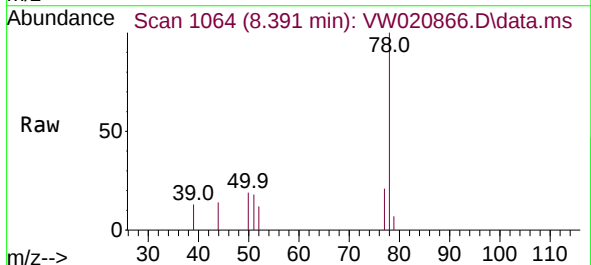


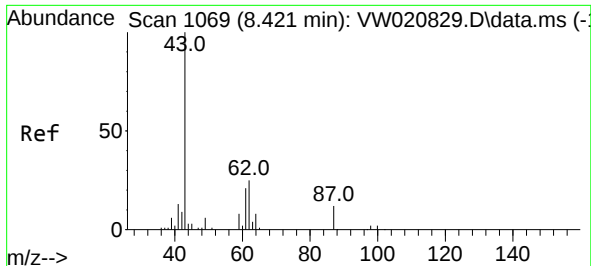
Tgt Ion:117 Resp: 2747
Ion Ratio Lower Upper
117 100
119 4.1 72.9 109.3#
121 0.0 23.4 35.0#



#40
Benzene
Concen: 4.529 ug/l
RT: 8.391 min Scan# 1064
Delta R.T. 0.067 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

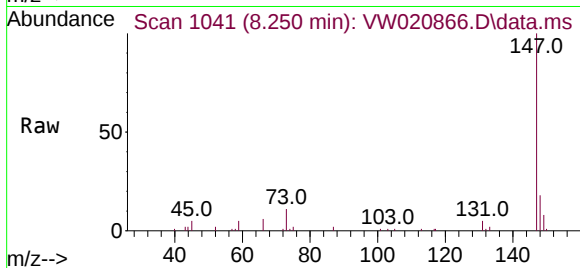
Tgt Ion: 78 Resp: 4155
Ion Ratio Lower Upper
78 100
77 21.2 19.0 28.6



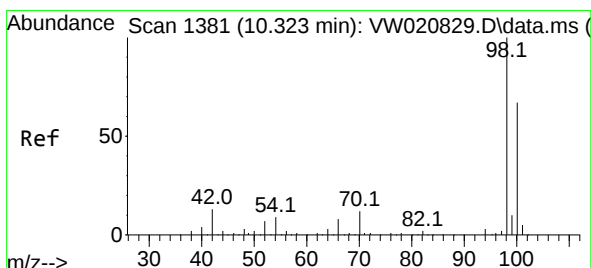
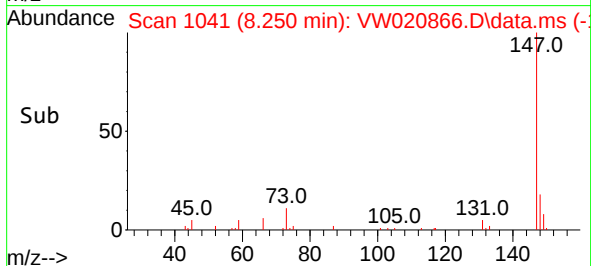
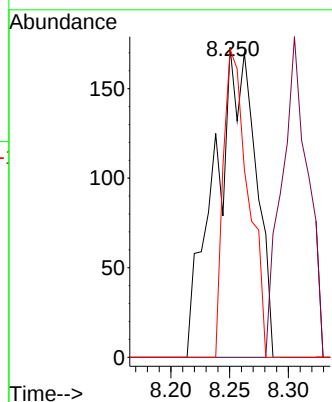


#43
Isopropyl Acetate
Concen: 1.354 ug/l
RT: 8.250 min Scan# 1041
Delta R.T. -0.171 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

Instrument :
MSVOA_W
ClientSampleId :

