

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121420\
 Data File : VW017621.D
 Acq On : 14 Dec 2020 19:32
 Operator : SY/VA
 Sample : L5010-02
 Misc : 3.14G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 15 03:29:48 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)

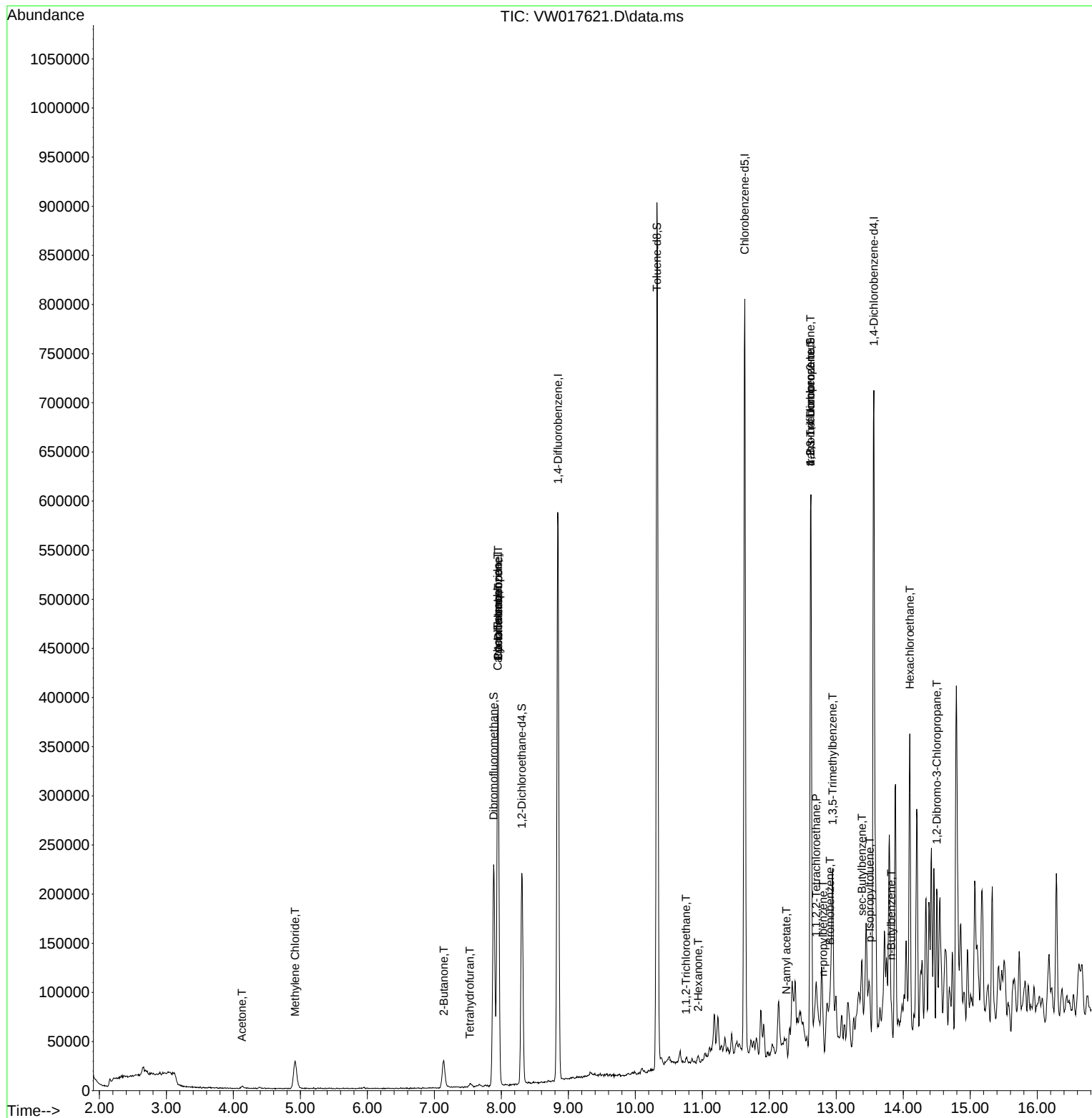
Internal Standards						
1) Pentafluorobenzene	7.951	168	279255	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.848	114	483075	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	415835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	171832	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	171636	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
35) Dibromofluoromethane	7.884	113	156311	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.80%	
50) Toluene-d8	10.323	98	574555	46.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.32%	
62) 4-Bromofluorobenzene	12.615	95	185837	41.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.64%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.196	59	102	Below Cal	#	82
16) Acetone	4.129	43	3252	4.39	ug/l	95
20) Methylene Chloride	4.922	84	23448	2.02	ug/l	# 81
25) 2-Butanone	7.141	43	1489	1.51	ug/l	# 69
26) 2,2-Dichloropropane	7.293	77	154	Below Cal		90
29) Tetrahydrofuran	7.531	42	2859	5.16	ug/l	96
31) Cyclohexane	7.951	56	7346	1.25	ug/l	# 40
36) 1,1-Dichloropropene	7.951	75	24140	4.77	ug/l	# 48
38) Carbon Tetrachloride	7.945	117	29176	5.74	ug/l	# 12
55) 1,1,2-Trichloroethane	10.756	97	3780	1.53	ug/l	# 21
59) 2-Hexanone	10.939	43	2856	2.16	ug/l	# 26
74) N-amyl acetate	12.256	43	4277	1.50	ug/l	# 38
75) 1,1,2,2-Tetrachloroethane	12.701	83	5549	2.45	ug/l	# 38
76) 1,2,3-Trichloropropane	12.615	75	100932	61.02	ug/l	# 1
77) Bromobenzene	12.908	156	26699	9.18	ug/l	# 1
78) n-propylbenzene	12.804	91	16768	1.04	ug/l	99
80) 1,3,5-Trimethylbenzene	12.945	105	38107	3.31	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.615	75	100932	123.63	ug/l	# 11
85) sec-Butylbenzene	13.383	105	32544	2.36	ug/l	82
86) p-Isopropyltoluene	13.499	119	18977	1.52	ug/l	92
89) n-Butylbenzene	13.822	91	12812	1.05	ug/l	# 60
90) Hexachloroethane	14.097	117	14443	5.90	ug/l	# 7
92) 1,2-Dibromo-3-Chloropr...	14.499	75	440	1.07	ug/l	# 4

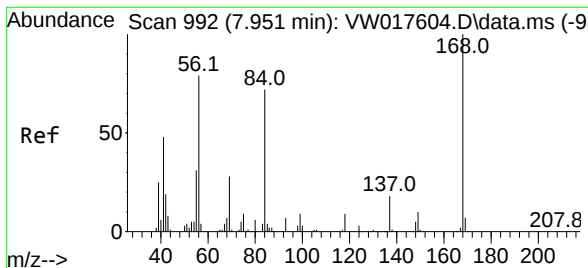
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

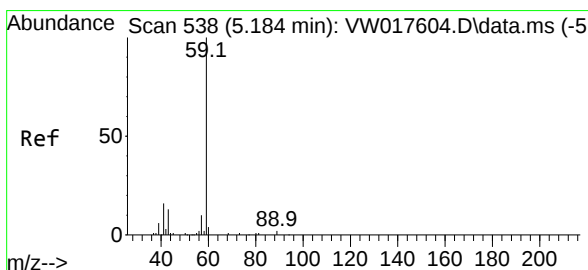
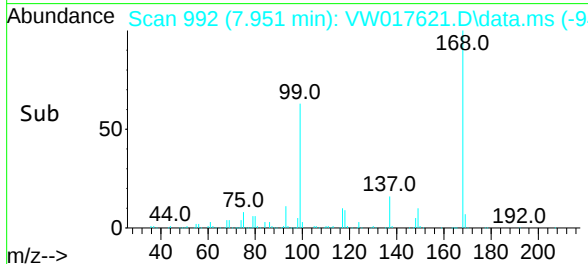
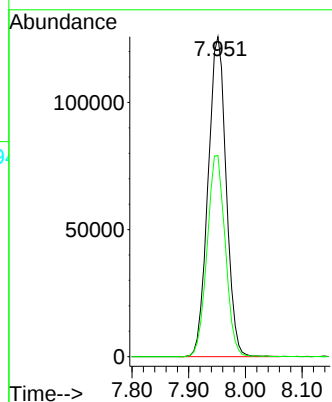
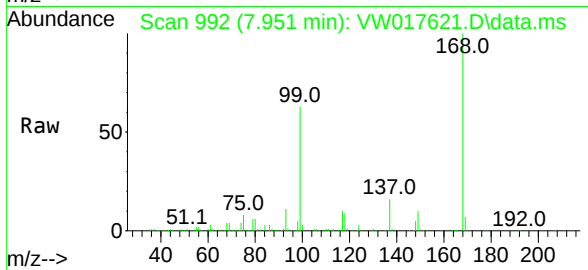




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.951 min Scan# 992
Delta R.T. 0.000 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

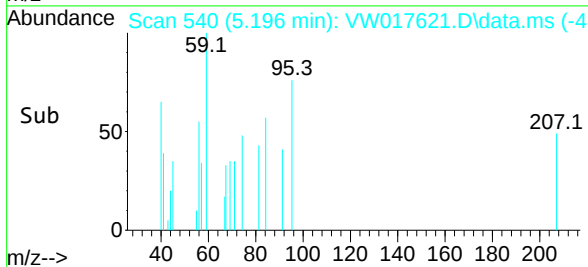
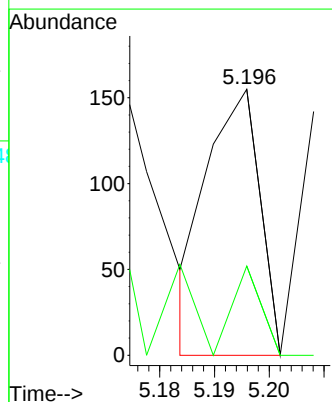
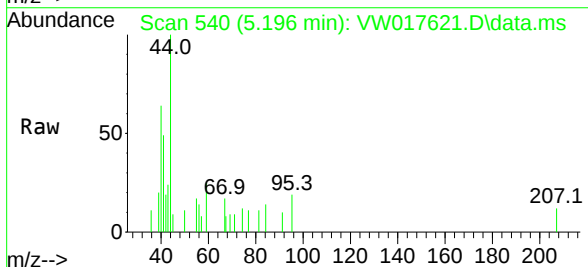
Instrument :
MSVOA_W
ClientSampled :

