

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121918\
 Data File : VW007645.D
 Acq On : 17 Dec 2018 21:08
 Operator : SY/AP
 Sample : J6379-04
 Misc : 4.80G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 07:07:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	45356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	90170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	76278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	28906	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	38934	77.37	ug/l	0.00
Spiked Amount			Recovery	=	154.74%	
35) Dibromofluoromethane	7.88	113	32703	59.91	ug/l	0.00
Spiked Amount			Recovery	=	119.82%	
50) Toluene-d8	10.32	98	98351	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.62	95	31143	41.39	ug/l	0.00
Spiked Amount			Recovery	=	82.78%	

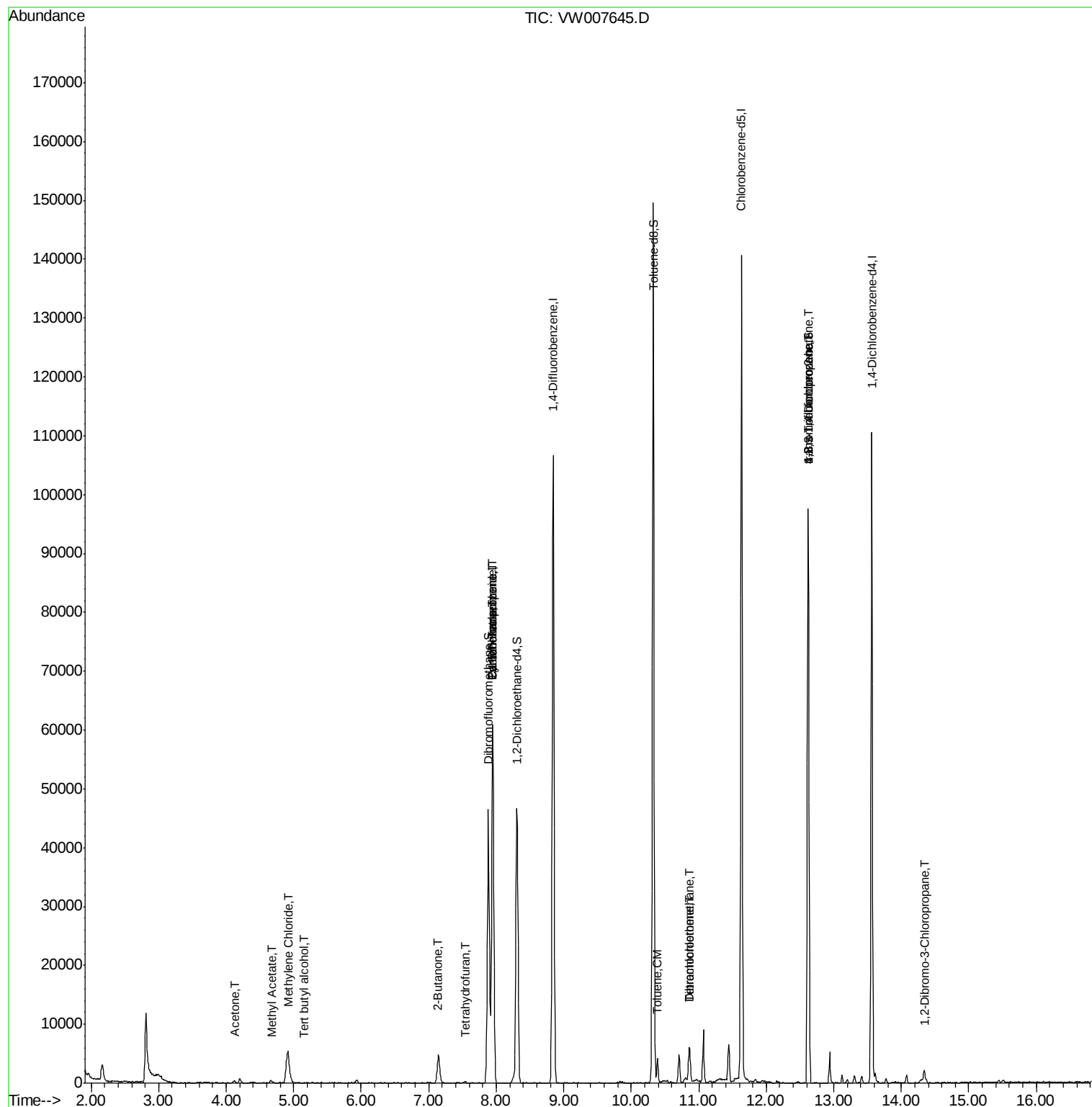
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	98	2.836	ug/l #	74
16) Acetone	4.12	43	657	7.475	ug/l #	54
18) Methyl Acetate	4.68	43	867	3.634	ug/l #	82
20) Methylene Chloride	4.92	84	4851	6.700	ug/l	92
25) 2-Butanone	7.15	43	173	1.508	ug/l #	45
29) Tetrahydrofuran	7.55	42	217	2.987	ug/l #	30
31) Cyclohexane	7.95	56	911	1.165	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3380	4.109	ug/l #	52
38) Carbon Tetrachloride	7.95	117	5026	5.616	ug/l #	13
52) Toluene	10.39	92	1751	1.185	ug/l	85
60) Dibromochloromethane	10.87	129	1176	2.282	ug/l #	11
64) Tetrachloroethene	10.86	164	1225	2.233	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	16213	68.025	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	16213	150.268	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.34	75	198	3.008	ug/l #	3

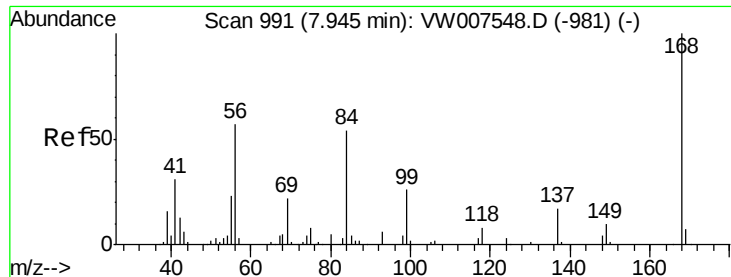
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007645.D

Acq: 17 Dec 2018 21:08

Instrument :

MSVOA_W

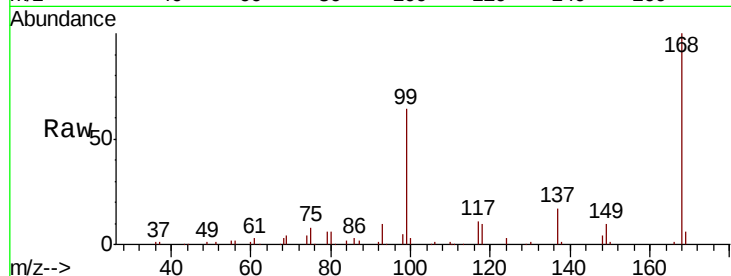
ClientSampleId :

Tot Ion:168 Resp: 45356

Ion Ratio Lower Upper

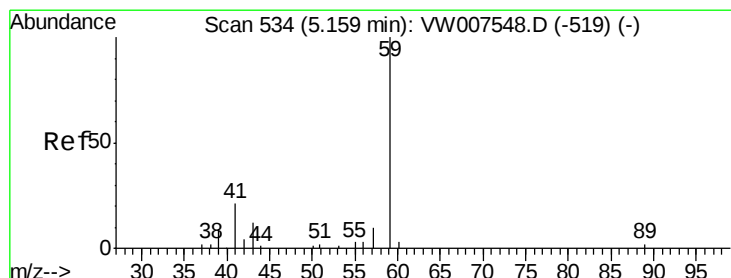
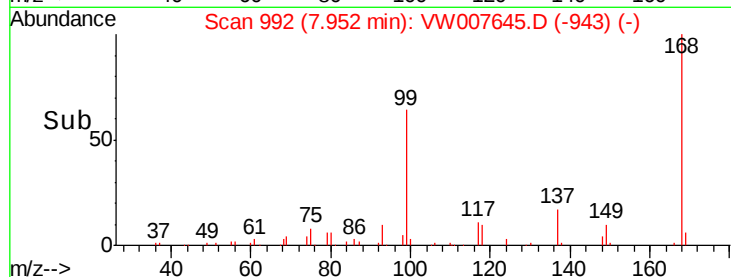
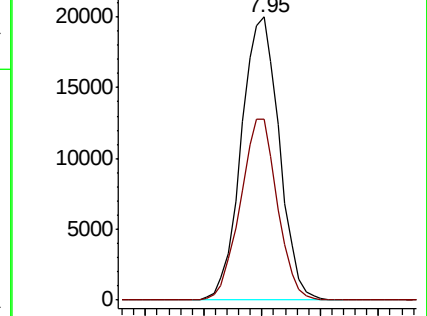
168 100

