

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121520\
 Data File : VW017643.D
 Acq On : 15 Dec 2020 19:06
 Operator : SY/VA
 Sample : L5037-03
 Misc : 3.38G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 16 02:42:01 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)

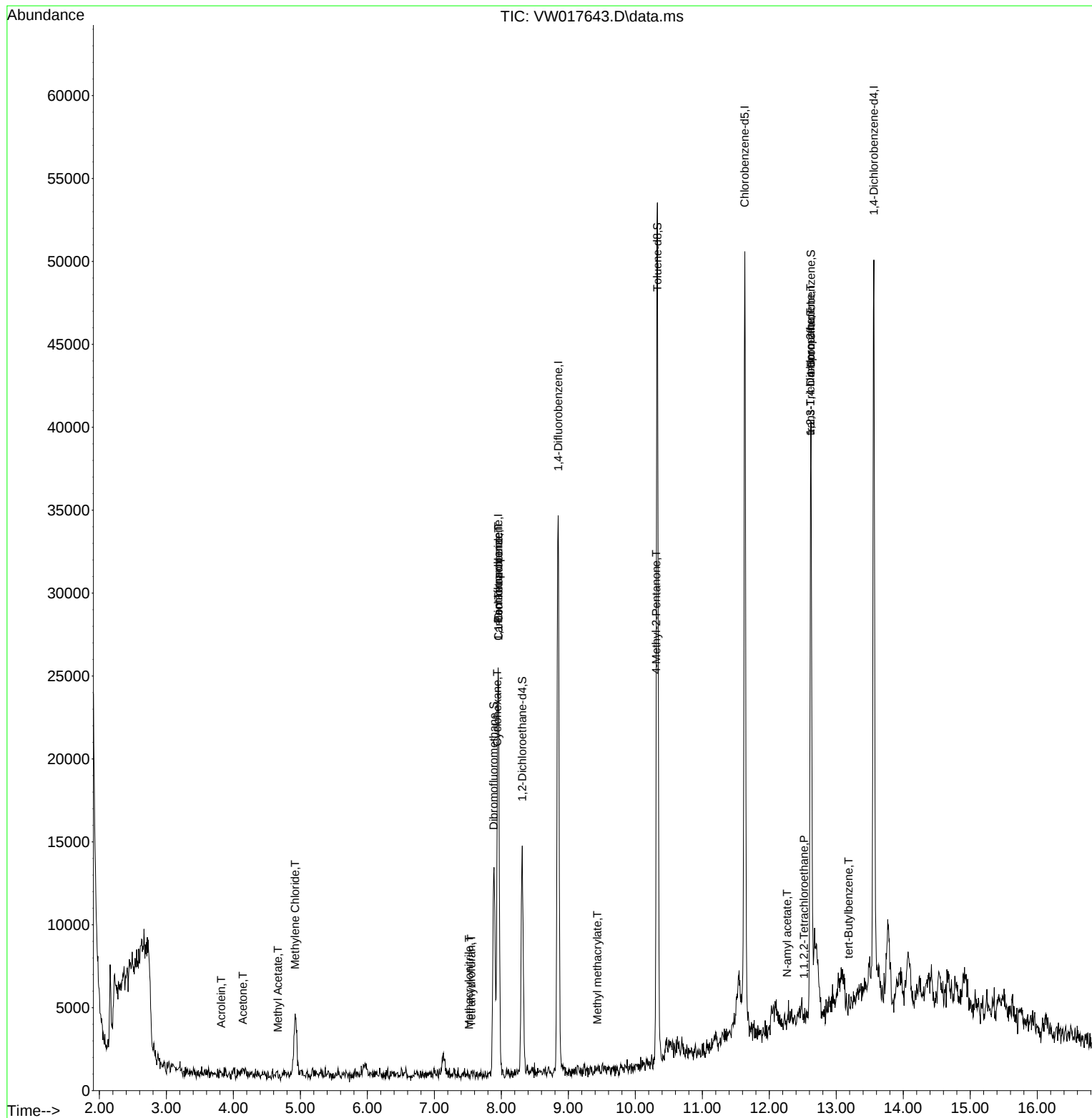
Internal Standards						
1) Pentafluorobenzene	7.952	168	17893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	28865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	23666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	10208	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	10643	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.66%	
35) Dibromofluoromethane	7.884	113	9055	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
50) Toluene-d8	10.329	98	34134	45.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.80%	
62) 4-Bromofluorobenzene	12.621	95	11058	41.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.30%	
Target Compounds						
					Qvalue	
13) Acrolein	3.818	56	46	3.50	ug/l #	78
16) Acetone	4.141	43	559	11.79	ug/l #	43
18) Methyl Acetate	4.666	43	118	1.22	ug/l #	45
20) Methylene Chloride	4.922	84	2575	8.03	ug/l #	78
26) 2,2-Dichloropropane	7.159	77	28	Below Cal	#	50
29) Tetrahydrofuran	7.549	42	45	1.27	ug/l #	27
31) Cyclohexane	7.939	56	412	1.09	ug/l #	43
36) 1,1-Dichloropropene	7.958	75	1736	5.74	ug/l #	46
38) Carbon Tetrachloride	7.958	117	2084	6.86	ug/l #	10
41) Methacrylonitrile	7.519	41	235	3.29	ug/l #	27
48) Methyl methacrylate	9.433	41	187	1.61	ug/l #	24
51) 4-Methyl-2-Pentanone	10.311	43	854	7.24	ug/l	92
74) N-amyl acetate	12.268	43	234	1.38	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	12.518	83	198	1.47	ug/l	81
76) 1,2,3-Trichloropropane	12.615	75	6495	66.10	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.615	75	6495	133.92	ug/l #	13
83) tert-Butylbenzene	13.182	119	843	1.44	ug/l #	71

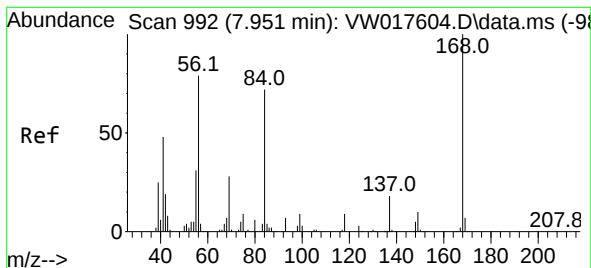
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 02:42:01 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

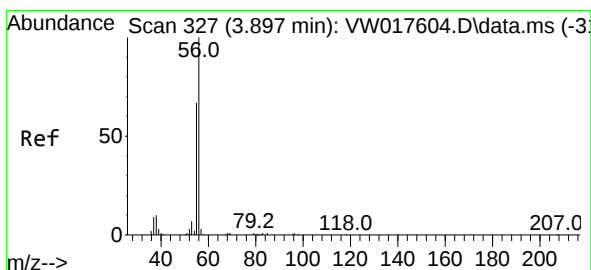
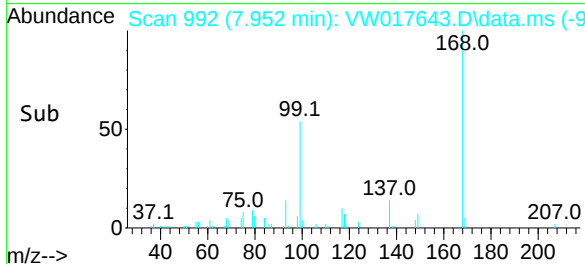
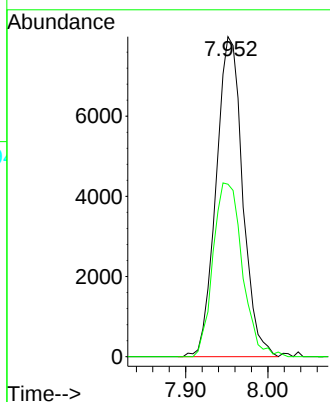
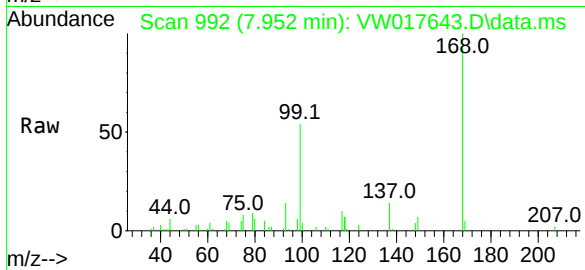