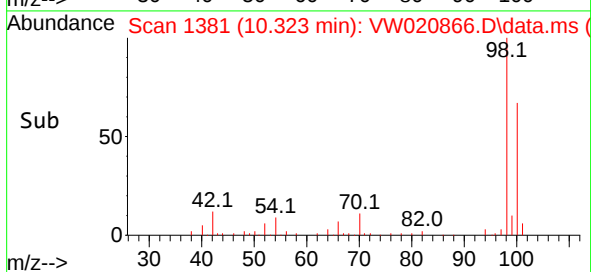
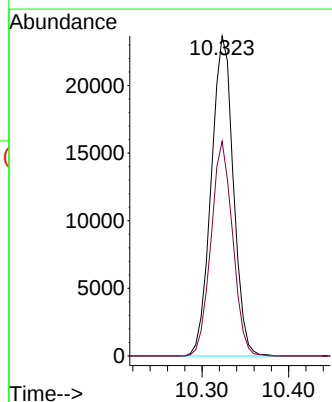
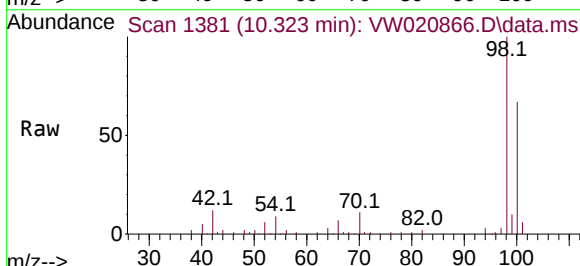


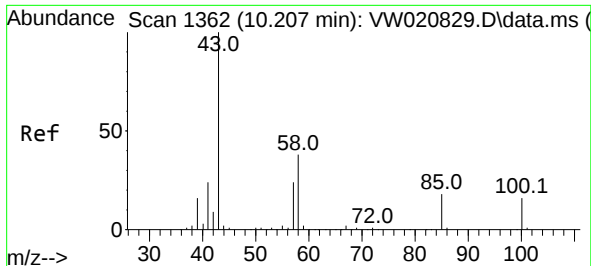
Tgt Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 59.4 10.4 15.6#



#50
Toluene-d8
Concen: 46.267 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

Tgt Ion: 98 Resp: 41968
Ion Ratio Lower Upper
98 100
100 65.6 53.2 79.8

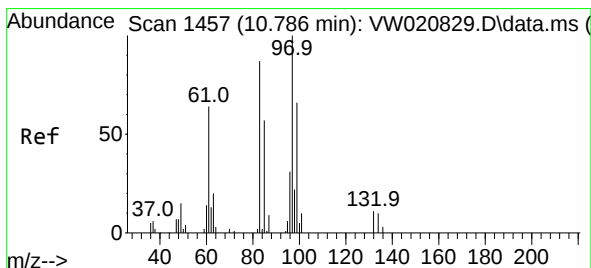
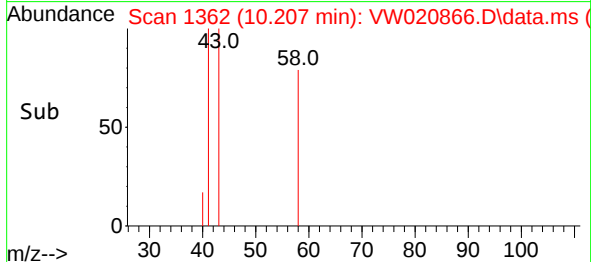
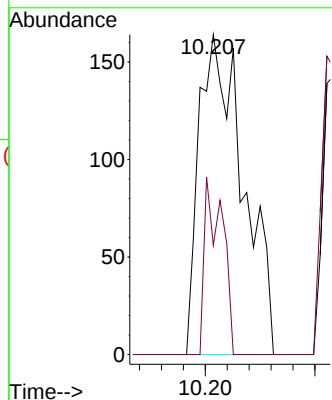
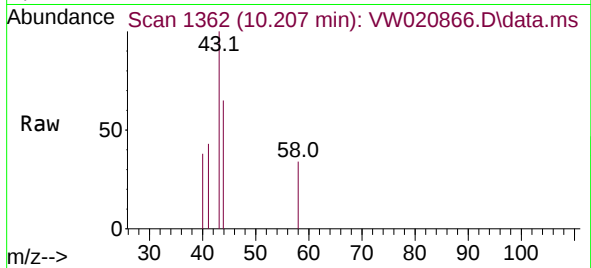