99 64.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.836 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW007645.D

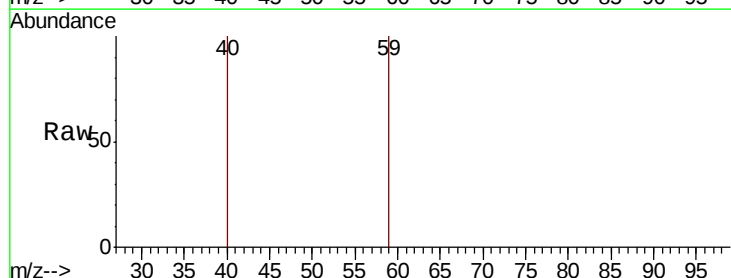
Acq: 17 Dec 2018 21:08

Tgt Ion: 59 Resp: 98

Ion Ratio Lower Upper

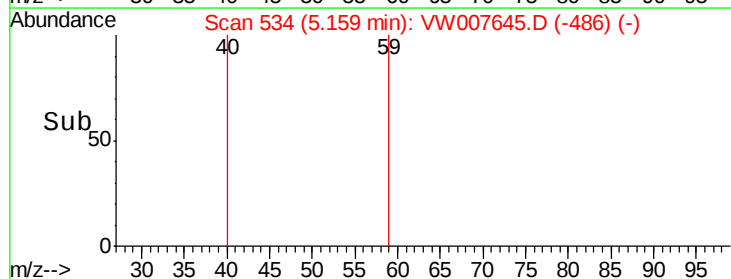
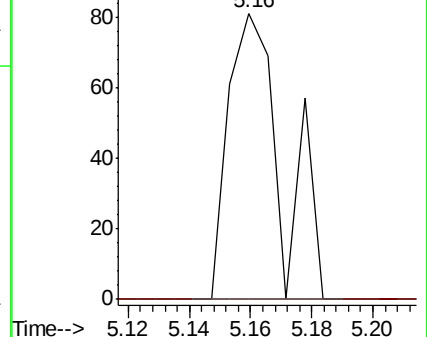
59 100

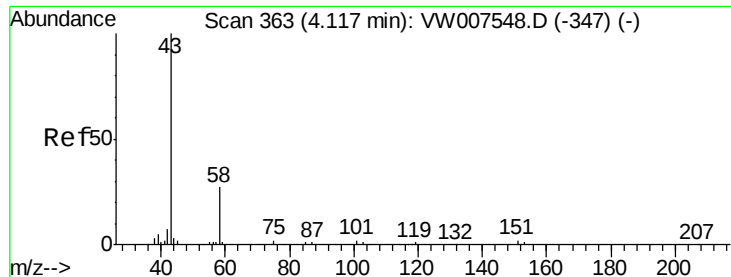
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 7.475 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007645.D

Acq: 17 Dec 2018 21:08

Instrument :

MSVOA_W

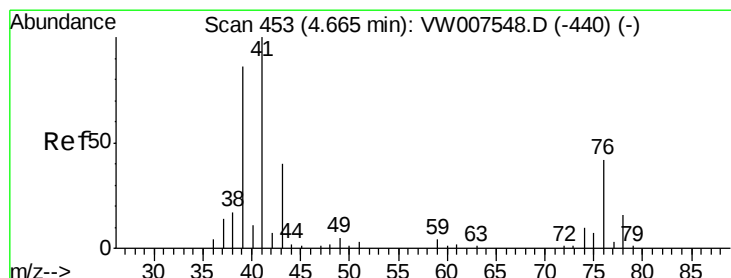
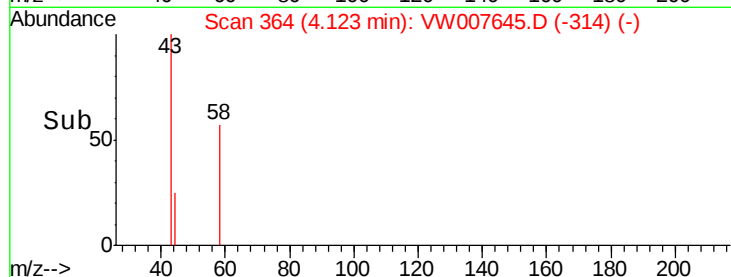
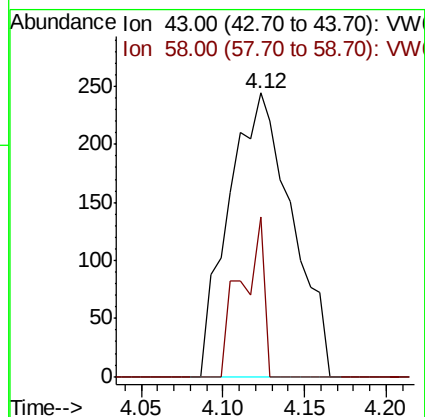
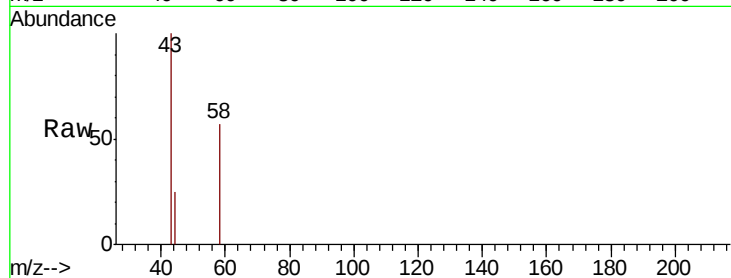
ClientSampleId :

Tot Ion: 43 Resp: 657

Ion Ratio Lower Upper

43 100

58 56.6 24.9 37.3#



#18

Methyl Acetate

Concen: 3.634 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW007645.D

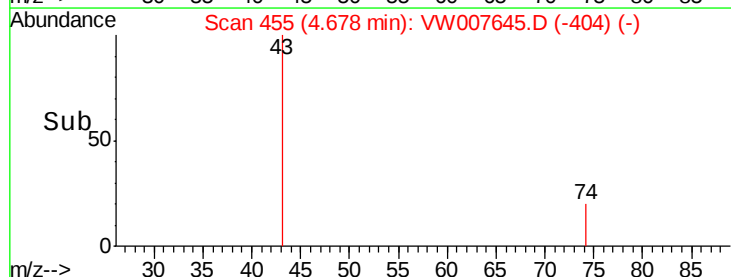
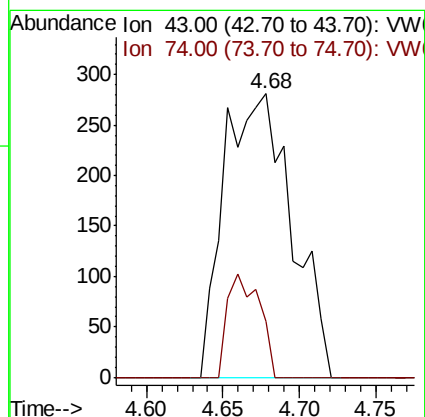
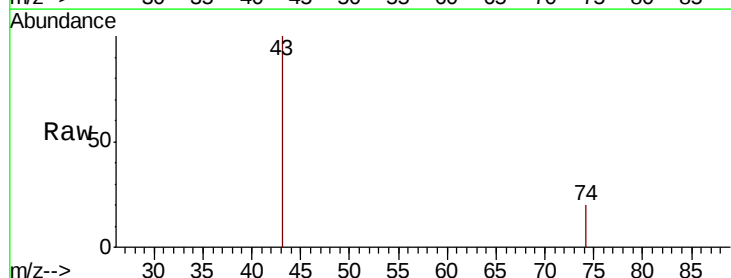
Acq: 17 Dec 2018 21:08

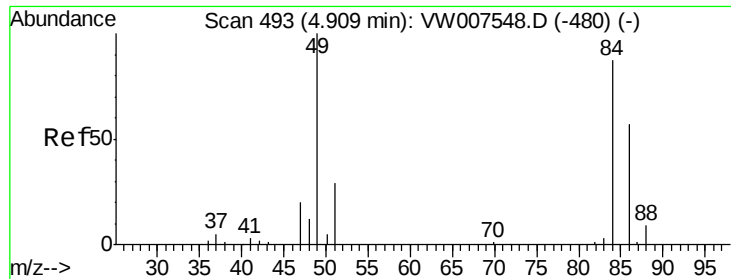
Tgt Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