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

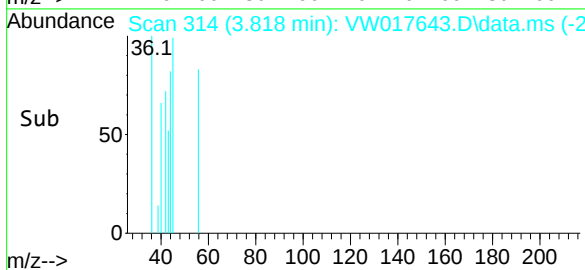
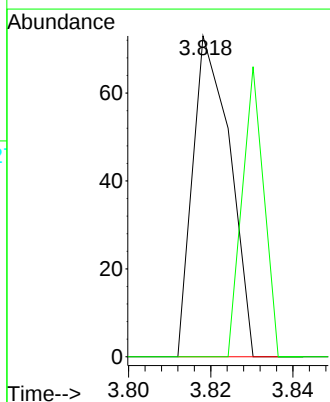
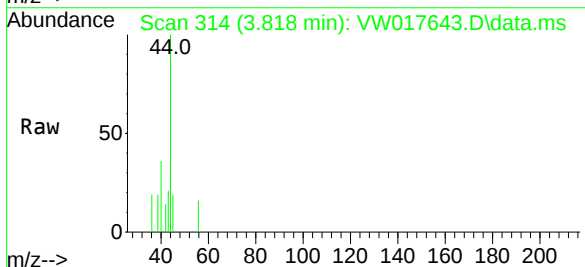
Instrument :
MSVOA_W
ClientSampled :

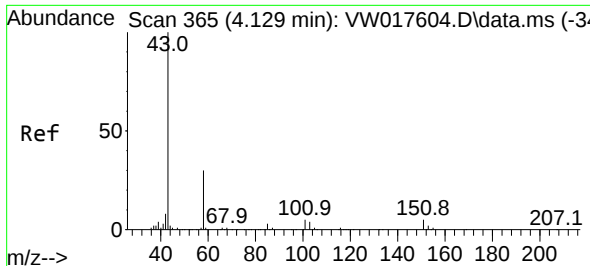
Tgt Ion:168 Resp: 17893
Ion Ratio Lower Upper
168 100
99 53.9 40.7 61.1



#13
Acrolein
Concen: 3.50 ug/l
RT: 3.818 min Scan# 314
Delta R.T. -0.079 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 52.2 55.9 83.9#

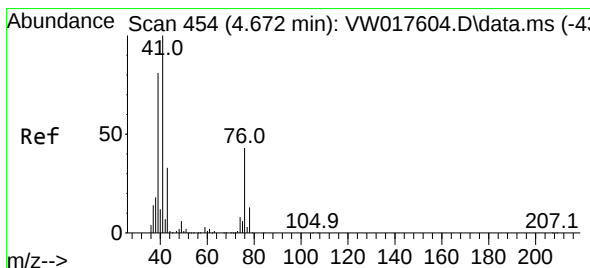
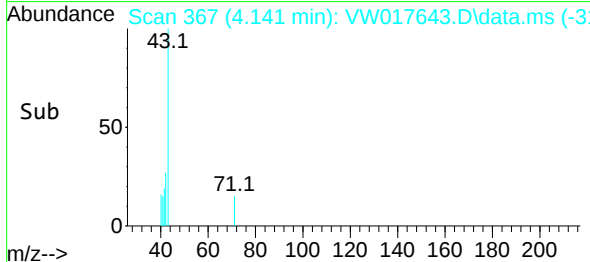
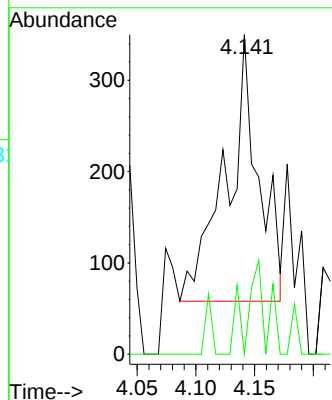
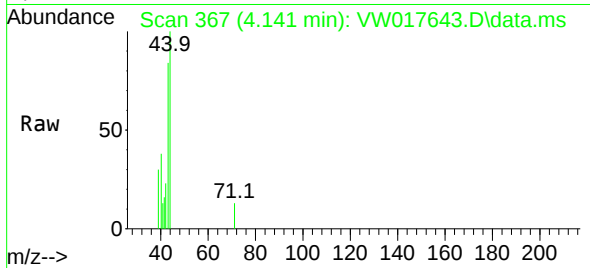




#16
Acetone
Concen: 11.79 ug/l
RT: 4.141 min Scan# 367
Delta R.T. 0.012 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

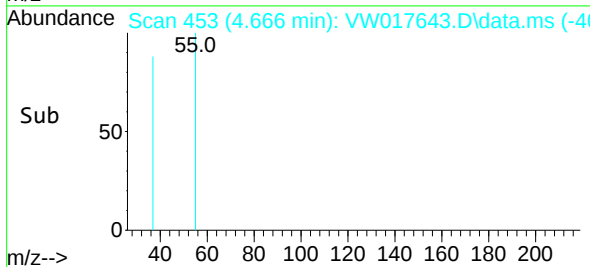
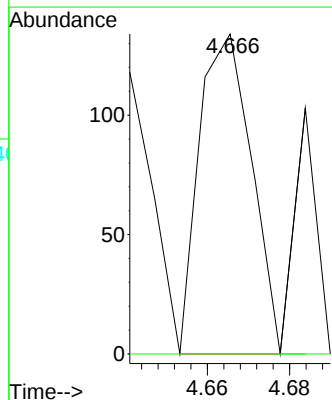
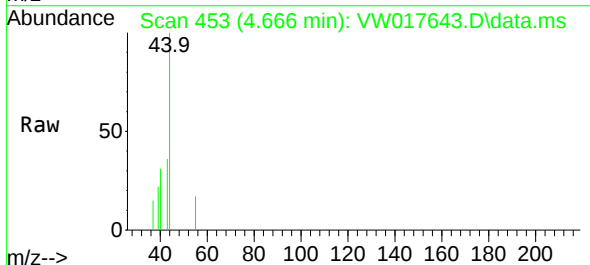
Instrument :
MSVOA_W
ClientSampleId :

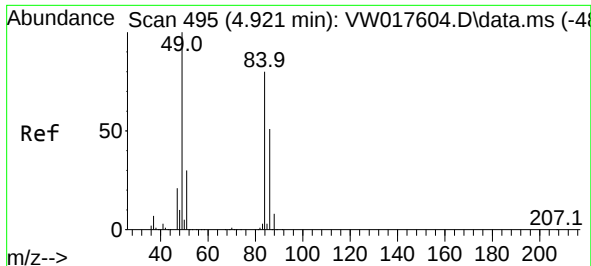
Tgt Ion: 43 Resp: 559
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#



#18
Methyl Acetate
Concen: 1.22 ug/l
RT: 4.666 min Scan# 453
Delta R.T. -0.006 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
74 0.0 23.8 35.6#





