

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122320\
 Data File : VW017708.D
 Acq On : 23 Dec 2020 13:33
 Operator : SY/VA
 Sample : L5188-01
 Misc : 6.55G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-122220

Quant Time: Dec 24 01:35:48 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 14 12:39:23 2020
 Response via : Initial Calibration

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

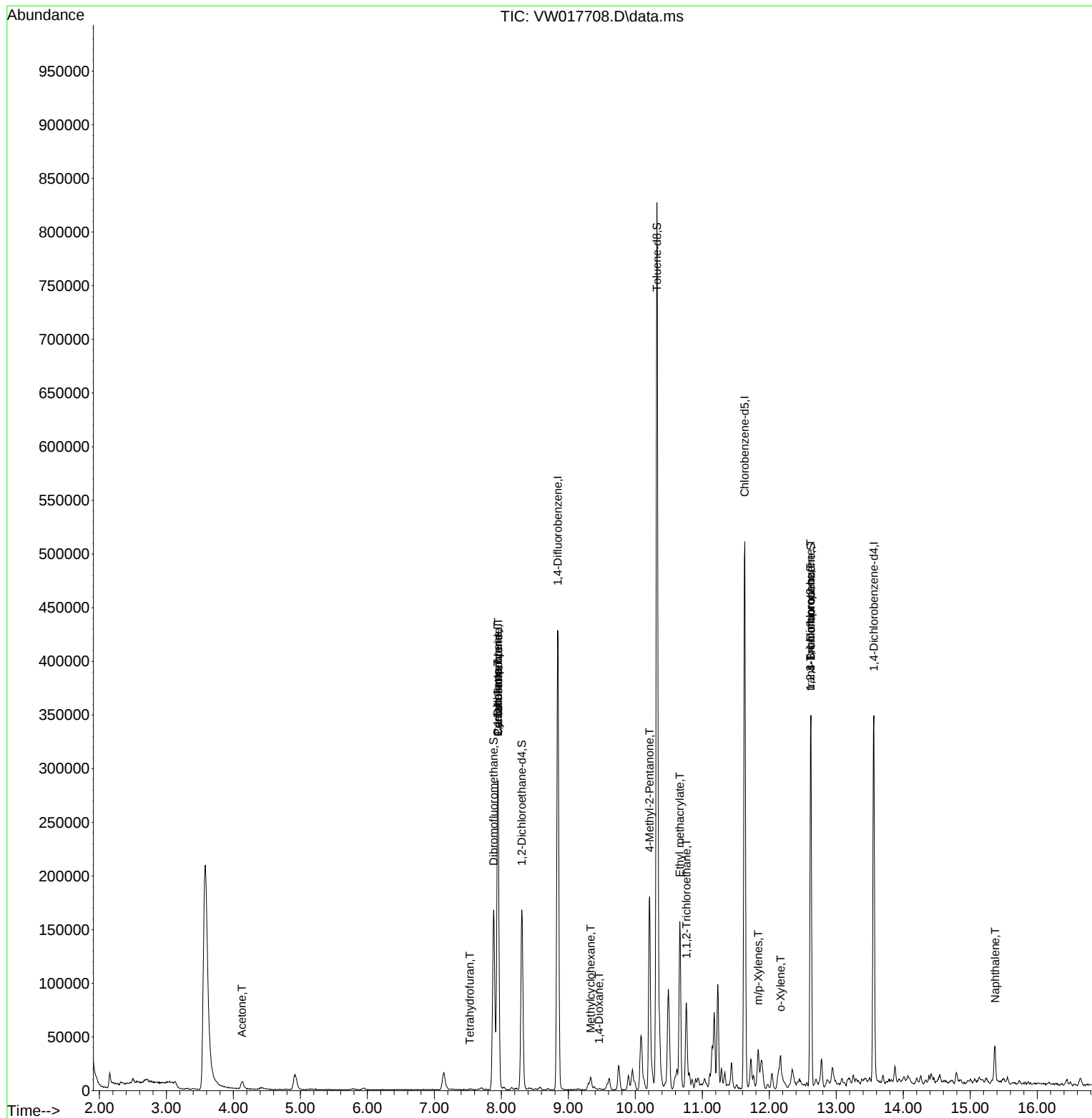
Internal Standards						
1) Pentafluorobenzene	7.952	168	208227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	357319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	275449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	83031	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	131576	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
35) Dibromofluoromethane	7.885	113	113644	48.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.12%	
50) Toluene-d8	10.323	98	432984	47.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.06%	
62) 4-Bromofluorobenzene	12.621	95	111155	33.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.64%	
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.184	59	519	Below Cal	#	82
16) Acetone	4.129	43	13281	24.06	ug/l #	85
20) Methylene Chloride	4.922	84	12092	Below Cal		92
26) 2,2-Dichloropropane	7.147	77	1273	Below Cal	#	50
29) Tetrahydrofuran	7.531	42	541	1.31	ug/l #	77
31) Cyclohexane	7.945	56	6330	1.45	ug/l #	53
36) 1,1-Dichloropropene	7.945	75	18322	4.90	ug/l #	47
38) Carbon Tetrachloride	7.952	117	22311	5.93	ug/l #	14
39) Methylcyclohexane	9.335	83	5075	1.07	ug/l	89
49) 1,4-Dioxane	9.457	88	64	3.78	ug/l #	16
51) 4-Methyl-2-Pentanone	10.213	43	118122	80.92	ug/l	95
55) 1,1,2-Trichloroethane	10.762	97	31382	17.15	ug/l #	23
56) Ethyl methacrylate	10.665	69	15507	6.56	ug/l #	1
68) m/p-Xylenes	11.835	106	9426	2.25	ug/l	99
69) o-Xylene	12.170	106	7067	1.79	ug/l	90
76) 1,2,3-Trichloropropane	12.615	75	62863	78.65	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.615	75	62863	159.35	ug/l #	11
95) Naphthalene	15.371	128	29313	8.99	ug/l	98

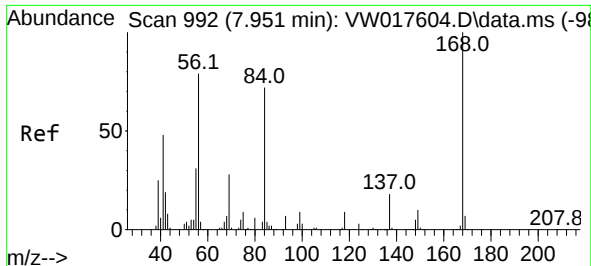
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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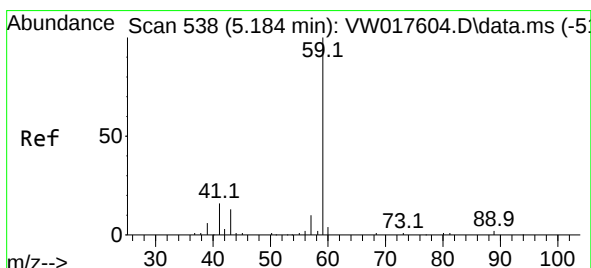
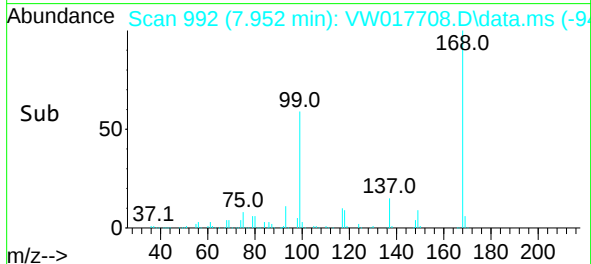
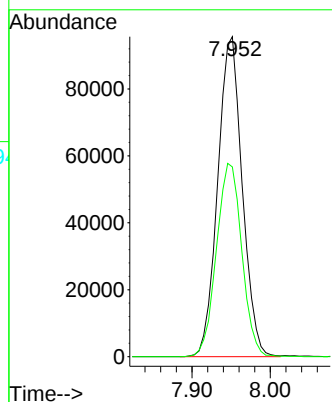
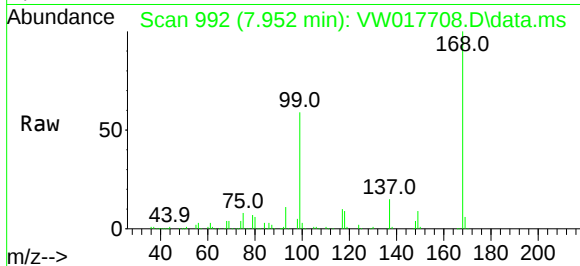




