

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
 Data File : VW007285.D
 Acq On : 06 Dec 2018 18:17
 Operator : SY/AP
 Sample : J6248-06
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 4UST-SW-6

Quant Time: Dec 07 06:27:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	66029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	121754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	76679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	136747	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	35423	57.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.24%	
35) Dibromofluoromethane	7.88	113	30767	44.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.26%	
50) Toluene-d8	10.32	98	115940	37.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	75.50%	
62) 4-Bromofluorobenzene	12.62	95	389235	335.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	671.60%	

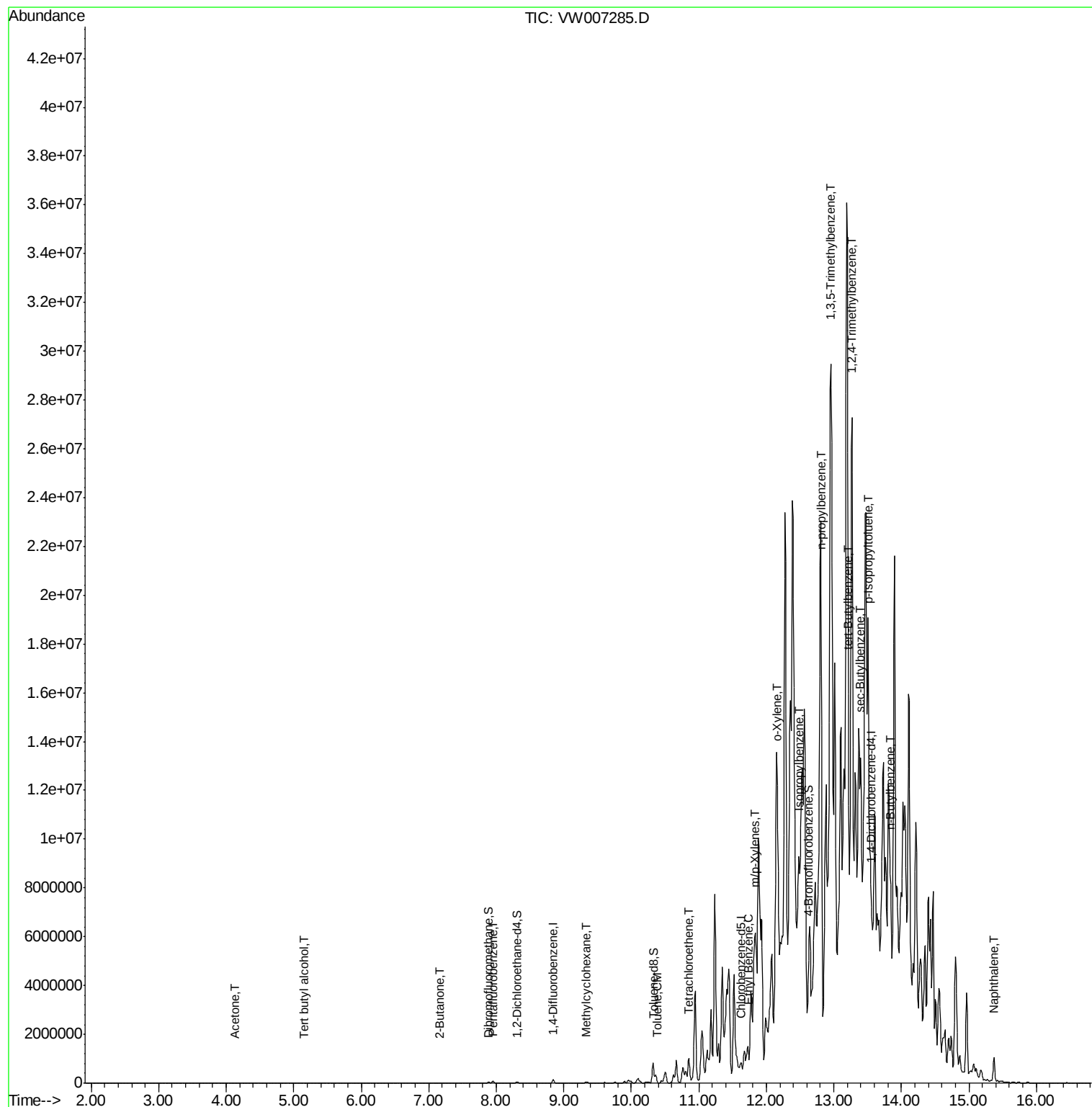
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	4236	57.621	ug/l #	84
16) Acetone	4.13	43	6134	42.148	ug/l	94
25) 2-Butanone	7.17	43	2729	16.176	ug/l #	69
39) Methylcyclohexane	9.34	83	19446	12.262	ug/l	93
52) Toluene	10.39	92	4658	2.061	ug/l	93
64) Tetrachloroethene	10.86	164	3624	6.469	ug/l	88
67) Ethyl Benzene	11.74	91	123049	39.423	ug/l	98
68) m/p-Xylenes	11.84	106	470157	383.965	ug/l	93
69) o-Xylene	12.17	106	222038	194.085	ug/l	62
73) Isopropylbenzene	12.48	105	802343	72.140	ug/l	99
78) n-propylbenzene	12.82	91	1674672	126.385	ug/l	95
80) 1,3,5-Trimethylbenzene	12.96	105	1202174	126.349	ug/l	99
83) tert-Butylbenzene	13.22	119	597980	71.917	ug/l	94
84) 1,2,4-Trimethylbenzene	13.27	105	12042058	1239.862	ug/l	96
85) sec-Butylbenzene	13.40	105	2745735	231.311	ug/l	83
86) p-Isopropyltoluene	13.52	119	2188890	207.144	ug/l	96
89) n-Butylbenzene	13.84	91	2729028	276.371	ug/l #	69
95) Naphthalene	15.37	128	876386	165.386	ug/l	99

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

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Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007285.D

Acq: 06 Dec 2018 18:17

Instrument :

MSVOA_W

ClientSampleId :

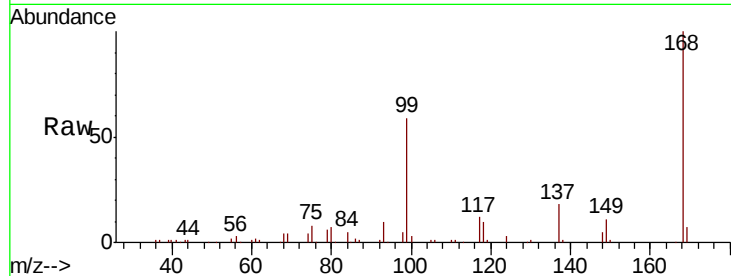
4UST-SW-6

Tot Ion:168 Resp: 66029

Ion Ratio Lower Upper

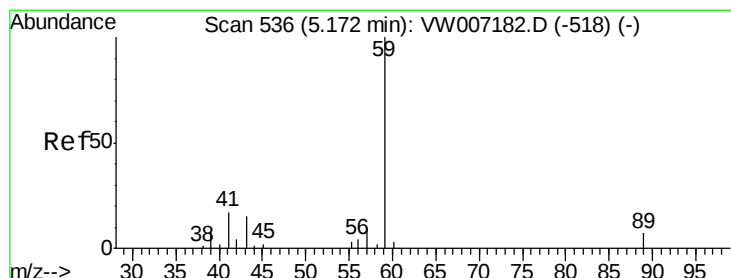
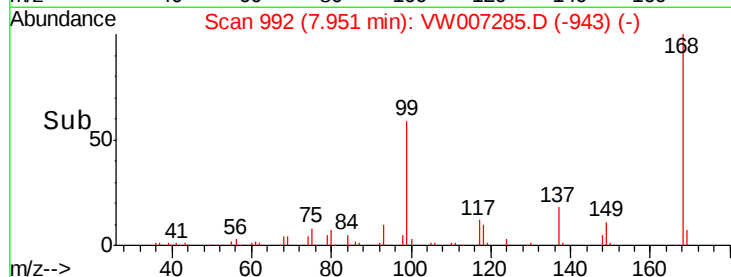
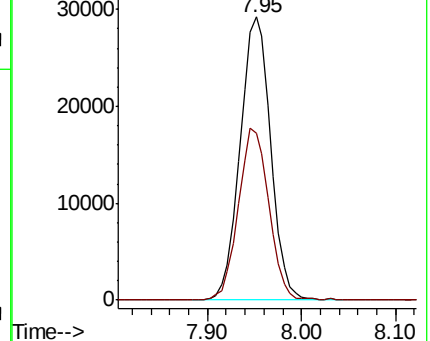
168 100

99 58.8 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 57.621 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW007285.D