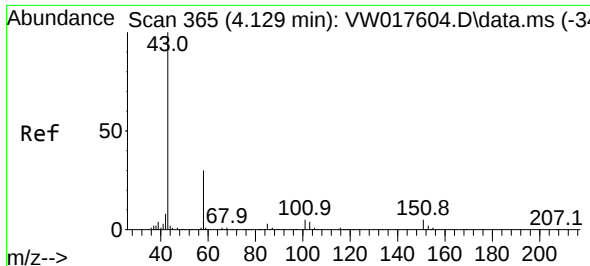
Tgt Ion:168 Resp: 279255
Ion Ratio Lower Upper
168 100
99 62.9 40.7 61.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.196 min Scan# 540
Delta R.T. 0.012 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

Tgt Ion: 59 Resp: 102
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#

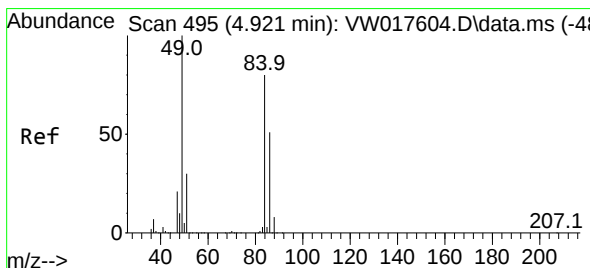
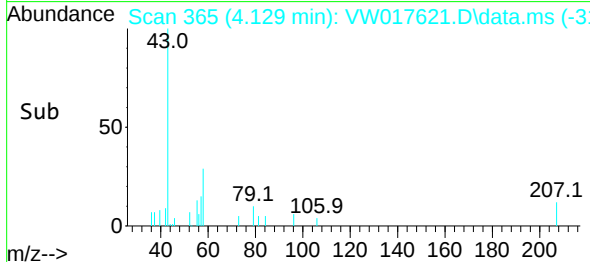
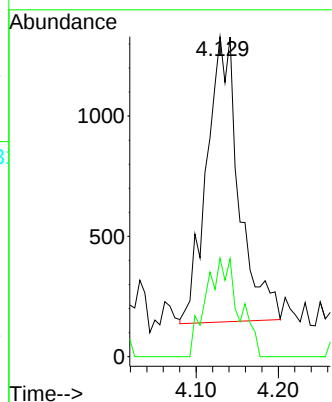
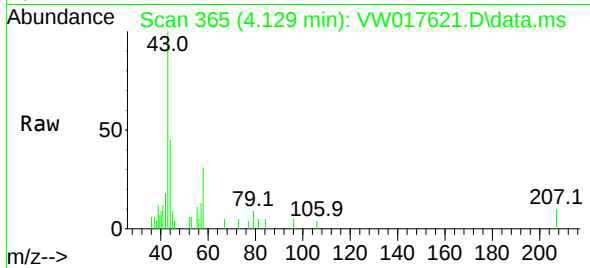




#16
Acetone
Concen: 4.39 ug/l
RT: 4.129 min Scan# 365
Delta R.T. 0.000 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

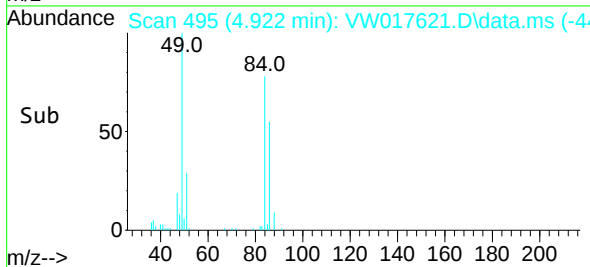
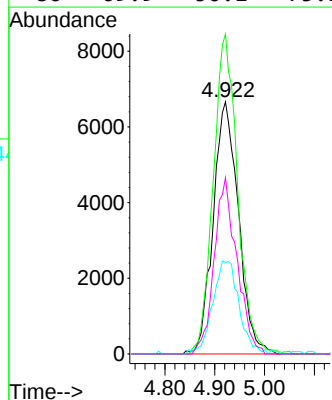
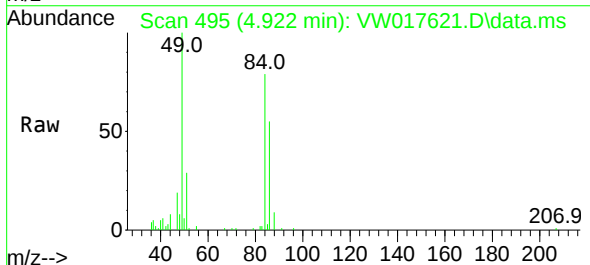
Instrument :
MSVOA_W
ClientSampled :

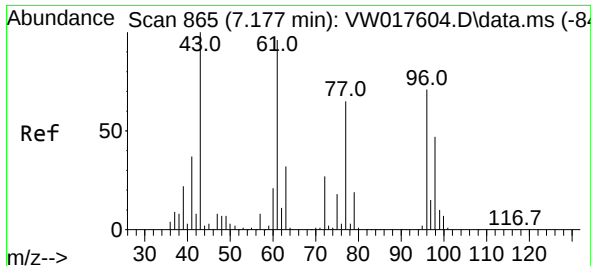
Tgt Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
58 34.8 25.7 38.5



#20
Methylene Chloride
Concen: 2.02 ug/l
RT: 4.922 min Scan# 495
Delta R.T. 0.001 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

Tgt Ion: 84 Resp: 23448
Ion Ratio Lower Upper
84 100
49 126.9 79.0 118.6#
51 36.3 26.1 39.1
86 69.9 50.1 75.1

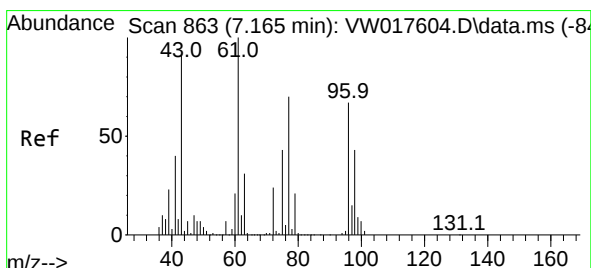
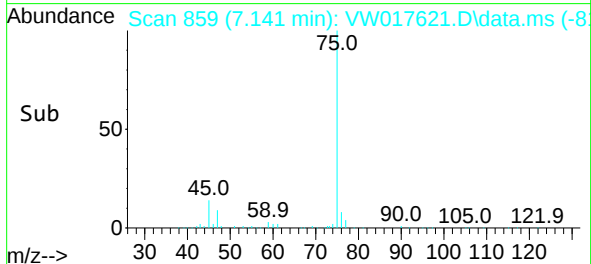
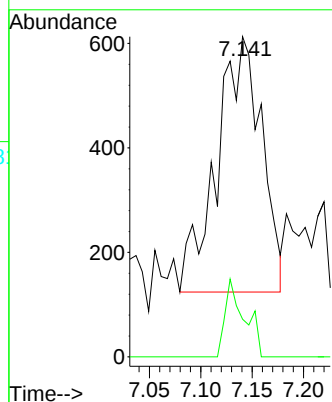
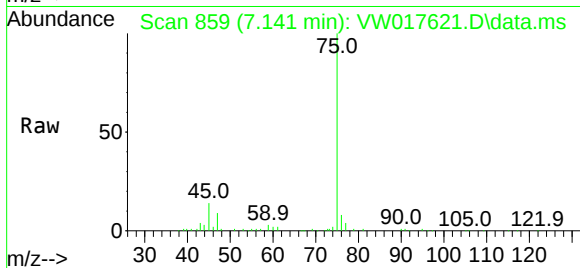




#25
2-Butanone
Concen: 1.51 ug/l
RT: 7.141 min Scan# 859
Delta R.T. -0.036 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

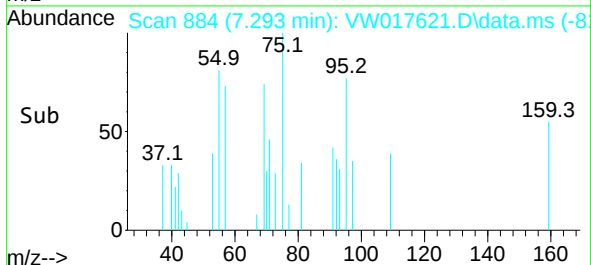
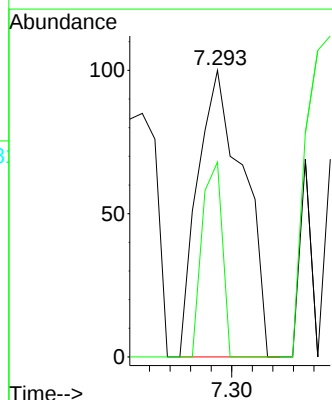
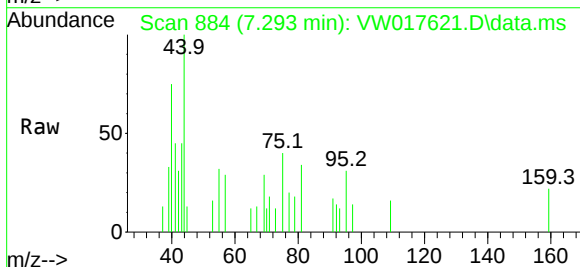
Instrument :
MSVOA_W
ClientSampled :