74 17.0 21.1 31.7#

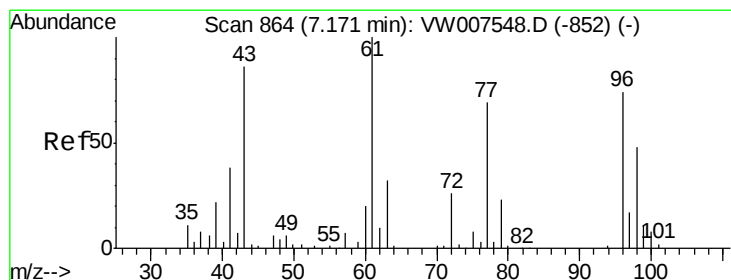
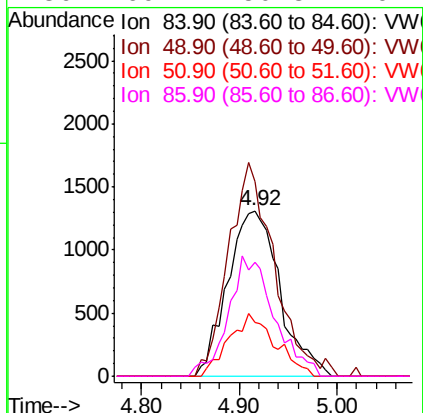
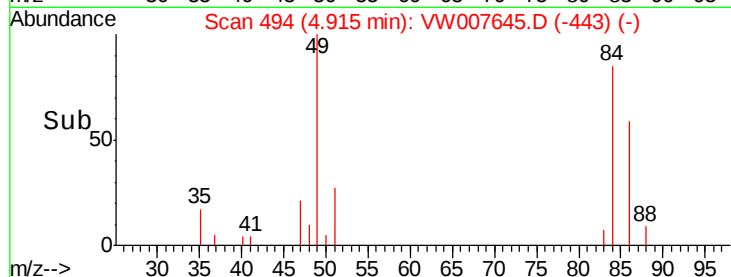
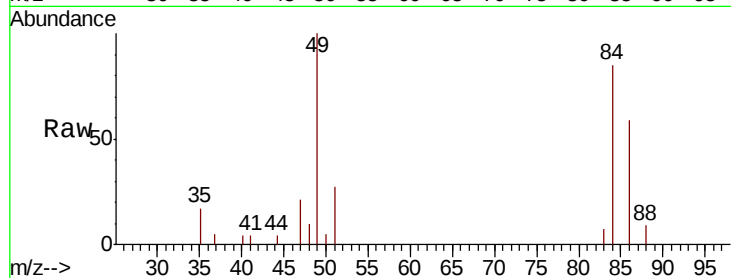




#20
Methvlene Chloride
Concen: 6.700 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007645.D
Acq: 17 Dec 2018 21:08

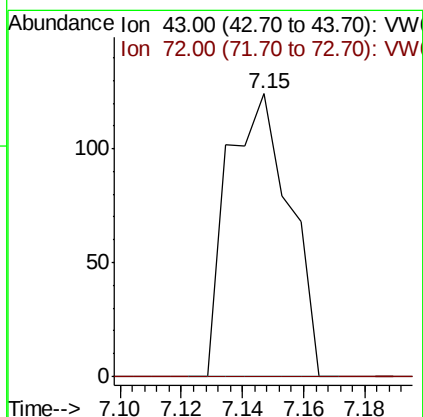
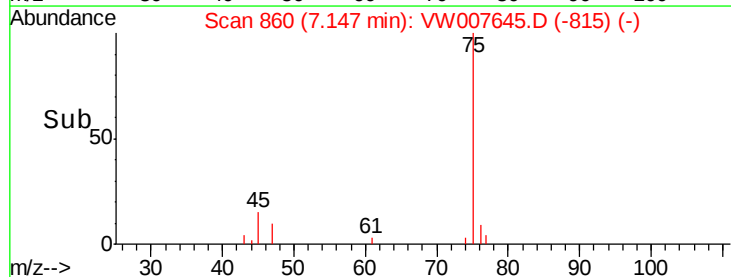
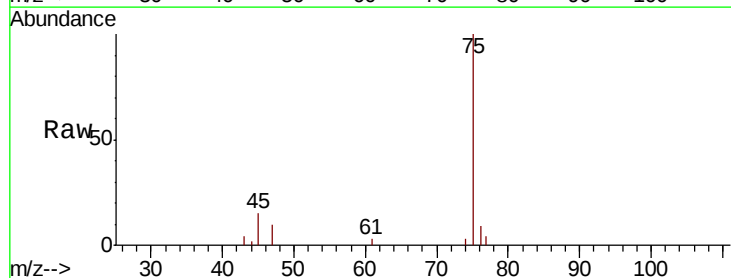
Instrument :
MSVOA_W
ClientSampled :

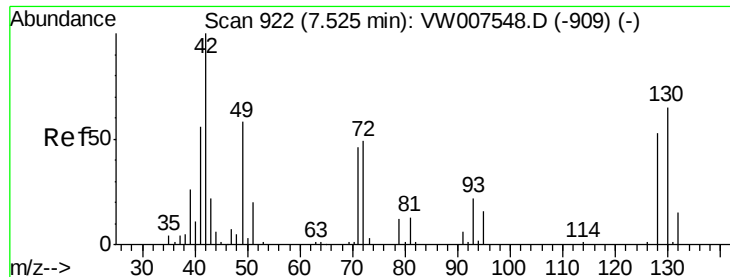
Tot Ion: 84 Resp: 4851
Ion Ratio Lower Upper
84 100
49 117.8 87.1 130.7
51 32.2 28.2 42.2
86 69.2 50.8 76.2



#25
2-Butanone
Concen: 1.508 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW007645.D
Acq: 17 Dec 2018 21:08

Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
72 0.0 23.4 35.2#





#29

Tetrahydrofuran

Concen: 2.987 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW007645.D

Acq: 17 Dec 2018 21:08

Instrument :

MSVOA_W

ClientSampleId :

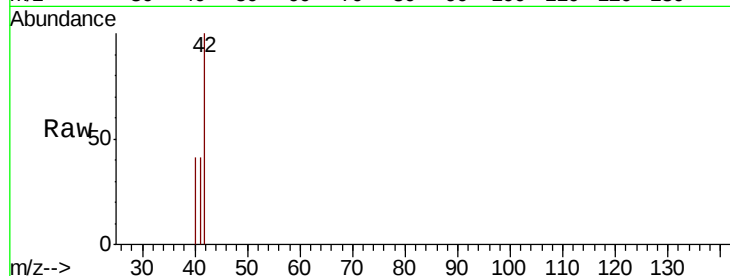
Tot Ion: 42 Resp: 217

Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.4#

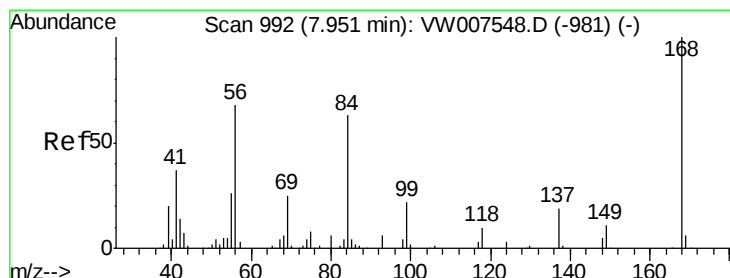
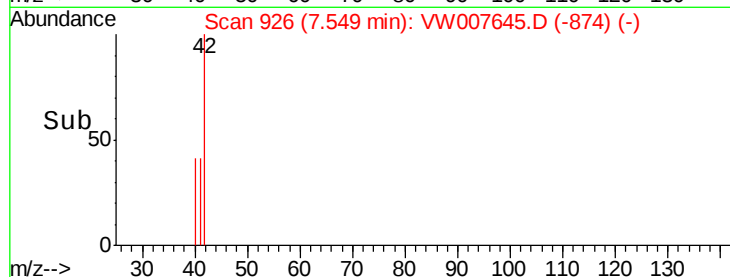
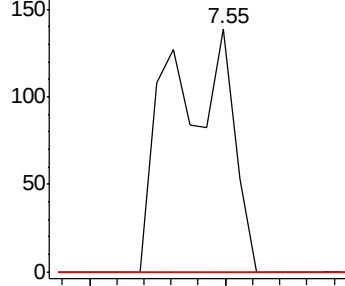
71 0.0 35.5 53.3#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.165 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007645.D

