

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121520\
 Data File : VW017629.D
 Acq On : 15 Dec 2020 13:13
 Operator : SY/VA
 Sample : L5010-03
 Misc : 4.52G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 16 02:37:32 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)

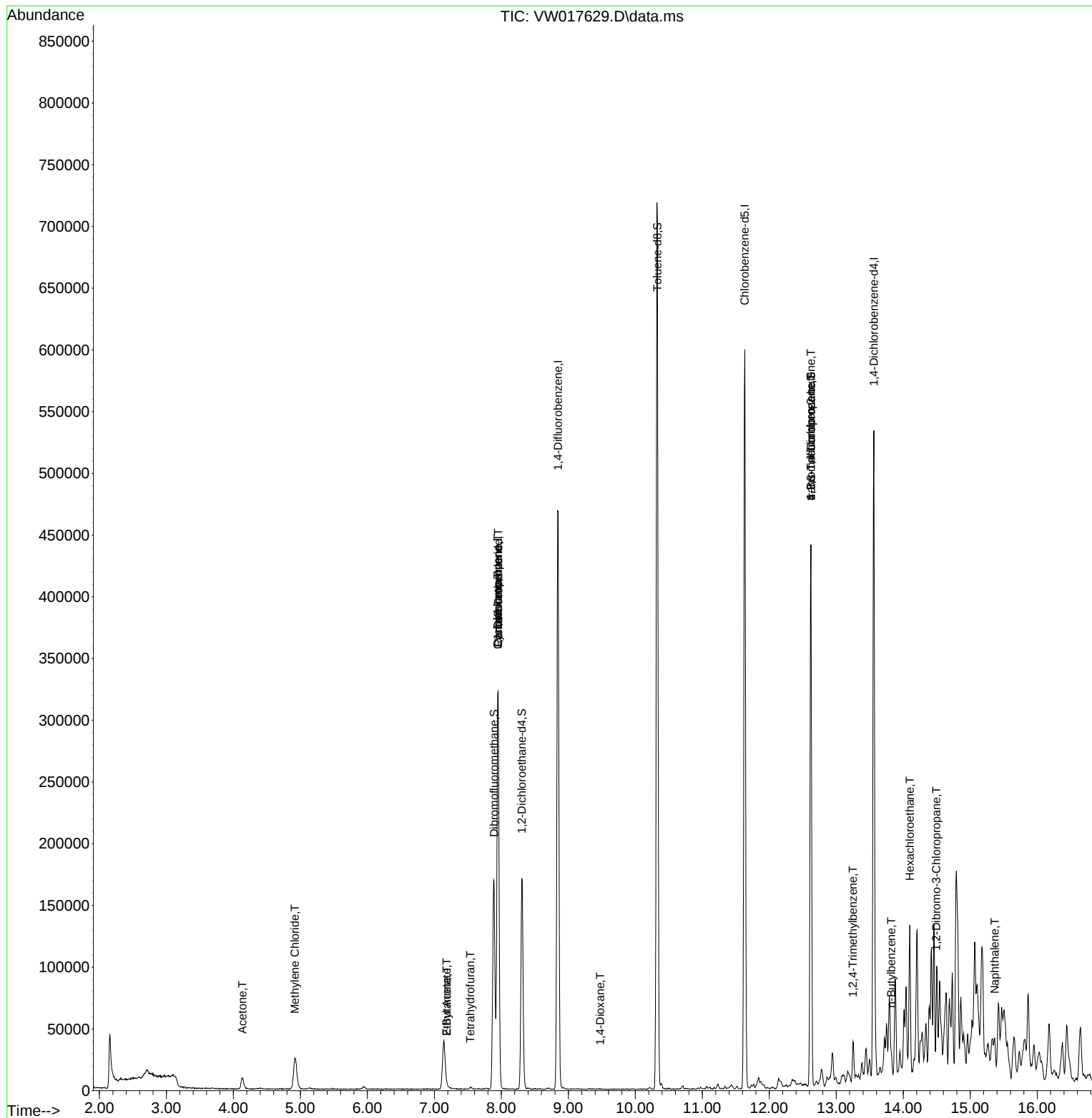
Internal Standards						
1) Pentafluorobenzene	7.952	168	232700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	395394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	318572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	124569	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	135236	47.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.42%	
35) Dibromofluoromethane	7.891	113	118704	45.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.74%	
50) Toluene-d8	10.329	98	470711	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.42%	
62) 4-Bromofluorobenzene	12.621	95	139763	38.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.86%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.220	59	76	Below Cal	#	82
16) Acetone	4.135	43	18302	29.67	ug/l #	81
20) Methylene Chloride	4.916	84	20041	2.24	ug/l #	86
25) 2-Butanone	7.183	43	5672	6.91	ug/l	90
26) 2,2-Dichloropropane	7.141	77	2576	Below Cal	#	50
29) Tetrahydrofuran	7.537	42	1733	3.75	ug/l #	69
31) Cyclohexane	7.945	56	6165	1.26	ug/l #	35
36) 1,1-Dichloropropene	7.945	75	21163	5.11	ug/l #	47
37) Ethyl Acetate	7.183	43	5735	3.32	ug/l #	67
38) Carbon Tetrachloride	7.952	117	23885	5.74	ug/l #	14
49) 1,4-Dioxane	9.476	88	22	1.17	ug/l #	16
76) 1,2,3-Trichloropropane	12.621	75	78524	65.48	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.621	75	78524	132.68	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.249	105	17357	2.11	ug/l	98
89) n-Butylbenzene	13.822	91	9136	1.03	ug/l #	72
90) Hexachloroethane	14.097	117	5833	3.28	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.493	75	525	1.76	ug/l #	1
95) Naphthalene	15.365	128	7978	1.63	ug/l	96

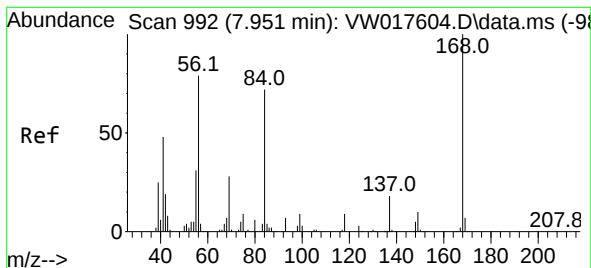
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 14 12:39:23 2020
Response via : Initial Calibration

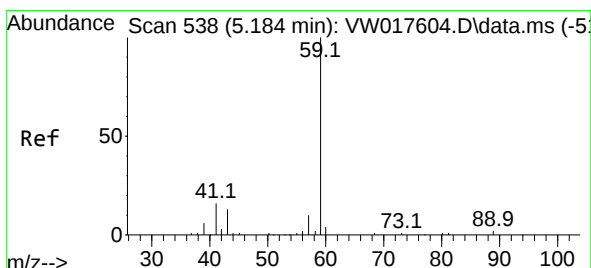
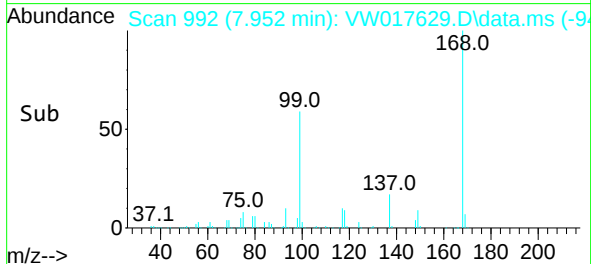
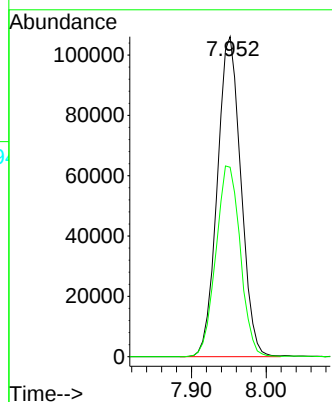
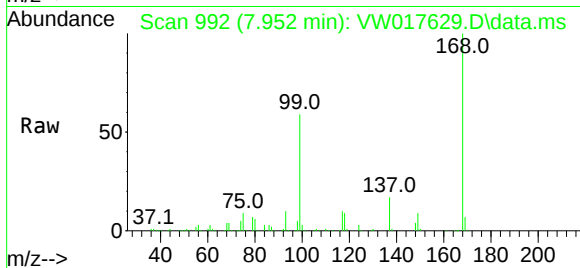