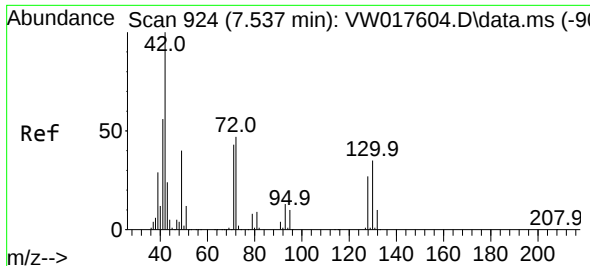
Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
72 14.7 25.4 38.2#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.293 min Scan# 884
Delta R.T. 0.128 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

Tgt Ion: 77 Resp: 154
Ion Ratio Lower Upper
77 100
97 29.9 12.4 37.4





#29

Tetrahydrofuran

Concen: 5.16 ug/l

RT: 7.531 min Scan# 923

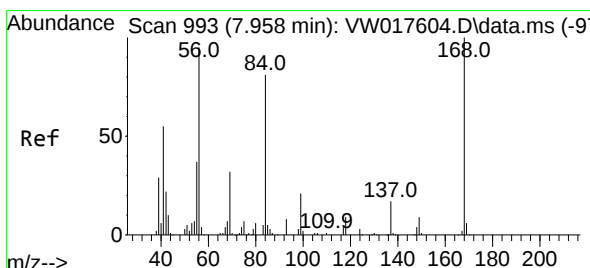
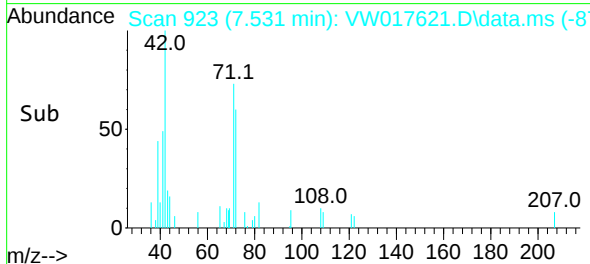
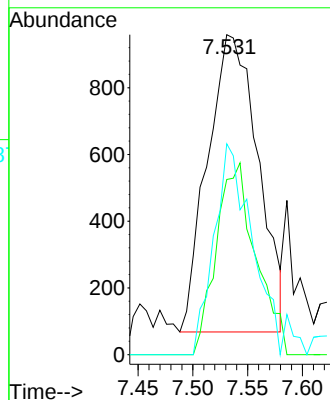
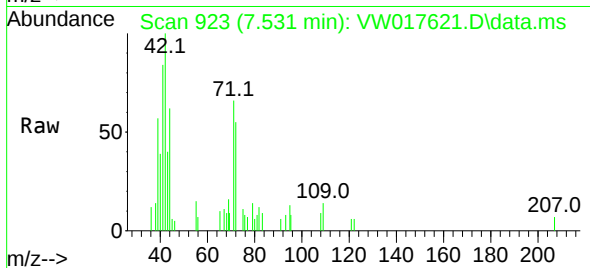
Delta R.T. -0.006 min

Lab File: VW017621.D

Acq: 14 Dec 2020 19:32

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:	42	Resp:	2859
Ion	Ratio	Lower	Upper
42	100		
72	50.4	42.0	63.0
71	52.7	39.0	58.6



#31

Cyclohexane

Concen: 1.25 ug/l

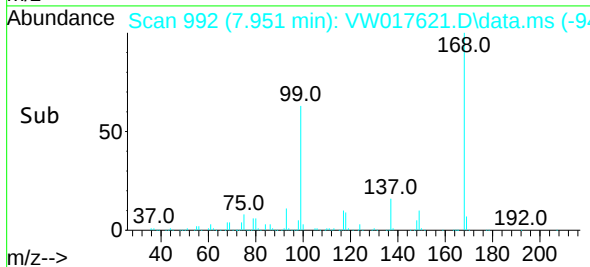
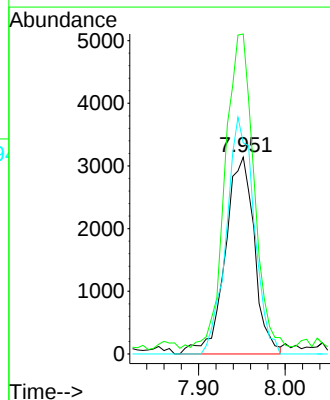
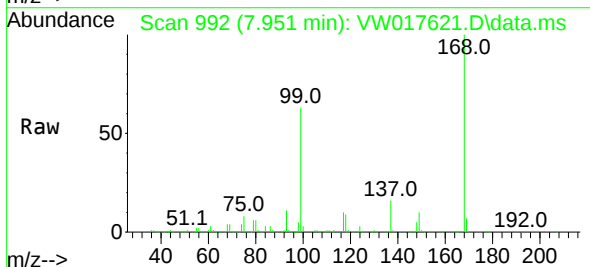
RT: 7.951 min Scan# 992

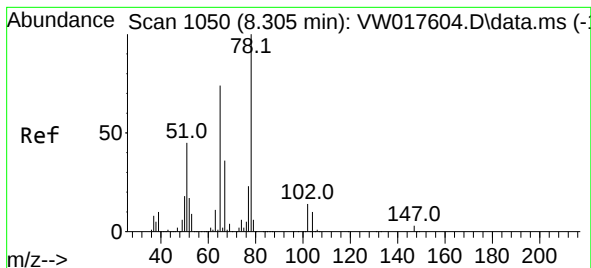
Delta R.T. -0.007 min

Lab File: VW017621.D

Acq: 14 Dec 2020 19:32

Tgt Ion:	56	Resp:	7346
Ion	Ratio	Lower	Upper
56	100		
69	159.7	29.3	43.9#
84	107.2	80.5	120.7

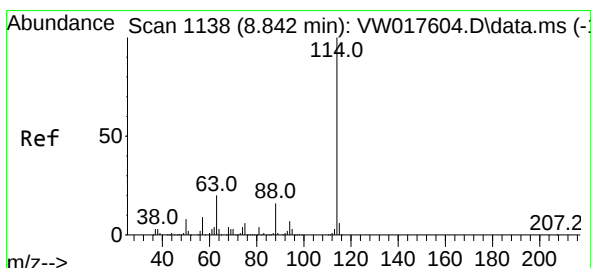
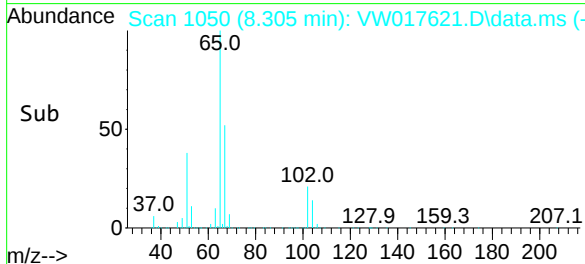
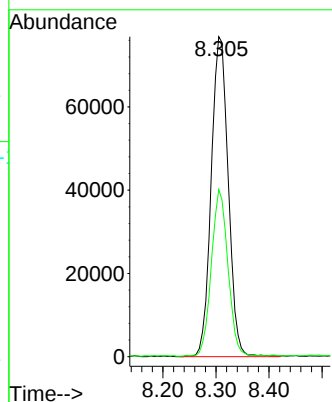
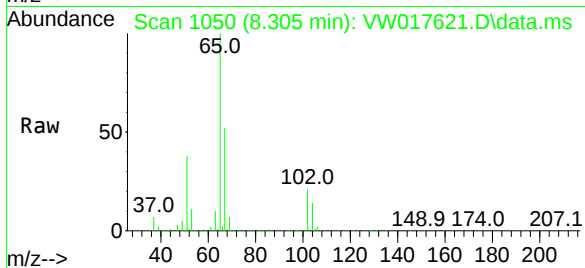




#33
 1,2-Dichloroethane-d4
 Concen: 50.46 ug/l
 RT: 8.305 min Scan# 1050
 Delta R.T. 0.000 min
 Lab File: VW017621.D
 Acq: 14 Dec 2020 19:32

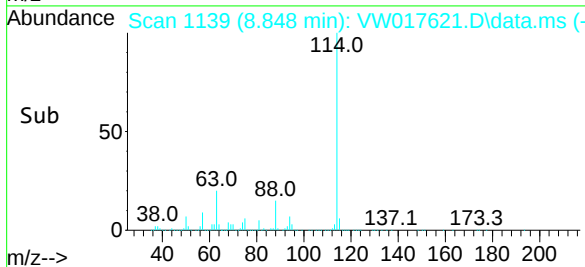
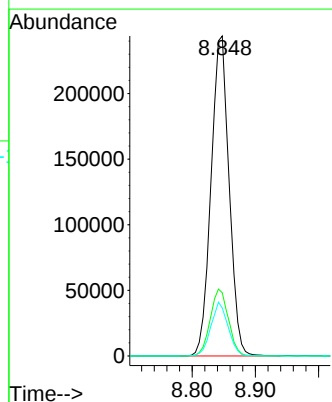
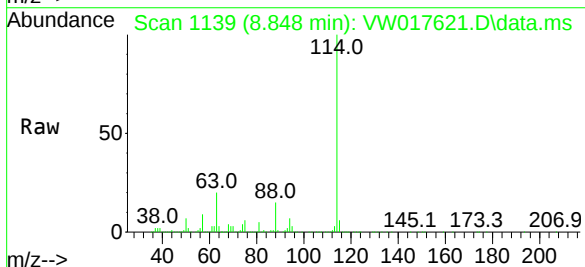
Instrument :
 MSVOA_W
 ClientSampleId :