#51
4-Methyl-2-Pentanone
Concen: 2.753 ug/l
RT: 10.207 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

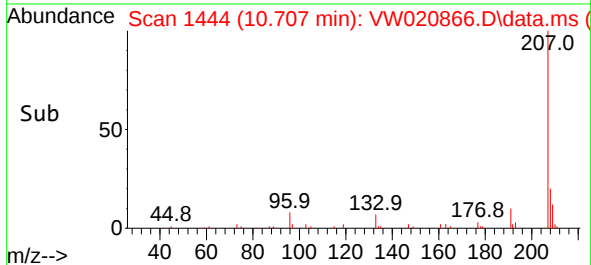
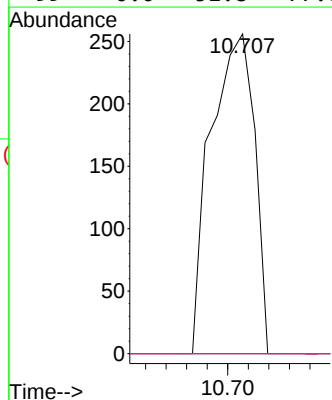
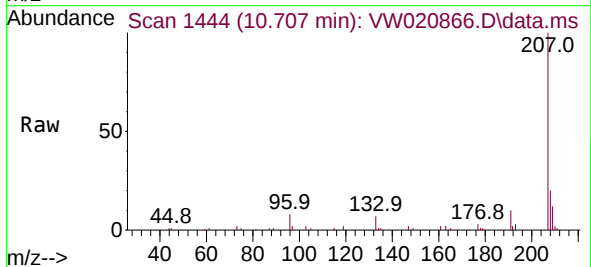
Instrument :
MSVOA_W
ClientSampleId :

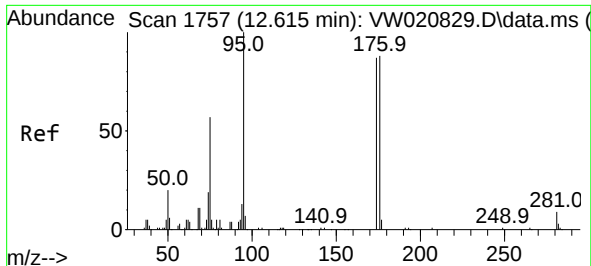
Tgt Ion: 43 Resp: 460
Ion Ratio Lower Upper
43 100
58 22.6 30.6 46.0#



#55
1,1,2-Trichloroethane
Concen: 2.209 ug/l
RT: 10.707 min Scan# 1444
Delta R.T. -0.079 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

Tgt Ion: 97 Resp: 378
Ion Ratio Lower Upper
97 100
83 0.0 69.0 103.4#
85 0.0 44.3 66.5#
99 0.0 51.8 77.6#