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

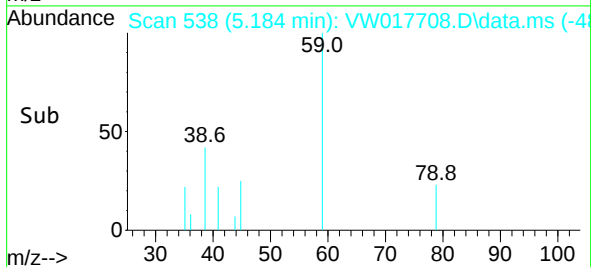
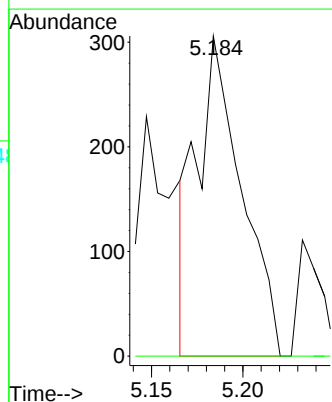
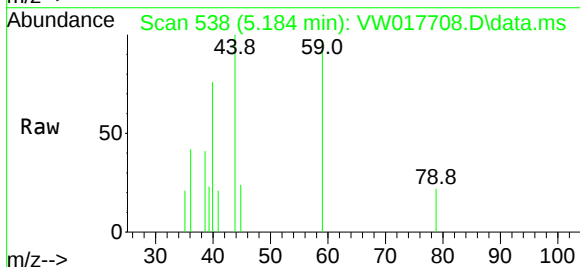
Instrument :
MSVOA_W
ClientSampleId :
NB-08-122220

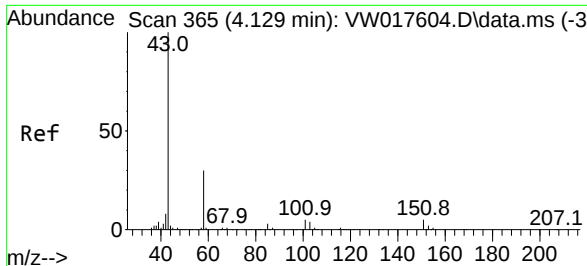
Tgt Ion:168 Resp: 208227
Ion Ratio Lower Upper
168 100
99 59.3 40.7 61.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.184 min Scan# 538
Delta R.T. -0.000 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

Tgt Ion: 59 Resp: 519
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#

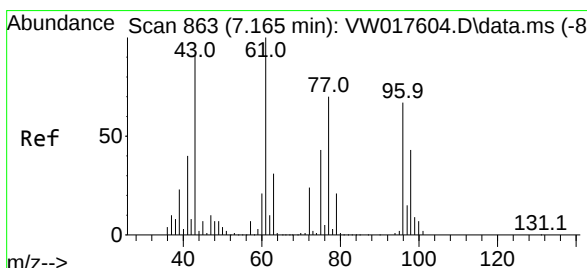
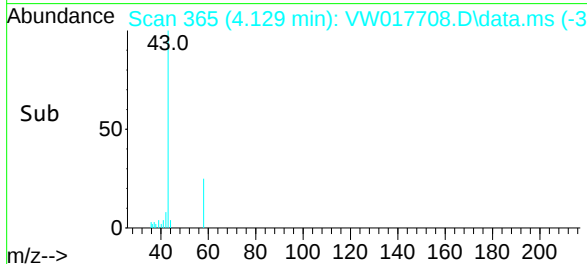
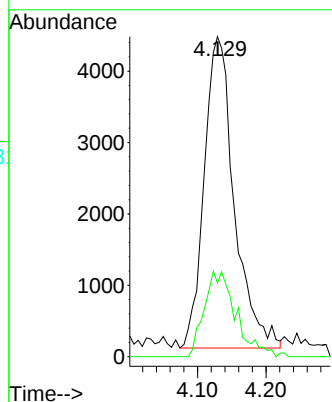
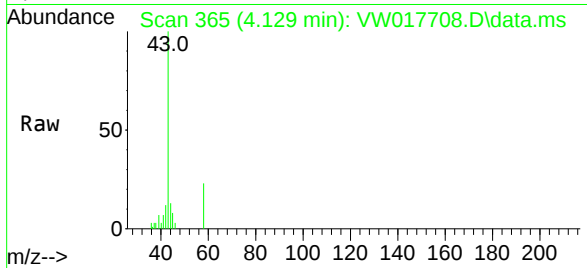




#16
Acetone
Concen: 24.06 ug/l
RT: 4.129 min Scan# 365
Delta R.T. 0.000 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

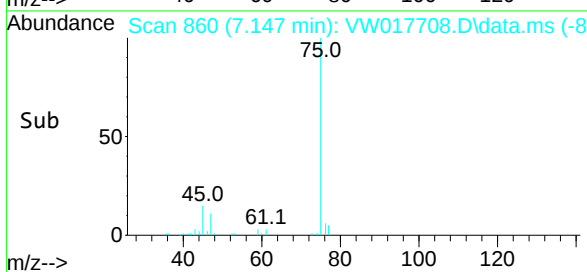
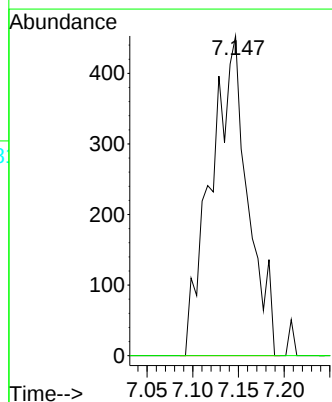
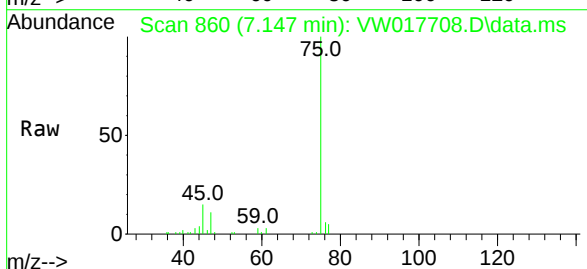
Instrument :
MSVOA_W
ClientSampled :
NB-08-122220

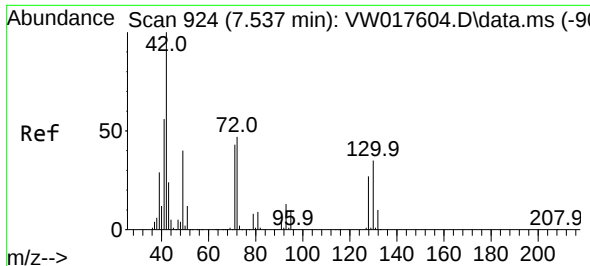
Tgt Ion: 43 Resp: 13281
Ion Ratio Lower Upper
43 100
58 23.7 25.7 38.5#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.147 min Scan# 860
Delta R.T. -0.018 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