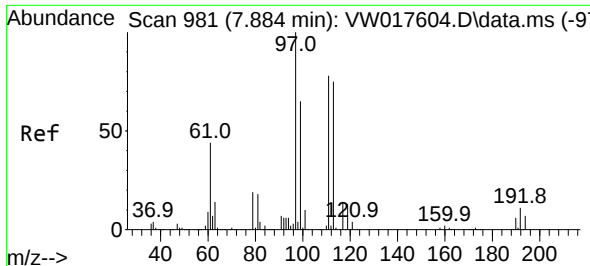
Tgt Ion: 65 Resp: 171636
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.848 min Scan# 1139
 Delta R.T. 0.006 min
 Lab File: VW017621.D
 Acq: 14 Dec 2020 19:32

Tgt Ion: 114 Resp: 483075
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 35.6
 88 15.0 0.0 30.4

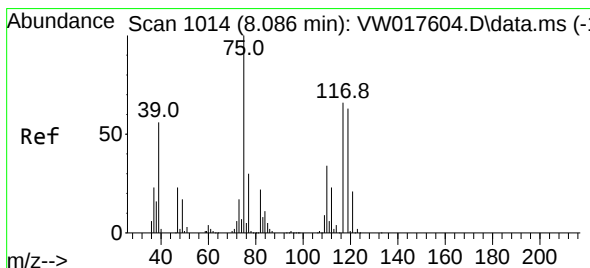
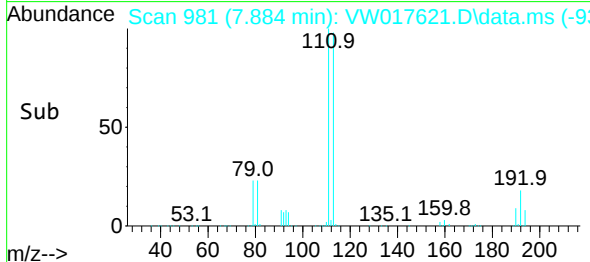
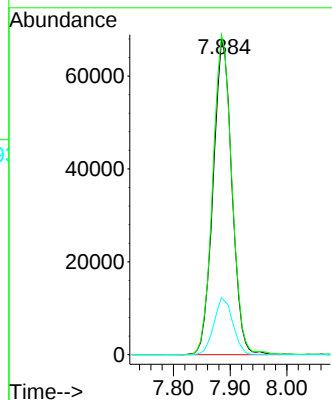
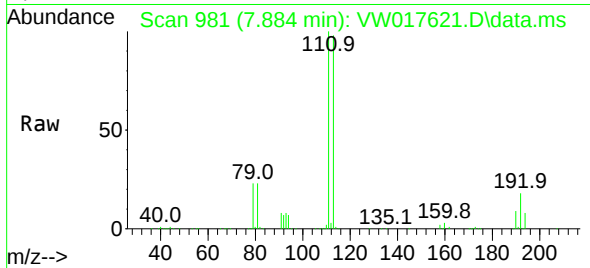




#35
Dibromofluoromethane
Concen: 48.90 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

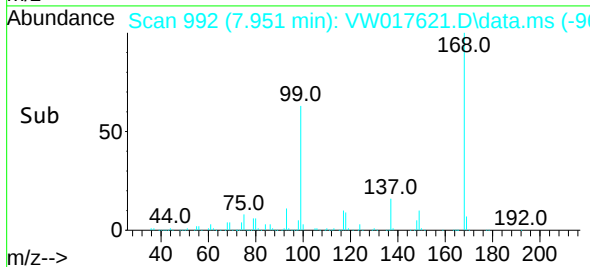
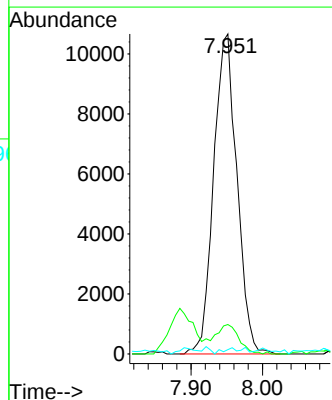
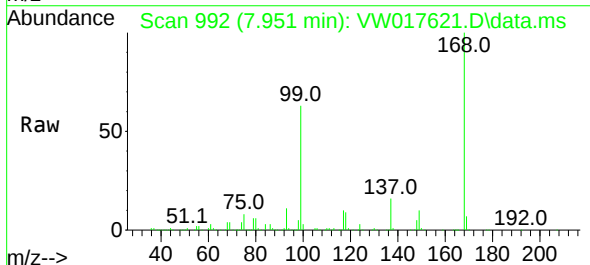
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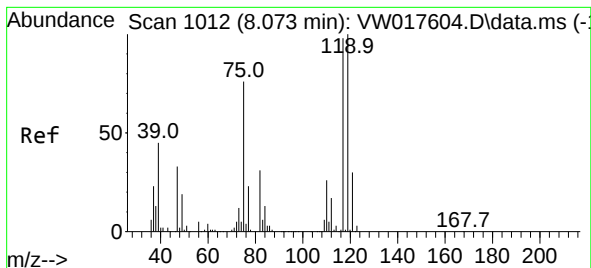
Tgt Ion:113 Resp: 156311
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.2
192 18.2 17.8 26.8



#36
1,1-Dichloropropene
Concen: 4.77 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.135 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

Tgt Ion: 75 Resp: 24140
Ion Ratio Lower Upper
75 100
110 8.6 19.3 57.9#
77 1.2 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.74 ug/l

RT: 7.945 min Scan# 991

Delta R.T. -0.128 min

Lab File: VW017621.D

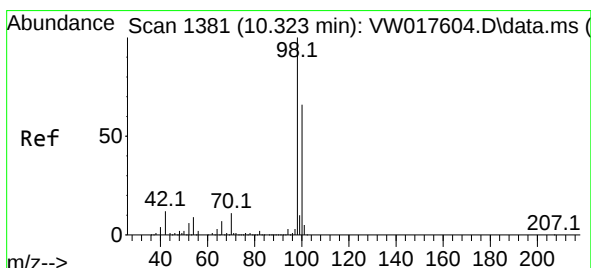
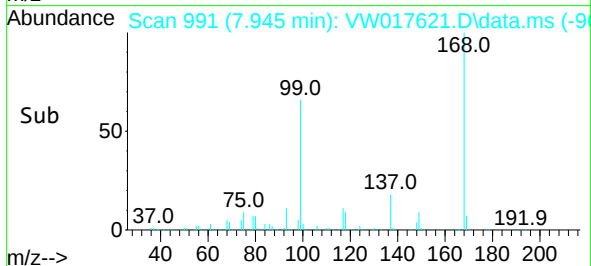
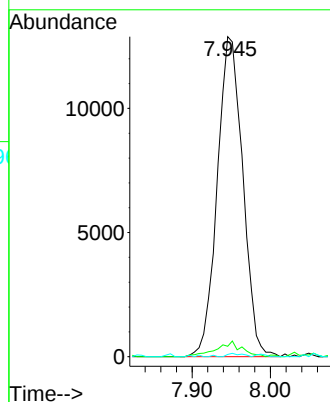
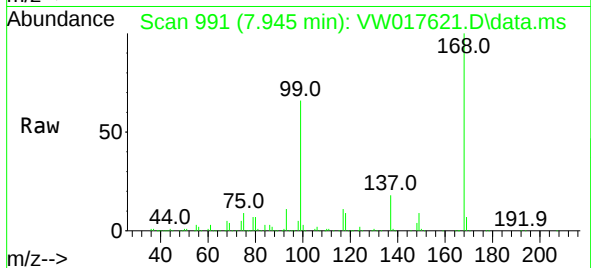
Acq: 14 Dec 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:117	Resp:	29176
Ion Ratio	Lower	Upper
117	100	
119	3.3	81.6 122.4#
121	0.7	25.7 38.5#



#50

Toluene-d8

Concen: 46.16 ug/l

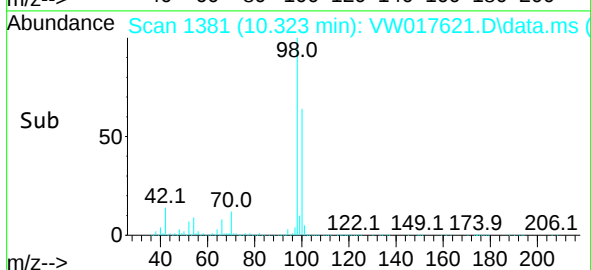
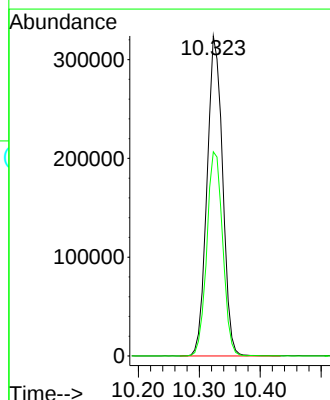
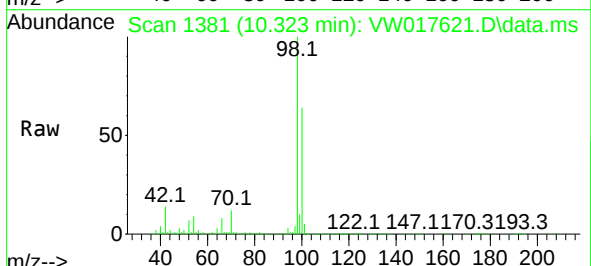
RT: 10.323 min Scan# 1381