#20

Methylene Chloride

Concen: 8.03 ug/l

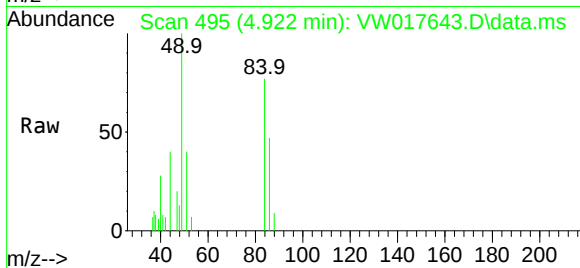
RT: 4.922 min Scan# 495

Delta R.T. 0.001 min

Lab File: VW017643.D

Acq: 15 Dec 2020 19:06

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 84 Resp: 2575

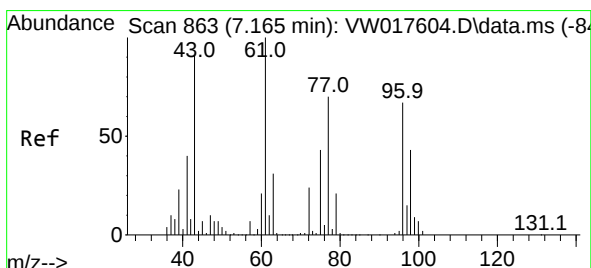
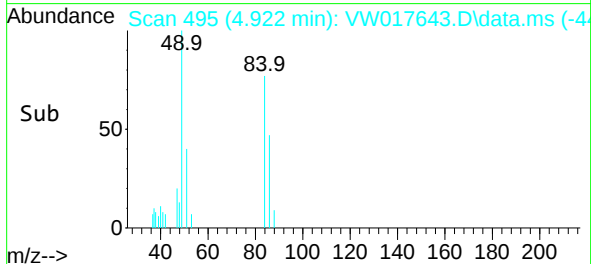
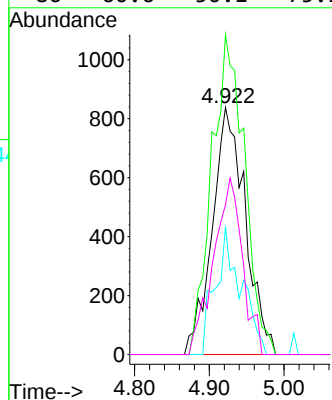
Ion Ratio Lower Upper

84 100

49 129.5 79.0 118.6#

51 51.8 26.1 39.1#

86 60.6 50.1 75.1



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.159 min Scan# 862

Delta R.T. -0.006 min

Lab File: VW017643.D

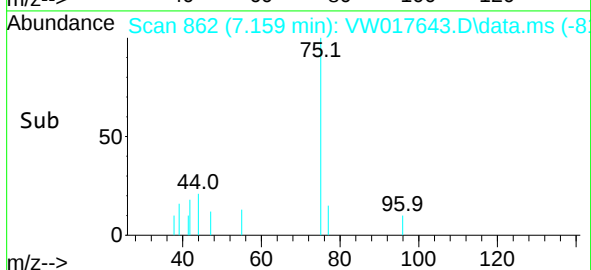
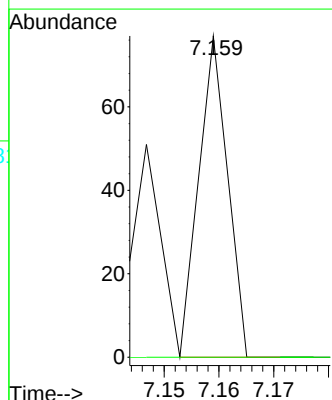
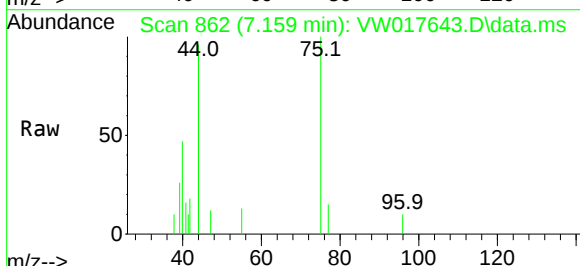
Acq: 15 Dec 2020 19:06

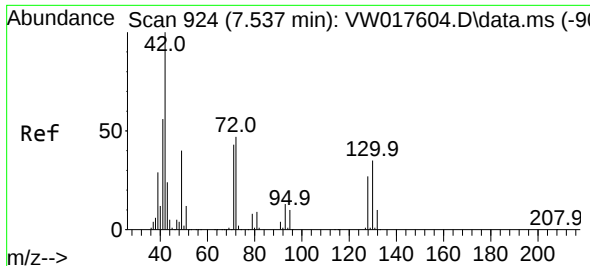
Tgt Ion: 77 Resp: 28

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.4#





#29

Tetrahydrofuran

Concen: 1.27 ug/l

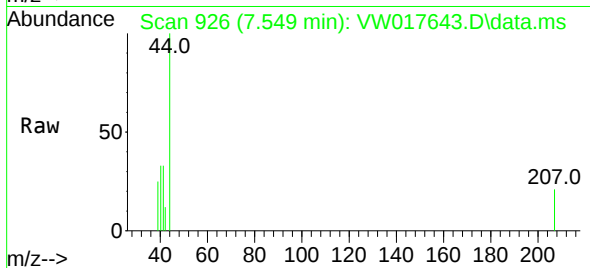
RT: 7.549 min Scan# 926

Delta R.T. 0.012 min

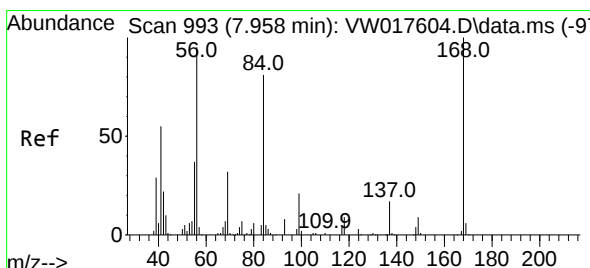
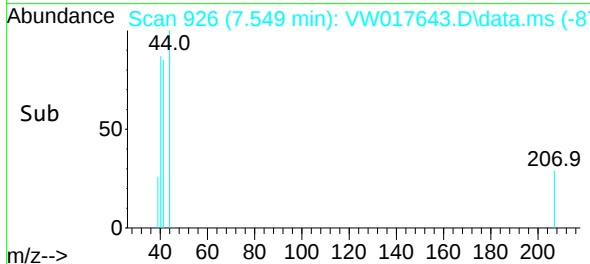
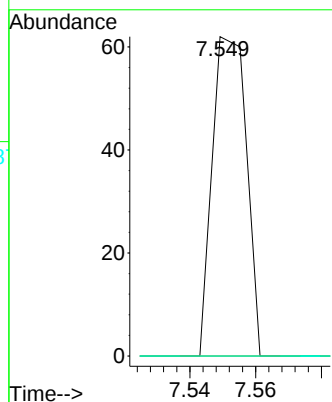
Lab File: VW017643.D

Acq: 15 Dec 2020 19:06

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	42	Resp:	45
Ion	Ratio	Lower	Upper
42	100		
72	0.0	42.0	63.0#
71	0.0	39.0	58.6#



#31

Cyclohexane

Concen: 1.09 ug/l

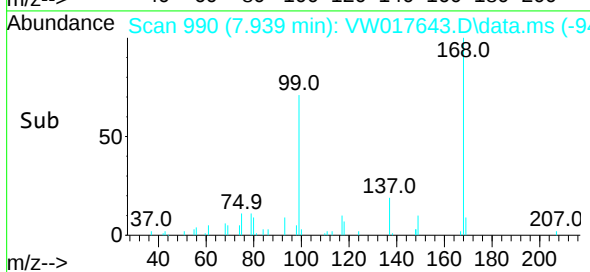
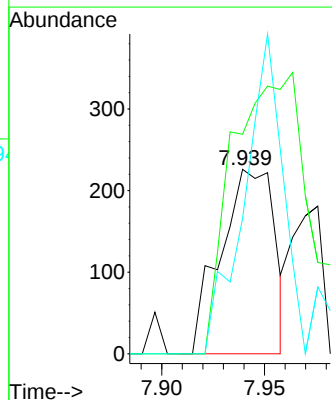
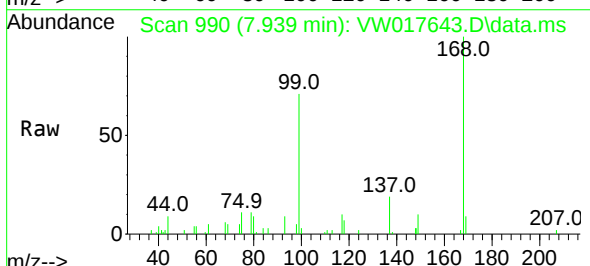
RT: 7.939 min Scan# 990