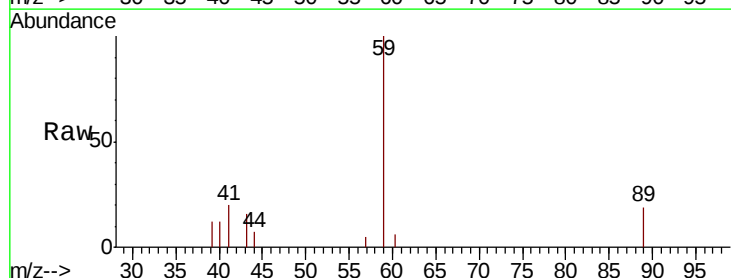
Acq: 06 Dec 2018 18:17

Tgt Ion: 59 Resp: 4236

Ion Ratio Lower Upper

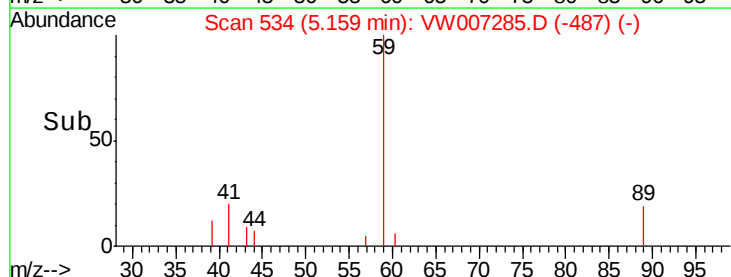
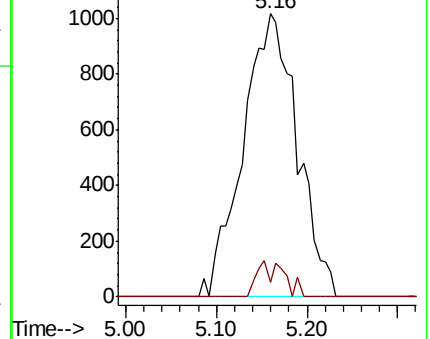
59 100

57 3.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 42.148 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007285.D

Acq: 06 Dec 2018 18:17

Instrument :

MSVOA_W

ClientSampleId :

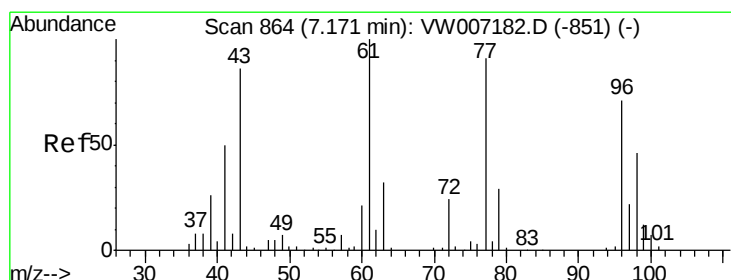
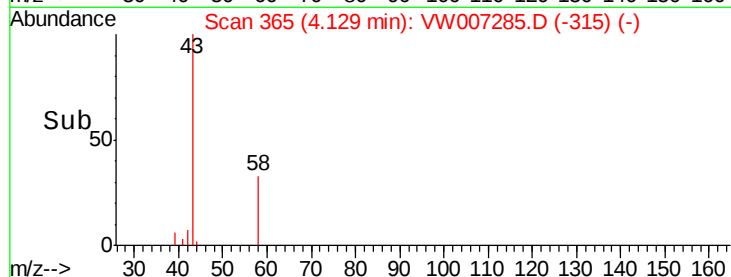
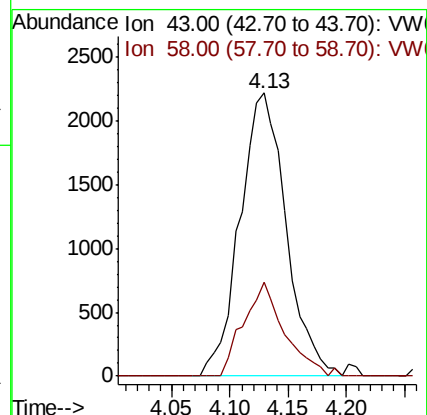
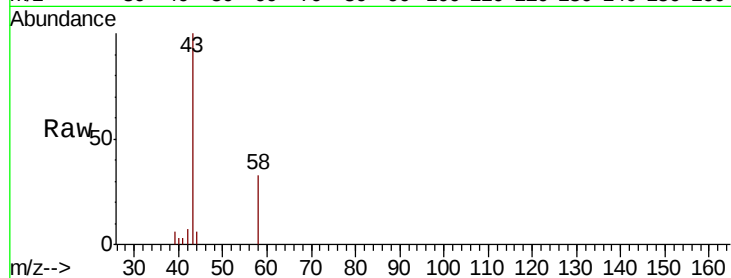
4UST-SW-6

Tot Ion: 43 Resp: 6134

Ion Ratio Lower Upper

43 100

58 33.3 23.8 35.8



#25

2-Butanone

Concen: 16.176 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007285.D

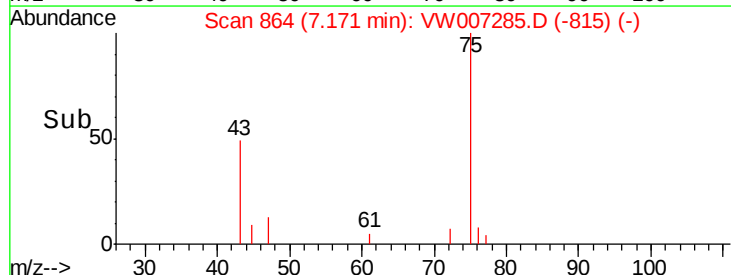
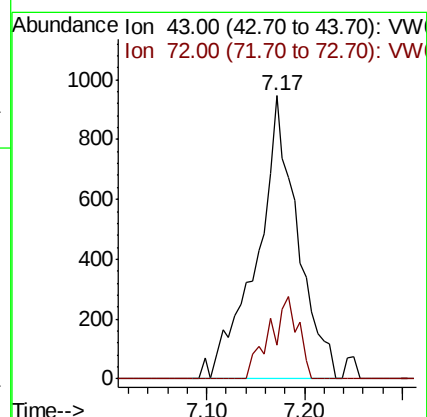
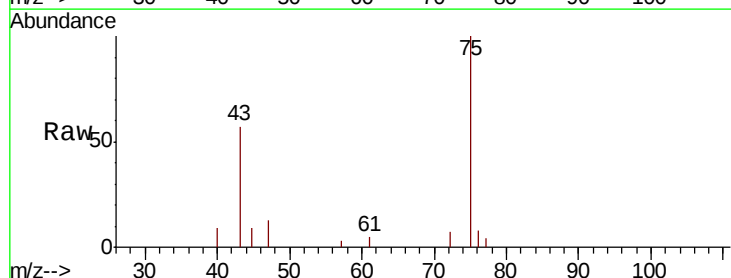
Acq: 06 Dec 2018 18:17

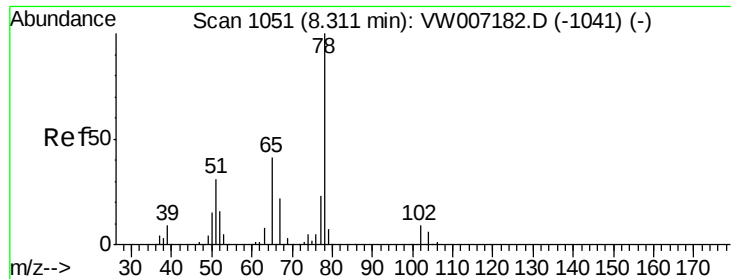
Tgt Ion: 43 Resp: 2729

Ion Ratio Lower Upper

43 100

72 11.8 22.8 34.2#

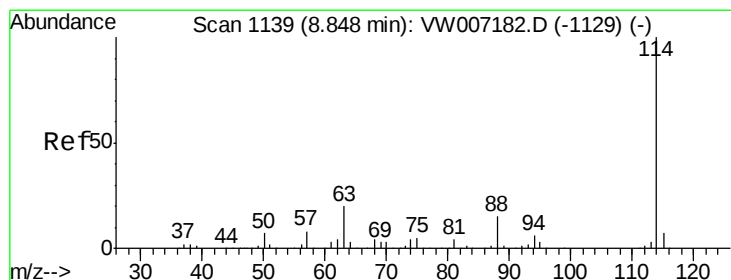
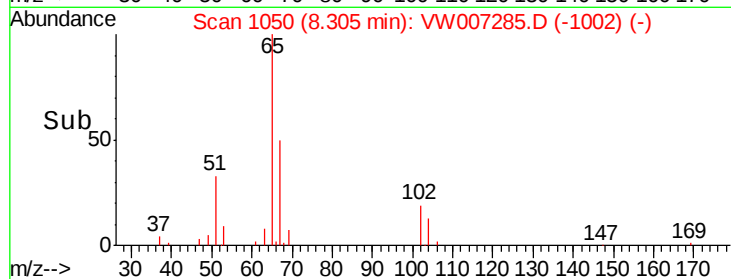
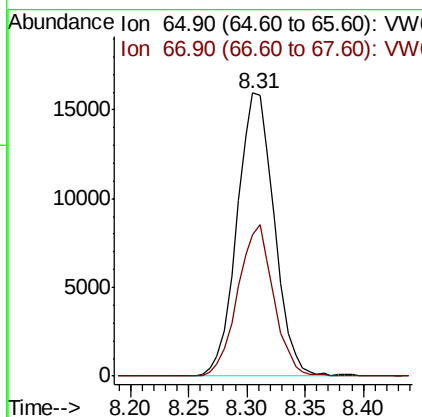
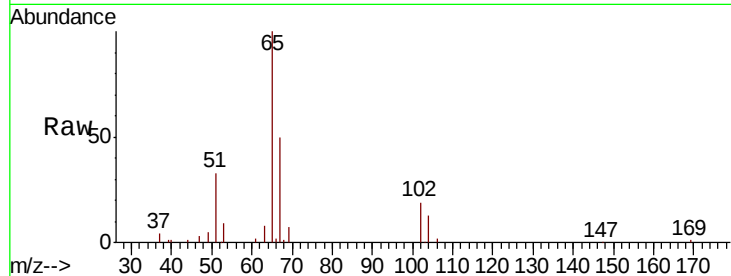




#33
 1,2-Dichloroethane-d4
 Concen: 57.621 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007285.D
 Acq: 06 Dec 2018 18:17