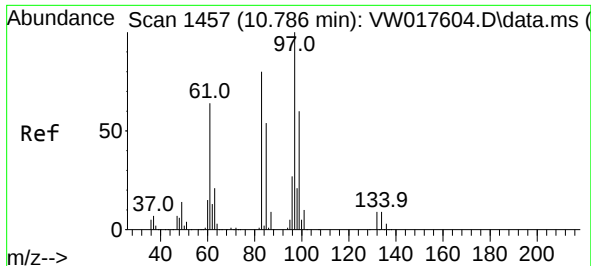
Delta R.T. 0.000 min

Lab File: VW017621.D

Acq: 14 Dec 2020 19:32

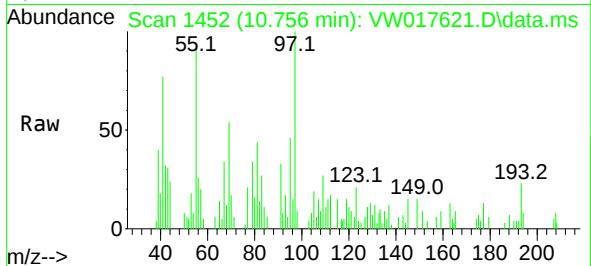
Tgt Ion: 98	Resp:	574555
Ion Ratio	Lower	Upper
98	100	
100	65.0	53.3 79.9



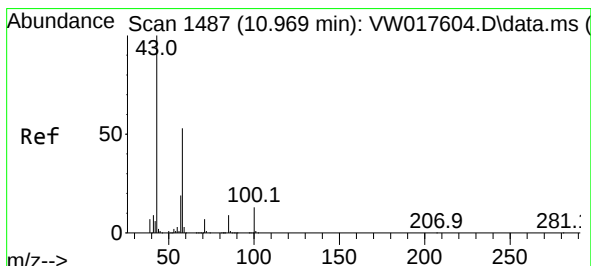
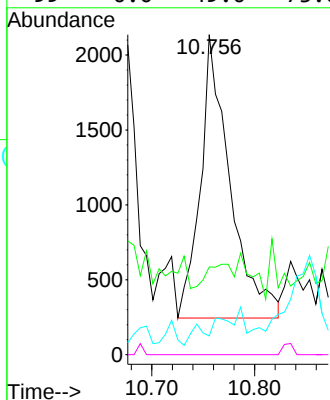
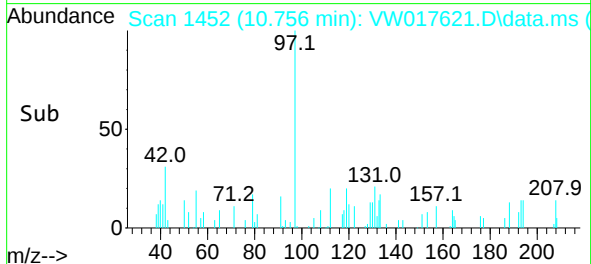


#55
1,1,2-Trichloroethane
Concen: 1.53 ug/l
RT: 10.756 min Scan# 1452
Delta R.T. -0.030 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

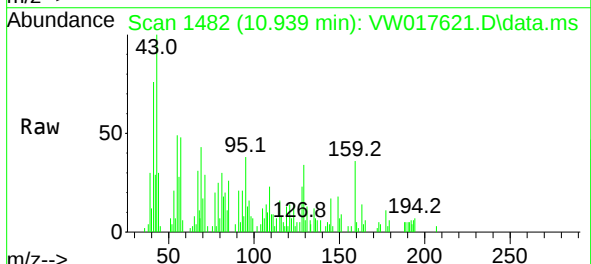
Instrument :
MSVOA_W
ClientSampled :



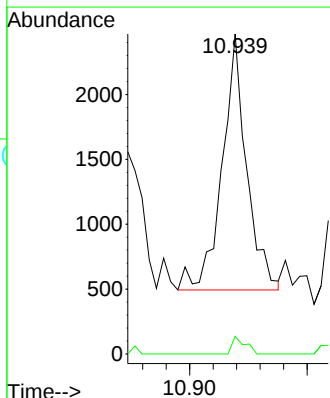
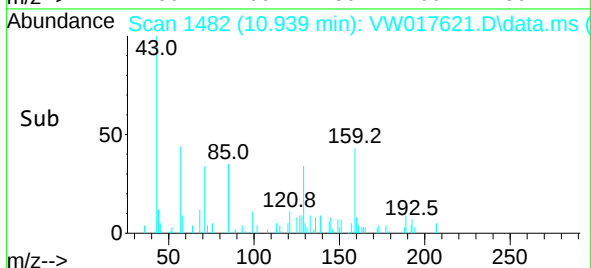
Tgt Ion: 97	Resp: 3780
Ion Ratio	Lower Upper
97 100	
83 7.4	64.6 97.0#
85 1.4	40.6 61.0#
99 0.0	49.0 73.6#

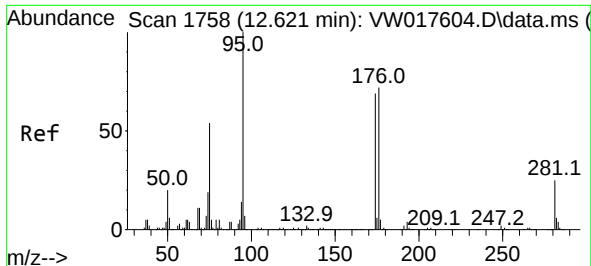


#59
2-Hexanone
Concen: 2.16 ug/l
RT: 10.939 min Scan# 1482
Delta R.T. -0.030 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32



Tgt Ion: 43	Resp: 2856
Ion Ratio	Lower Upper
43 100	
58 3.6	29.5 88.5#

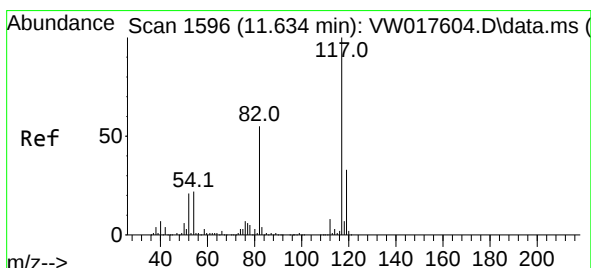
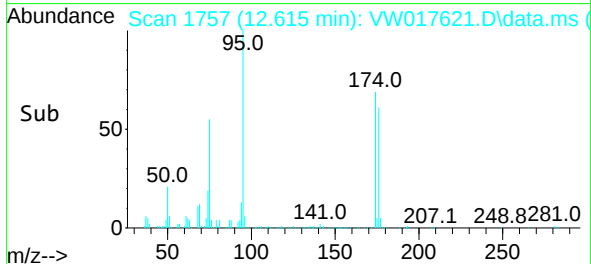
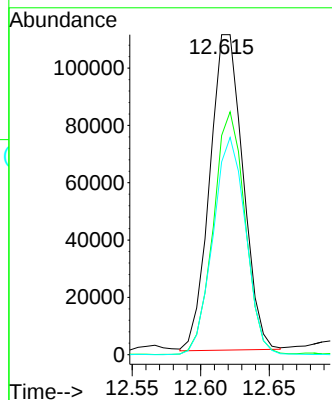
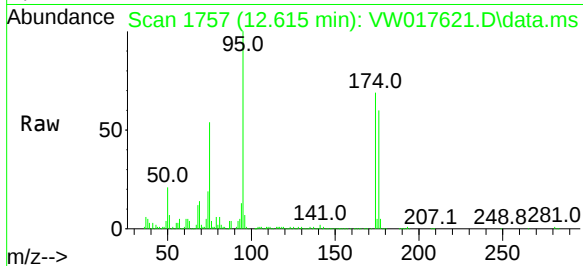




#62
4-Bromofluorobenzene
Concen: 41.82 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.006 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

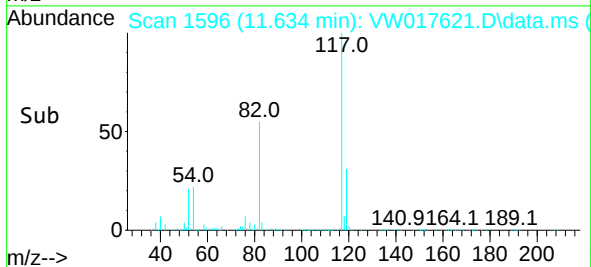
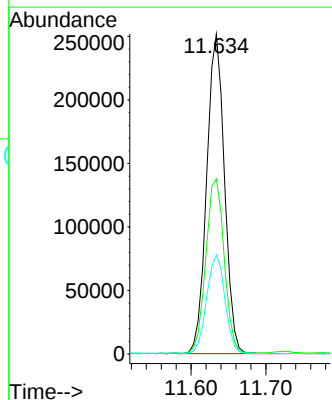
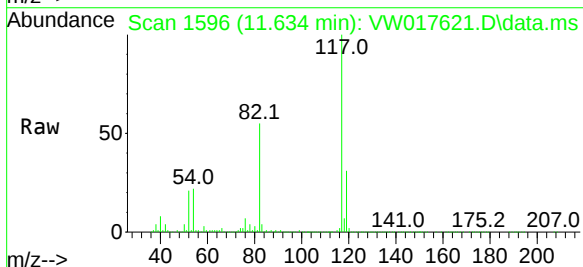
Instrument :
MSVOA_W
ClientSampleId :

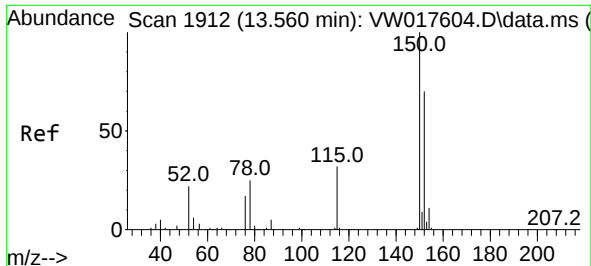
Tgt Ion: 95 Resp: 185837
Ion Ratio Lower Upper
95 100
174 73.4 0.0 180.6
176 68.0 0.0 177.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

Tgt Ion:117 Resp: 415835
Ion Ratio Lower Upper
117 100
82 54.5 40.7 61.1
119 30.8 25.0 37.4