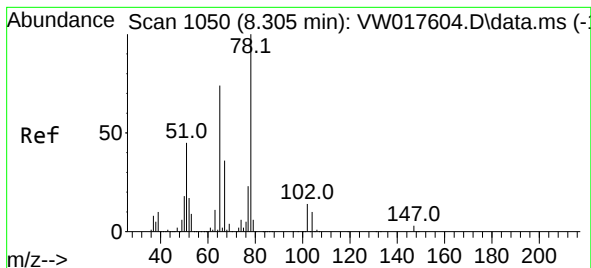
Delta R.T. -0.019 min

Lab File: VW017643.D

Acq: 15 Dec 2020 19:06

Tgt Ion:	56	Resp:	412
Ion	Ratio	Lower	Upper
56	100		
69	119.0	29.3	43.9#
84	73.5	80.5	120.7#

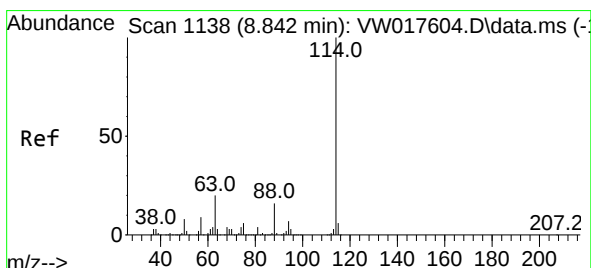
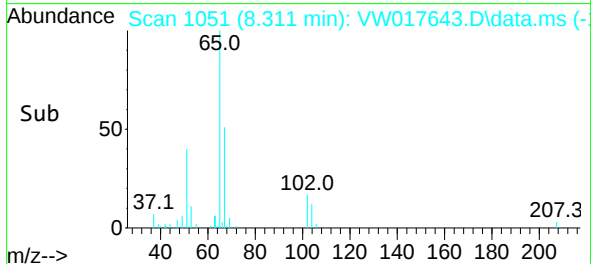
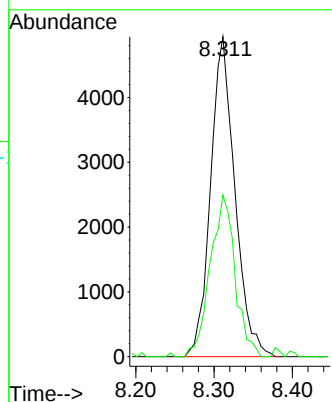
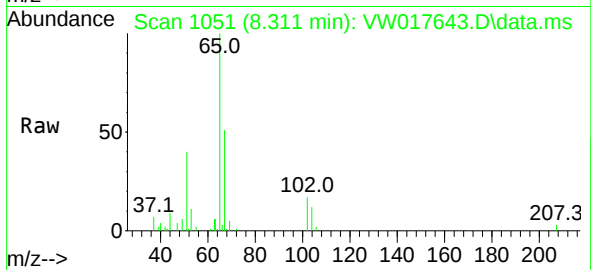




#33
 1,2-Dichloroethane-d4
 Concen: 48.83 ug/l
 RT: 8.311 min Scan# 1051
 Delta R.T. 0.006 min
 Lab File: VW017643.D
 Acq: 15 Dec 2020 19:06

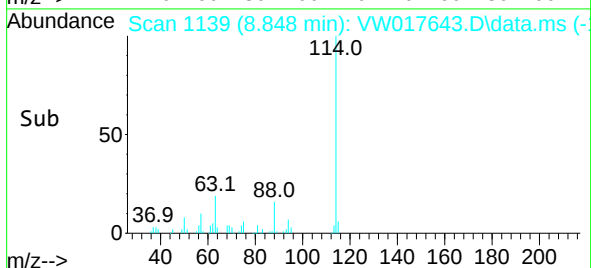
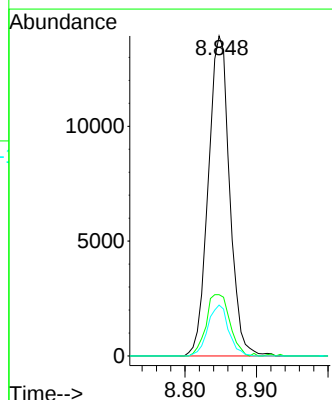
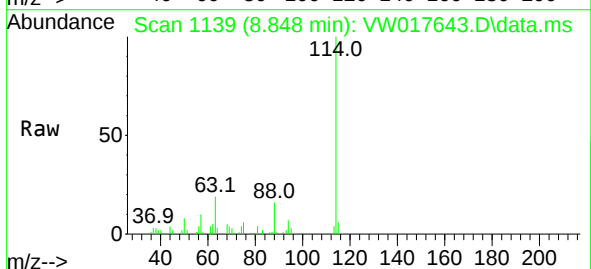
Instrument :
 MSVOA_W
 ClientSampled :

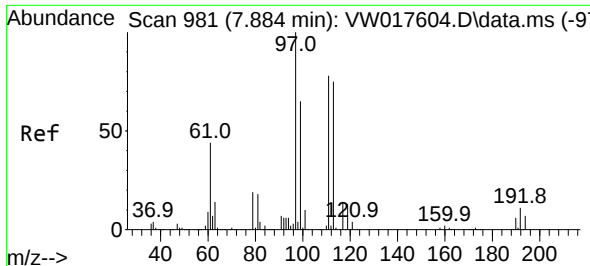
Tgt Ion: 65 Resp: 10643
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.848 min Scan# 1139
 Delta R.T. 0.006 min
 Lab File: VW017643.D
 Acq: 15 Dec 2020 19:06

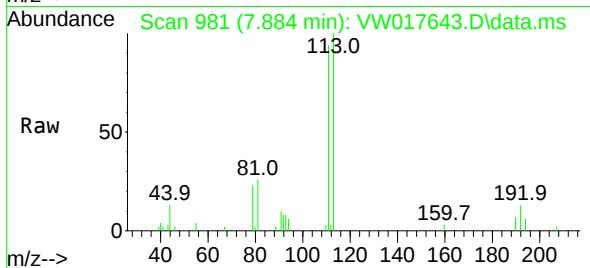
Tgt Ion: 114 Resp: 28865
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 35.6
 88 15.9 0.0 30.4



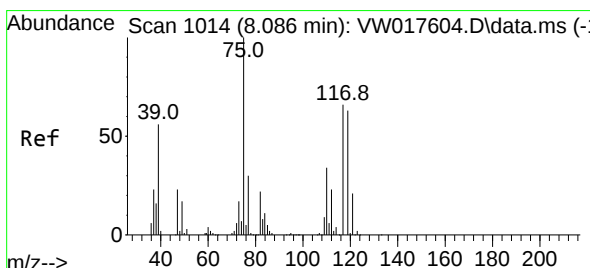
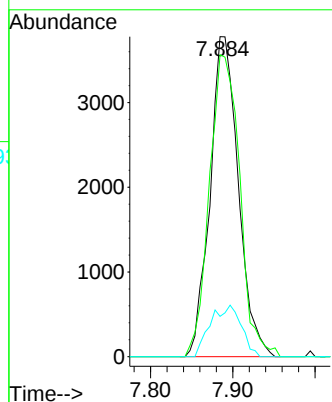
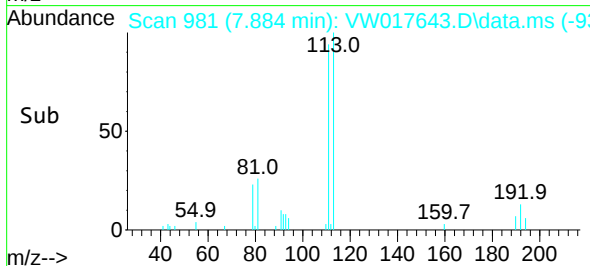