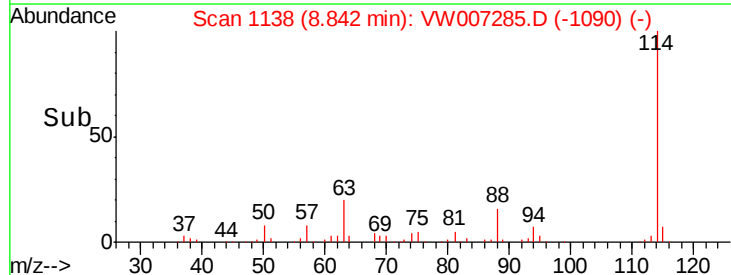
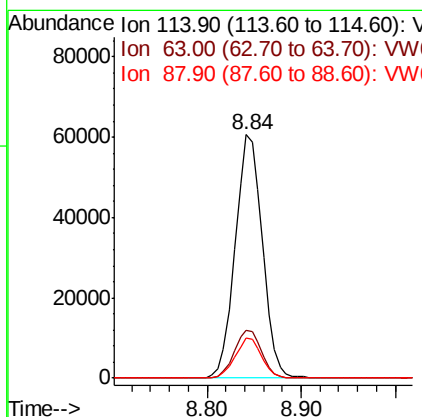
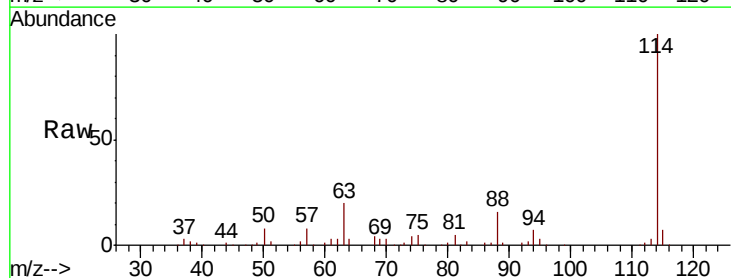
Instrument :
 MSVOA_W
 ClientSampleId :
 4UST-SW-6

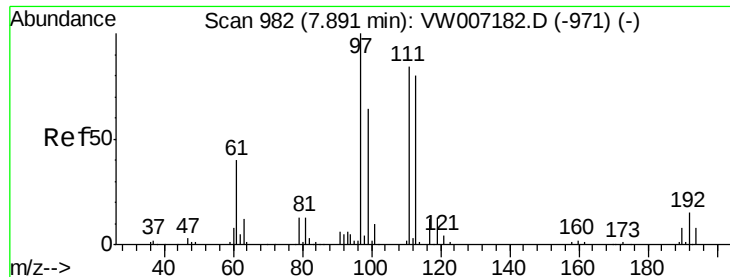
Tot Ion: 65 Resp: 35423
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007285.D
 Acq: 06 Dec 2018 18:17

Tgt Ion: 114 Resp: 121754
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.2
 88 16.3 0.0 30.0

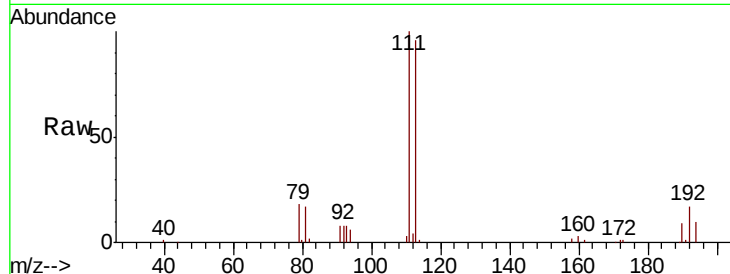




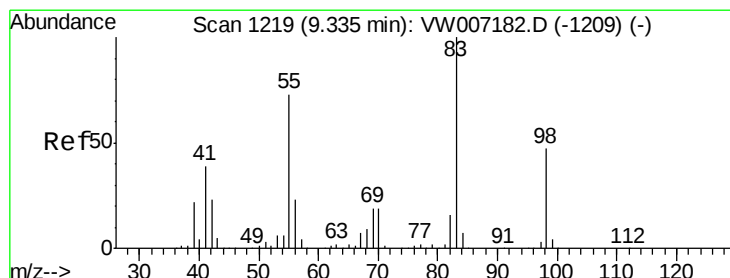
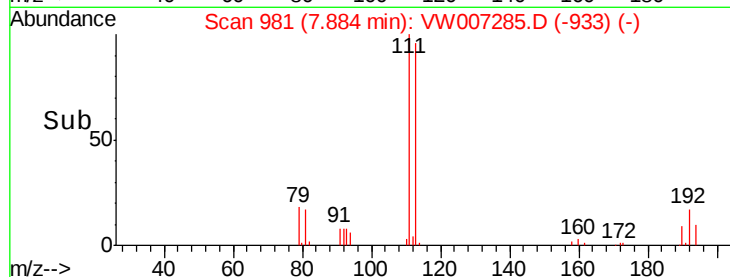
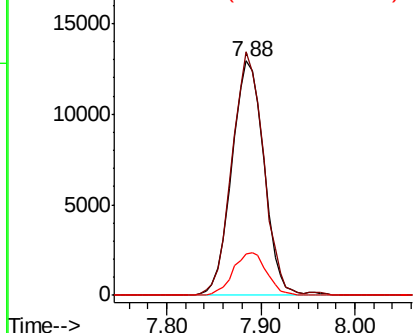
#35
Dibromofluoromethane
Concen: 44.132 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW007285.D
Acq: 06 Dec 2018 18:17

Instrument :
MSVOA_W
ClientSampleId :
4UST-SW-6

Tot Ion:113 Resp: 30767
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.4
192 18.8 14.4 21.6

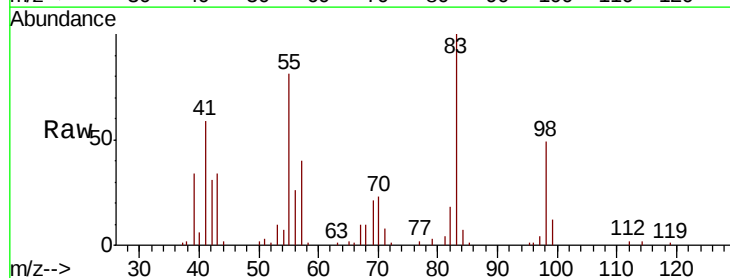


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

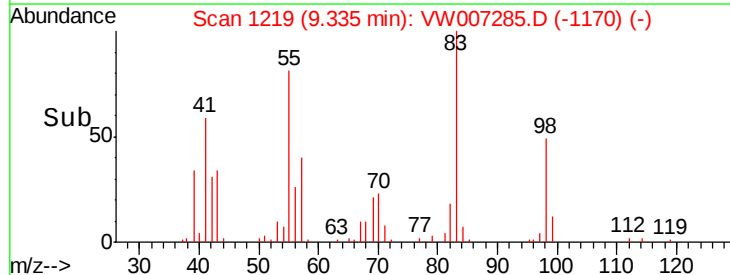
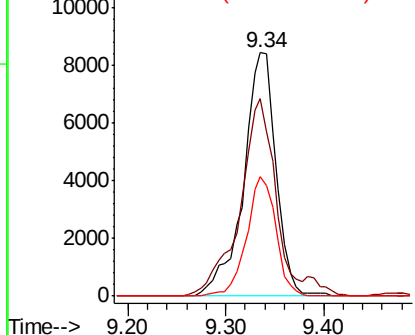


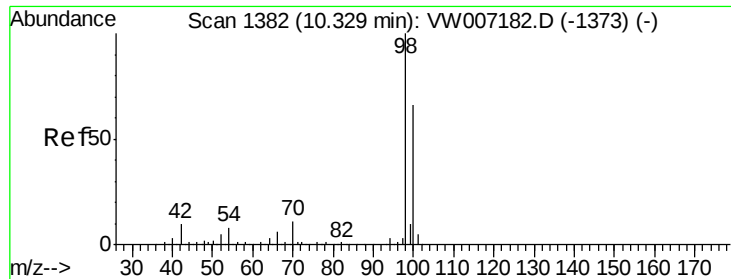
#39
Methylcyclohexane
Concen: 12.262 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007285.D
Acq: 06 Dec 2018 18:17

Tgt Ion: 83 Resp: 19446
Ion Ratio Lower Upper
83 100
55 80.1 58.1 87.1
98 48.8 37.3 55.9