Acq: 17 Dec 2018 21:08

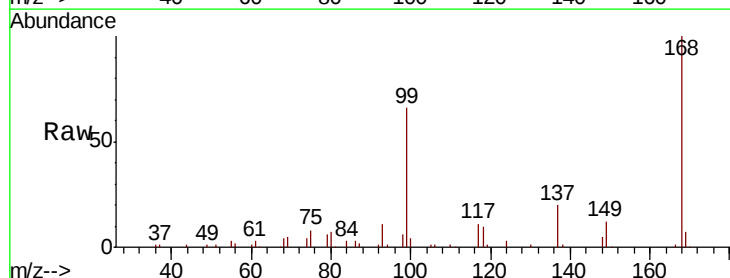
Tgt Ion: 56 Resp: 911

Ion Ratio Lower Upper

56 100

69 202.3 28.9 43.3#

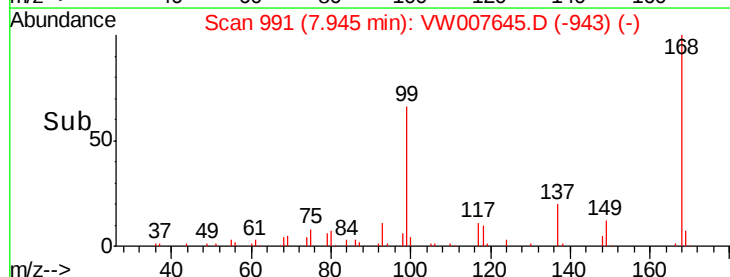
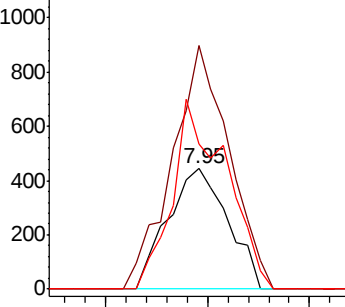
84 120.7 71.8 107.6#

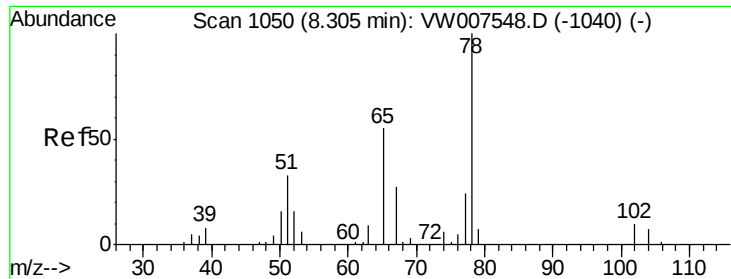


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

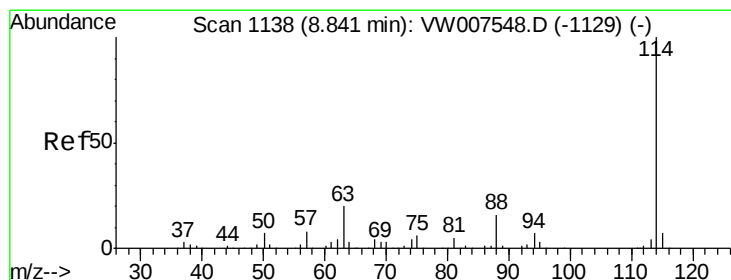
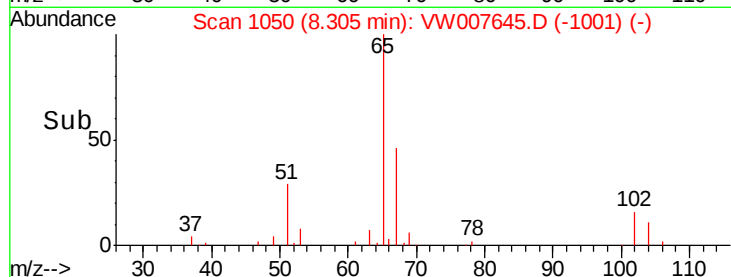
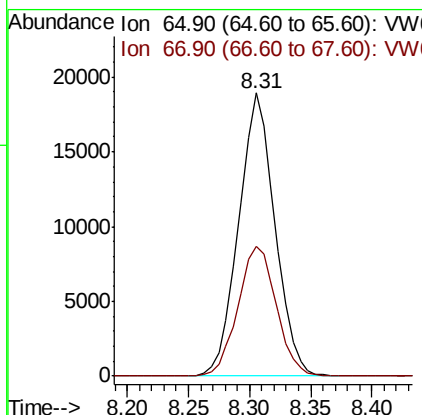
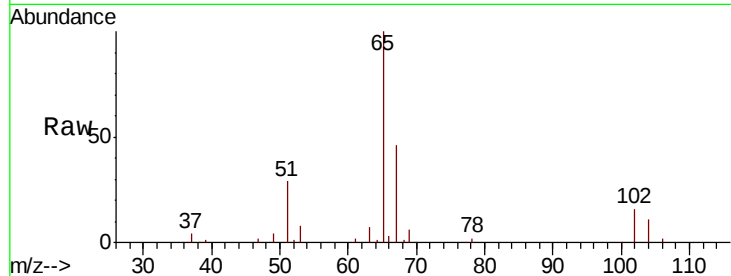




#33
 1,2-Dichloroethane-d4
 Concen: 77.375 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007645.D
 Acq: 17 Dec 2018 21:08

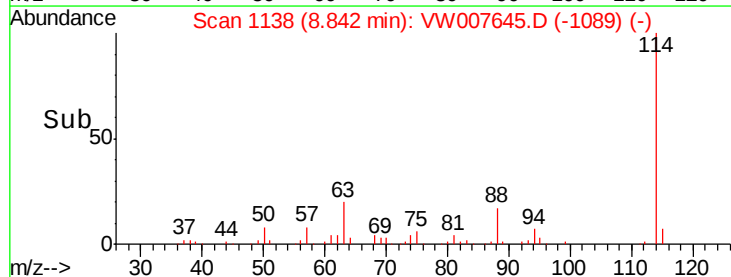
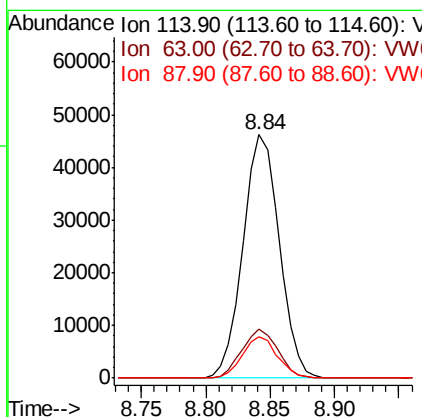
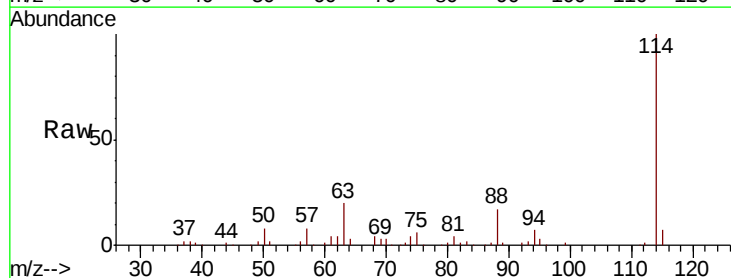
Instrument :
 MSVOA_W
 ClientSampleId :

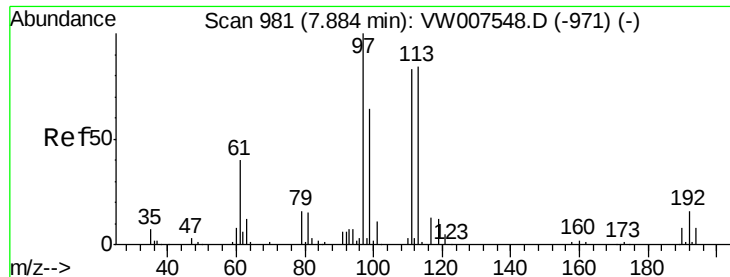
Tot Ion: 65 Resp: 38934
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007645.D
 Acq: 17 Dec 2018 21:08

Tgt Ion: 114 Resp: 90170
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.6
 88 17.0 0.0 31.4