Tgt Ion: 77 Resp: 1273
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#





#29

Tetrahydrofuran

Concen: 1.31 ug/l

RT: 7.531 min Scan# 923

Delta R.T. -0.006 min

Lab File: VW017708.D

Acq: 23 Dec 2020 13:33

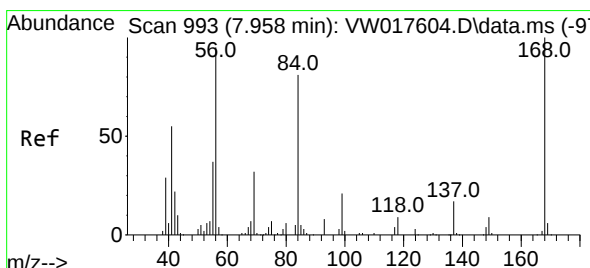
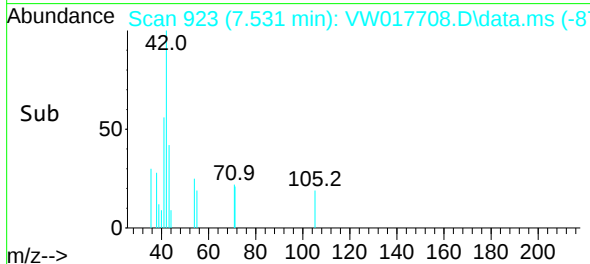
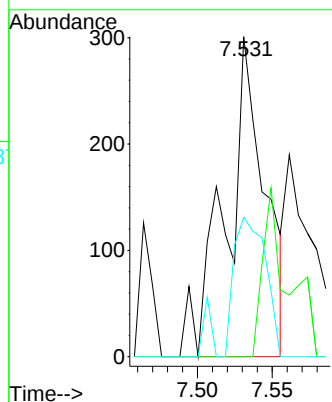
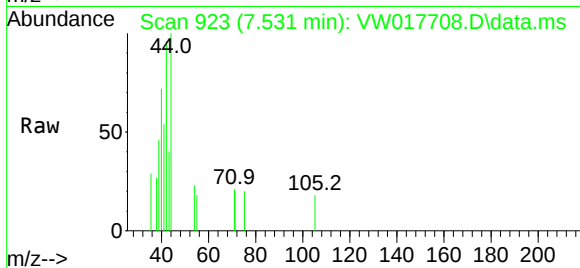
Instrument :

MSVOA_W

ClientSampleId :

NB-08-122220

Tgt Ion:	42	Resp:	541
Ion	Ratio	Lower	Upper
42	100		
72	34.4	42.0	63.0#
71	35.7	39.0	58.6#



#31

Cyclohexane

Concen: 1.45 ug/l

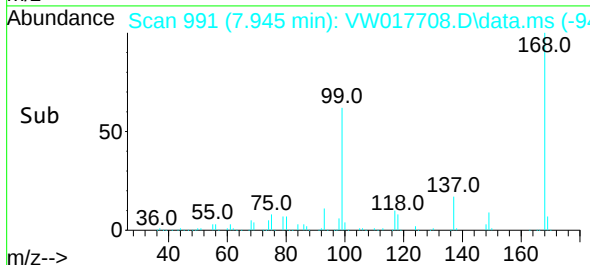
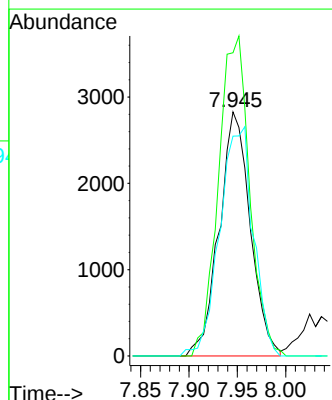
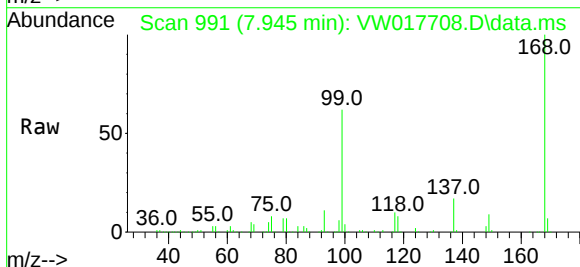
RT: 7.945 min Scan# 991

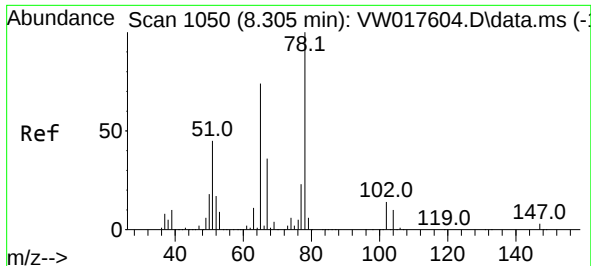
Delta R.T. -0.013 min

Lab File: VW017708.D

Acq: 23 Dec 2020 13:33

Tgt Ion:	56	Resp:	6330
Ion	Ratio	Lower	Upper
56	100		
69	124.2	29.3	43.9#
84	90.1	80.5	120.7

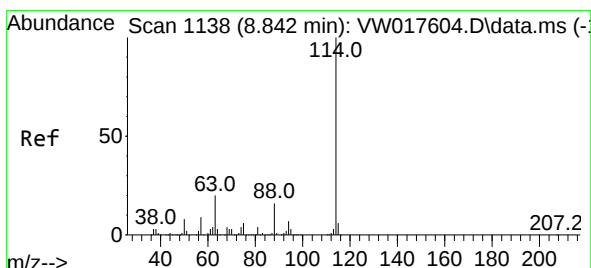
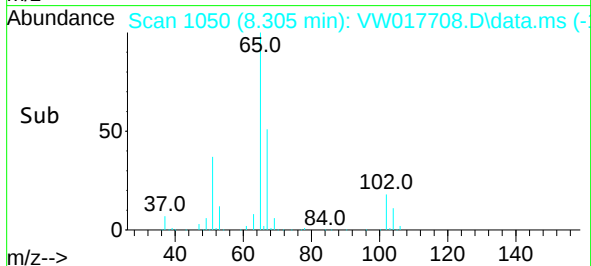
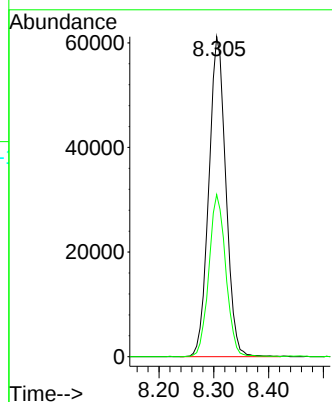
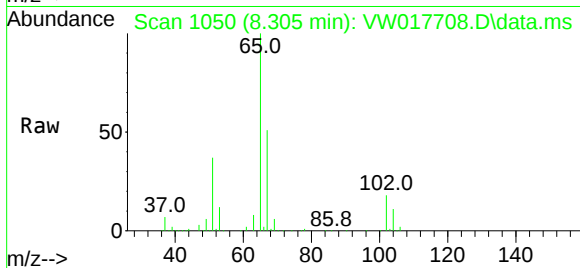




#33
1,2-Dichloroethane-d4
Concen: 51.87 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

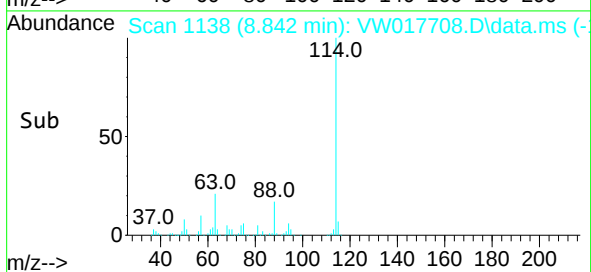
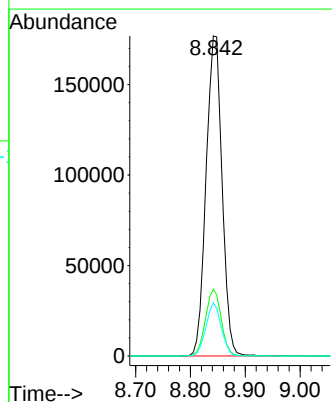
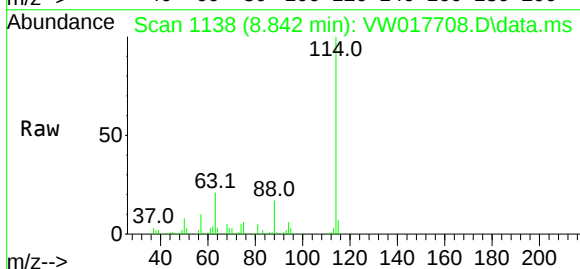
Instrument :
MSVOA_W
ClientSampleId :
NB-08-122220