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

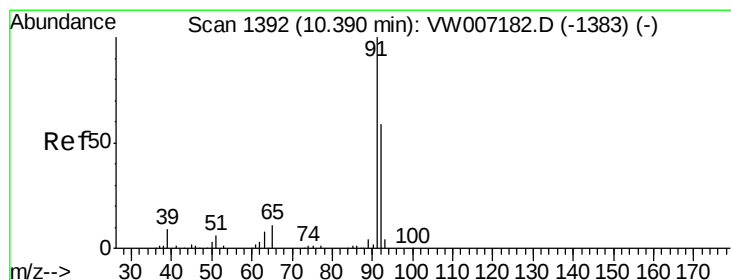
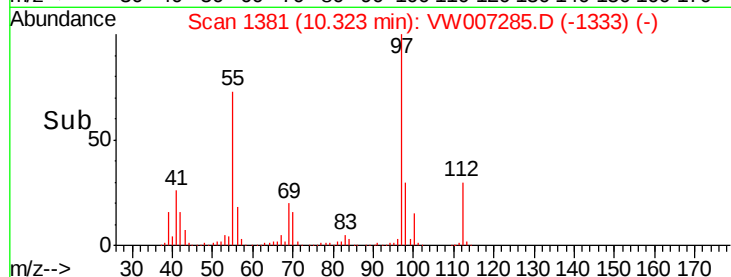
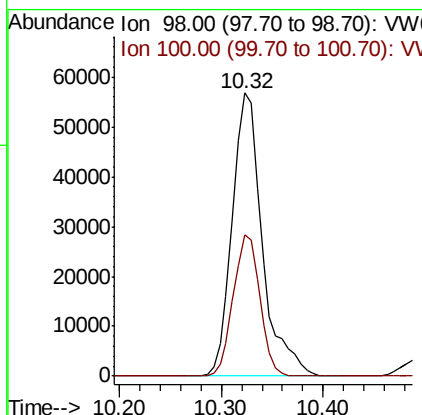
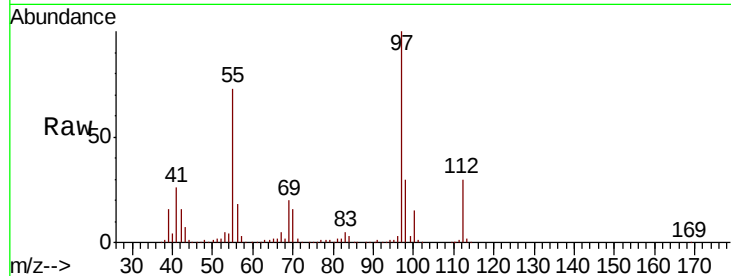




#50
Toluene-d8
Concen: 37.753 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007285.D
Acq: 06 Dec 2018 18:17

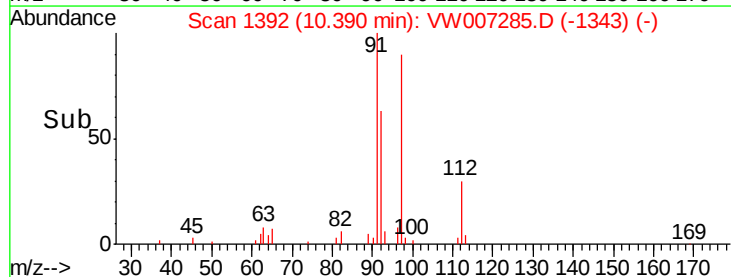
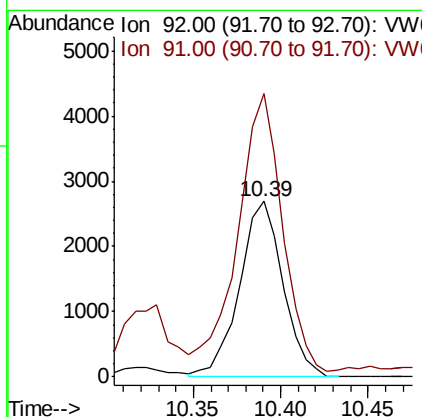
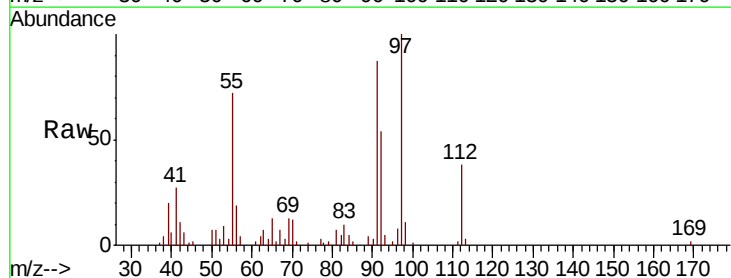
Instrument :
MSVOA_W
ClientSampled :
4UST-SW-6

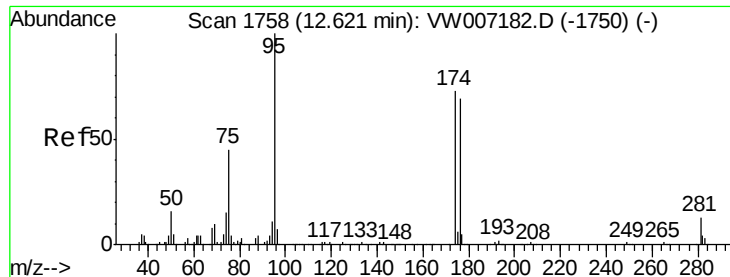
Tot Ion: 98 Resp: 115940
Ion Ratio Lower Upper
98 100
100 44.0 52.7 79.1#



#52
Toluene
Concen: 2.061 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007285.D
Acq: 06 Dec 2018 18:17

Tgt Ion: 92 Resp: 4658
Ion Ratio Lower Upper
92 100
91 160.6 136.0 204.0





#62

4-Bromofluorobenzene

Concen: 335.801 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007285.D

Acq: 06 Dec 2018 18:17

Instrument :

MSVOA_W

ClientSampleId :

4UST-SW-6

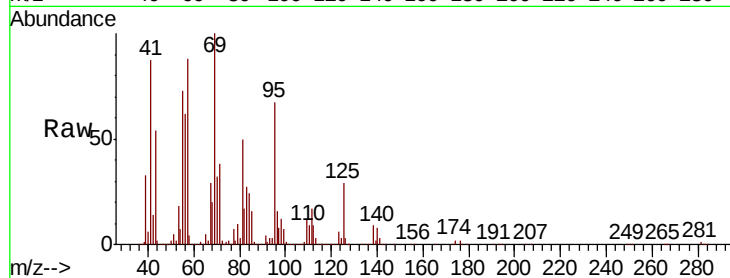
Tot Ion: 95 Resp: 389235

Ion Ratio Lower Upper

95 100

174 3.5 0.0 148.0

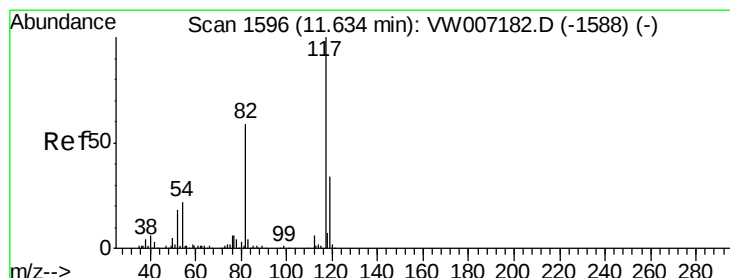
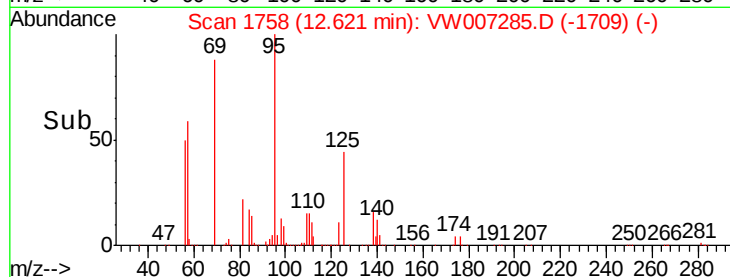
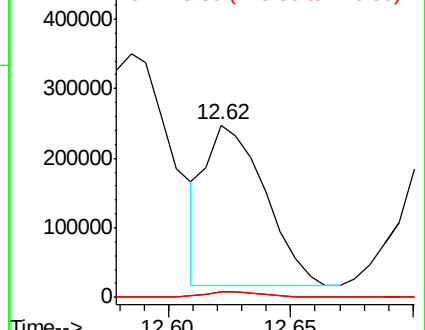
176 3.5 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007285.D

Acq: 06 Dec 2018 18:17

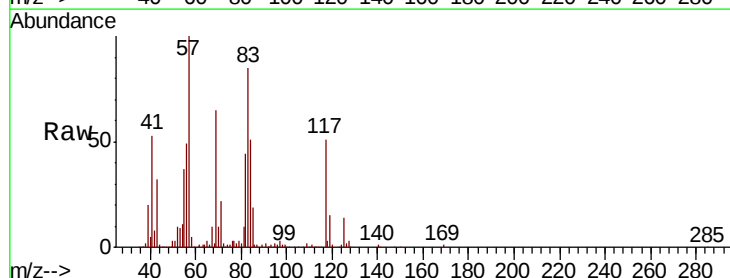
Tgt Ion: 117 Resp: 76679

Ion Ratio Lower Upper

117 100

82 0.0 47.4 71.2#

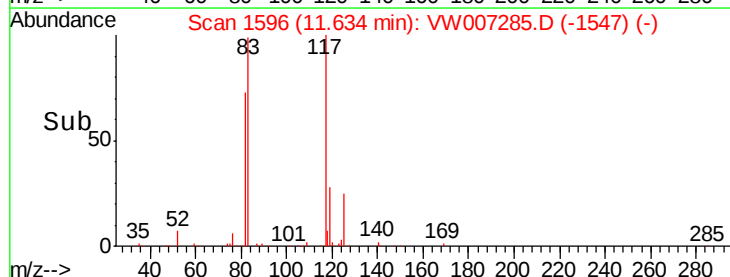
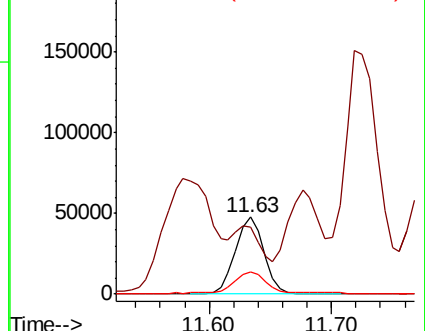
119 27.4 26.8 40.2