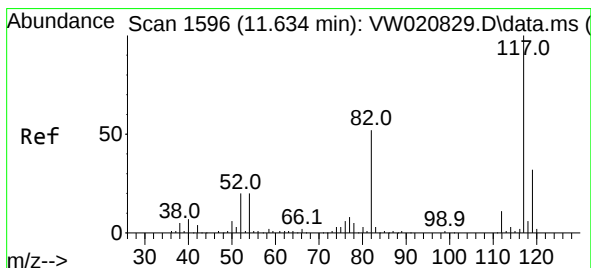
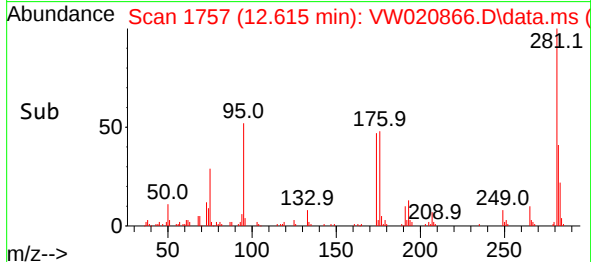
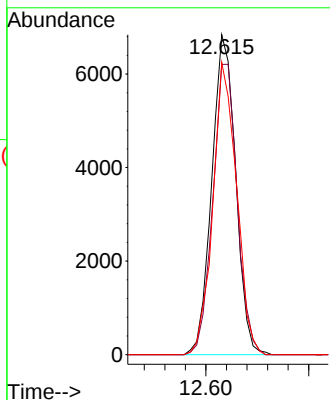
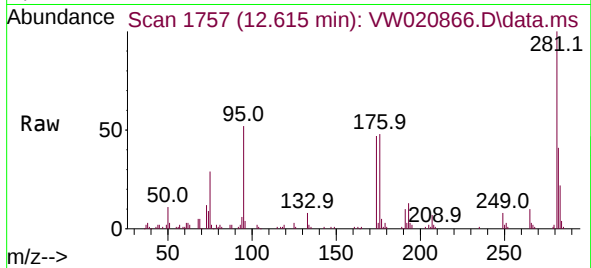




#62
4-Bromofluorobenzene
Concen: 33.634 ug/l
RT: 12.615 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

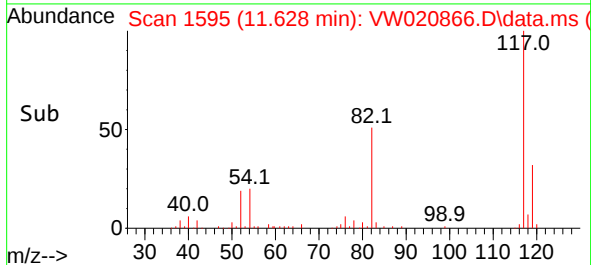
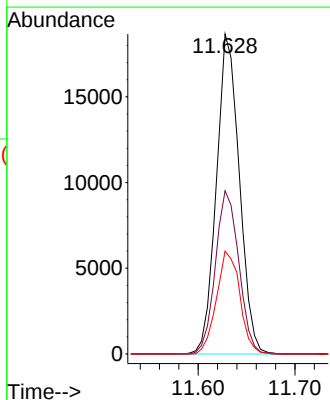
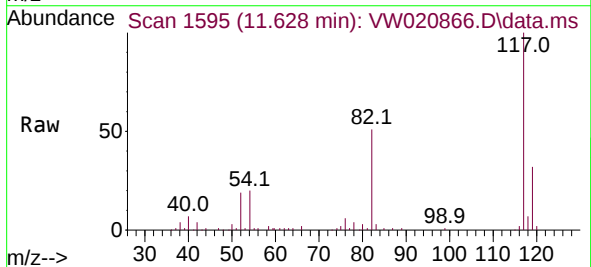
Instrument :
MSVOA_W
ClientSampleId :

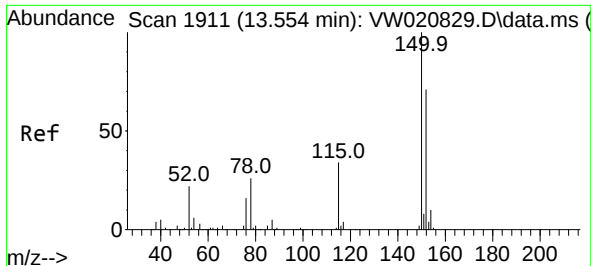
Tgt Ion: 95 Resp: 11007
Ion Ratio Lower Upper
95 100
174 92.5 0.0 166.4
176 90.7 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.628 min Scan# 1595
Delta R.T. -0.006 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