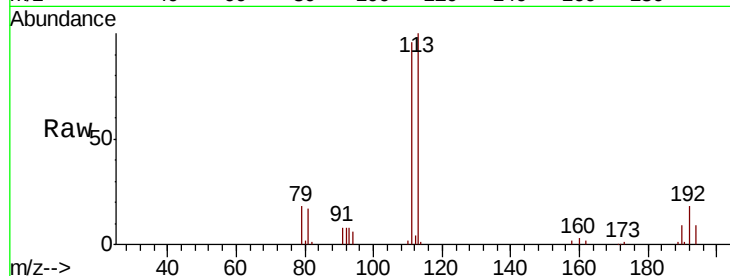




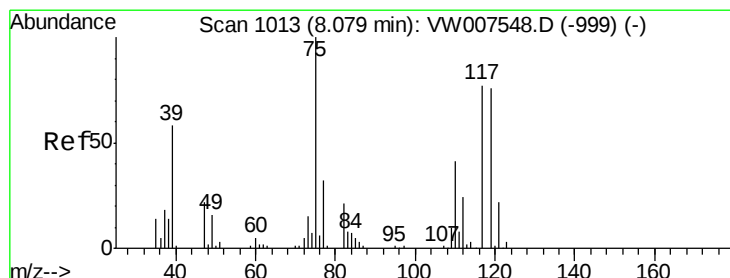
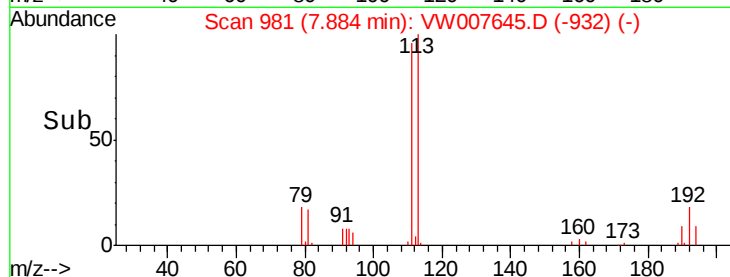
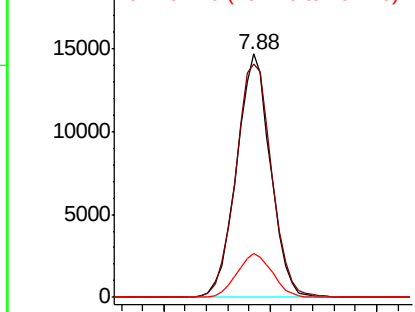
#35
 Dibromofluoromethane
 Concen: 59.914 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007645.D
 Acq: 17 Dec 2018 21:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 32703
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.1 121.7
 192 18.6 14.6 21.8

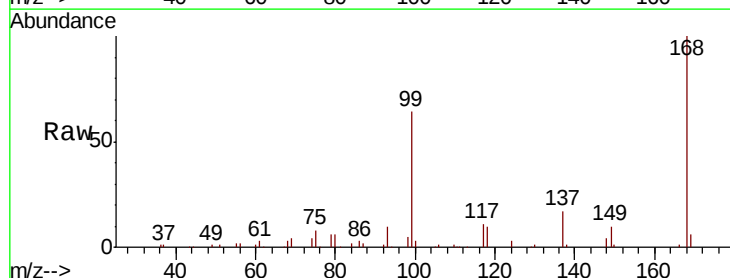


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

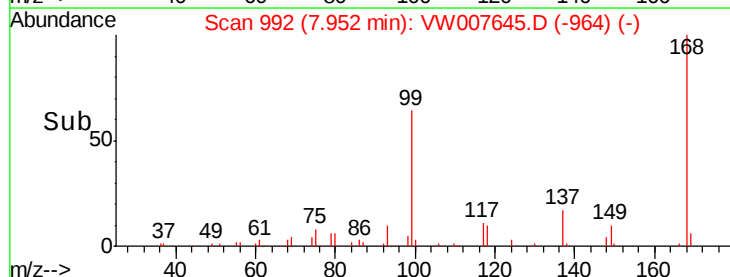
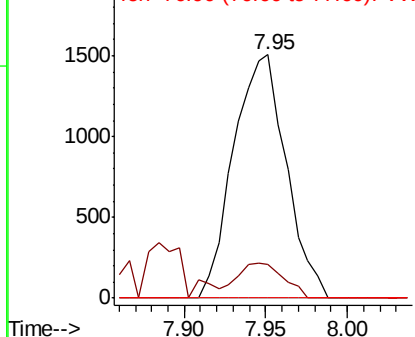


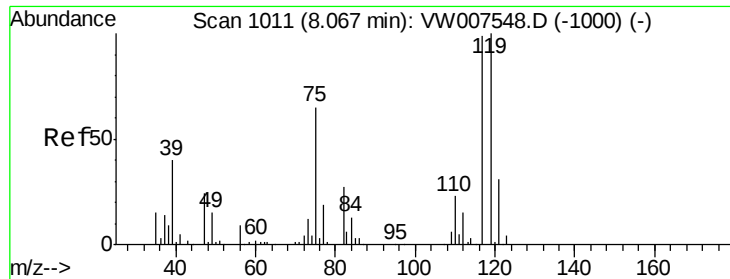
#36
 1,1-Dichloropropene
 Concen: 4.109 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007645.D
 Acq: 17 Dec 2018 21:08

Tgt Ion: 75 Resp: 3380
 Ion Ratio Lower Upper
 75 100
 110 12.8 18.5 55.5#
 77 0.0 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

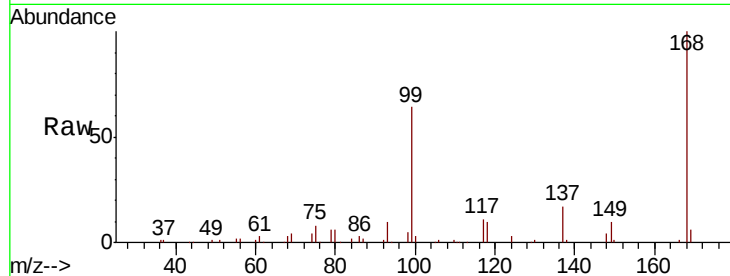




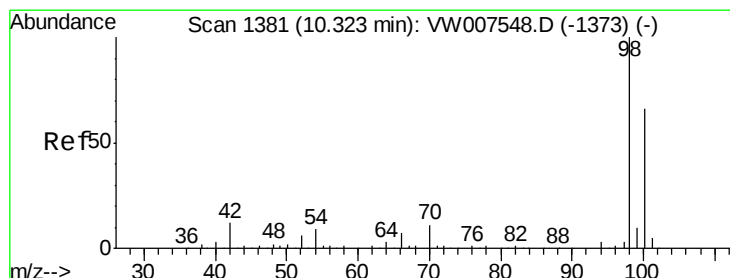
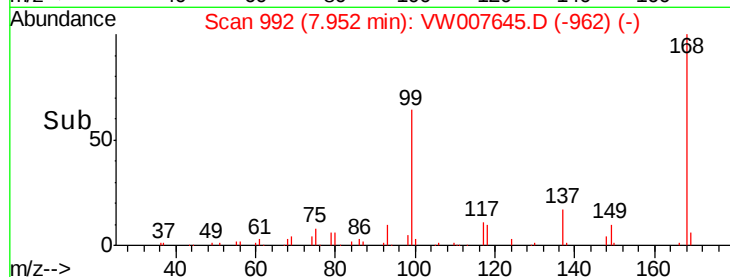
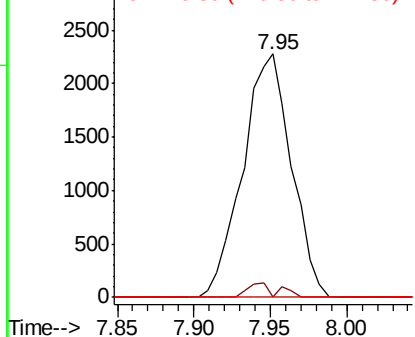
#38
Carbon Tetrachloride
Concen: 5.616 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007645.D
Acq: 17 Dec 2018 21:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 5026
Ion Ratio Lower Upper
117 100
119 0.0 74.3 111.5#
121 0.0 24.3 36.5#

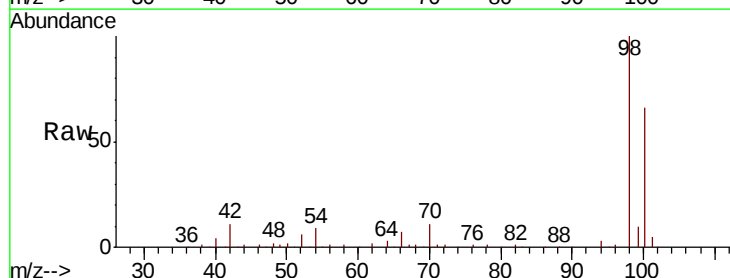


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

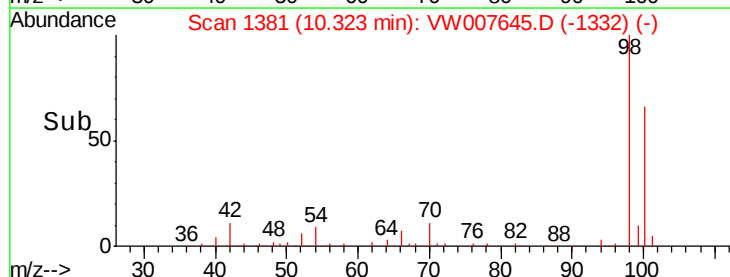
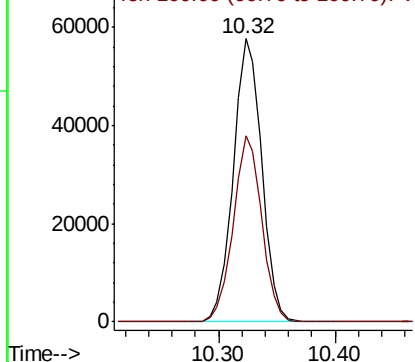