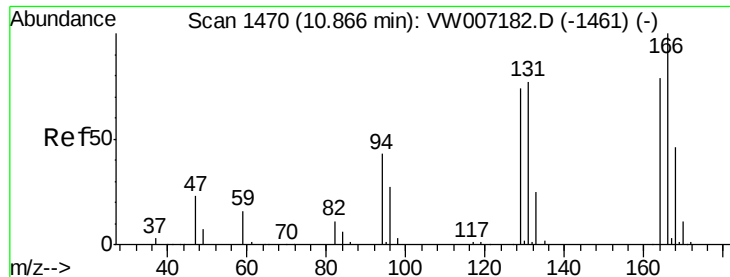


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 6.469 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007285.D

Acq: 06 Dec 2018 18:17

Instrument :

MSVOA_W

ClientSampleId :

4UST-SW-6

Tot Ion:164 Resp: 3624

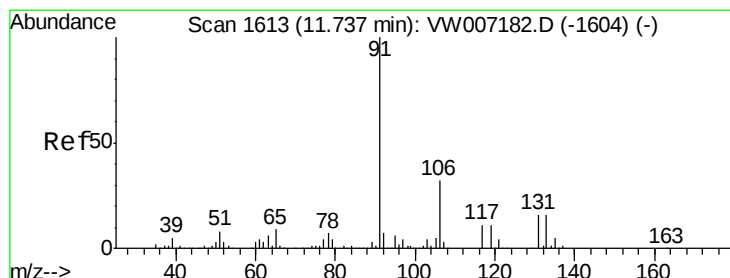
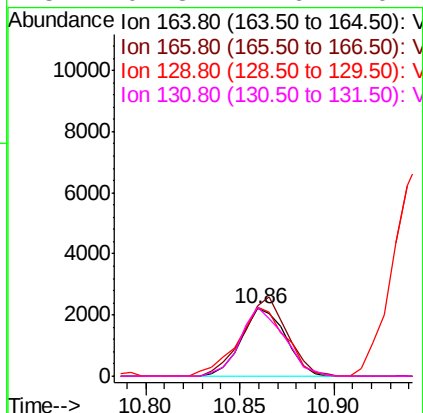
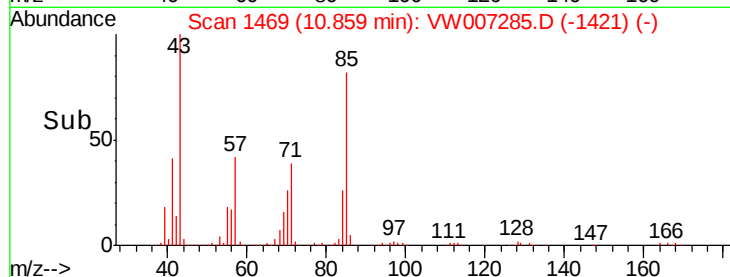
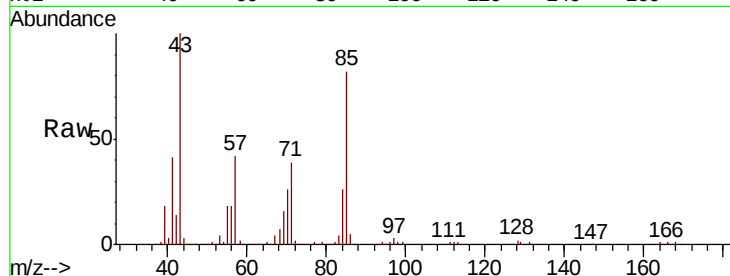
Ion Ratio Lower Upper

164 100

166 105.0 101.0 151.4

129 102.0 74.6 111.8

131 102.3 77.6 116.4



#67

Ethyl Benzene

Concen: 39.423 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW007285.D

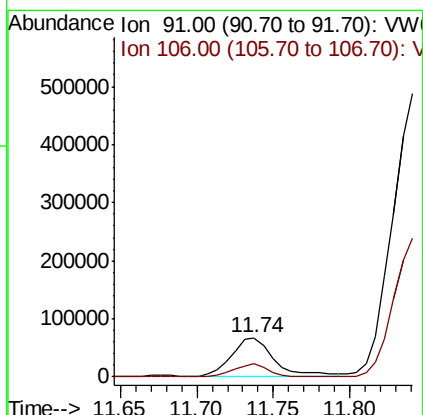
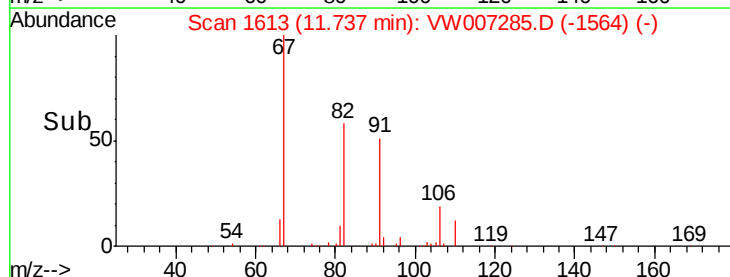
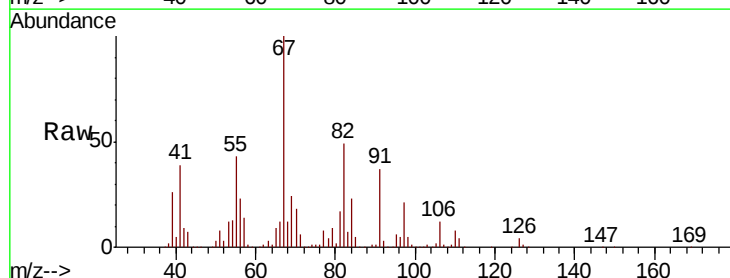
Acq: 06 Dec 2018 18:17

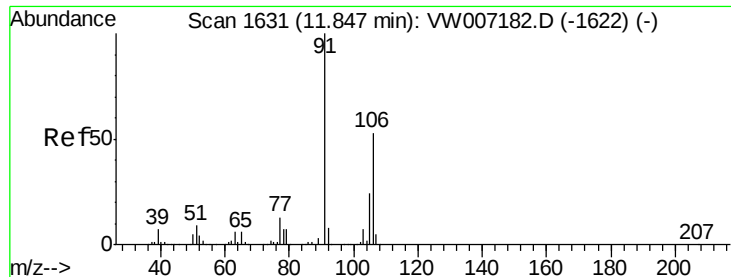
Tgt Ion: 91 Resp: 123049

Ion Ratio Lower Upper

91 100

106 33.5 26.0 39.0

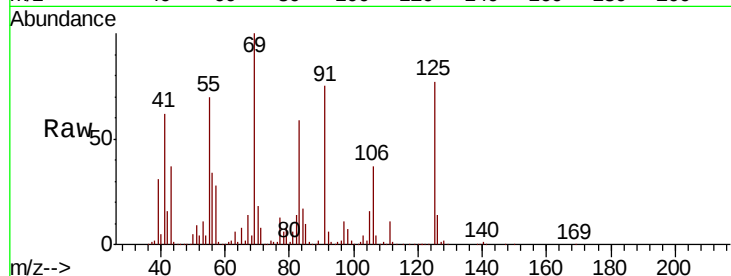




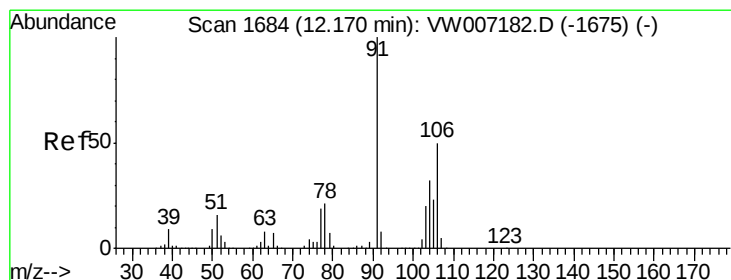
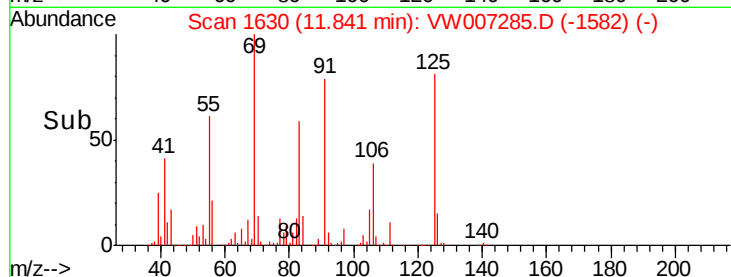
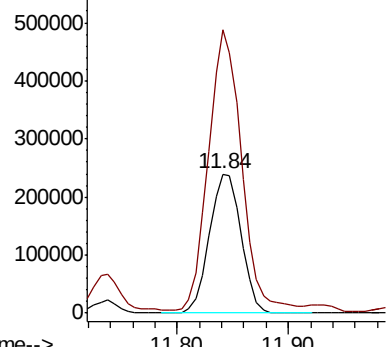
#68
m/p-Xylenes
Concen: 383.965 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007285.D
Acq: 06 Dec 2018 18:17