#35
Dibromofluoromethane
Concen: 47.40 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

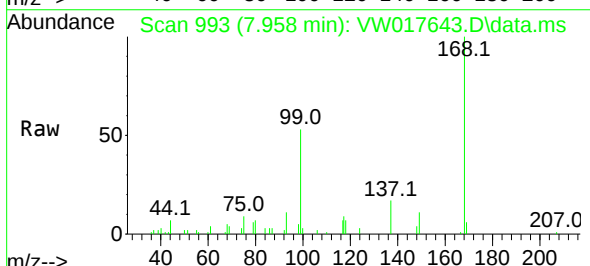
Instrument :
MSVOA_W
ClientSampleId :



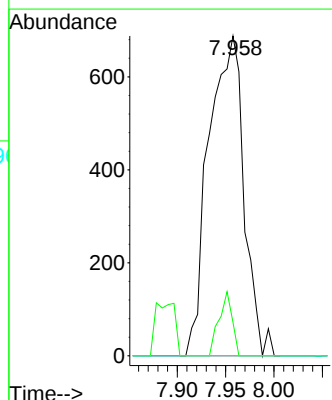
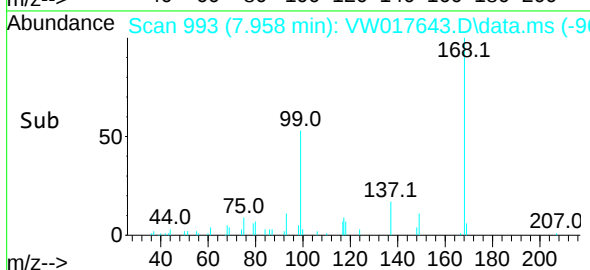
Tgt Ion:113 Resp: 9055
Ion Ratio Lower Upper
113 100
111 100.8 81.4 122.2
192 17.5 17.8 26.8#

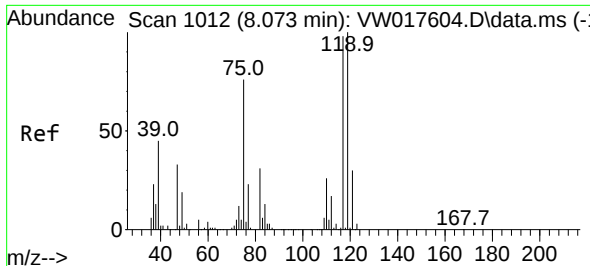


#36
1,1-Dichloropropene
Concen: 5.74 ug/l
RT: 7.958 min Scan# 993
Delta R.T. -0.128 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06



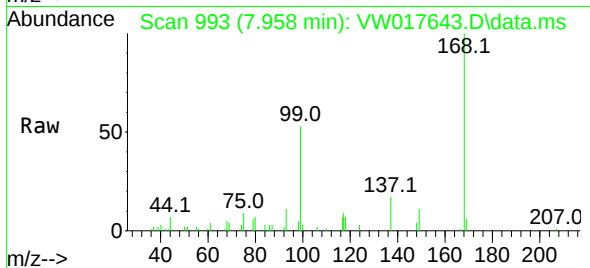
Tgt Ion: 75 Resp: 1736
Ion Ratio Lower Upper
75 100
110 7.5 19.3 57.9#
77 0.0 25.0 37.6#



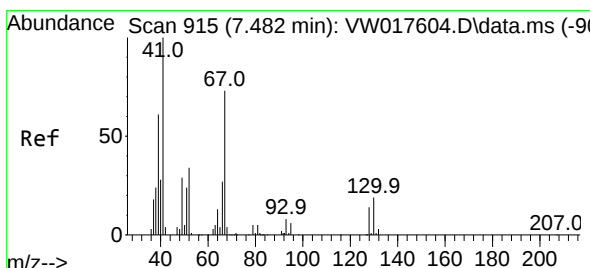
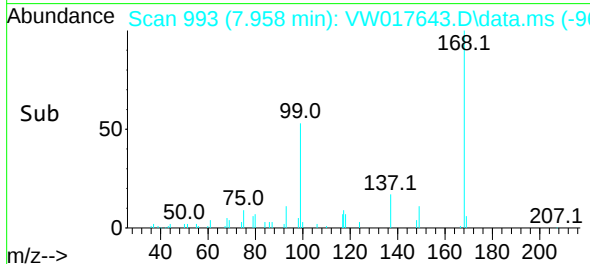
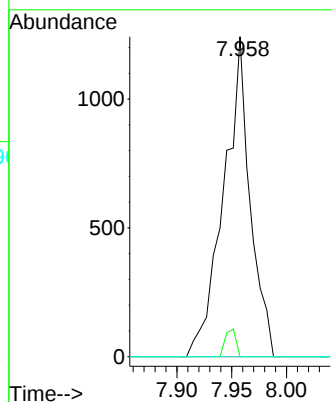


#38
Carbon Tetrachloride
Concen: 6.86 ug/l
RT: 7.958 min Scan# 993
Delta R.T. -0.115 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

Instrument :
MSVOA_W
ClientSampleId :

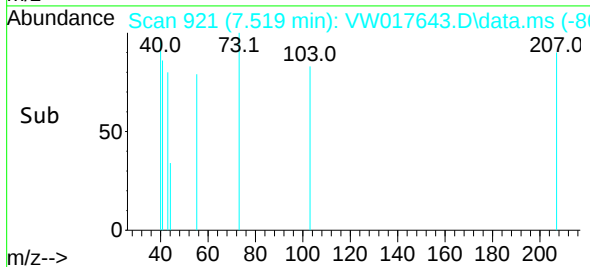
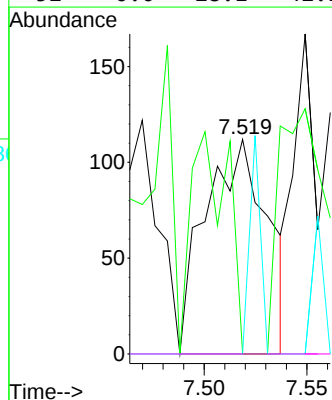
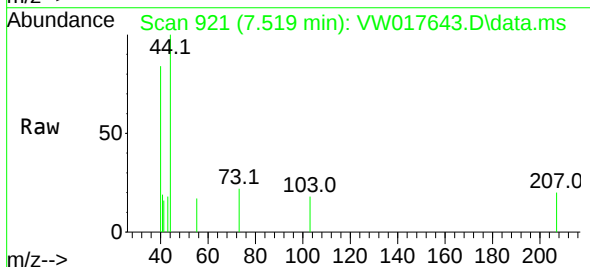


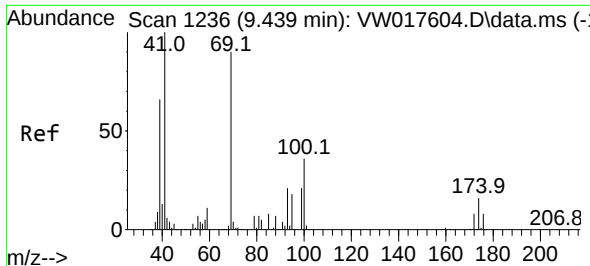
Tgt Ion: 117 Resp: 2084
Ion Ratio Lower Upper
117 100
119 0.0 81.6 122.4#
121 0.0 25.7 38.5#



#41
Methacrylonitrile
Concen: 3.29 ug/l
RT: 7.519 min Scan# 921
Delta R.T. 0.037 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

Tgt Ion: 41 Resp: 235
Ion Ratio Lower Upper
41 100
39 0.0 47.0 70.6#
67 17.9 68.6 102.8#
52 0.0 28.1 42.1#