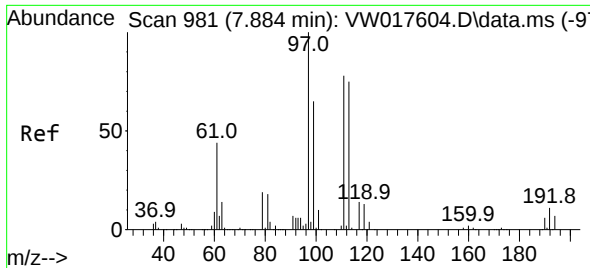
Tgt Ion: 65 Resp: 131576
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

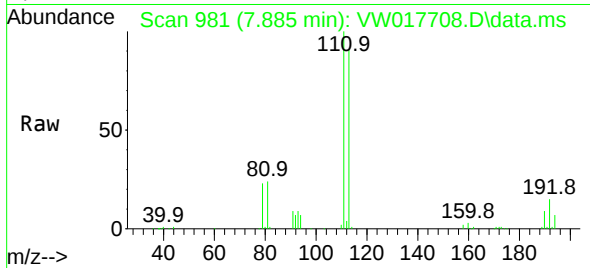
Tgt Ion: 114 Resp: 357319
Ion Ratio Lower Upper
114 100
63 20.8 0.0 35.6
88 16.6 0.0 30.4



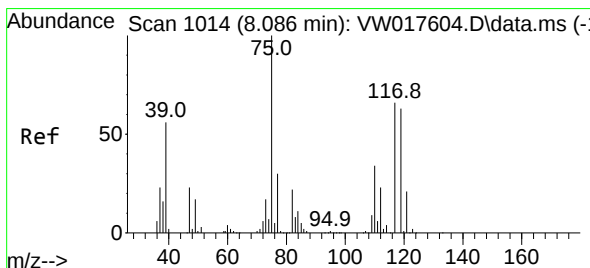
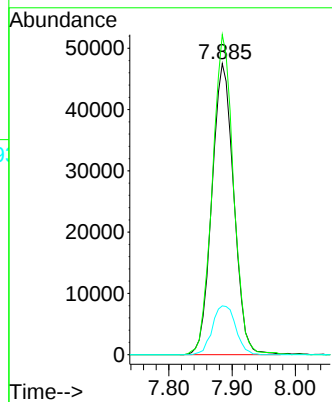
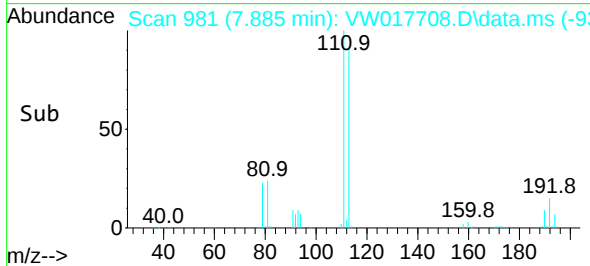


#35
Dibromofluoromethane
Concen: 48.06 ug/l
RT: 7.885 min Scan# 981
Delta R.T. 0.001 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

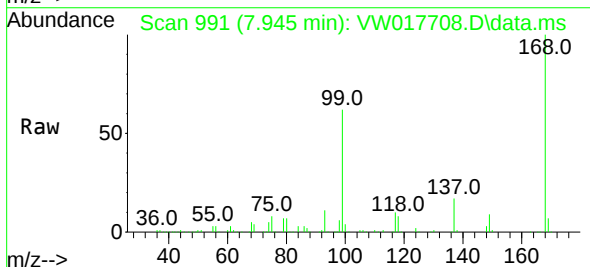
Instrument :
MSVOA_W
ClientSampleId :
NB-08-122220



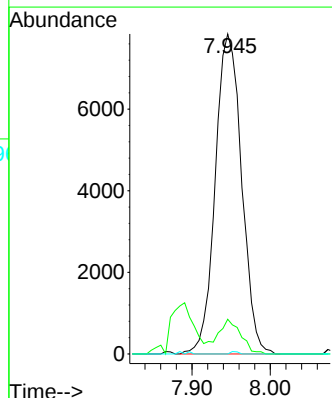
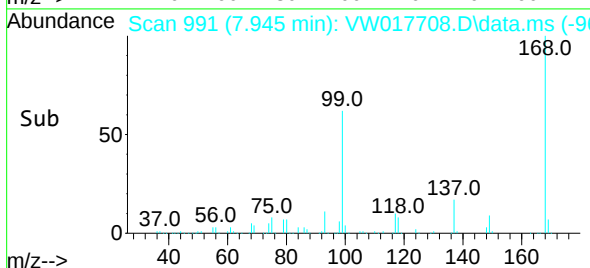
Tgt Ion:113 Resp: 113644
Ion Ratio Lower Upper
113 100
111 106.5 81.4 122.2
192 17.9 17.8 26.8

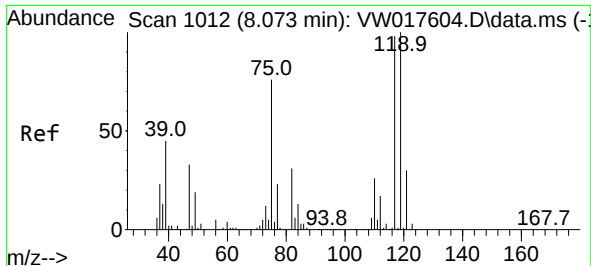


#36
1,1-Dichloropropene
Concen: 4.90 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.141 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33



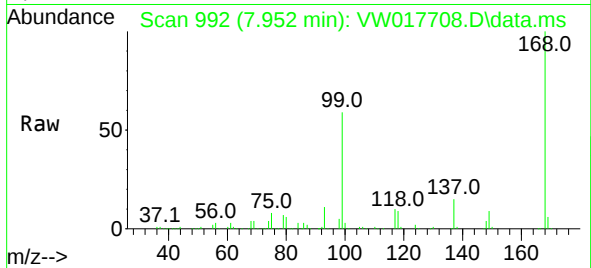
Tgt Ion: 75 Resp: 18322
Ion Ratio Lower Upper
75 100
110 8.5 19.3 57.9#
77 0.2 25.0 37.6#



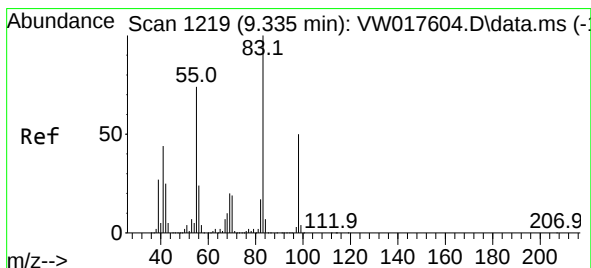
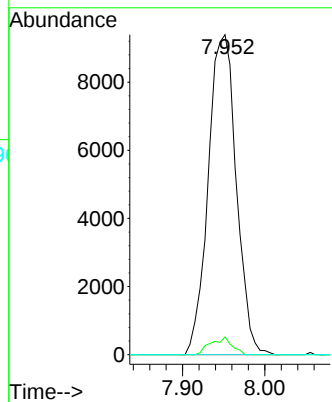
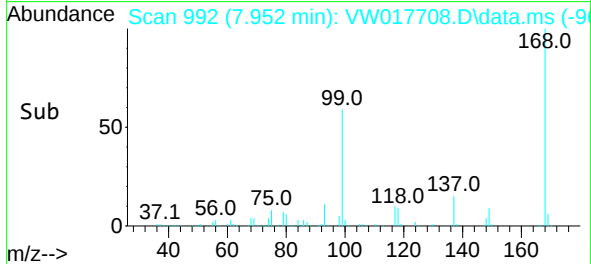