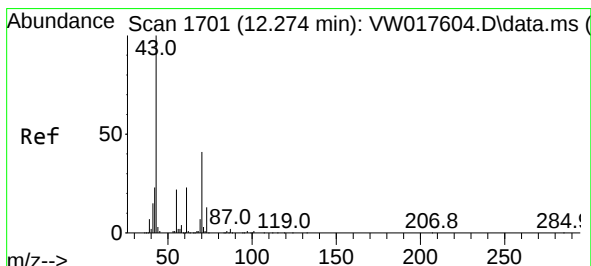
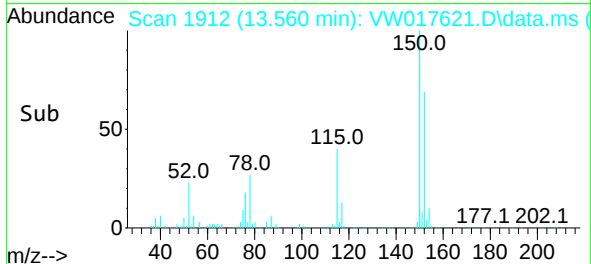
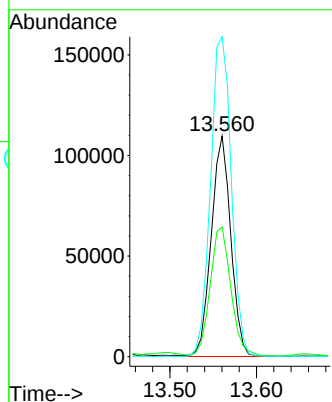
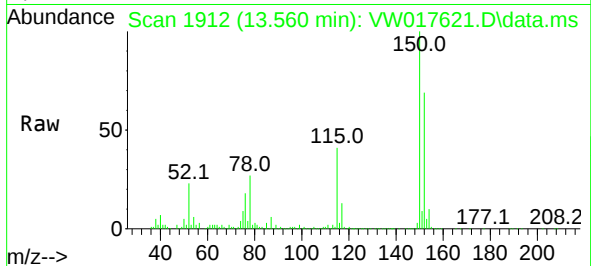




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

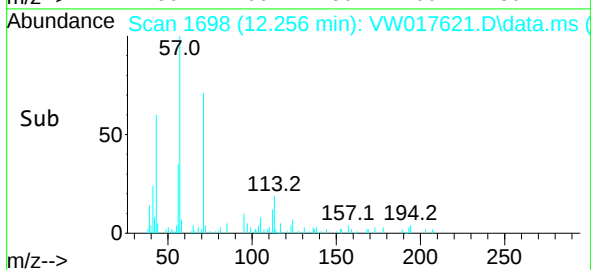
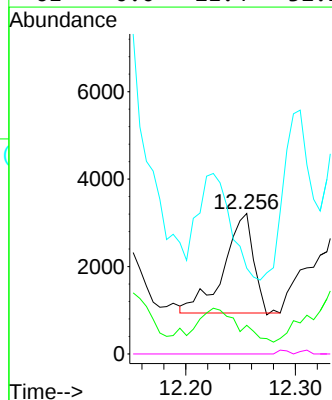
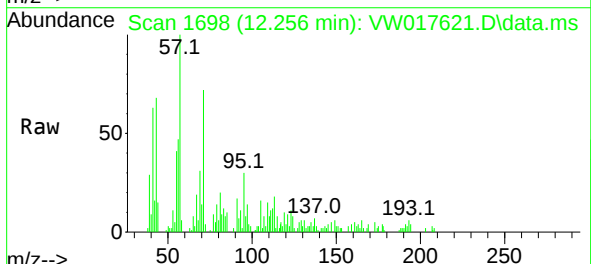
Instrument :
MSVOA_W
ClientSampleId :

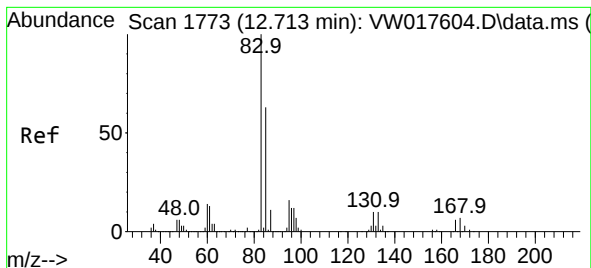
Tgt Ion:152 Resp: 171832
Ion Ratio Lower Upper
152 100
115 61.8 27.9 83.7
150 154.1 0.0 344.0



#74
N-ethyl acetate
Concen: 1.50 ug/l
RT: 12.256 min Scan# 1698
Delta R.T. -0.018 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

Tgt Ion: 43 Resp: 4277
Ion Ratio Lower Upper
43 100
70 0.0 40.2 60.4#
55 0.0 21.4 32.0#
61 0.0 21.4 32.2#

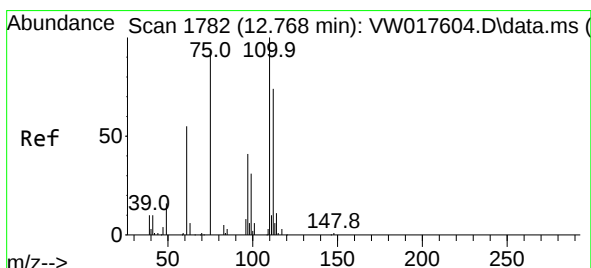
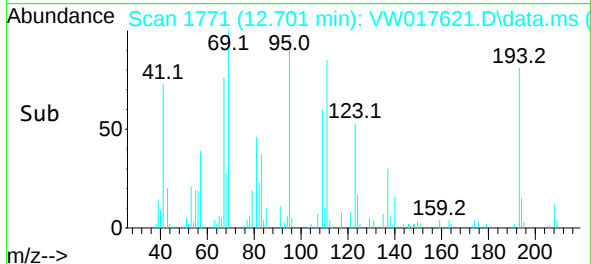
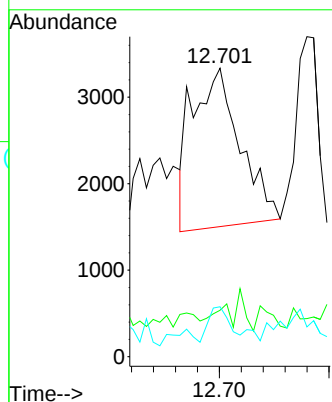
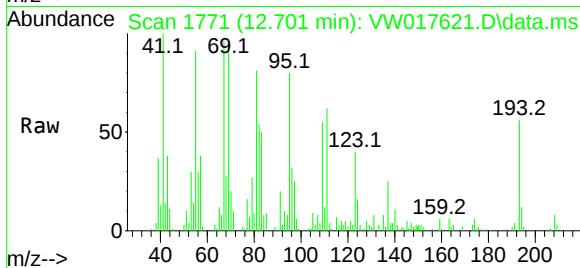




#75
1,1,2,2-Tetrachloroethane
Concen: 2.45 ug/l
RT: 12.701 min Scan# 1771
Delta R.T. -0.012 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

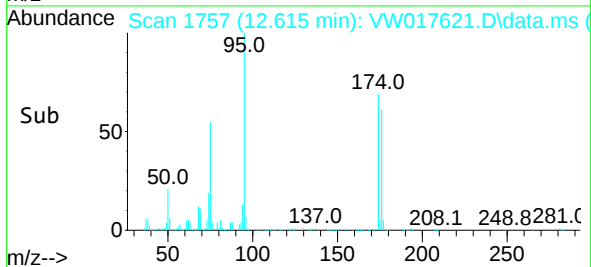
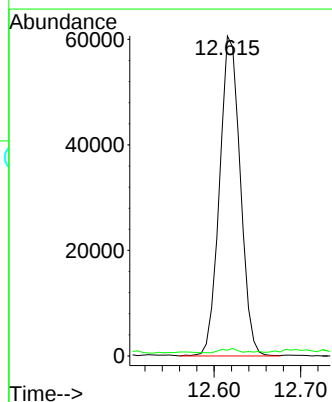
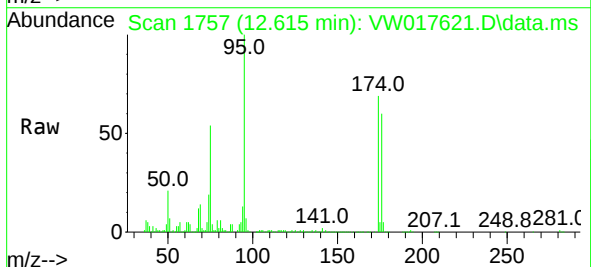
Instrument :
MSVOA_W
ClientSampleId :

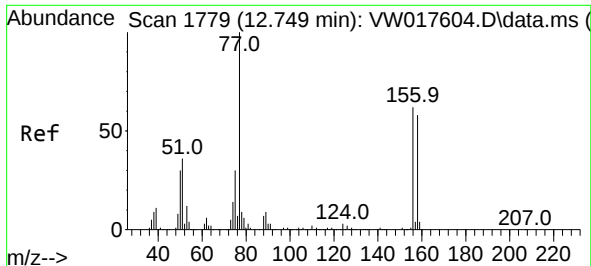
Tgt Ion: 83 Resp: 5549
Ion Ratio Lower Upper
83 100
131 4.1 6.1 18.3#
85 10.4 32.7 98.1#



#76
1,2,3-Trichloropropane
Concen: 61.02 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.153 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