Instrument :
MSVOA_W
ClientSampled :
4UST-SW-6

Tot Ion:106 Resp: 470157
Ion Ratio Lower Upper
106 100
91 210.6 160.2 240.4

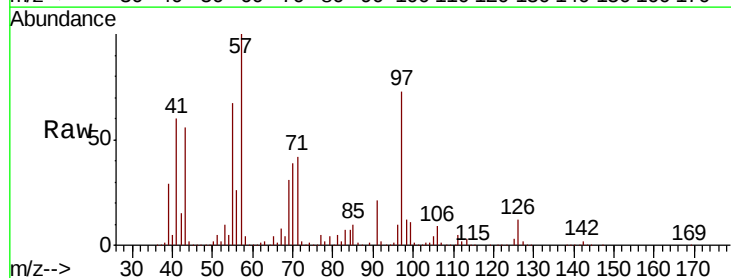


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

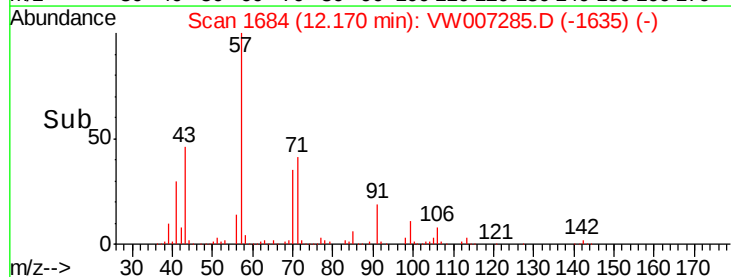
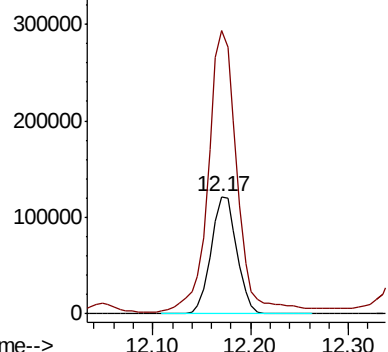


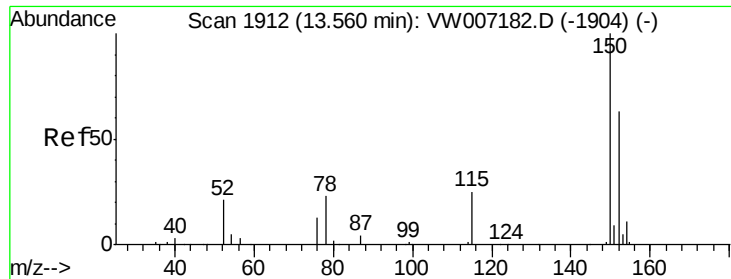
#69
o-Xylene
Concen: 194.085 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007285.D
Acq: 06 Dec 2018 18:17

Tgt Ion:106 Resp: 222038
Ion Ratio Lower Upper
106 100
91 268.9 104.9 314.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW



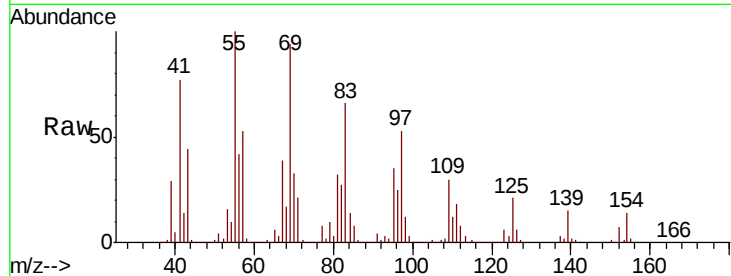


#72

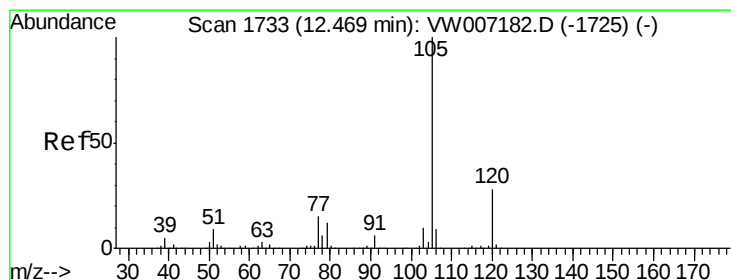
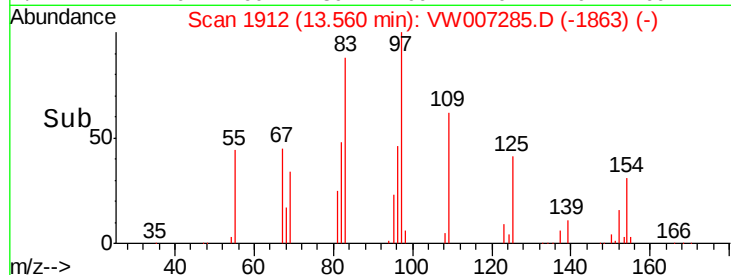
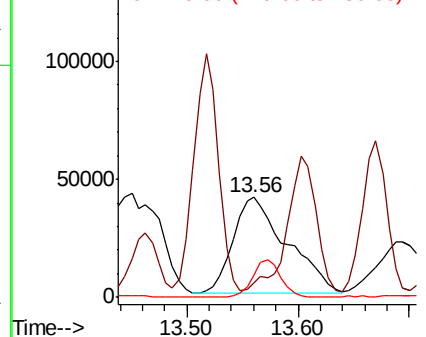
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007285.D
Acq: 06 Dec 2018 18:17

Instrument :
MSVOA_W
ClientSampleId :
4UST-SW-6

Tot Ion:152 Resp: 136747
Ion Ratio Lower Upper
152 100
115 0.0 31.3 93.8#
150 20.1 0.0 358.0



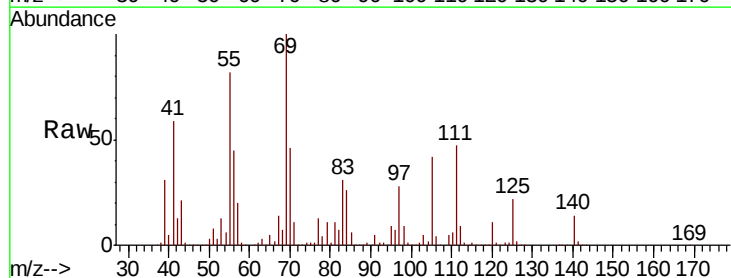
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



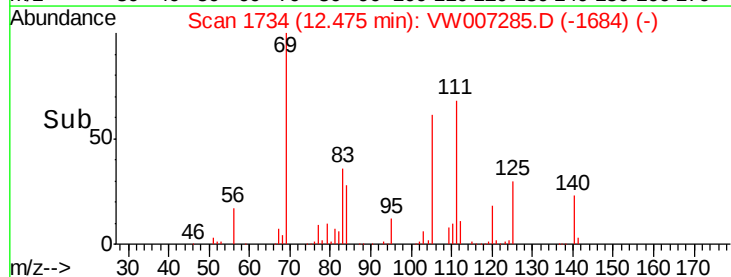
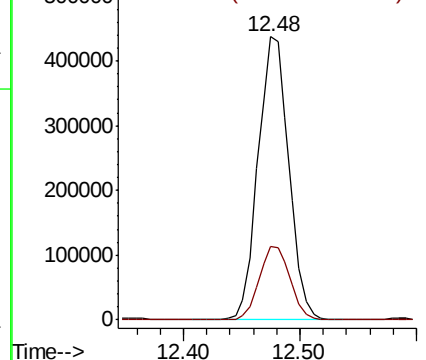
#73

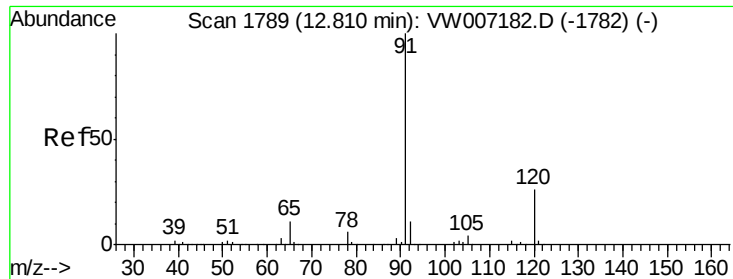
Isopropylbenzene
Concen: 72.140 ug/l
RT: 12.48 min Scan# 1734
Delta R.T. 0.01 min
Lab File: VW007285.D
Acq: 06 Dec 2018 18:17

Tgt Ion:105 Resp: 802343
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

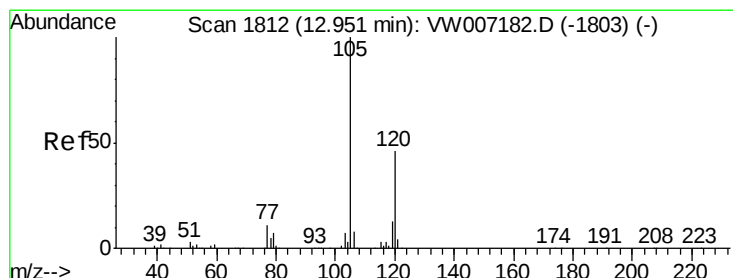
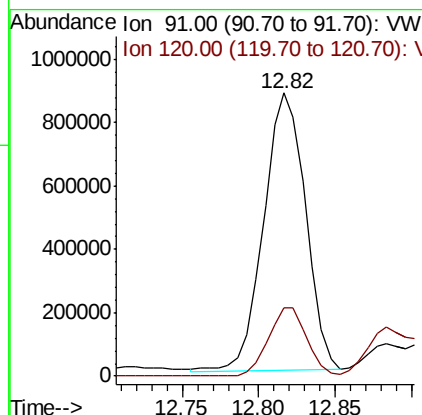
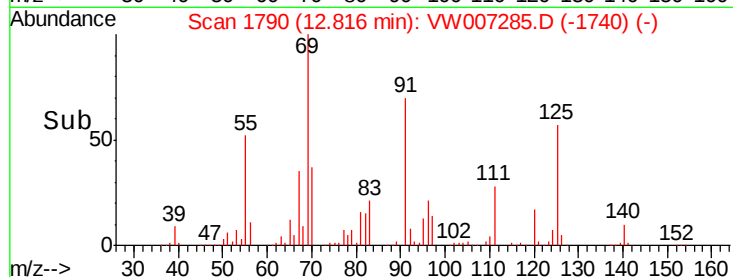
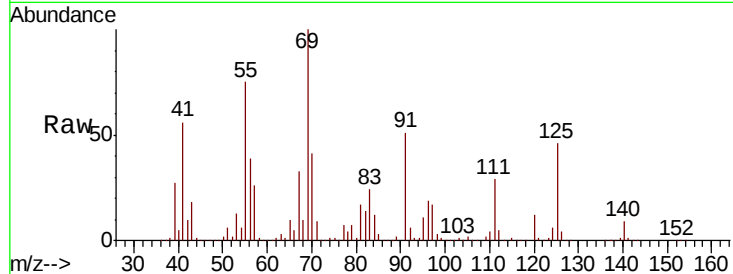