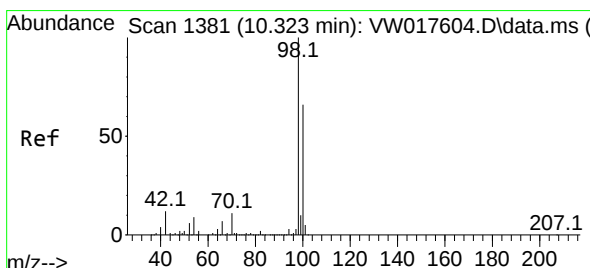
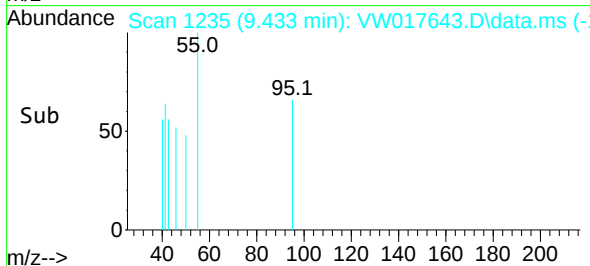
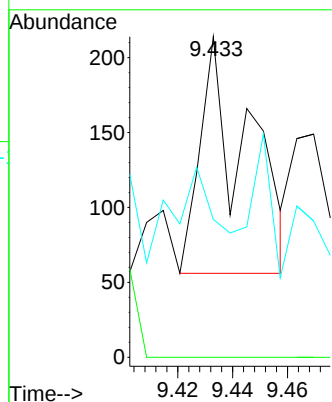
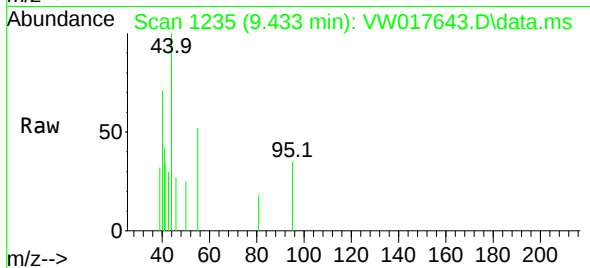




#48
Methyl methacrylate
Concen: 1.61 ug/l
RT: 9.433 min Scan# 1235
Delta R.T. -0.006 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

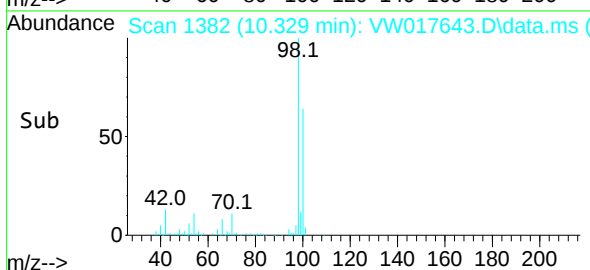
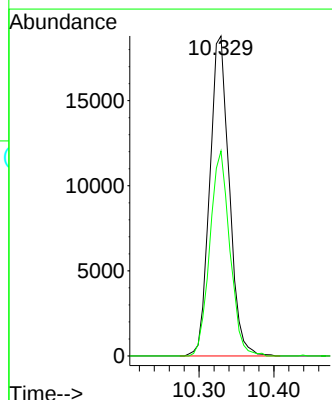
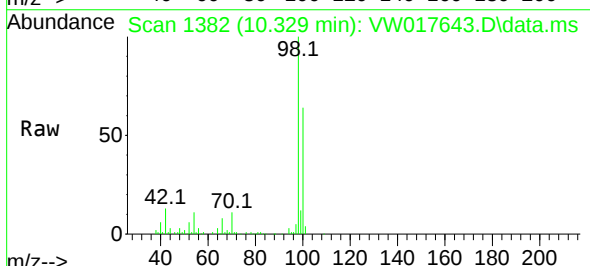
Instrument :
MSVOA_W
ClientSampleId :

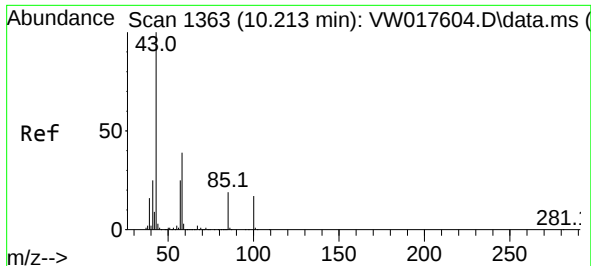
Tgt Ion: 41 Resp: 187
Ion Ratio Lower Upper
41 100
69 0.0 83.5 125.3#
39 37.4 50.9 76.3#



#50
Toluene-d8
Concen: 45.90 ug/l
RT: 10.329 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

Tgt Ion: 98 Resp: 34134
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9

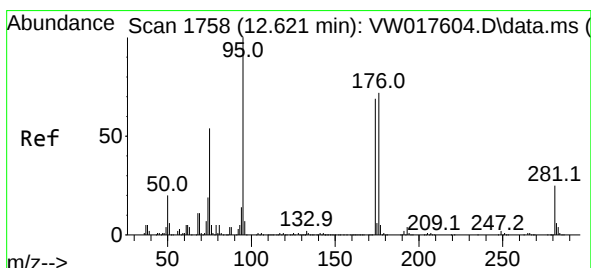
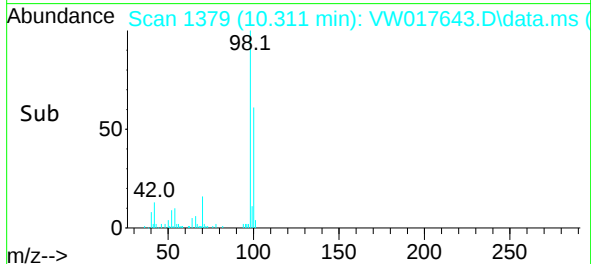
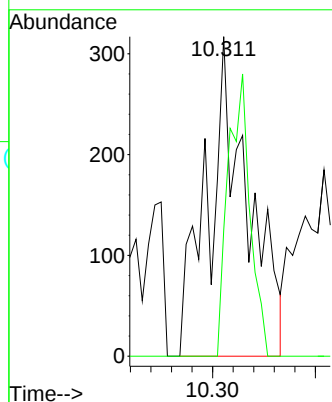
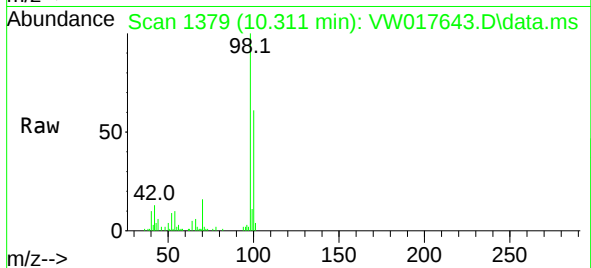




#51
4-Methyl-2-Pentanone
Concen: 7.24 ug/l
RT: 10.311 min Scan# 1379
Delta R.T. 0.098 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

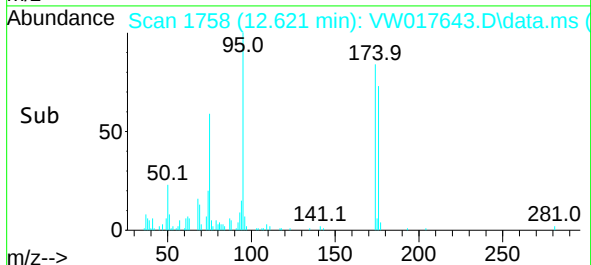
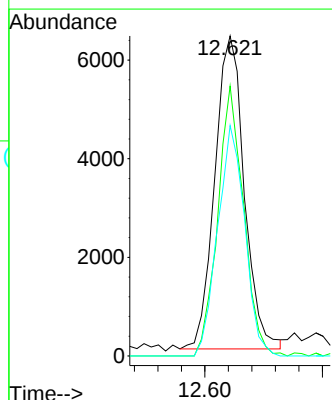
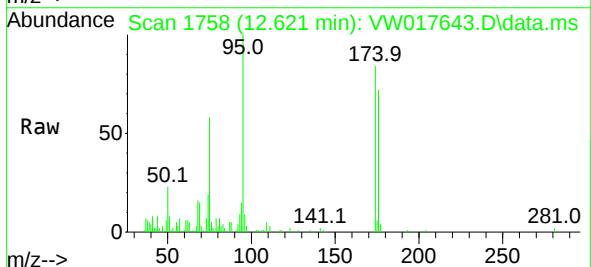
Instrument :
MSVOA_W
ClientSampleId :