#38
Carbon Tetrachloride
Concen: 5.93 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.121 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

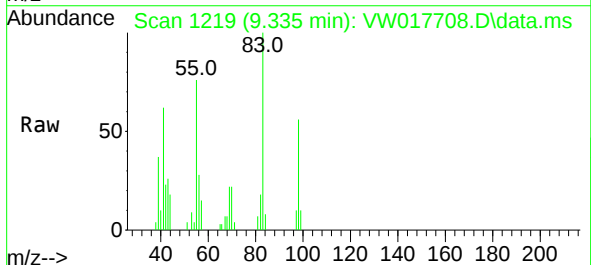
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ClientSampled :
NB-08-122220



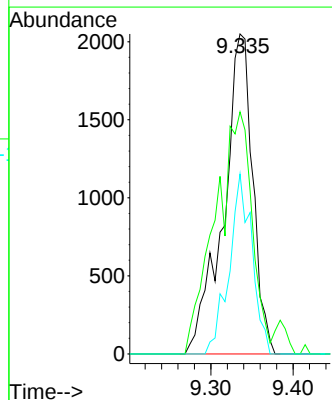
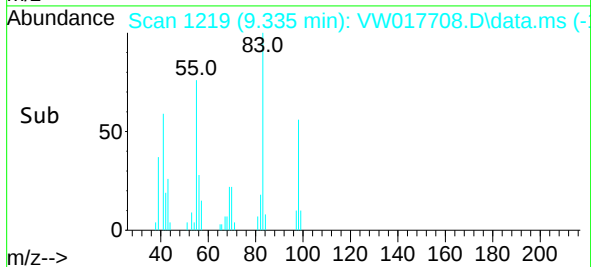
Tgt Ion: 117 Resp: 22311
Ion Ratio Lower Upper
117 100
119 5.6 81.6 122.4#
121 0.0 25.7 38.5#

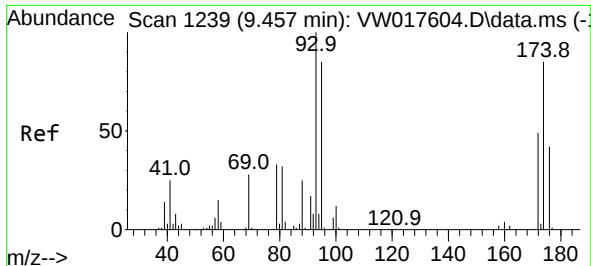


#39
Methylcyclohexane
Concen: 1.07 ug/l
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33



Tgt Ion: 83 Resp: 5075
Ion Ratio Lower Upper
83 100
55 75.7 51.7 77.5
98 56.2 41.0 61.4

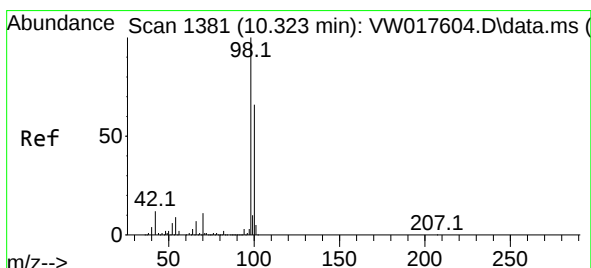
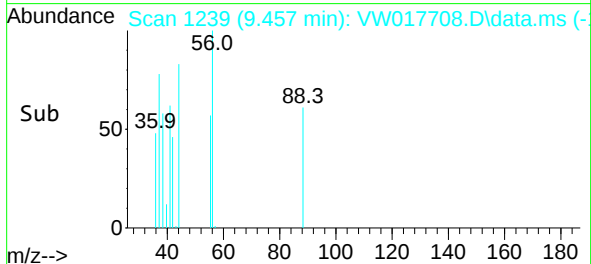
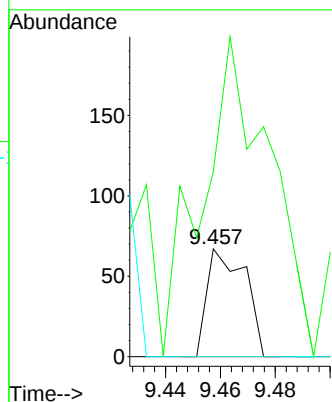
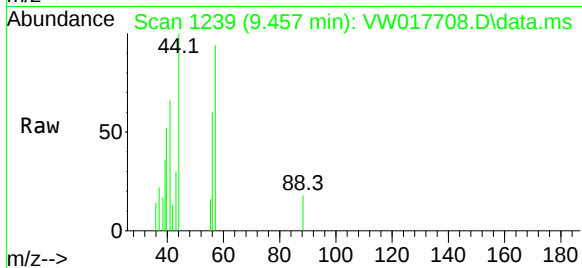




#49
1,4-Dioxane
Concen: 3.78 ug/l
RT: 9.457 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

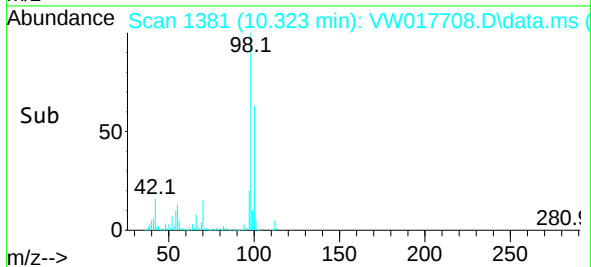
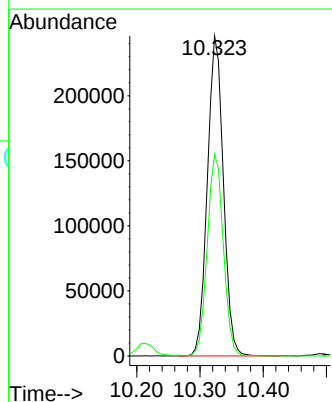
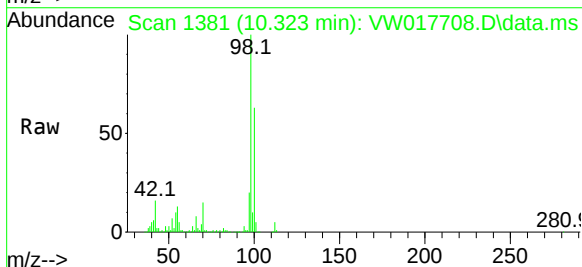
Instrument :
MSVOA_W
ClientSampled :
NB-08-122220

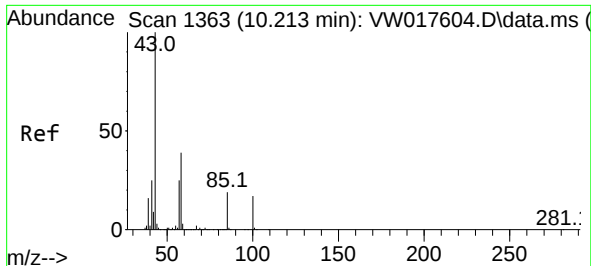
Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 535.9 0.0 0.0#
58 0.0 54.0 81.0#



#50
Toluene-d8
Concen: 47.03 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