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

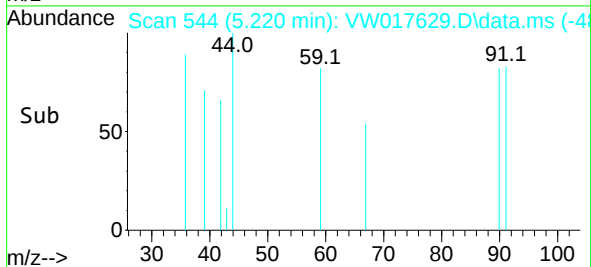
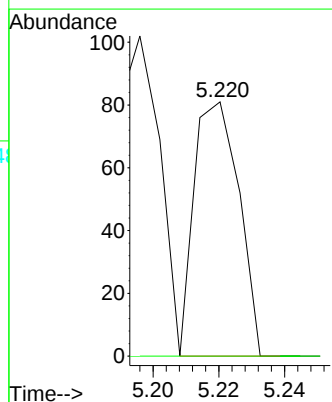
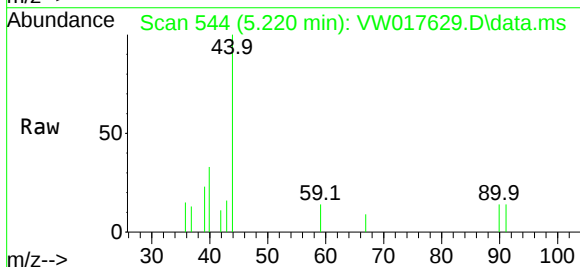
Instrument :
MSVOA_W
ClientSampled :

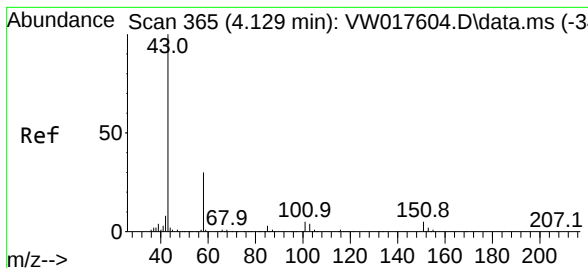
Tgt Ion:168 Resp: 232700
Ion Ratio Lower Upper
168 100
99 59.2 40.7 61.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 544
Delta R.T. 0.036 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

Tgt Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#





#16

Acetone

Concen: 29.67 ug/l

RT: 4.135 min Scan# 366

Delta R.T. 0.006 min

Lab File: VW017629.D

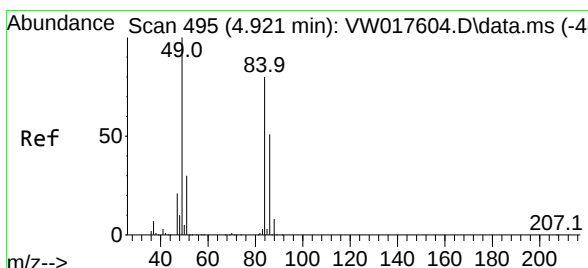
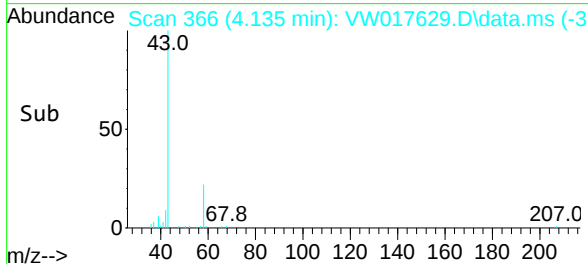
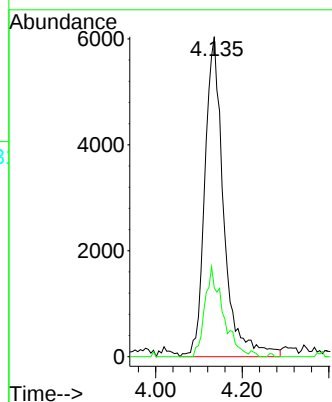
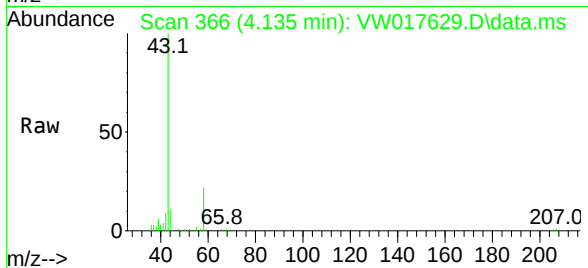
Acq: 15 Dec 2020 13:13

Tgt Ion: 43 Resp: 18302

Ion Ratio Lower Upper

43 100

58 21.5 25.7 38.5#



#20

Methylene Chloride

Concen: 2.24 ug/l

RT: 4.916 min Scan# 494

Delta R.T. -0.005 min

Lab File: VW017629.D

Acq: 15 Dec 2020 13:13

Tgt Ion: 84 Resp: 20041

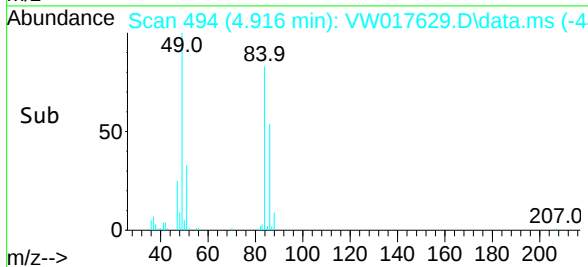
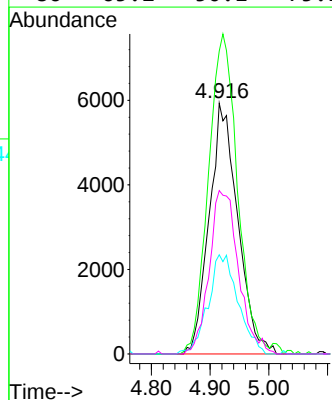
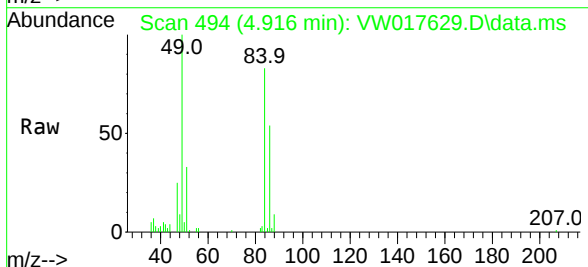
Ion Ratio Lower Upper