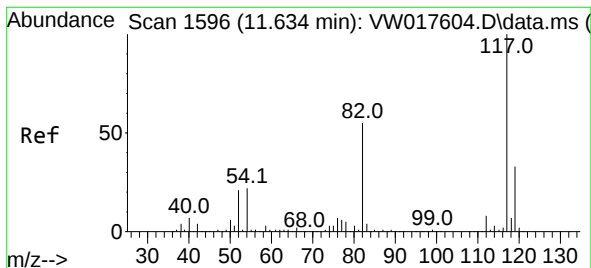
Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
58 48.5 34.7 52.1



#62
4-Bromofluorobenzene
Concen: 41.65 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

Tgt Ion: 95 Resp: 11058
Ion Ratio Lower Upper
95 100
174 75.4 0.0 180.6
176 67.6 0.0 177.6

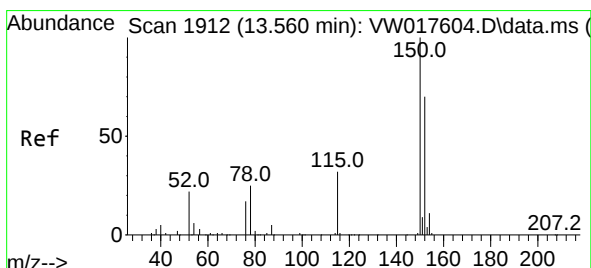
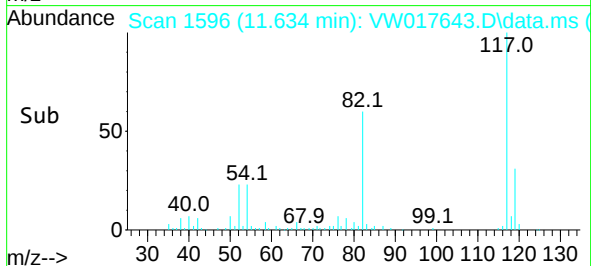
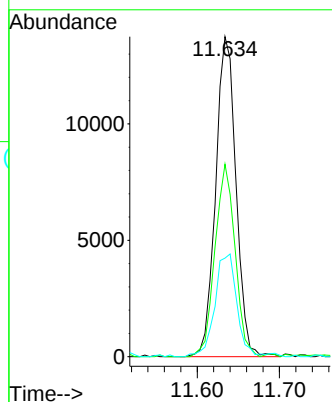
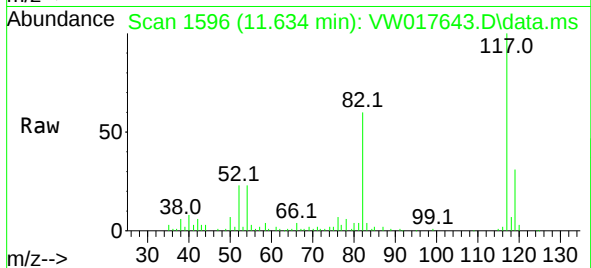




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

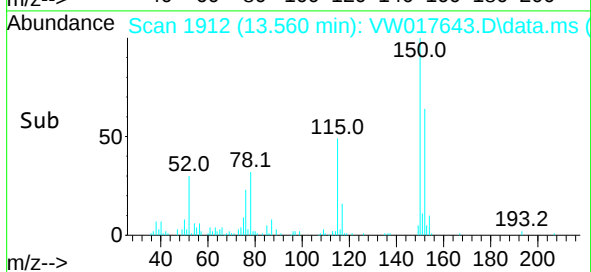
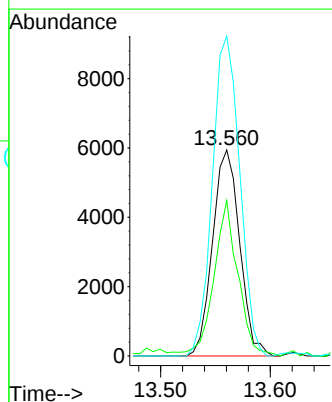
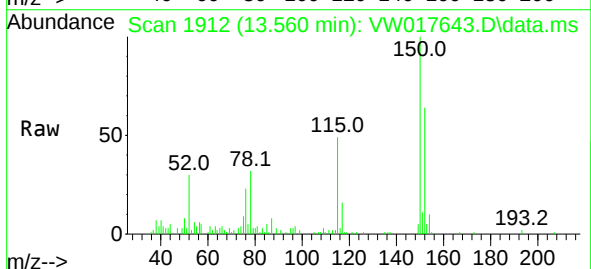
Instrument :
MSVOA_W
ClientSampleId :

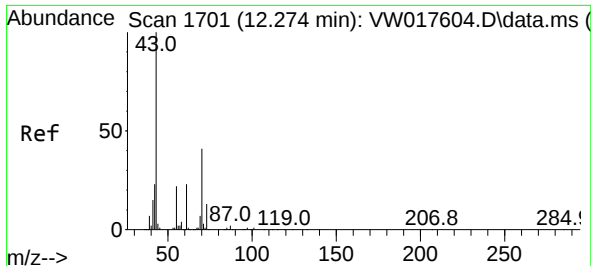
Tgt Ion:117 Resp: 23666
Ion Ratio Lower Upper
117 100
82 60.2 40.7 61.1
119 30.8 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

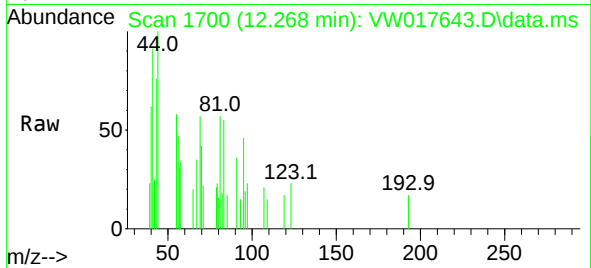
Tgt Ion:152 Resp: 10208
Ion Ratio Lower Upper
152 100
115 66.7 27.9 83.7
150 156.8 0.0 344.0



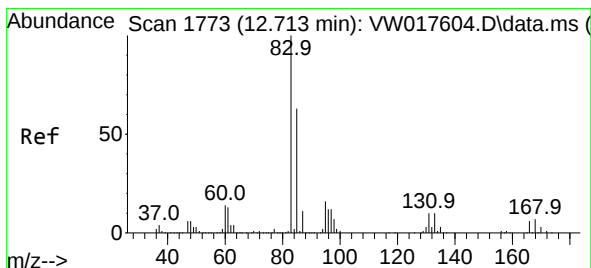
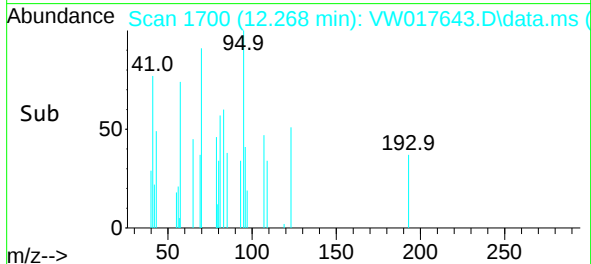
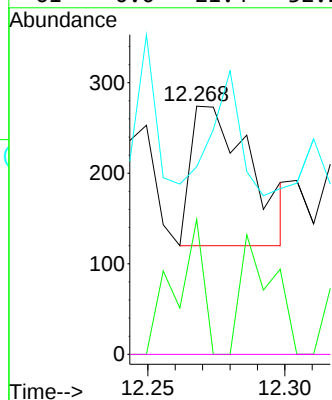