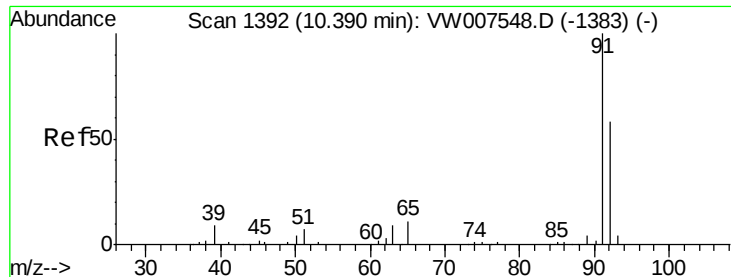
#50
Toluene-d8
Concen: 48.056 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007645.D
Acq: 17 Dec 2018 21:08

Tgt Ion: 98 Resp: 98351
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 1.185 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007645.D

Acq: 17 Dec 2018 21:08

Instrument :

MSVOA_W

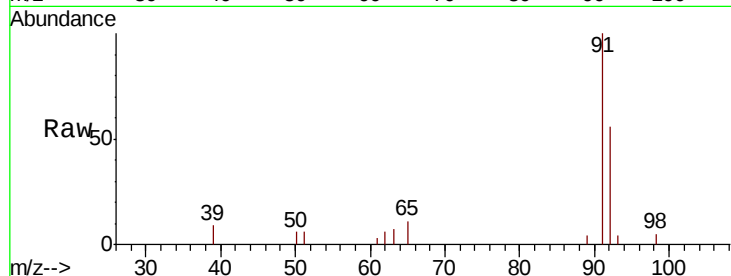
ClientSampleId :

Tot Ion: 92 Resp: 1751

Ion Ratio Lower Upper

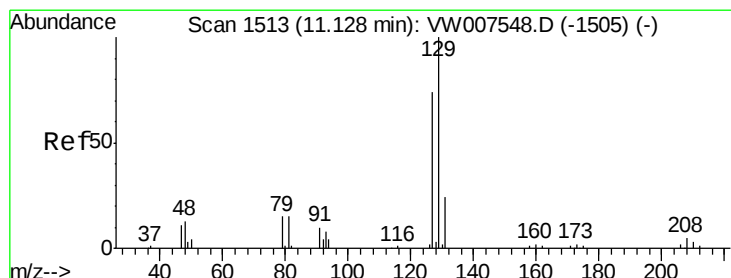
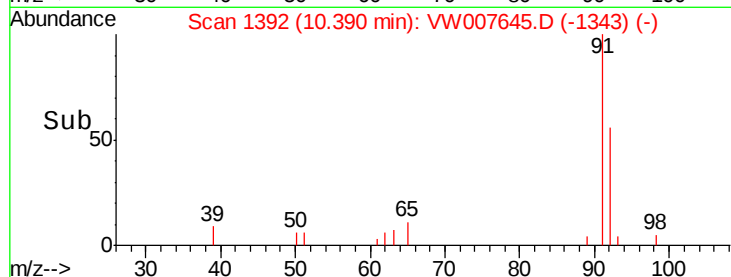
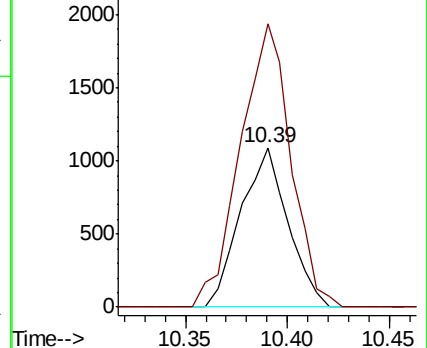
92 100

91 190.2 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#60

Dibromochloromethane

Concen: 2.282 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW007645.D

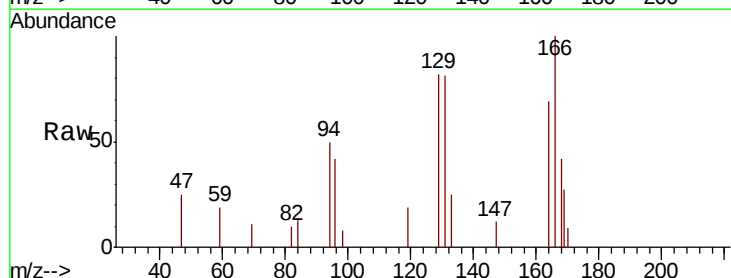
Acq: 17 Dec 2018 21:08

Tgt Ion: 129 Resp: 1176

Ion Ratio Lower Upper

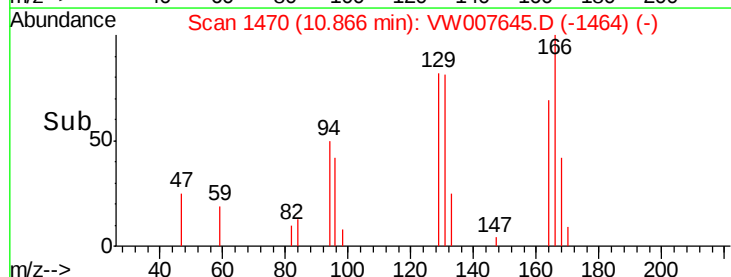
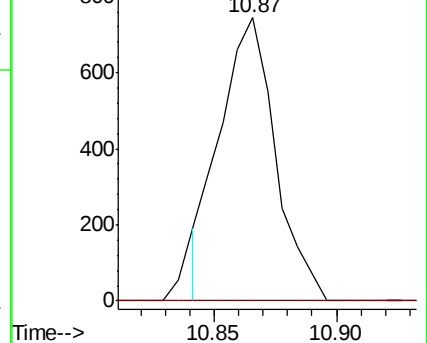
129 100

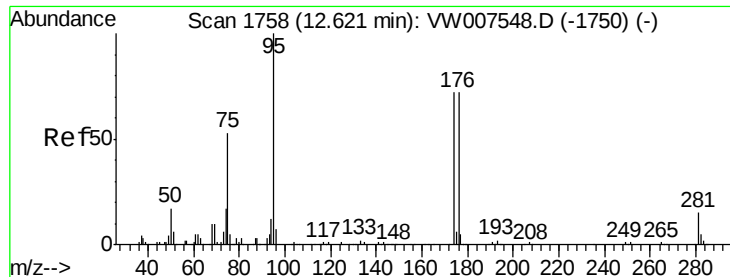
127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