Tgt Ion: 75 Resp: 100932
Ion Ratio Lower Upper
75 100
77 1.3 178.8 536.3#

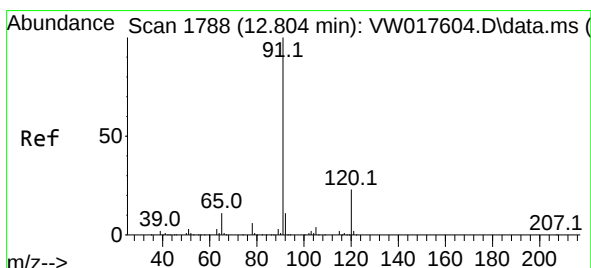
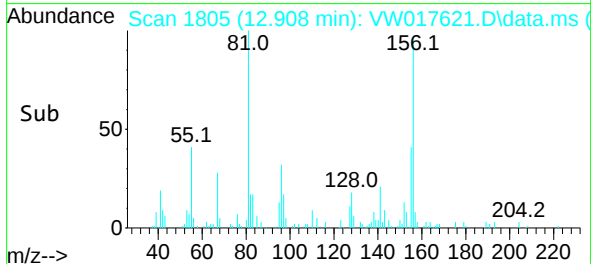
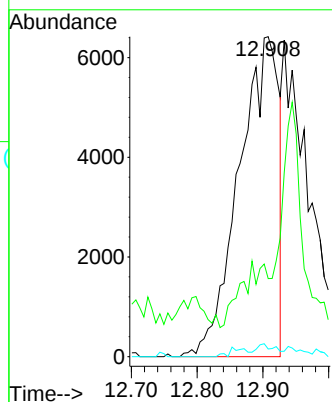
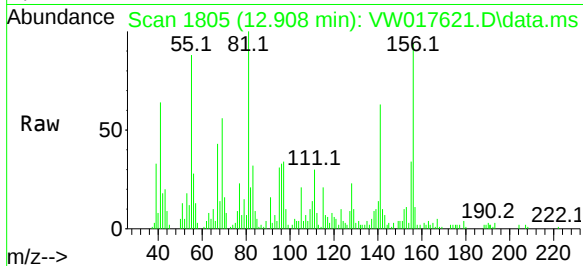




#77
Bromobenzene
Concen: 9.18 ug/l
RT: 12.908 min Scan# 1805
Delta R.T. 0.159 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

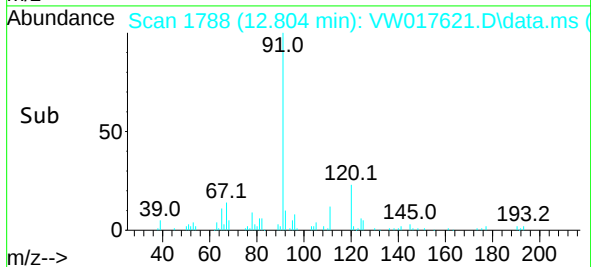
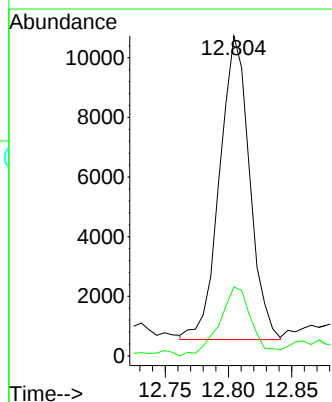
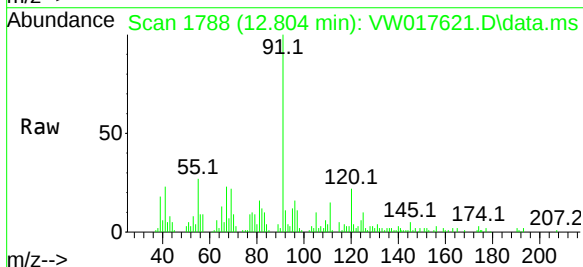
Instrument :
MSVOA_W
ClientSampleId :

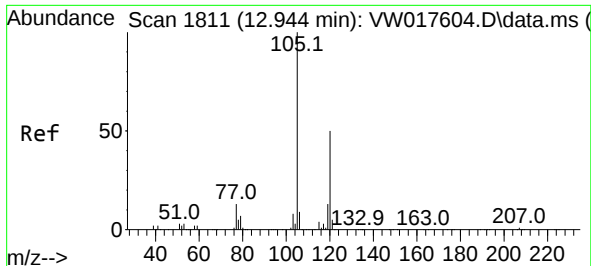
Tgt Ion:156 Resp: 26699
Ion Ratio Lower Upper
156 100
77 0.0 79.0 237.2#
158 1.9 47.0 141.2#



#78
n-propylbenzene
Concen: 1.04 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

Tgt Ion: 91 Resp: 16768
Ion Ratio Lower Upper
91 100
120 24.5 12.0 36.1

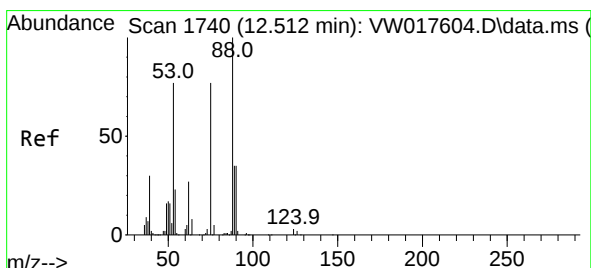
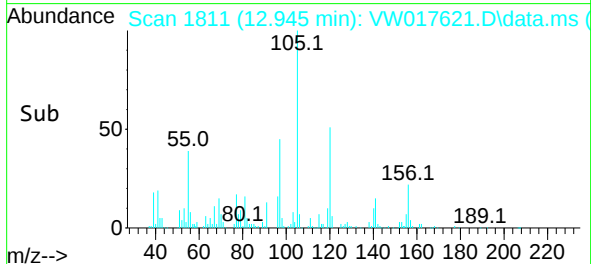
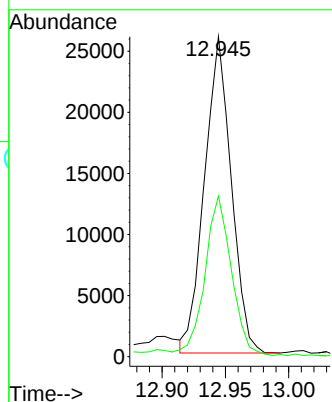
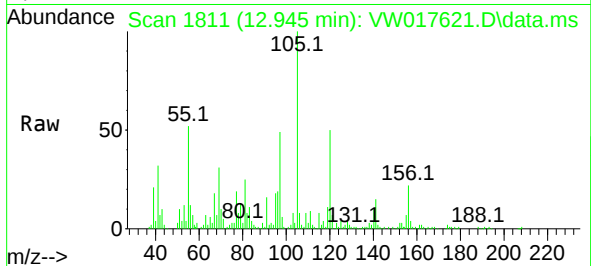




#80
1,3,5-Trimethylbenzene
Concen: 3.31 ug/l
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

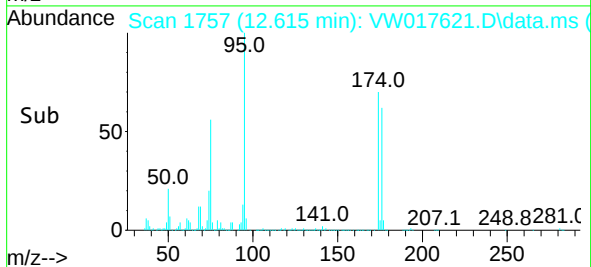
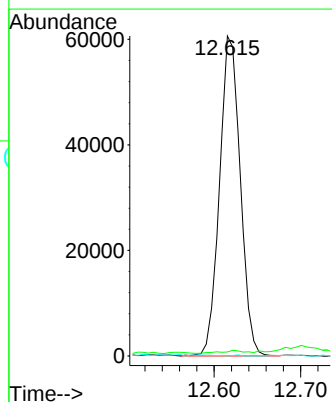
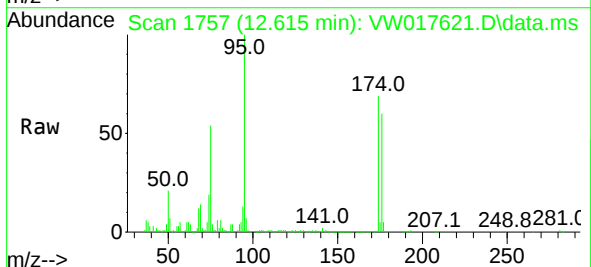
Instrument :
MSVOA_W
ClientSampleId :

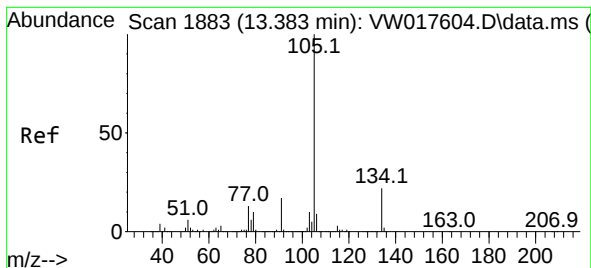
Tgt Ion:105 Resp: 38107
Ion Ratio Lower Upper
105 100
120 49.8 24.9 74.8



#81
trans-1,4-Dichloro-2-butene
Concen: 123.63 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

Tgt Ion: 75 Resp: 100932
Ion Ratio Lower Upper
75 100
53 1.0 77.0 115.4#
89 0.1 38.7 58.1#