Tgt Ion: 98 Resp: 432984
Ion Ratio Lower Upper
98 100
100 63.4 53.3 79.9

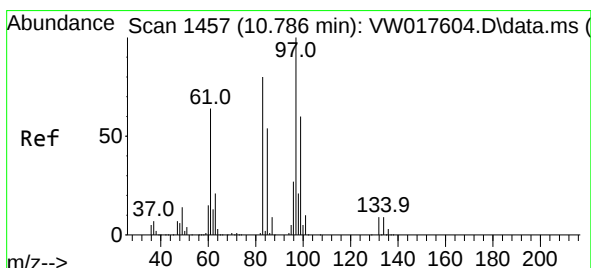
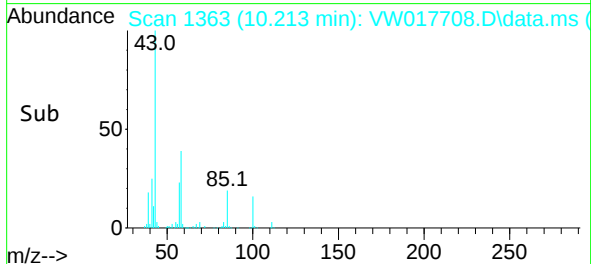
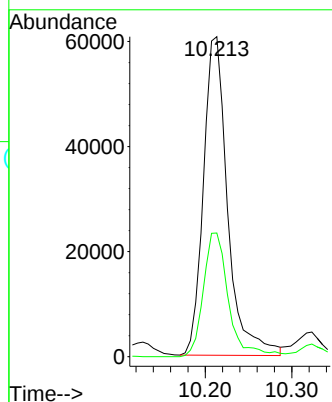
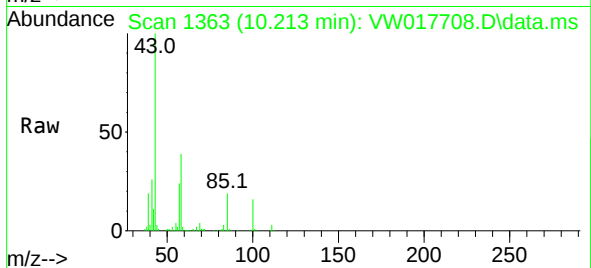




#51
4-Methyl-2-Pentanone
Concen: 80.92 ug/l
RT: 10.213 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

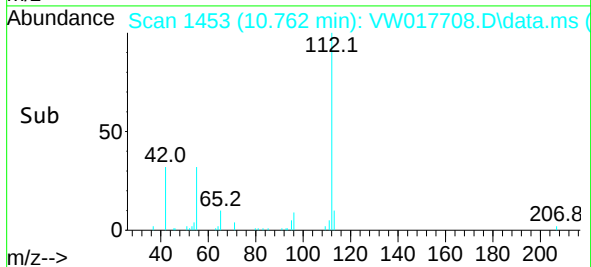
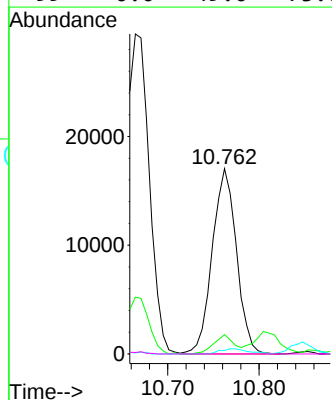
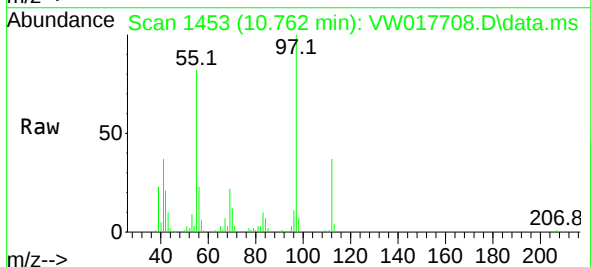
Instrument :
MSVOA_W
ClientSampleId :
NB-08-122220

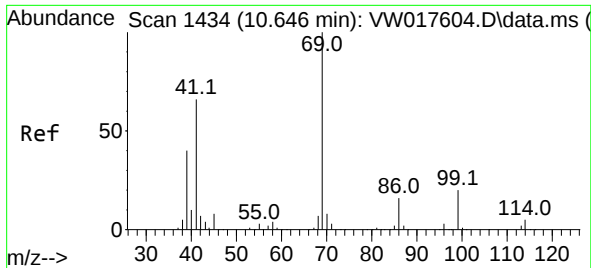
Tgt Ion: 43 Resp: 118122
Ion Ratio Lower Upper
43 100
58 40.3 34.7 52.1



#55
1,1,2-Trichloroethane
Concen: 17.15 ug/l
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

Tgt Ion: 97 Resp: 31382
Ion Ratio Lower Upper
97 100
83 10.4 64.6 97.0#
85 1.9 40.6 61.0#
99 0.0 49.0 73.6#

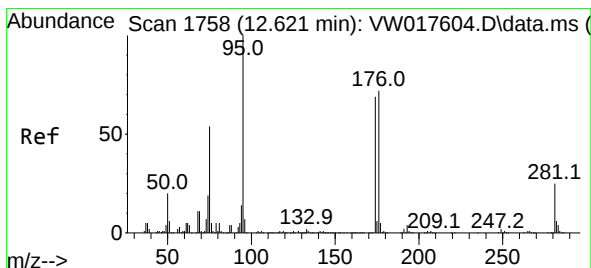
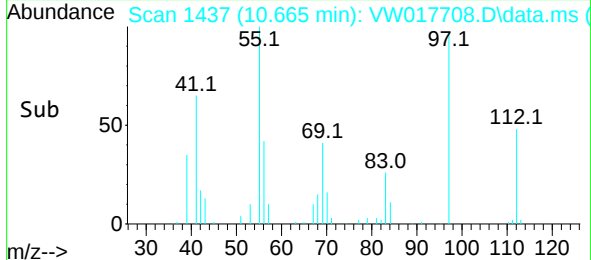
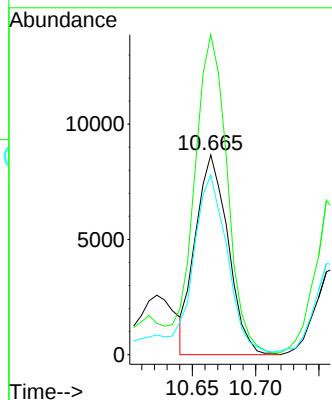
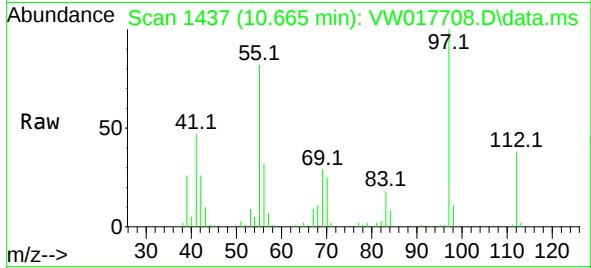




#56
Ethyl methacrylate
Concen: 6.56 ug/l
RT: 10.665 min Scan# 1437
Delta R.T. 0.018 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

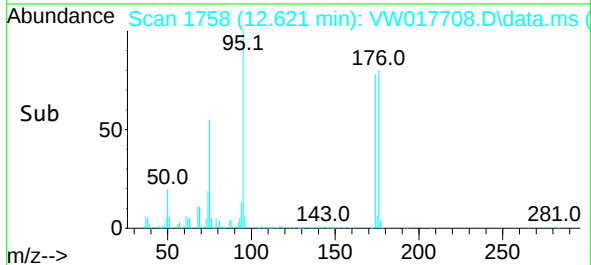
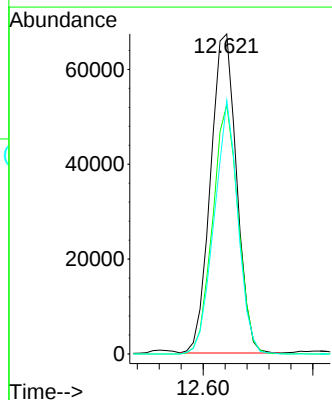
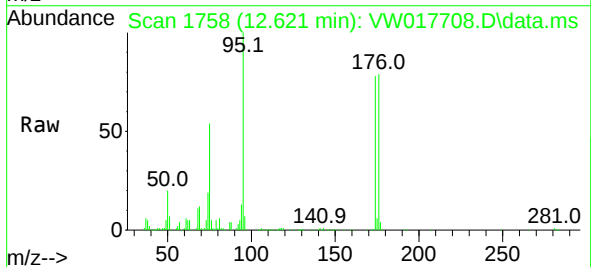
Instrument :
MSVOA_W
ClientSampleId :
NB-08-122220