#78
 n-propylbenzene
 Concen: 126.385 ug/l
 RT: 12.82 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VW007285.D
 Acq: 06 Dec 2018 18:17

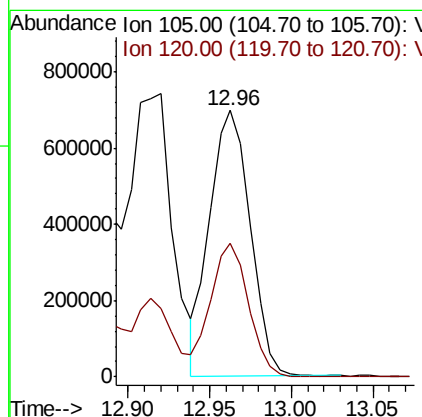
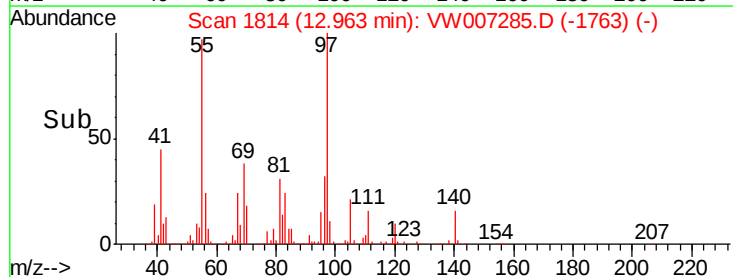
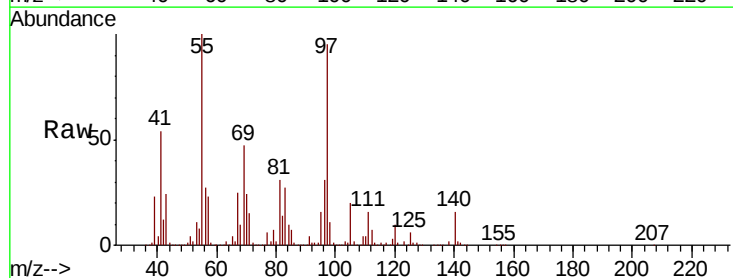
Instrument :
 MSVOA_W
 ClientSampleId :
 4UST-SW-6

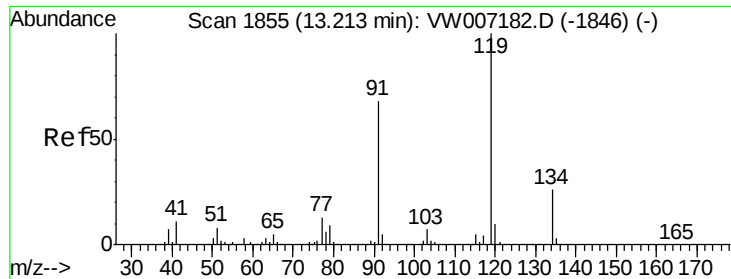
Tot Ion: 91 Resp: 1674672
 Ion Ratio Lower Upper
 91 100
 120 22.6 12.5 37.5



#80
 1,3,5-Trimethylbenzene
 Concen: 126.349 ug/l
 RT: 12.96 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: VW007285.D
 Acq: 06 Dec 2018 18:17

Tgt Ion:105 Resp: 1202174
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.8 71.5

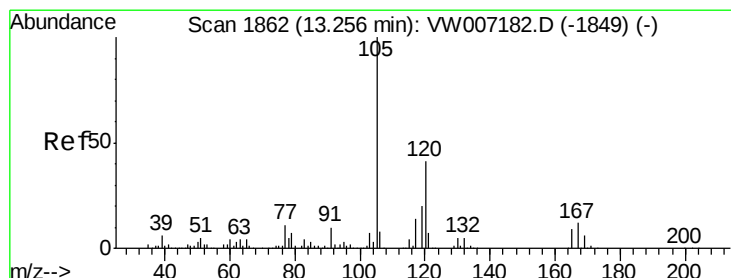
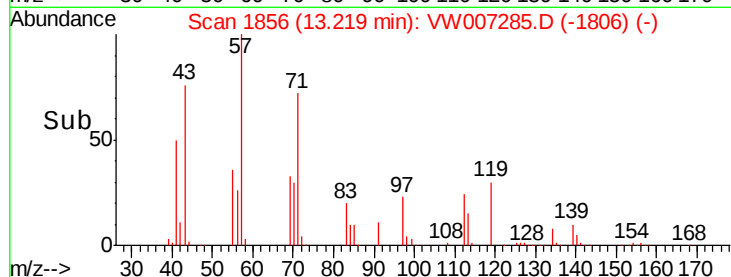
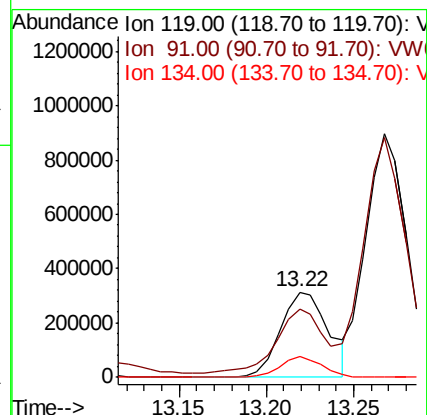
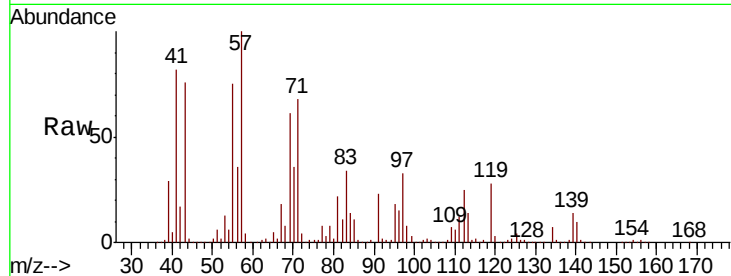




#83
tert-Butylbenzene
Concen: 71.917 ug/l
RT: 13.22 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VW007285.D
Acq: 06 Dec 2018 18:17

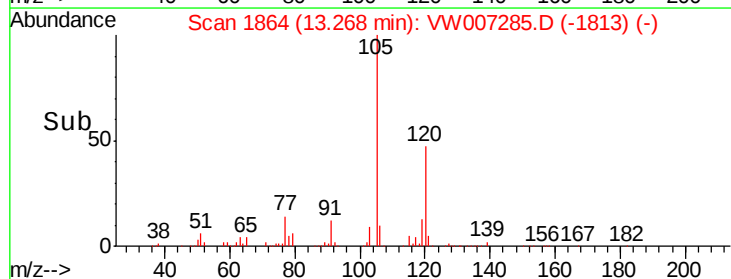
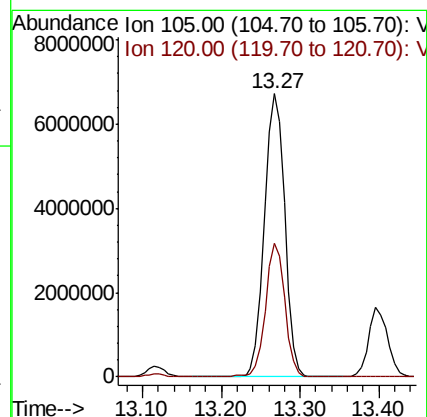
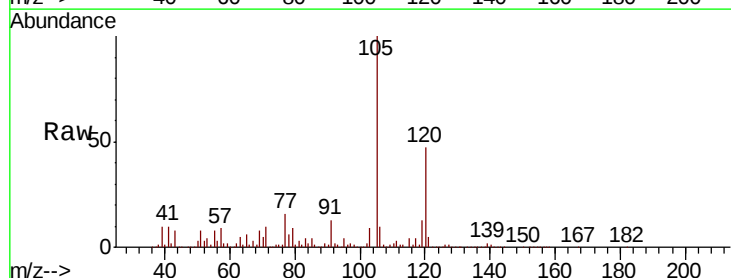
Instrument :
MSVOA_W
ClientSampleId :
4UST-SW-6