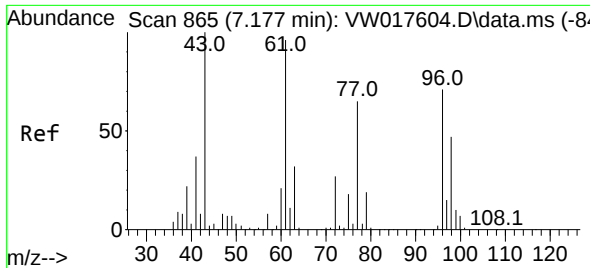
84 100

49 120.8 79.0 118.6#

51 39.6 26.1 39.1#

86 65.2 50.1 75.1

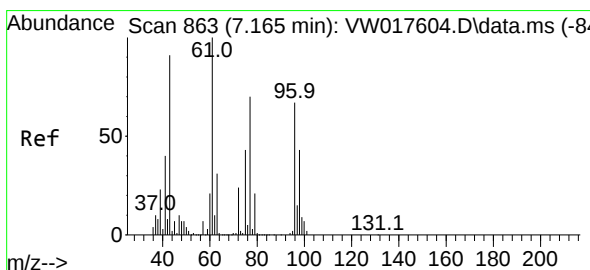
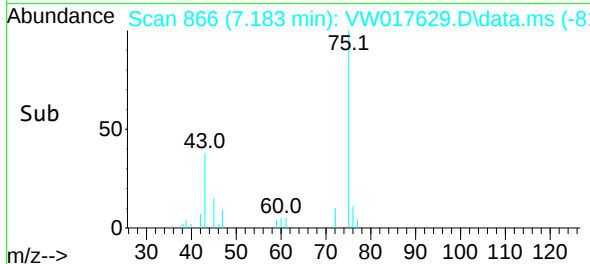
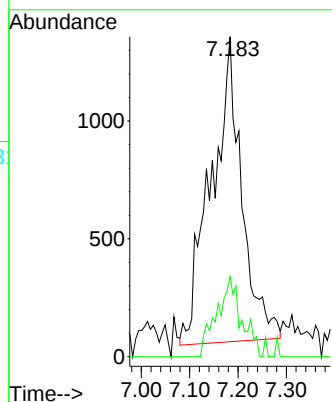
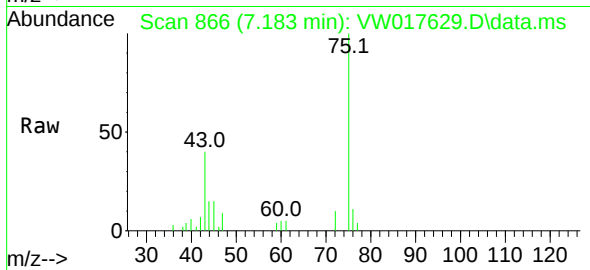




#25
2-Butanone
Concen: 6.91 ug/l
RT: 7.183 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

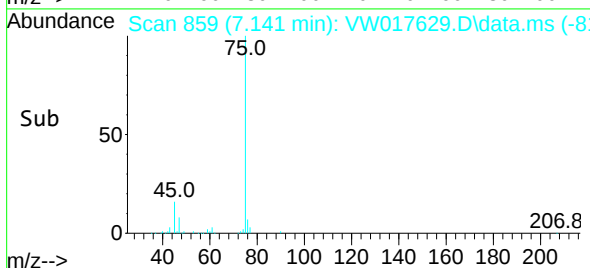
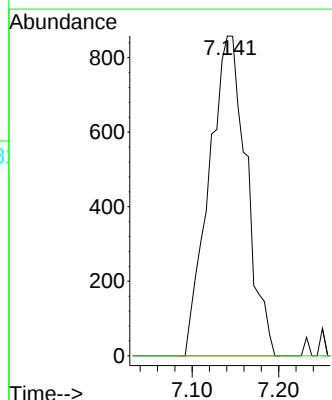
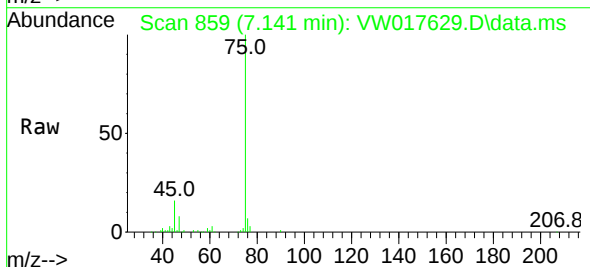
Instrument :
MSVOA_W
ClientSampled :

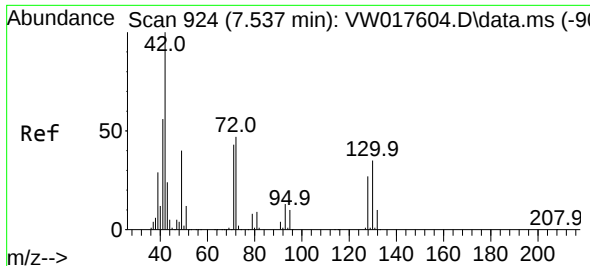
Tgt Ion: 43 Resp: 5672
Ion Ratio Lower Upper
43 100
72 26.5 25.4 38.2



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.141 min Scan# 859
Delta R.T. -0.024 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

Tgt Ion: 77 Resp: 2576
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#





#29

Tetrahydrofuran

Concen: 3.75 ug/l

RT: 7.537 min Scan# 924

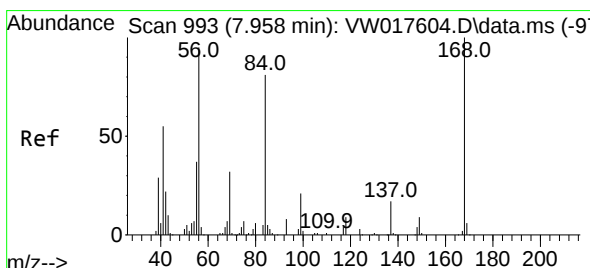
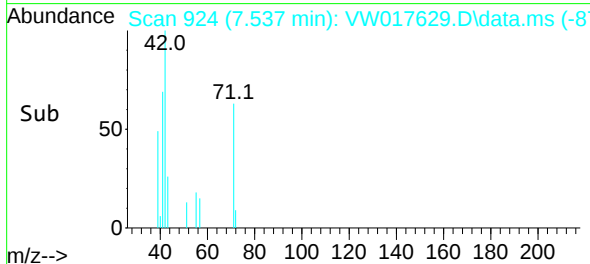
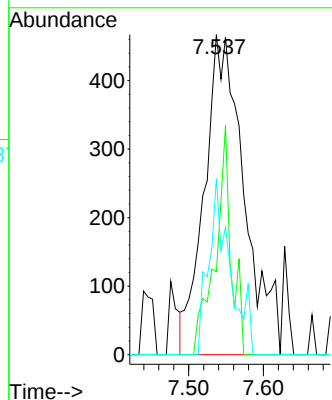
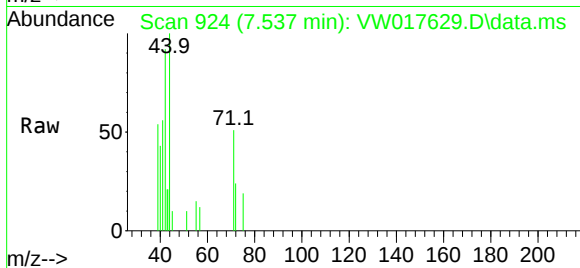
Delta R.T. 0.000 min

Lab File: VW017629.D

Acq: 15 Dec 2020 13:13

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:	42	Resp:	1733
Ion	Ratio	Lower	Upper
42	100		
72	28.7	42.0	63.0#
71	29.6	39.0	58.6#



#31

Cyclohexane

Concen: 1.26 ug/l

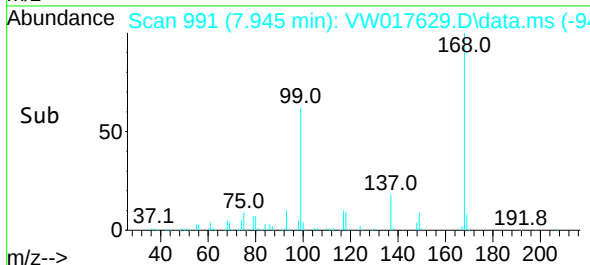
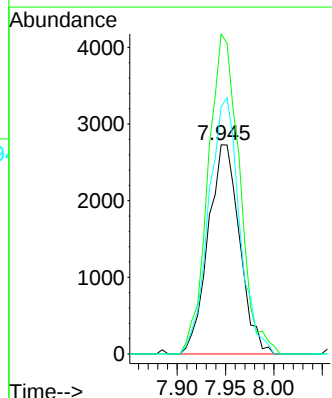
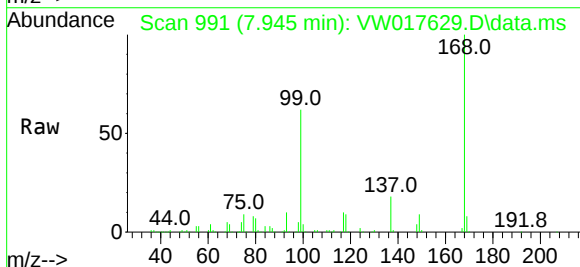
RT: 7.945 min Scan# 991