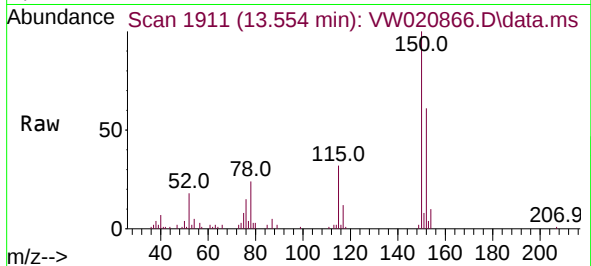
Tgt Ion: 117 Resp: 30717
Ion Ratio Lower Upper
117 100
82 51.0 45.6 68.4
119 32.2 25.0 37.4



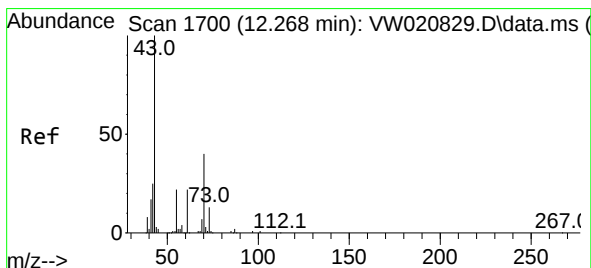
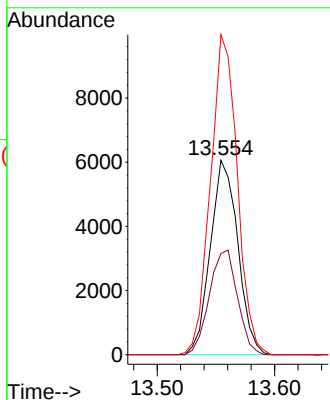
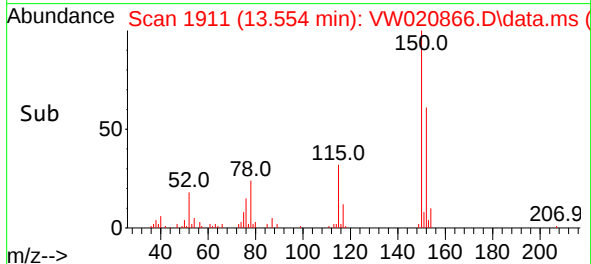


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.554 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

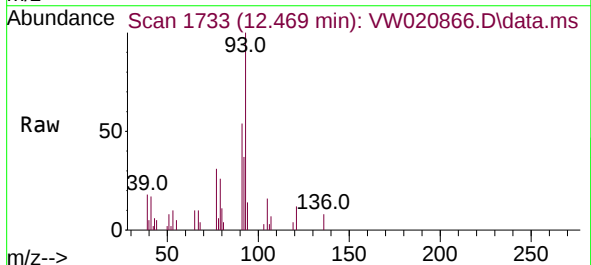
Instrument :
MSVOA_W
ClientSampleId :