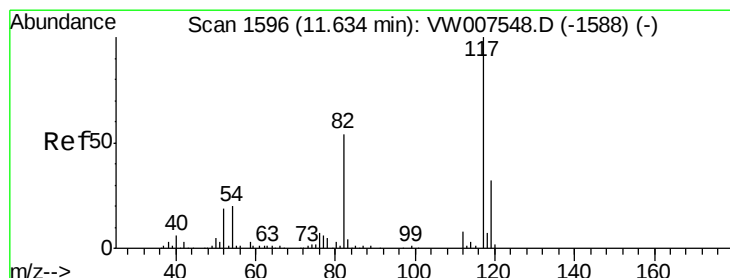
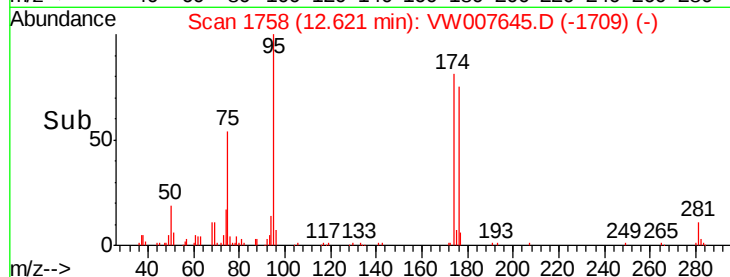
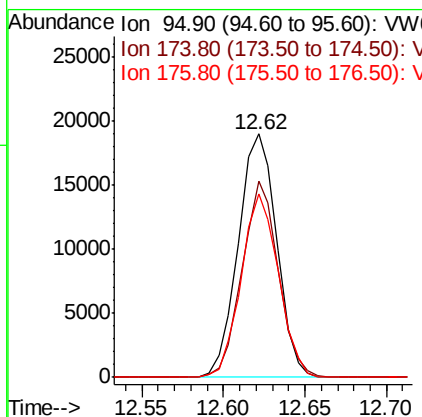
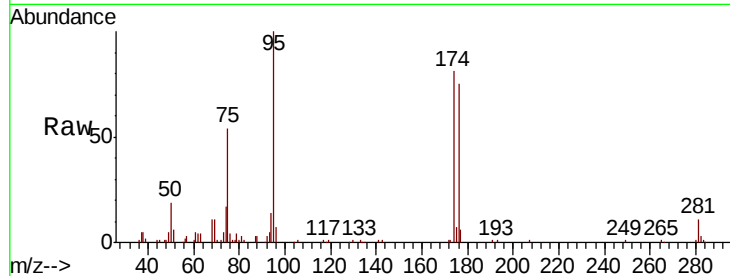




#62
4-Bromofluorobenzene
Concen: 41.387 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007645.D
Acq: 17 Dec 2018 21:08

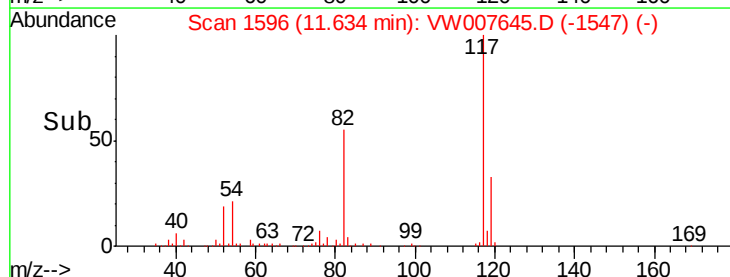
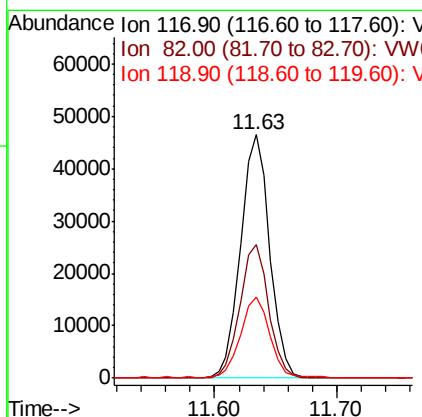
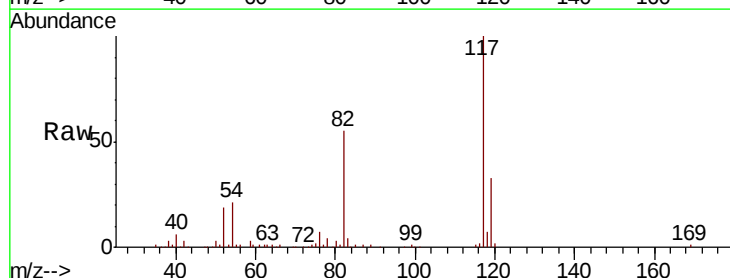
Instrument :
MSVOA_W
ClientSampleId :

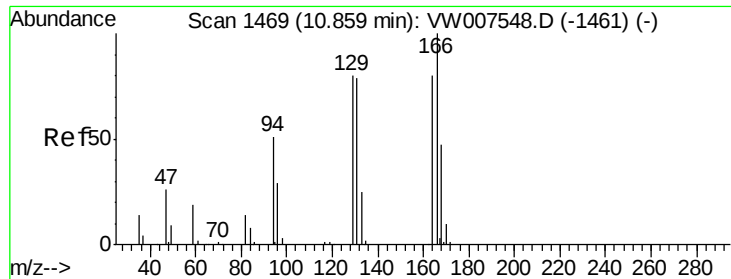
Tot Ion: 95 Resp: 31143
Ion Ratio Lower Upper
95 100
174 76.2 0.0 147.2
176 73.0 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007645.D
Acq: 17 Dec 2018 21:08

Tgt Ion: 117 Resp: 76278
Ion Ratio Lower Upper
117 100
82 54.9 42.3 63.5
119 33.1 23.0 34.6

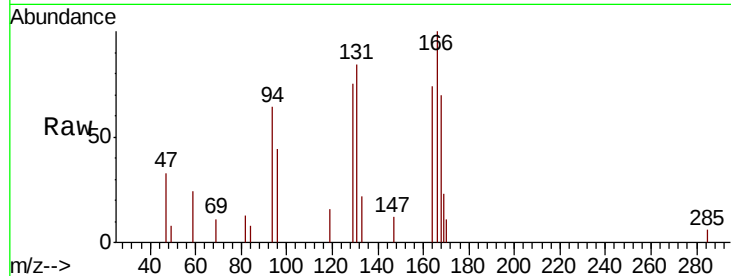




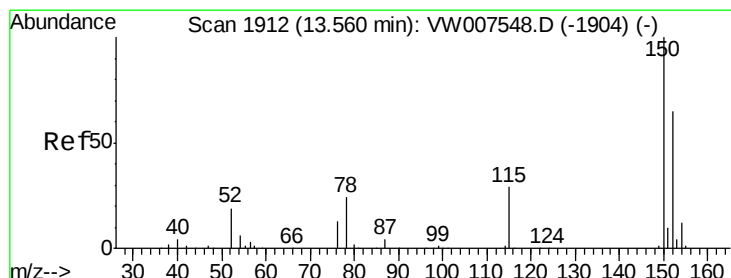
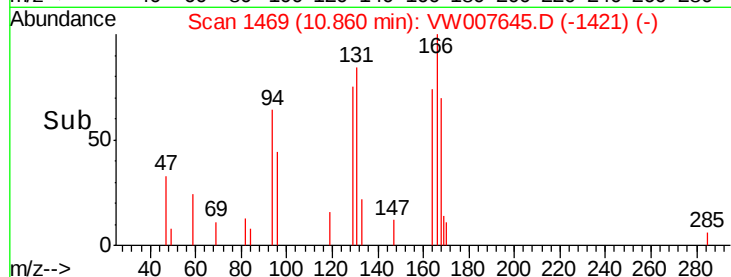
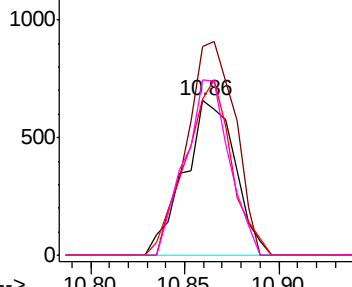
#64
Tetrachloroethene
Concen: 2.233 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007645.D
Acq: 17 Dec 2018 21:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:164 Resp: 1225
Ion Ratio Lower Upper
164 100
166 135.0 107.9 161.9
129 100.6 73.4 110.2
131 113.5 75.8 113.6

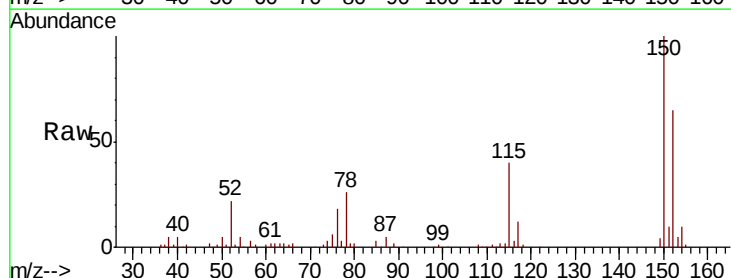


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

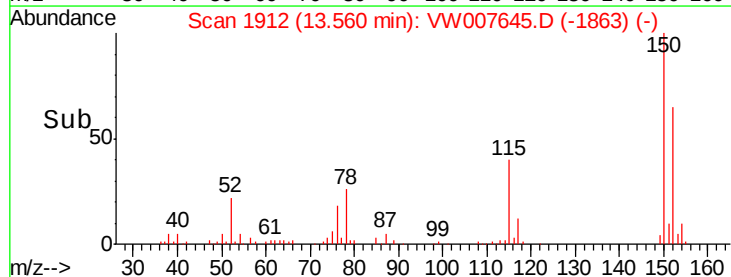
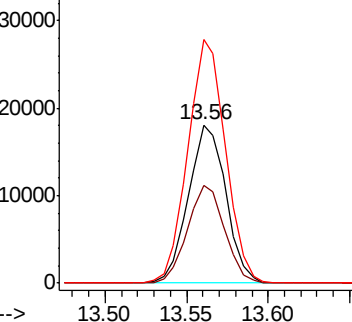