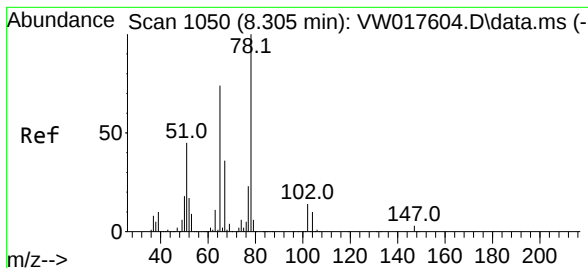
Delta R.T. -0.013 min

Lab File: VW017629.D

Acq: 15 Dec 2020 13:13

Tgt Ion:	56	Resp:	6165
Ion	Ratio	Lower	Upper
56	100		
69	153.0	29.3	43.9#
84	118.2	80.5	120.7

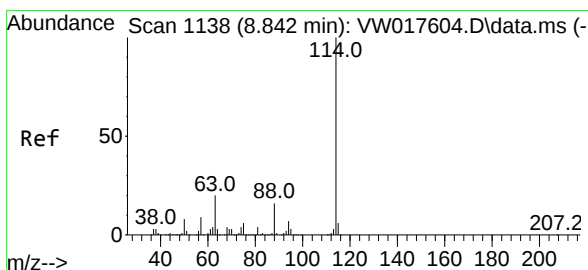
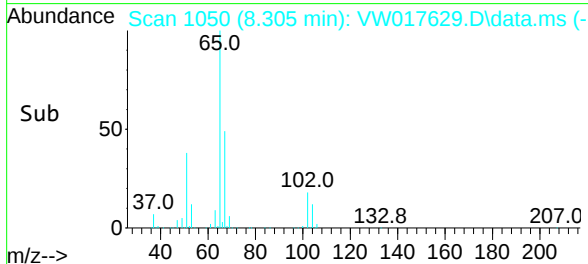
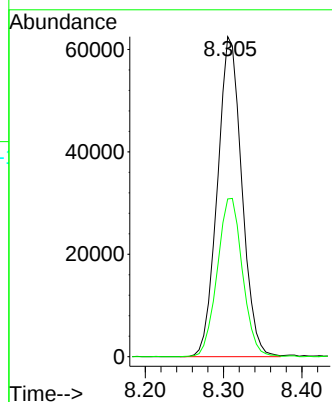
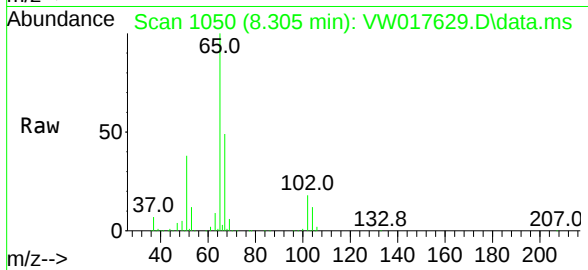




#33
 1,2-Dichloroethane-d4
 Concen: 47.71 ug/l
 RT: 8.305 min Scan# 1050
 Delta R.T. 0.000 min
 Lab File: VW017629.D
 Acq: 15 Dec 2020 13:13

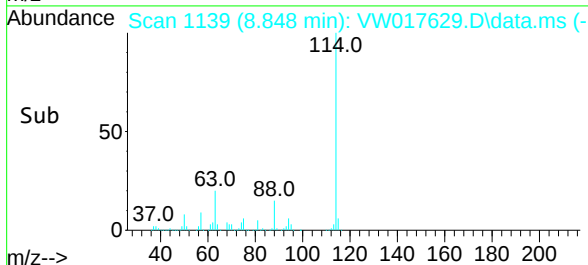
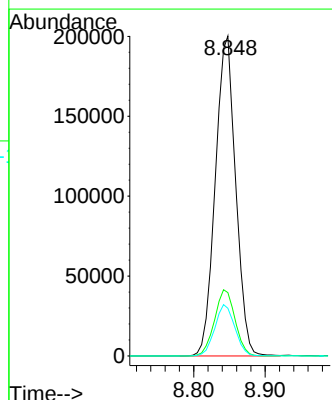
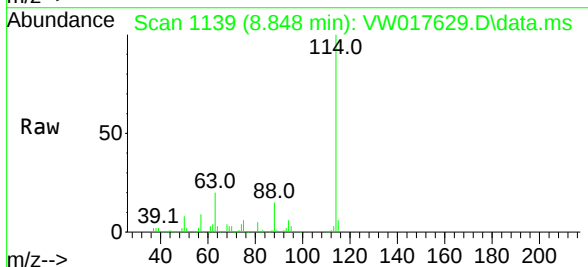
Instrument :
 MSVOA_W
 ClientSampleId :

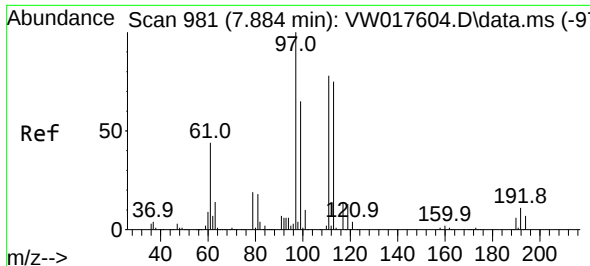
Tgt Ion: 65 Resp: 135236
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.848 min Scan# 1139
 Delta R.T. 0.006 min
 Lab File: VW017629.D
 Acq: 15 Dec 2020 13:13

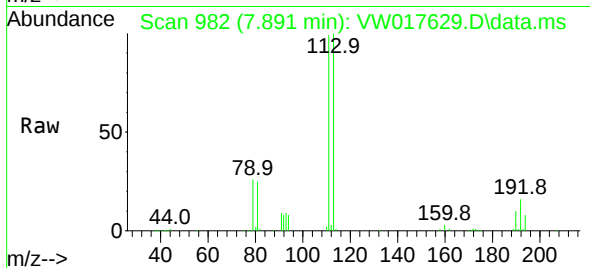
Tgt Ion: 114 Resp: 395394
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 35.6
 88 14.9 0.0 30.4



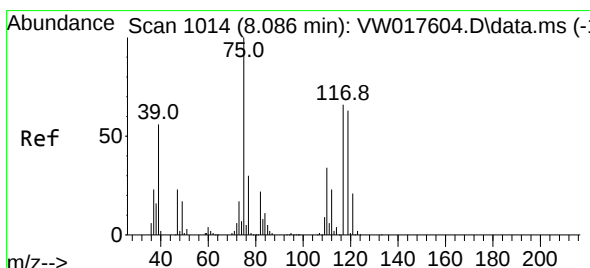
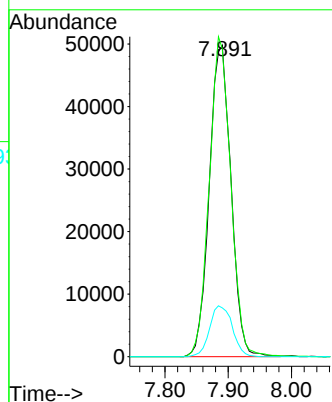
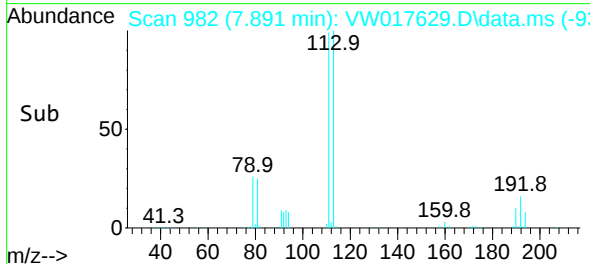


#35
Dibromofluoromethane
Concen: 45.37 ug/l
RT: 7.891 min Scan# 982
Delta R.T. 0.007 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

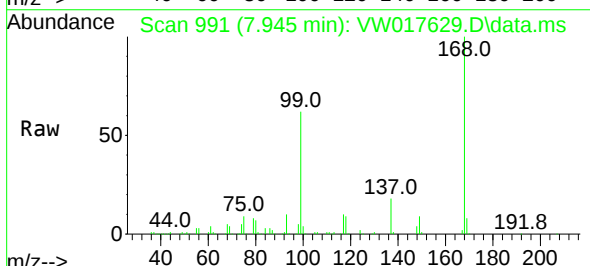
Instrument :
MSVOA_W
ClientSampleId :