#74
N-amy1 acetate
Concen: 1.38 ug/l
RT: 12.268 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

Instrument :
MSVOA_W
ClientSampleId :

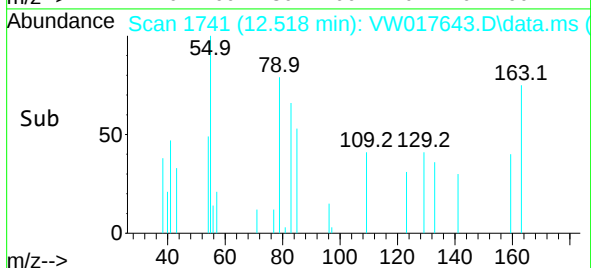
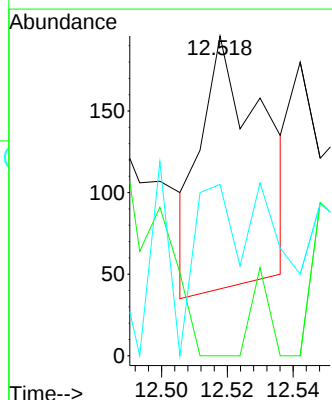
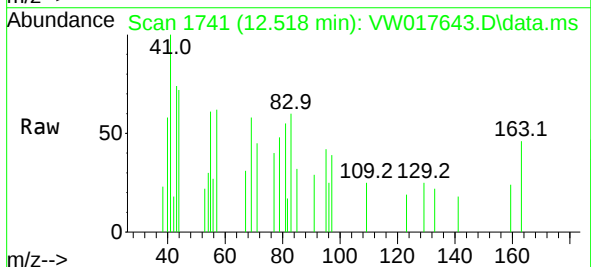


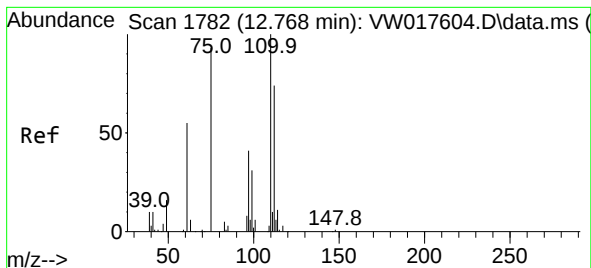
Tgt Ion:	43	Resp:	234
Ion	Ratio	Lower	Upper
43	100		
70	45.7	40.2	60.4
55	0.0	21.4	32.0#
61	0.0	21.4	32.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.47 ug/l
RT: 12.518 min Scan# 1741
Delta R.T. -0.195 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

Tgt Ion:	83	Resp:	198
Ion	Ratio	Lower	Upper
83	100		
131	10.1	6.1	18.3
85	48.0	32.7	98.1

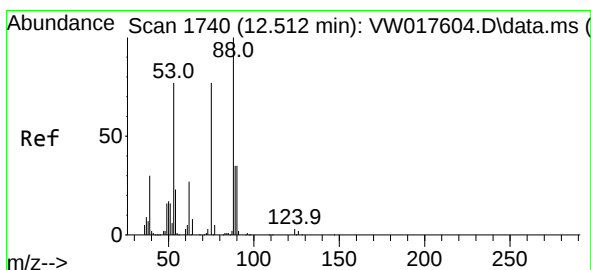
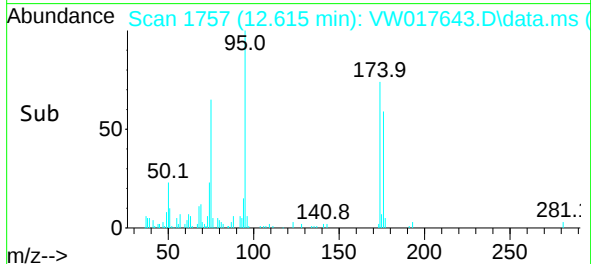
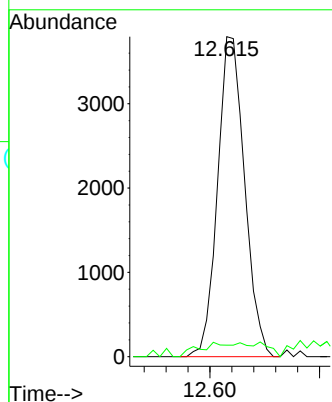
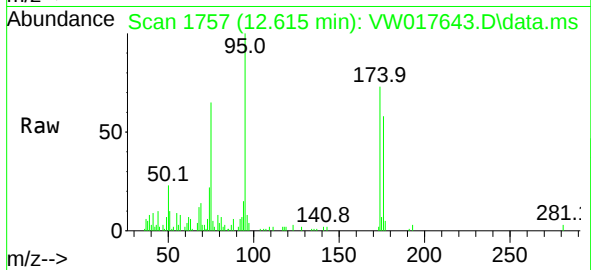




#76
1,2,3-Trichloropropane
Concen: 66.10 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.153 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

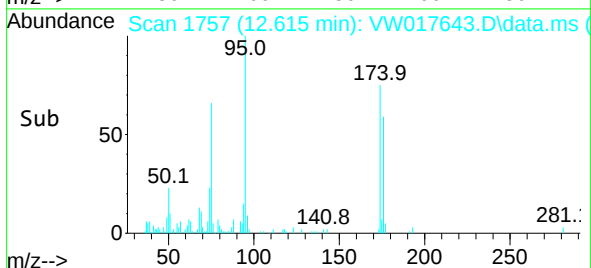
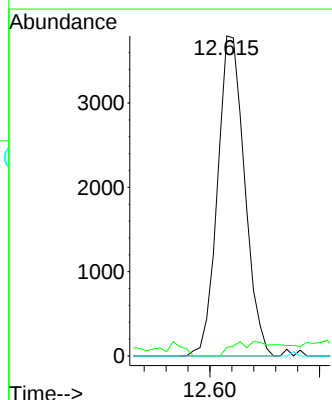
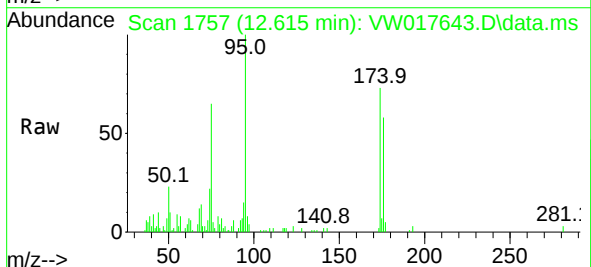
Instrument :
MSVOA_W
ClientSampleId :

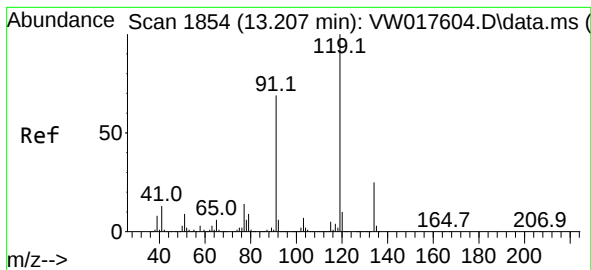
Tgt Ion: 75 Resp: 6495
Ion Ratio Lower Upper
75 100
77 4.6 178.8 536.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.92 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW017643.D
Acq: 15 Dec 2020 19:06

Tgt Ion: 75 Resp: 6495
Ion Ratio Lower Upper
75 100
53 2.8 77.0 115.4#
89 0.0 38.7 58.1#





#83
 tert-Butylbenzene
 Concen: 1.44 ug/l
 RT: 13.182 min Scan# 1850
 Delta R.T. -0.025 min
 Lab File: VW017643.D
 Acq: 15 Dec 2020 19:06

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:119 Resp: 843
 Ion Ratio Lower Upper
 119 100
 91 48.9 31.3 93.9
 134 0.0 14.0 42.0#