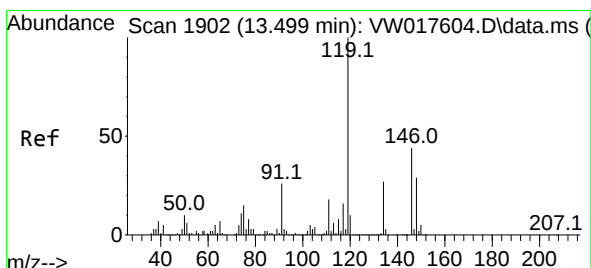
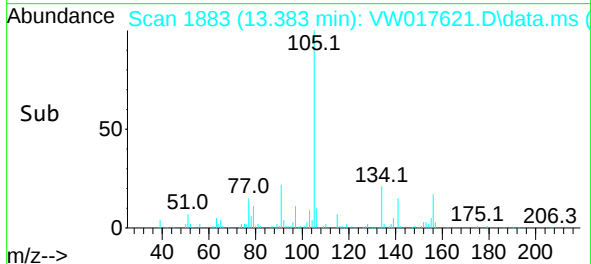
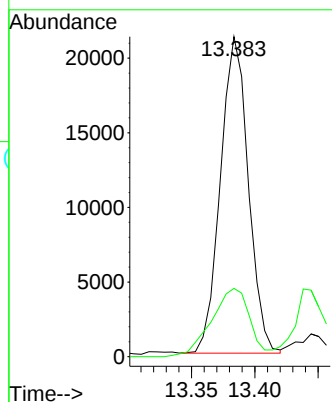
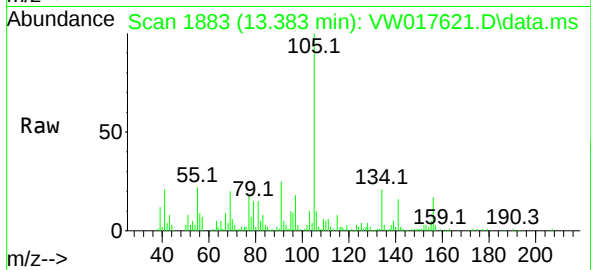




#85
 sec-Butylbenzene
 Concen: 2.36 ug/l
 RT: 13.383 min Scan# 1883
 Delta R.T. 0.000 min
 Lab File: VW017621.D
 Acq: 14 Dec 2020 19:32

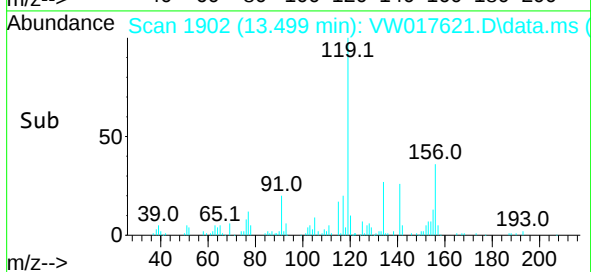
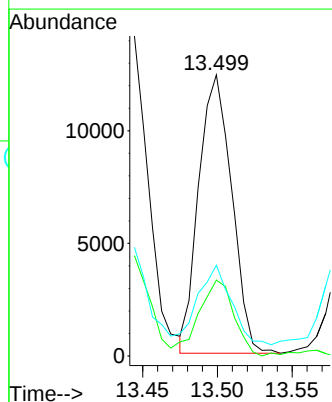
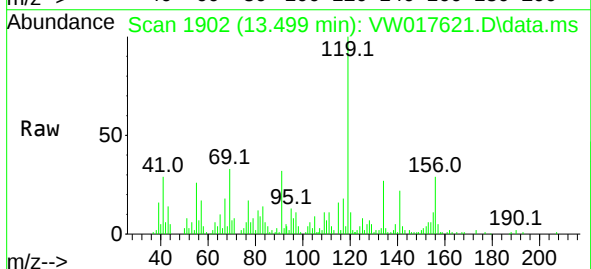
Instrument :
 MSVOA_W
 ClientSampled :

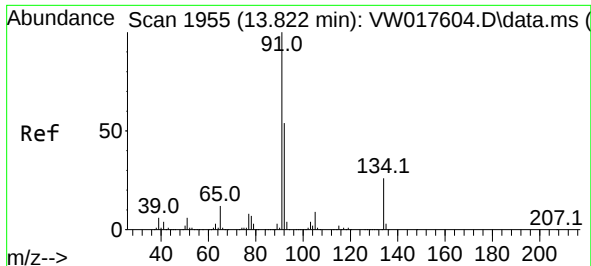
Tgt Ion:105 Resp: 32544
 Ion Ratio Lower Upper
 105 100
 134 29.7 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 1.52 ug/l
 RT: 13.499 min Scan# 1902
 Delta R.T. 0.000 min
 Lab File: VW017621.D
 Acq: 14 Dec 2020 19:32

Tgt Ion:119 Resp: 18977
 Ion Ratio Lower Upper
 119 100
 134 29.0 13.8 41.3
 91 29.1 11.3 33.9

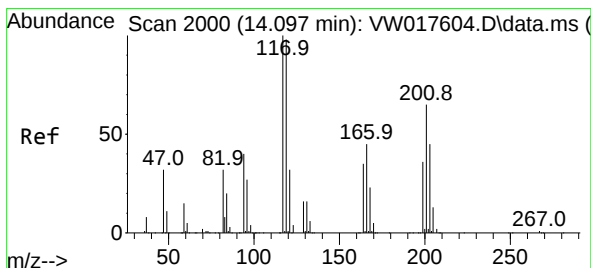
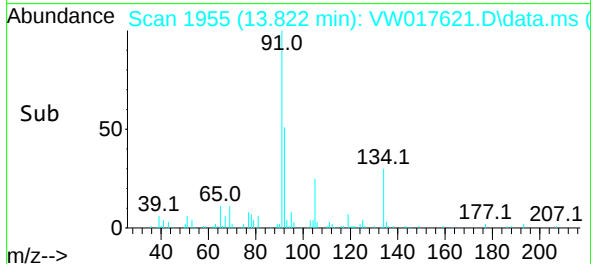
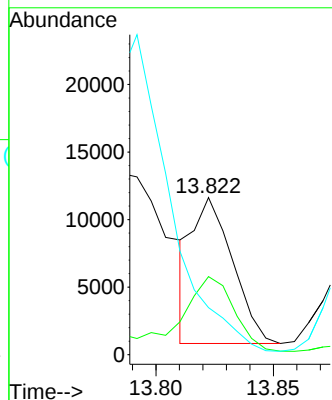
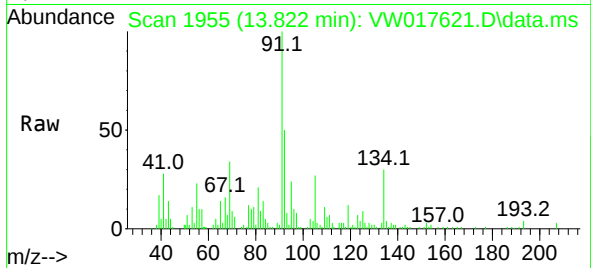




#89
n-Butylbenzene
Concen: 1.05 ug/l
RT: 13.822 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

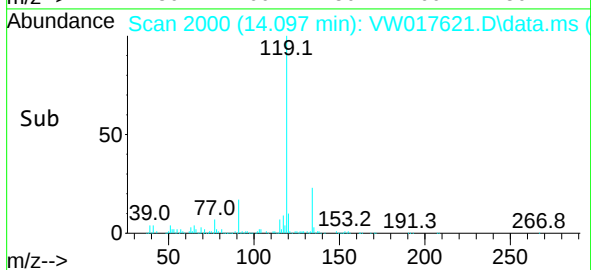
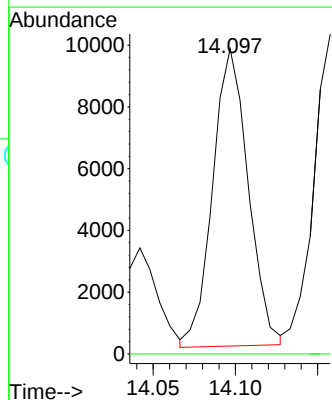
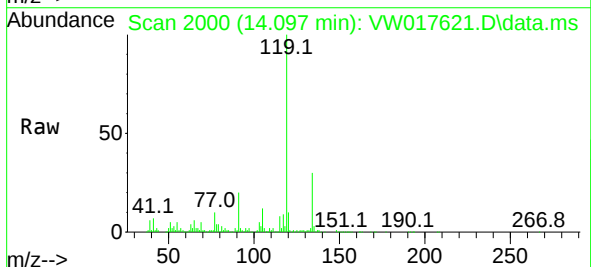
Instrument :
MSVOA_W
ClientSampleId :

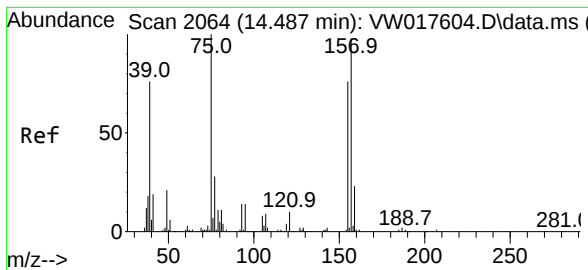
Tgt Ion: 91 Resp: 12812
Ion Ratio Lower Upper
91 100
92 76.1 26.6 79.7
134 0.0 14.3 42.9#



#90
Hexachloroethane
Concen: 5.90 ug/l
RT: 14.097 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VW017621.D
Acq: 14 Dec 2020 19:32

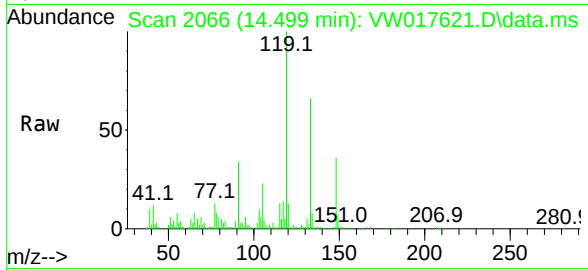
Tgt Ion: 117 Resp: 14443
Ion Ratio Lower Upper
117 100
201 0.0 41.9 125.7#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.07 ug/l
 RT: 14.499 min Scan# 2066
 Delta R.T. 0.012 min
 Lab File: VW017621.D
 Acq: 14 Dec 2020 19:32

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 440
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.6 142.8#
 157 17.5 62.2 186.6#