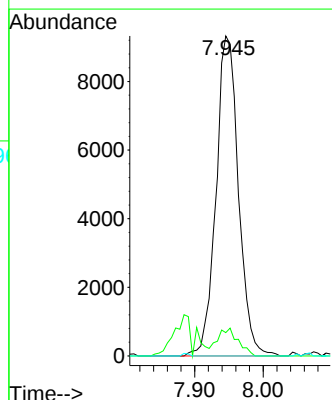
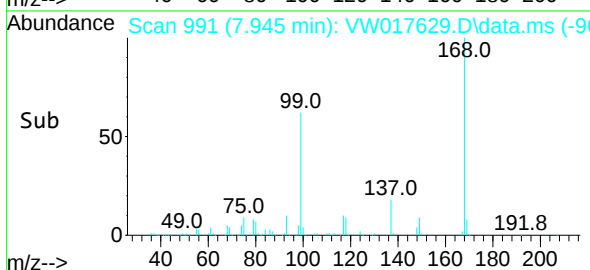
Tgt Ion:113 Resp: 118704
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.2
192 17.1 17.8 26.8#

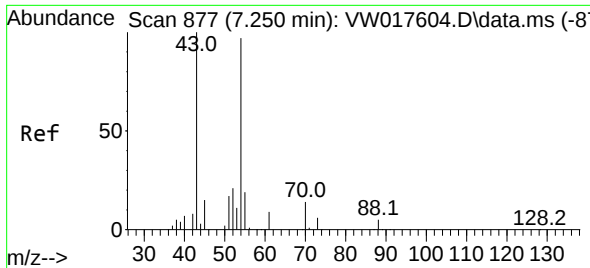


#36
1,1-Dichloropropene
Concen: 5.11 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.141 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13



Tgt Ion: 75 Resp: 21163
Ion Ratio Lower Upper
75 100
110 7.9 19.3 57.9#
77 0.0 25.0 37.6#

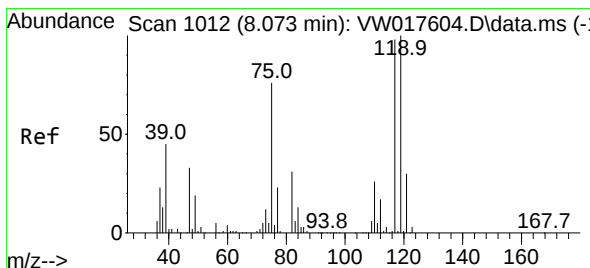
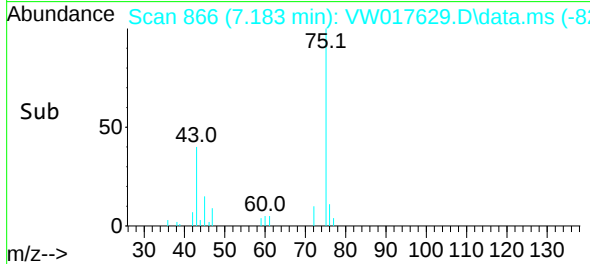
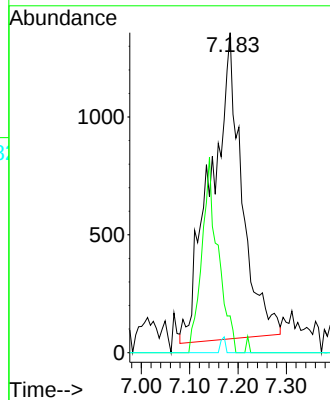
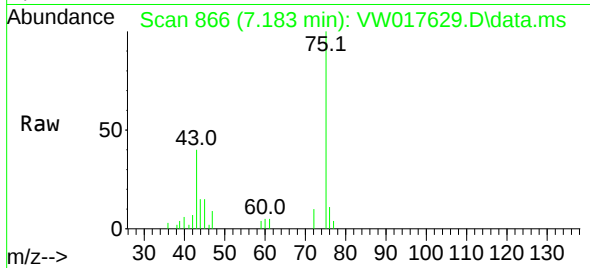




#37
Ethyl Acetate
Concen: 3.32 ug/l
RT: 7.183 min Scan# 866
Delta R.T. -0.067 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

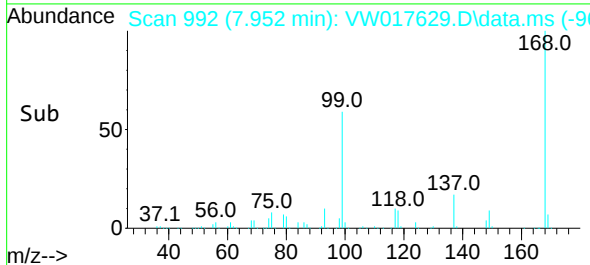
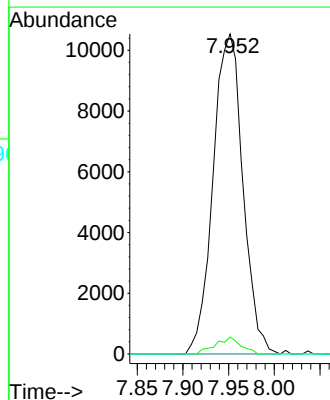
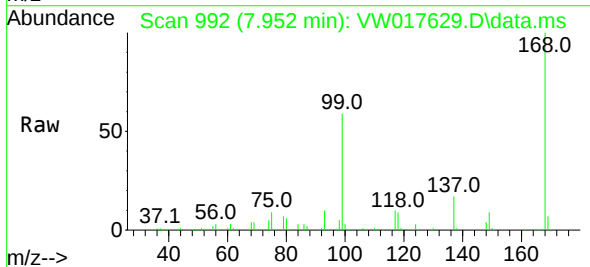
Instrument :
MSVOA_W
ClientSampleId :

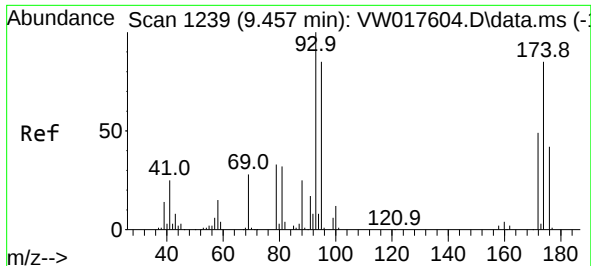
Tgt Ion: 43 Resp: 5735
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.8 9.9 14.9#



#38
Carbon Tetrachloride
Concen: 5.74 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.121 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

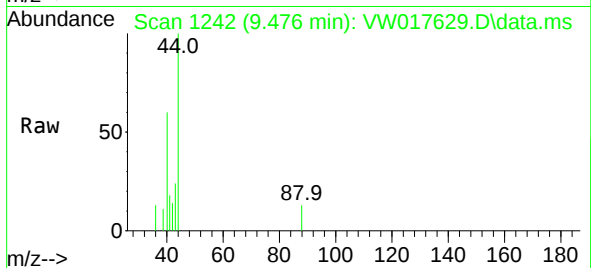
Tgt Ion: 117 Resp: 23885
Ion Ratio Lower Upper
117 100
119 5.3 81.6 122.4#
121 0.0 25.7 38.5#



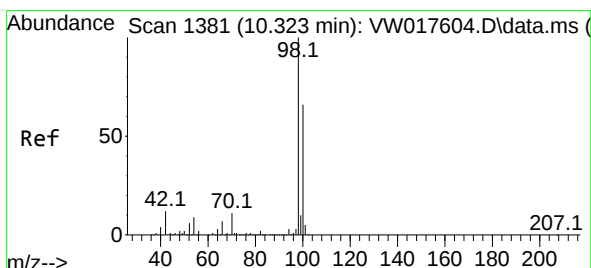
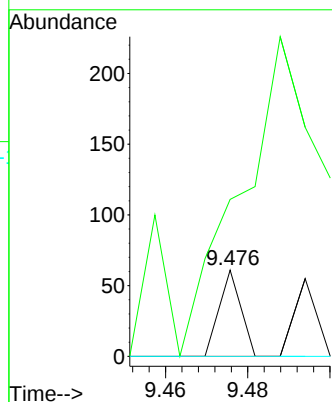
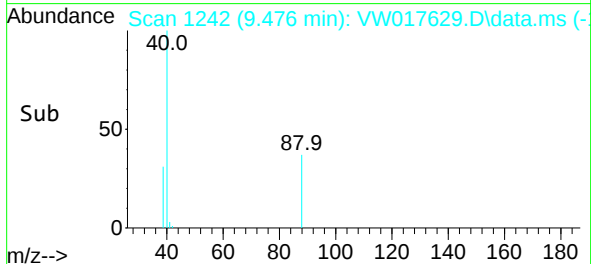