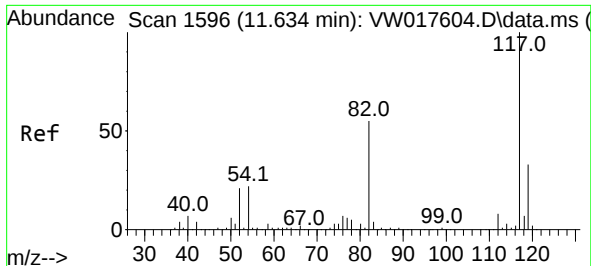
Tgt Ion:	69	Resp:	15507
Ion Ratio	Lower	Upper	
69	100		
41	161.8	46.3	69.5#
39	106.0	25.9	38.9#



#62
4-Bromofluorobenzene
Concen: 33.82 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

Tgt Ion:	95	Resp:	111155
Ion Ratio	Lower	Upper	
95	100		
174	76.2	0.0	180.6
176	72.3	0.0	177.6

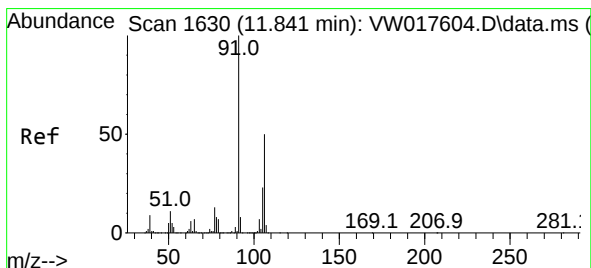
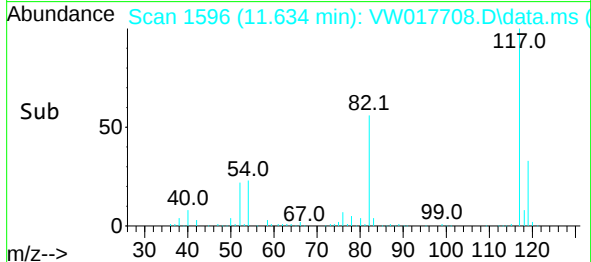
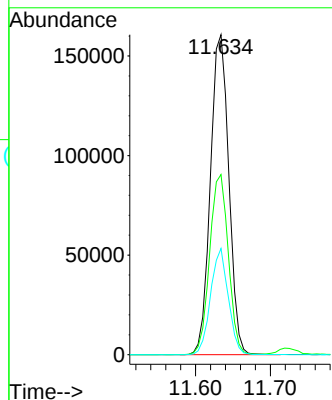
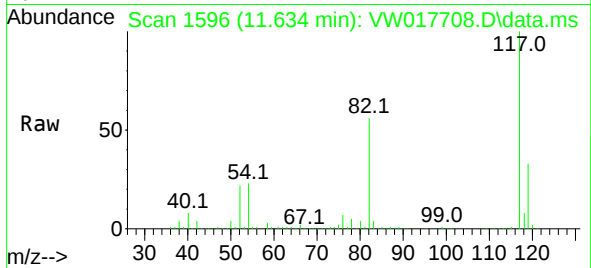




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

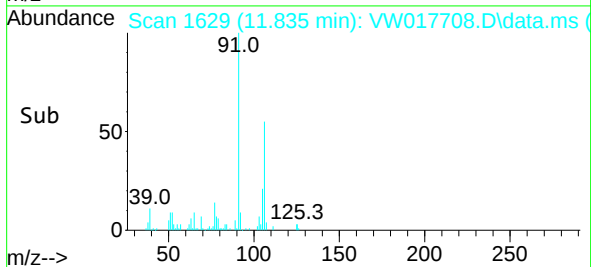
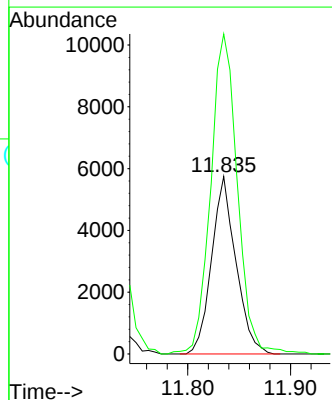
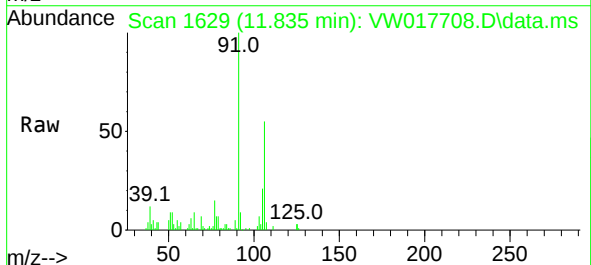
Instrument :
MSVOA_W
ClientSampleId :
NB-08-122220

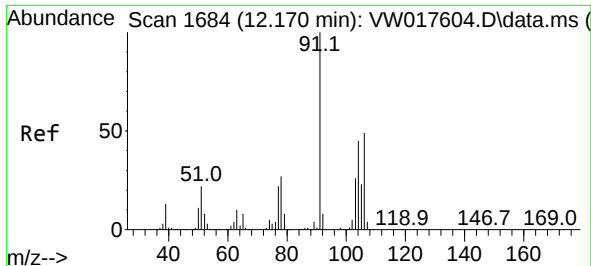
Tgt Ion:117 Resp: 275449
Ion Ratio Lower Upper
117 100
82 56.2 40.7 61.1
119 33.2 25.0 37.4



#68
m/p-Xylenes
Concen: 2.25 ug/l
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

Tgt Ion:106 Resp: 9426
Ion Ratio Lower Upper
106 100
91 198.2 157.4 236.0

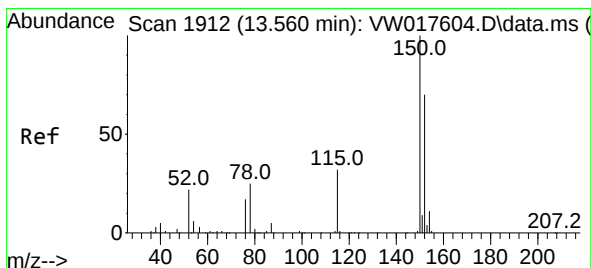
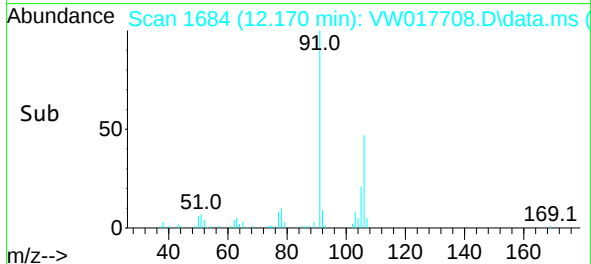
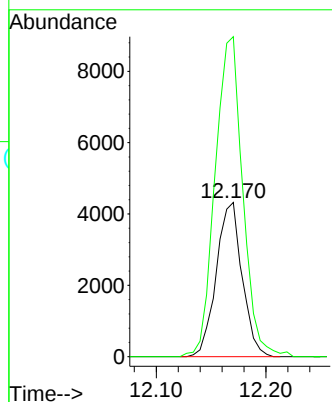
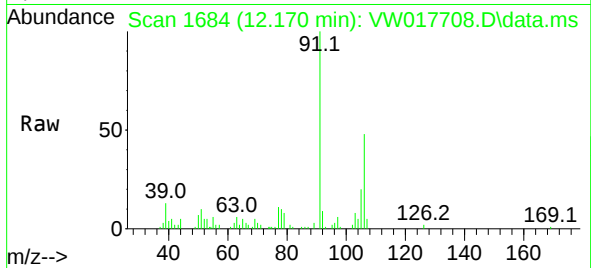