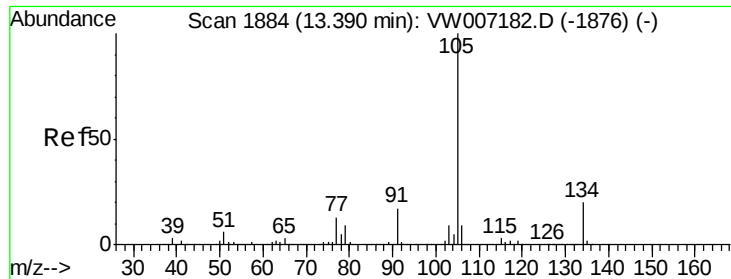
Tot Ion:119 Resp: 597980
Ion Ratio Lower Upper
119 100
91 71.4 34.0 101.8
134 21.3 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 1239.862 ug/l
RT: 13.27 min Scan# 1864
Delta R.T. 0.01 min
Lab File: VW007285.D
Acq: 06 Dec 2018 18:17

Tgt Ion:105 Resp:12042058
Ion Ratio Lower Upper
105 100
120 44.9 21.1 63.3





#85

sec-Butylbenzene

Concen: 231.311 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW007285.D

Acq: 06 Dec 2018 18:17

Instrument :

MSVOA_W

ClientSampleId :

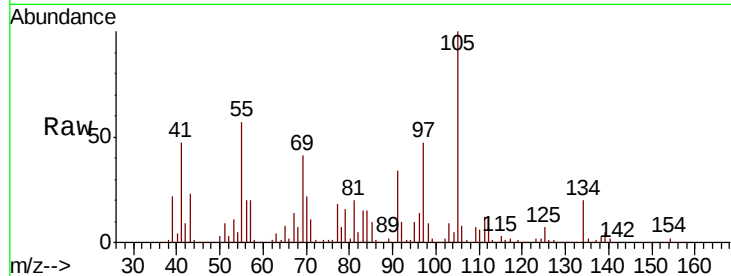
4UST-SW-6

Tot Ion:105 Resp: 2745735

Ion Ratio Lower Upper

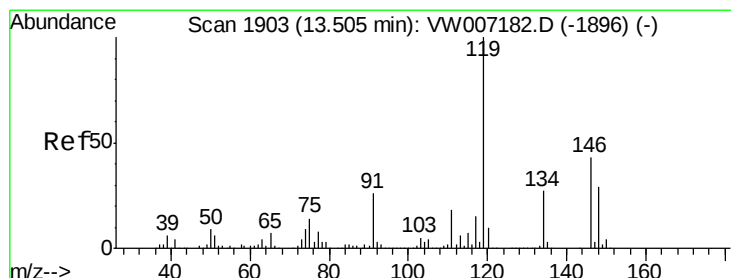
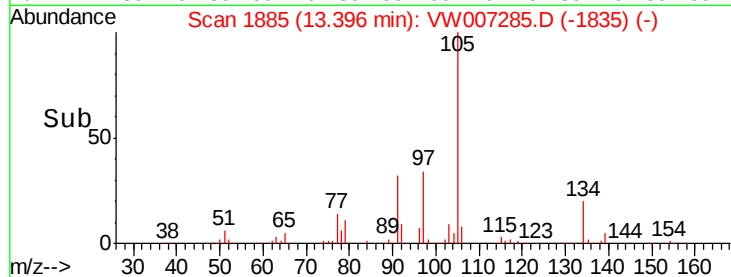
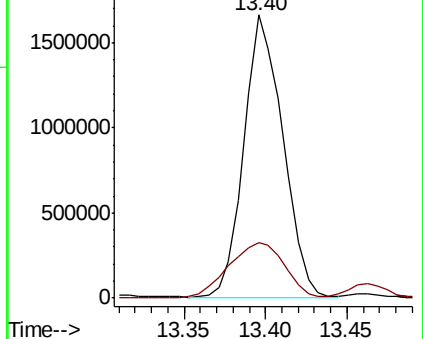
105 100

134 28.4 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 207.144 ug/l

RT: 13.52 min Scan# 1905

Delta R.T. 0.01 min

Lab File: VW007285.D

Acq: 06 Dec 2018 18:17

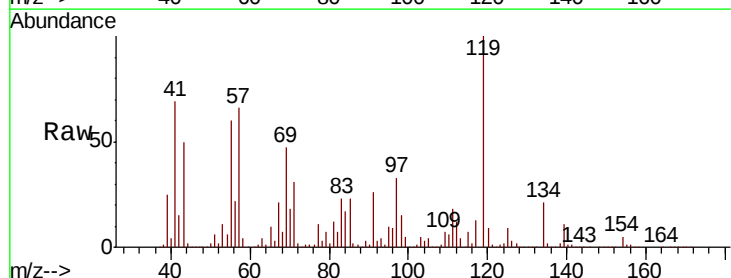
Tgt Ion:119 Resp: 2188890

Ion Ratio Lower Upper

119 100

134 22.7 13.2 39.6

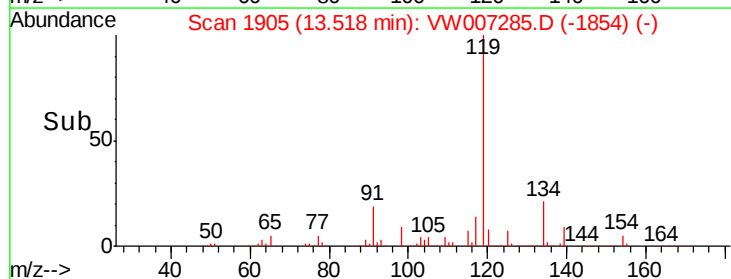
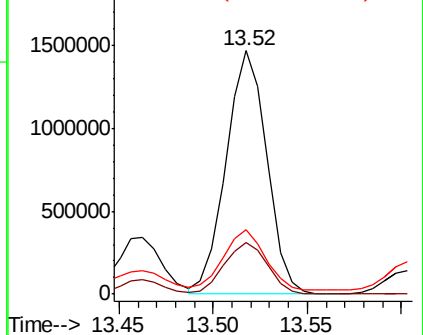
91 25.2 12.4 37.2

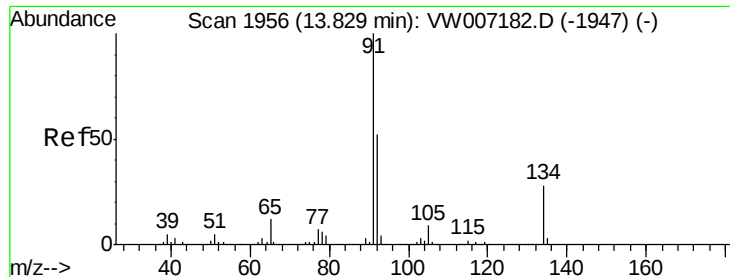


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

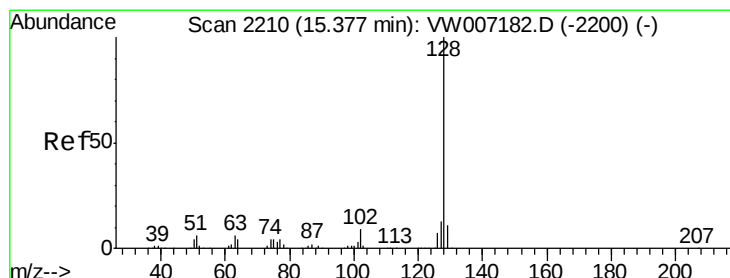
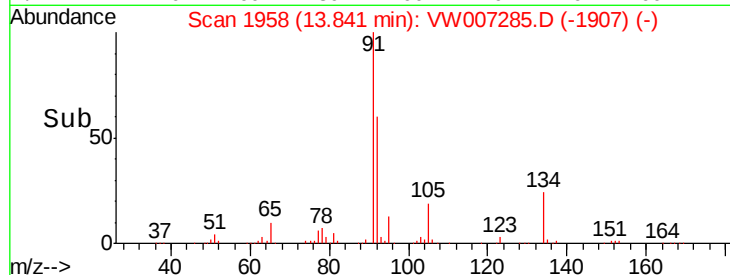
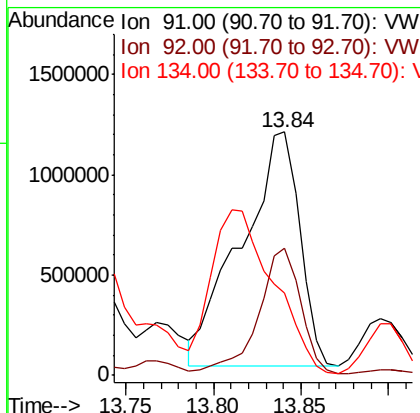
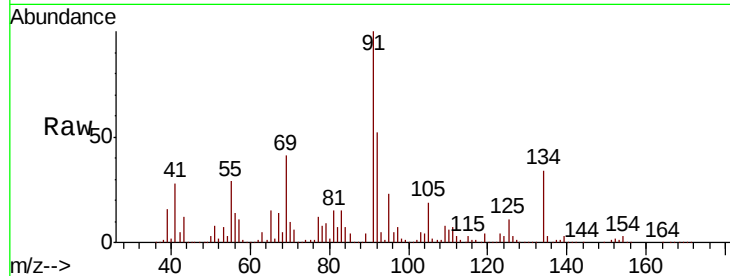




#89
n-Butylbenzene
Concen: 276.371 ug/l
RT: 13.84 min Scan# 1958
Delta R.T. 0.01 min
Lab File: VW007285.D
Acq: 06 Dec 2018 18:17

Instrument :
MSVOA_W
ClientSampleId :
4UST-SW-6

Tot Ion: 91 Resp: 2729028
Ion Ratio Lower Upper
91 100
92 39.2 26.5 79.5
134 0.0 14.1 42.2#



#95
Naphthalene
Concen: 165.386 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007285.D
Acq: 06 Dec 2018 18:17

Tgt Ion: 128 Resp: 876386
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.1 8.6 13.0