#49
1,4-Dioxane
Concen: 1.17 ug/l
RT: 9.476 min Scan# 1242
Delta R.T. 0.019 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

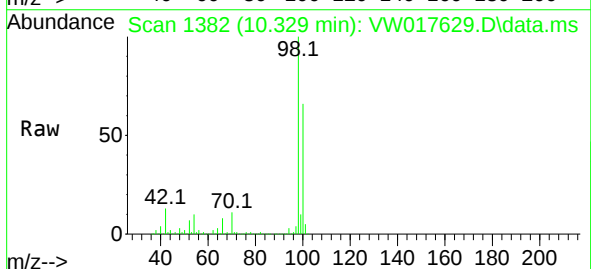
Instrument :
MSVOA_W
ClientSampleId :



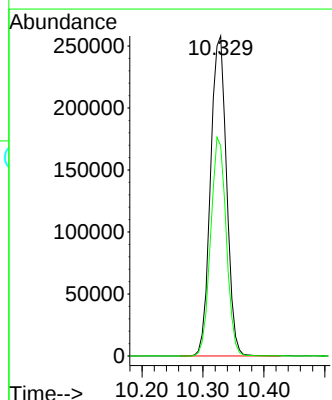
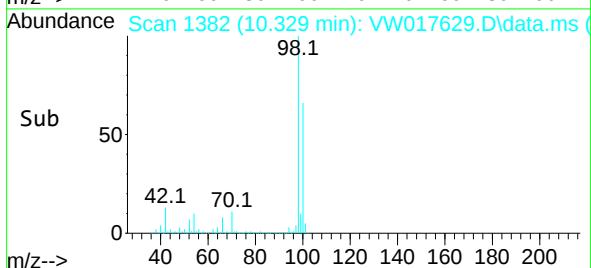
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 168.2 0.0 0.0#
58 0.0 54.0 81.0#

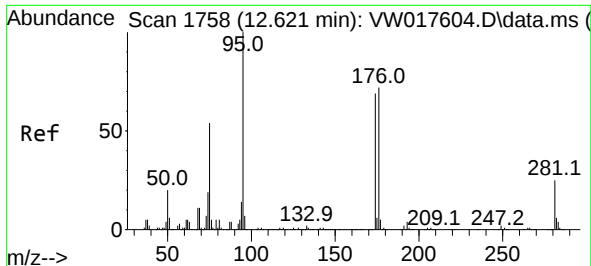


#50
Toluene-d8
Concen: 46.21 ug/l
RT: 10.329 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13



Tgt Ion: 98 Resp: 470711
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9

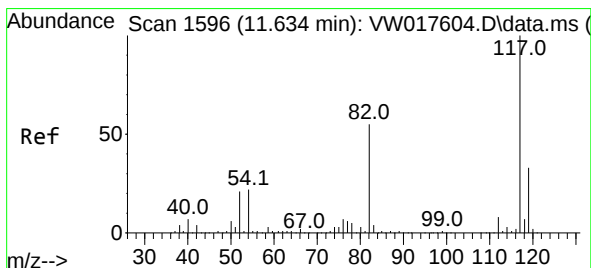
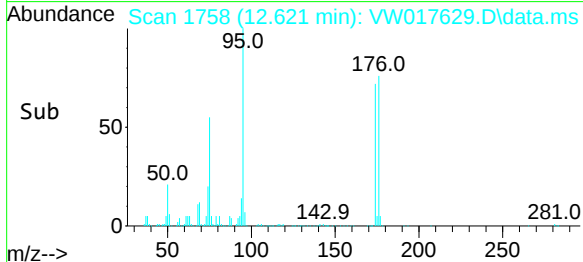
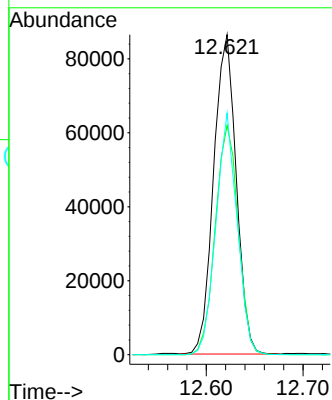
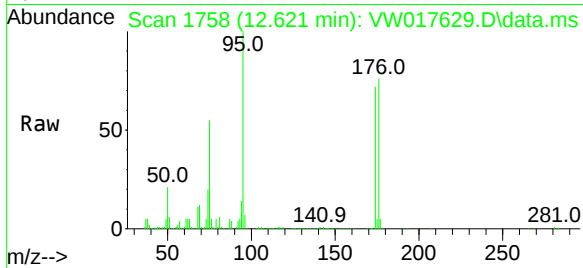




#62
4-Bromofluorobenzene
Concen: 38.43 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

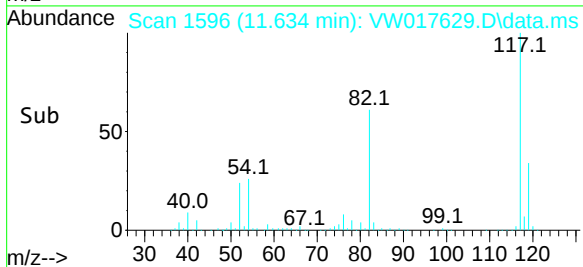
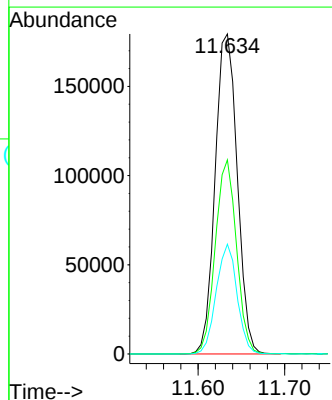
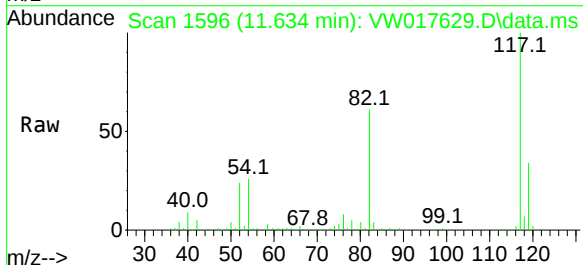
Instrument :
MSVOA_W
ClientSampleId :

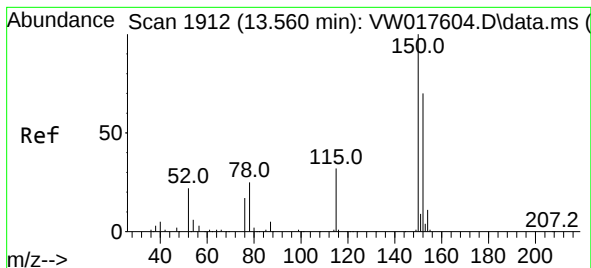
Tgt Ion: 95 Resp: 139763
Ion Ratio Lower Upper
95 100
174 72.8 0.0 180.6
176 71.1 0.0 177.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

Tgt Ion:117 Resp: 318572
Ion Ratio Lower Upper
117 100
82 60.6 40.7 61.1
119 34.3 25.0 37.4