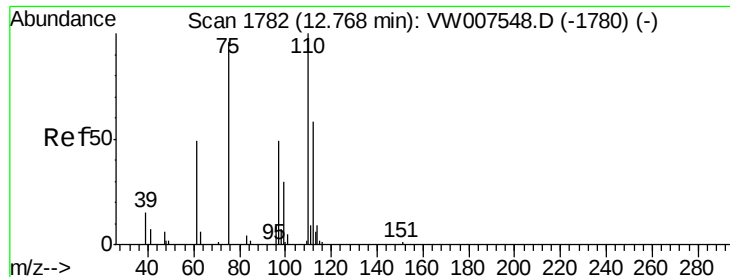
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007645.D
Acq: 17 Dec 2018 21:08

Tgt Ion:152 Resp: 28906
Ion Ratio Lower Upper
152 100
115 61.5 31.4 94.2
150 154.7 0.0 358.4



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





#76

1,2,3-Trichloropropane

Concen: 68.025 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007645.D

Acq: 17 Dec 2018 21:08

Instrument :

MSVOA_W

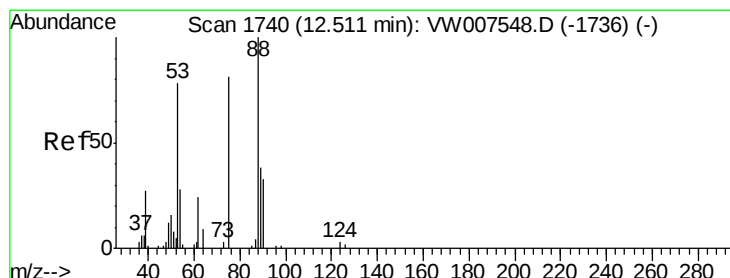
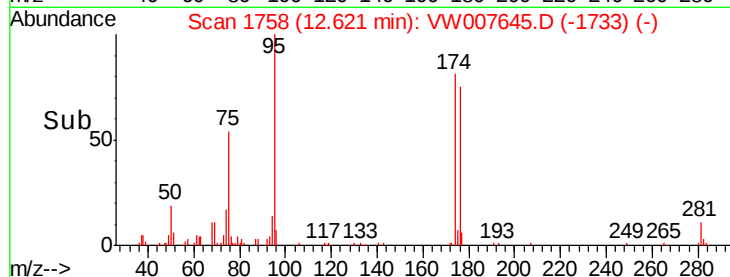
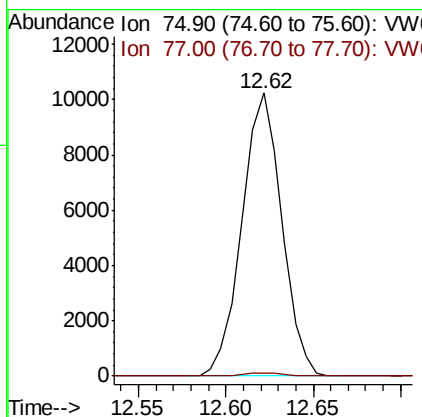
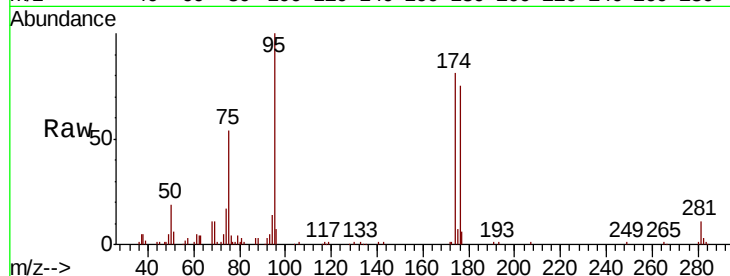
ClientSampleId :

Tot Ion: 75 Resp: 16213

Ion Ratio Lower Upper

75 100

77 1.0 166.9 500.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.268 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007645.D

Acq: 17 Dec 2018 21:08

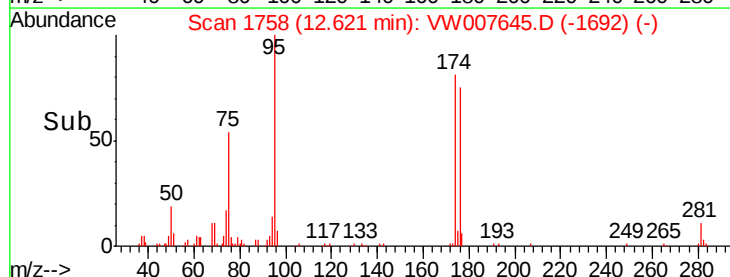
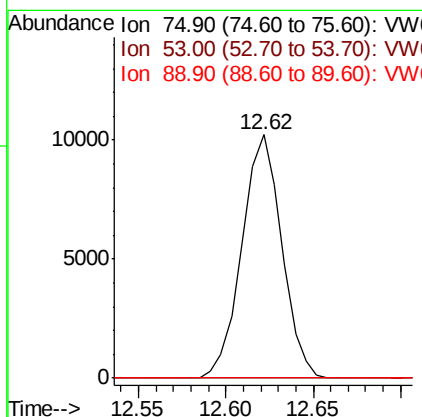
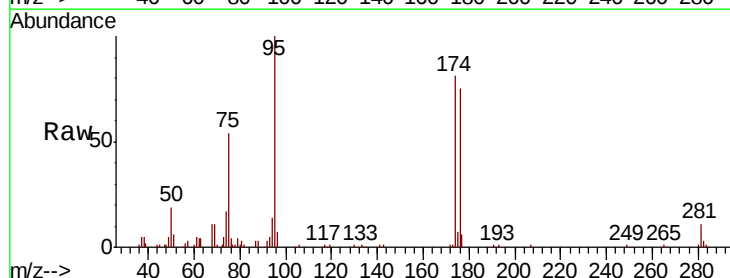
Tgt Ion: 75 Resp: 16213

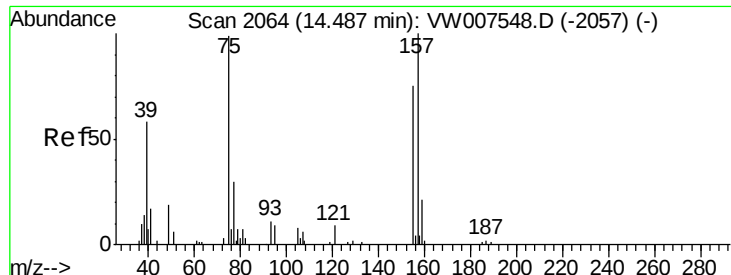
Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.008 ug/l

RT: 14.34 min Scan# 2040

Delta R.T. -0.15 min

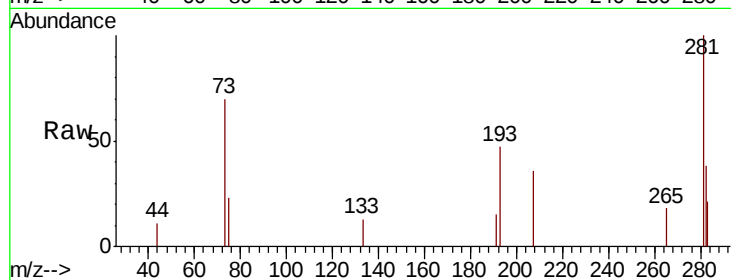
Lab File: VW007645.D

Acq: 17 Dec 2018 21:08

Instrument :

MSVOA_W

ClientSampleId :



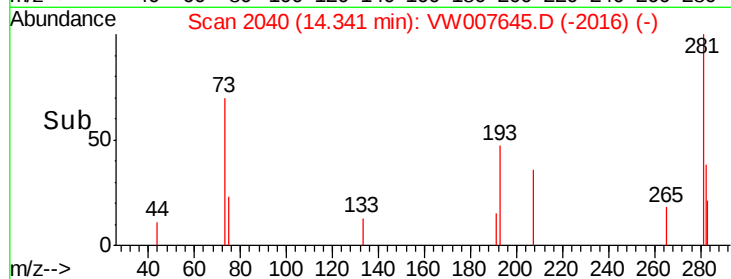
Tot Ion: 75 Resp: 198

Ion Ratio Lower Upper

75 100

155 0.0 40.8 122.2#

157 0.0 51.1 153.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