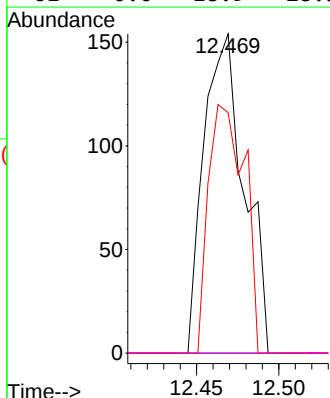
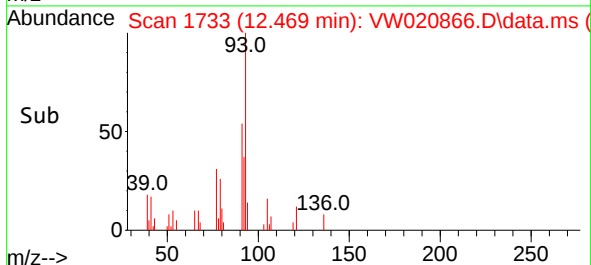
Tgt Ion:152 Resp: 9849
Ion Ratio Lower Upper
152 100
115 54.9 29.6 88.9
150 160.5 0.0 352.6

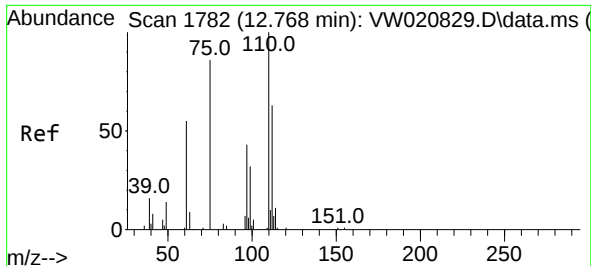


#74
N-ethyl acetate
Concen: 1.786 ug/l
RT: 12.469 min Scan# 1733
Delta R.T. 0.201 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23



Tgt Ion: 43 Resp: 262
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 70.2 20.1 30.1#
61 0.0 18.9 28.3#

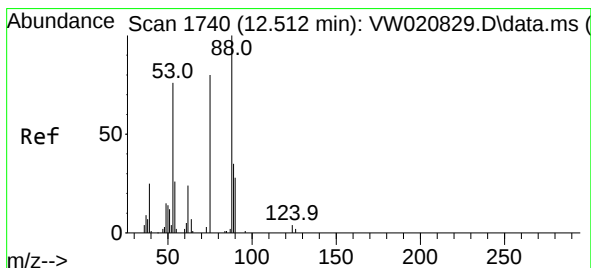
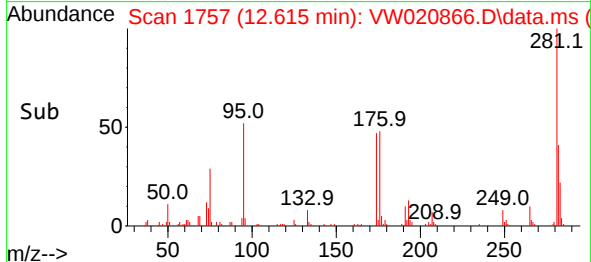
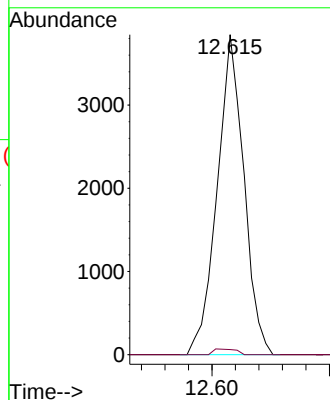
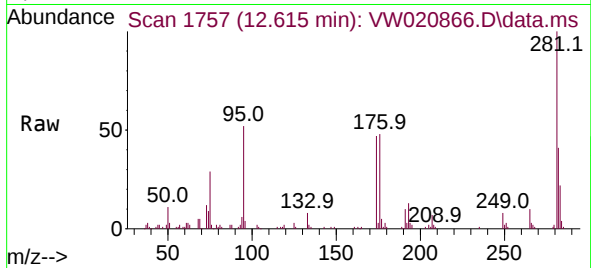




#76
1,2,3-Trichloropropane
Concen: 80.130 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.152 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 6068
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 157.729 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.104 min
Lab File: VW020866.D
Acq: 12 Nov 2021 20:23

Tgt Ion: 75 Resp: 6068
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 1.9 36.7 55.1#