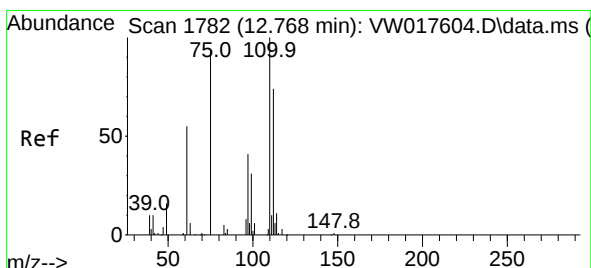
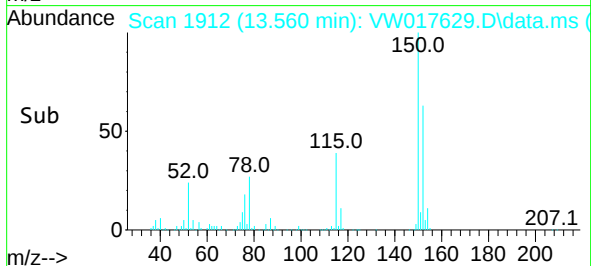
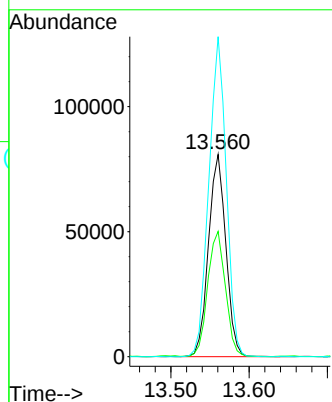
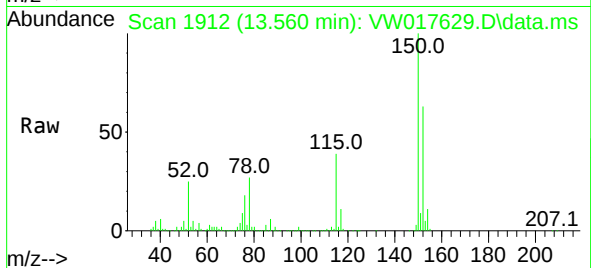




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

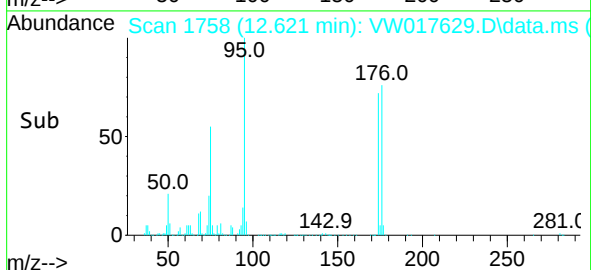
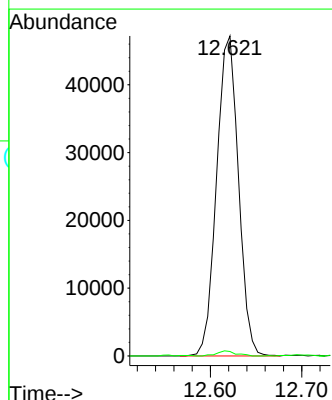
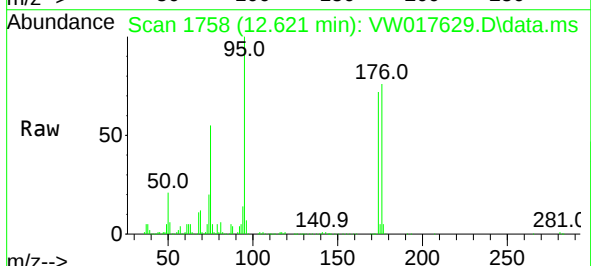
Instrument :
MSVOA_W
ClientSampleId :

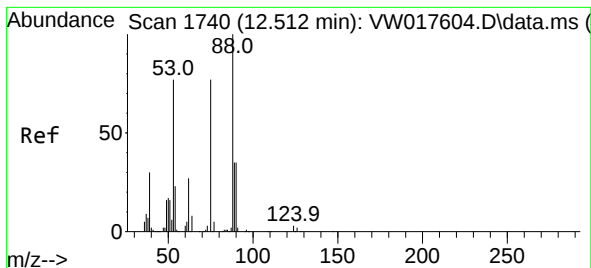
Tgt Ion:152 Resp: 124569
Ion Ratio Lower Upper
152 100
115 63.4 27.9 83.7
150 158.4 0.0 344.0



#76
1,2,3-Trichloropropane
Concen: 65.48 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. -0.147 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

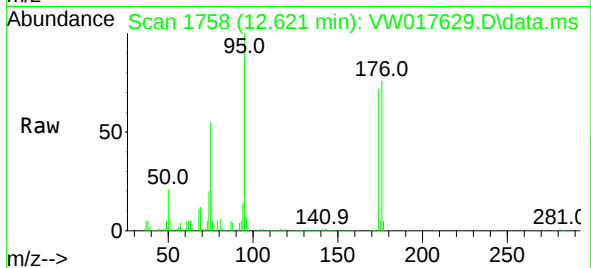
Tgt Ion: 75 Resp: 78524
Ion Ratio Lower Upper
75 100
77 1.4 178.8 536.3#



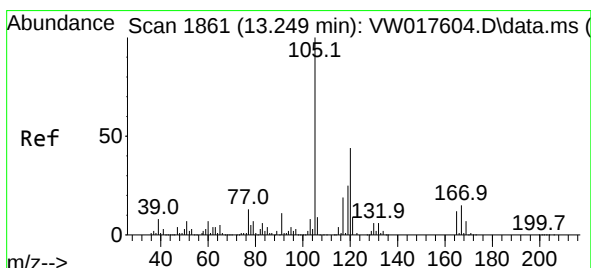
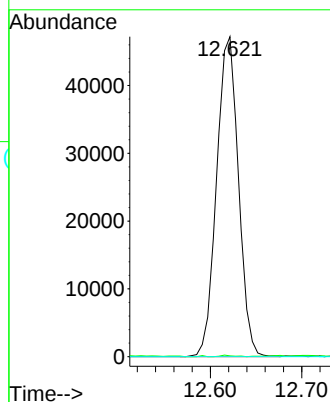
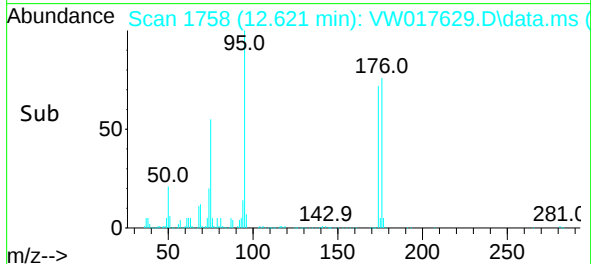


#81
trans-1,4-Dichloro-2-butene
Concen: 132.68 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.109 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

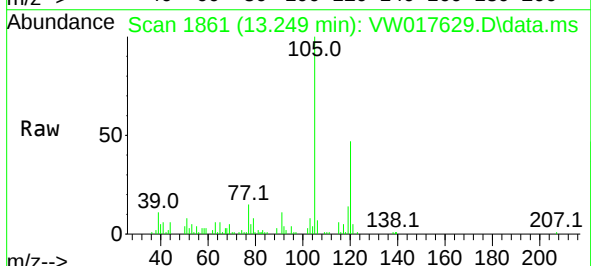
Instrument :
MSVOA_W
ClientSampleId :



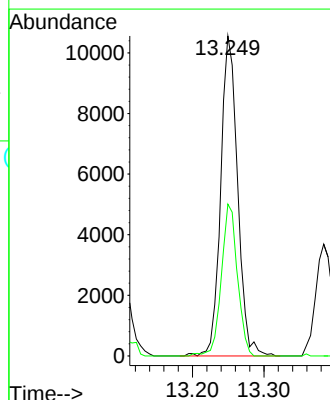
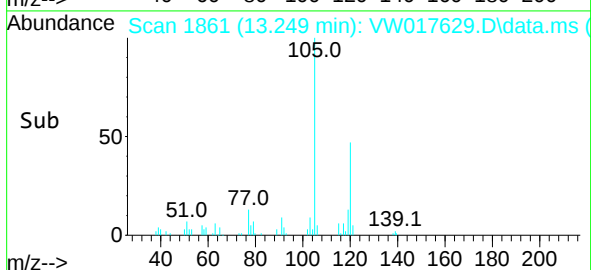
Tgt Ion: 75 Resp: 78524
Ion Ratio Lower Upper
75 100
53 0.3 77.0 115.4#
89 0.0 38.7 58.1#