#69
o-Xylene
Concen: 1.79 ug/l
RT: 12.170 min Scan# 1684
Delta R.T. 0.000 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

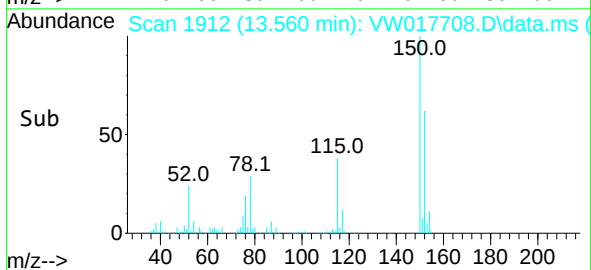
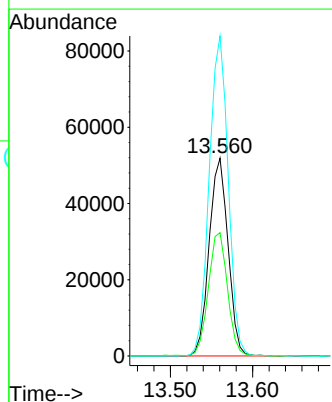
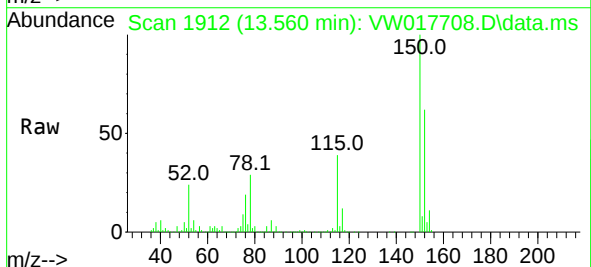
Instrument :
MSVOA_W
ClientSampleId :
NB-08-122220

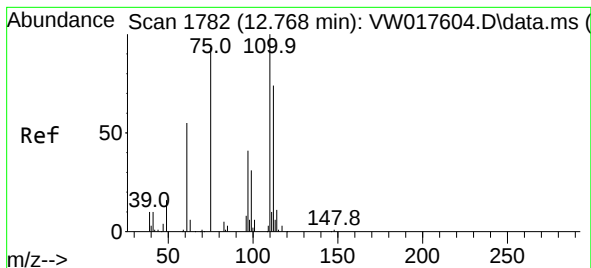
Tgt Ion:106 Resp: 7067
Ion Ratio Lower Upper
106 100
91 222.1 103.6 310.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

Tgt Ion:152 Resp: 83031
Ion Ratio Lower Upper
152 100
115 63.1 27.9 83.7
150 161.6 0.0 344.0

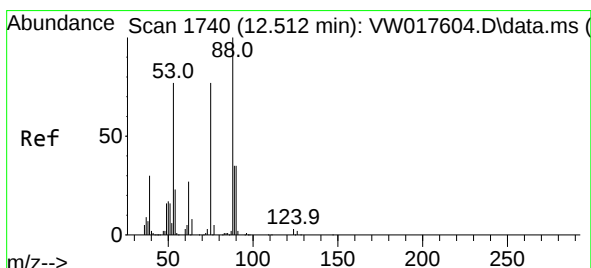
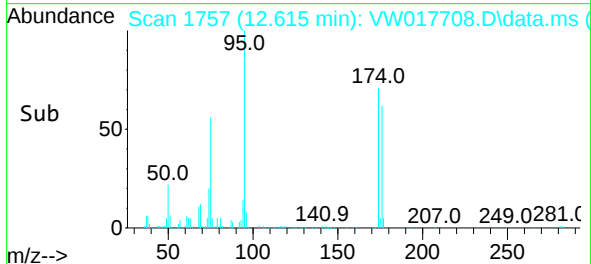
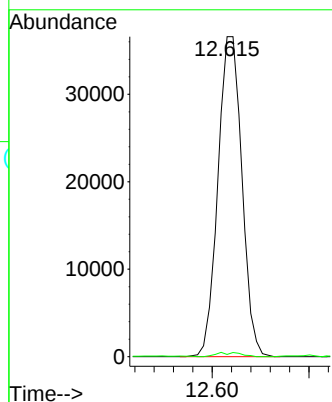
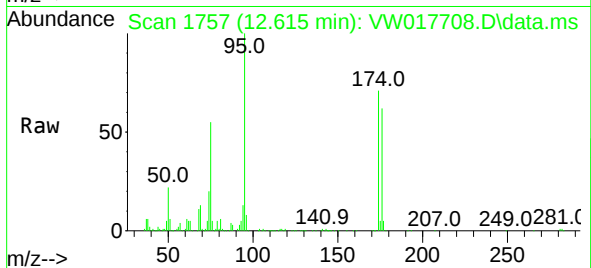




#76
1,2,3-Trichloropropane
Concen: 78.65 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.153 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

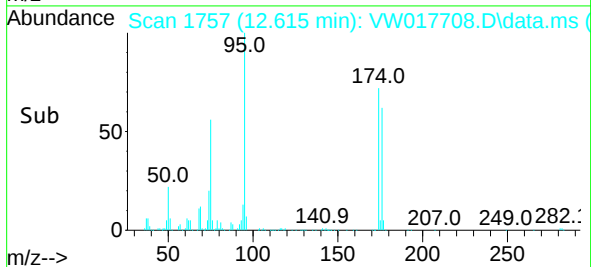
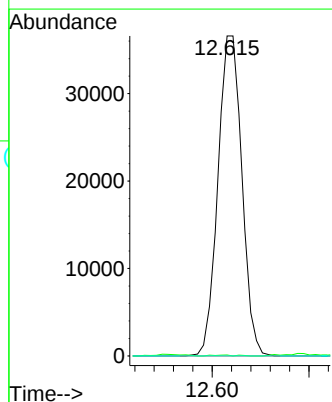
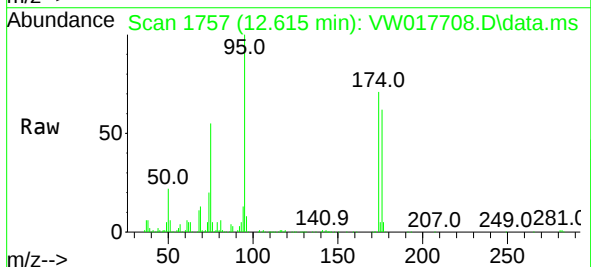
Instrument :
MSVOA_W
ClientSampled :
NB-08-122220

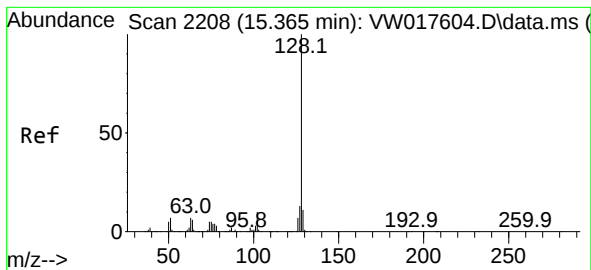
Tgt Ion: 75 Resp: 62863
Ion Ratio Lower Upper
75 100
77 0.6 178.8 536.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 159.35 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

Tgt Ion: 75 Resp: 62863
Ion Ratio Lower Upper
75 100
53 0.2 77.0 115.4#
89 0.0 38.7 58.1#





#95
Naphthalene
Concen: 8.99 ug/l
RT: 15.371 min Scan# 2209
Delta R.T. 0.006 min
Lab File: VW017708.D
Acq: 23 Dec 2020 13:33

Instrument :
MSVOA_W
ClientSampleId :
NB-08-122220

Tgt Ion:128 Resp: 29313
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 12.0 8.6 12.8