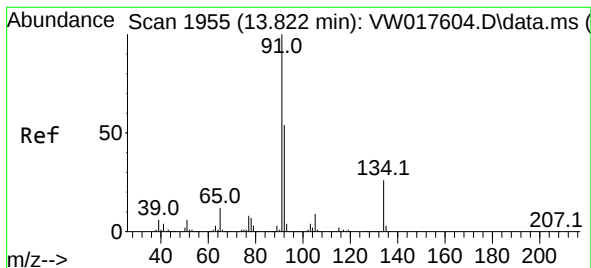


#84
1,2,4-Trimethylbenzene
Concen: 2.11 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13



Tgt Ion: 105 Resp: 17357
Ion Ratio Lower Upper
105 100
120 45.1 23.4 70.0

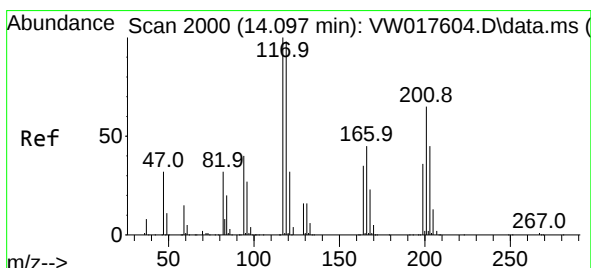
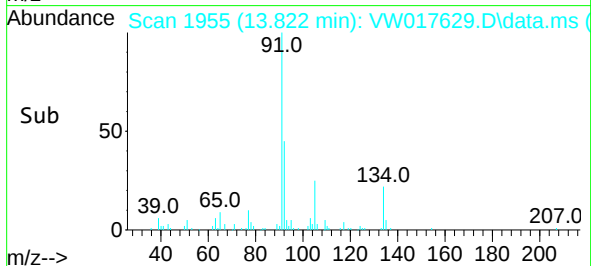
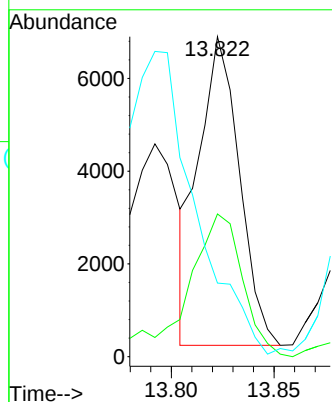
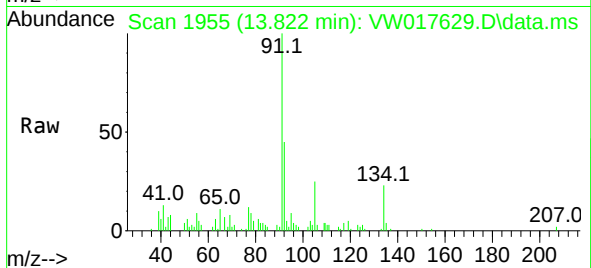




#89
n-Butylbenzene
Concen: 1.03 ug/l
RT: 13.822 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

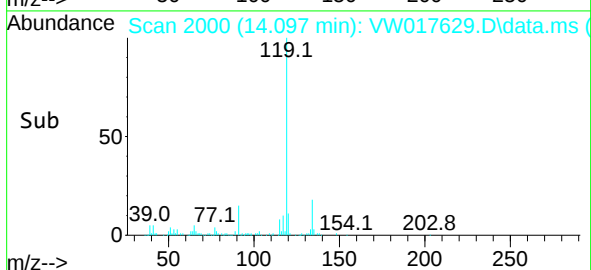
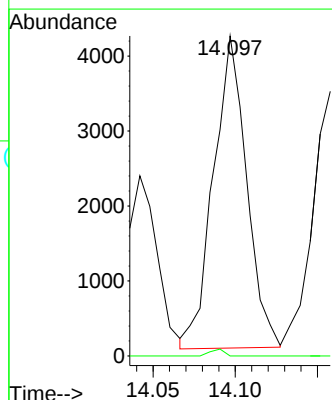
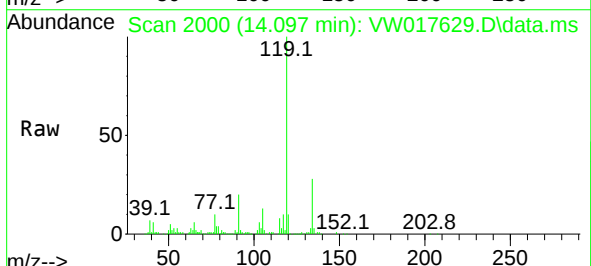
Instrument :
MSVOA_W
ClientSampled :

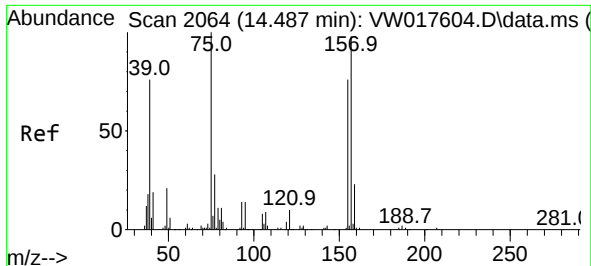
Tgt Ion: 91 Resp: 9136
Ion Ratio Lower Upper
91 100
92 63.0 26.6 79.7
134 0.0 14.3 42.9#



#90
Hexachloroethane
Concen: 3.28 ug/l
RT: 14.097 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

Tgt Ion: 117 Resp: 5833
Ion Ratio Lower Upper
117 100
201 0.9 41.9 125.7#

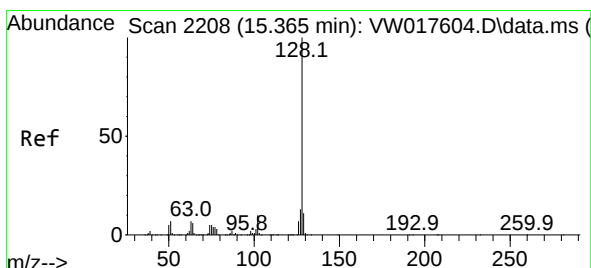
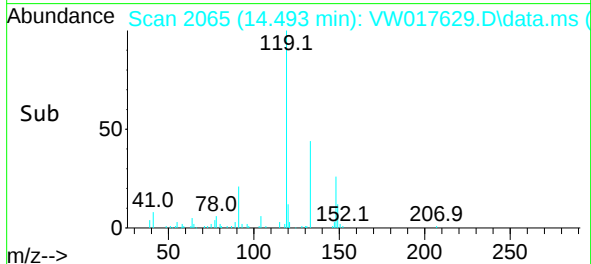
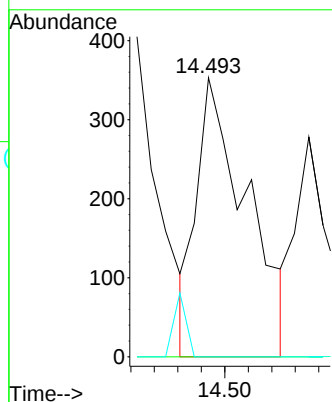
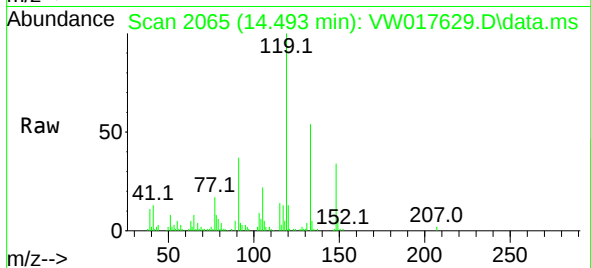




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.76 ug/l
RT: 14.493 min Scan# 2065
Delta R.T. 0.006 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 75 Resp: 525
Ion Ratio Lower Upper
75 100
155 0.0 47.6 142.8#
157 5.7 62.2 186.6#



#95
Naphthalene
Concen: 1.63 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW017629.D
Acq: 15 Dec 2020 13:13

Tgt Ion:128 Resp: 7978
Ion Ratio Lower Upper
128 100
127 12.2 10.4 15.6
129 8.6 8.6 12.8

