

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121718\
 Data File : VW007523.D
 Acq On : 14 Dec 2018 09:45
 Operator : SY/AP
 Sample : VW1213SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBL01

Quant Time: Dec 14 10:35:16 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	69188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	120127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	110832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52821	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	42763	55.71	ug/l	0.00
Spiked Amount			Recovery	=	111.42%	
35) Dibromofluoromethane	7.88	113	39582	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
50) Toluene-d8	10.32	98	143992	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
62) 4-Bromofluorobenzene	12.62	95	54727	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	

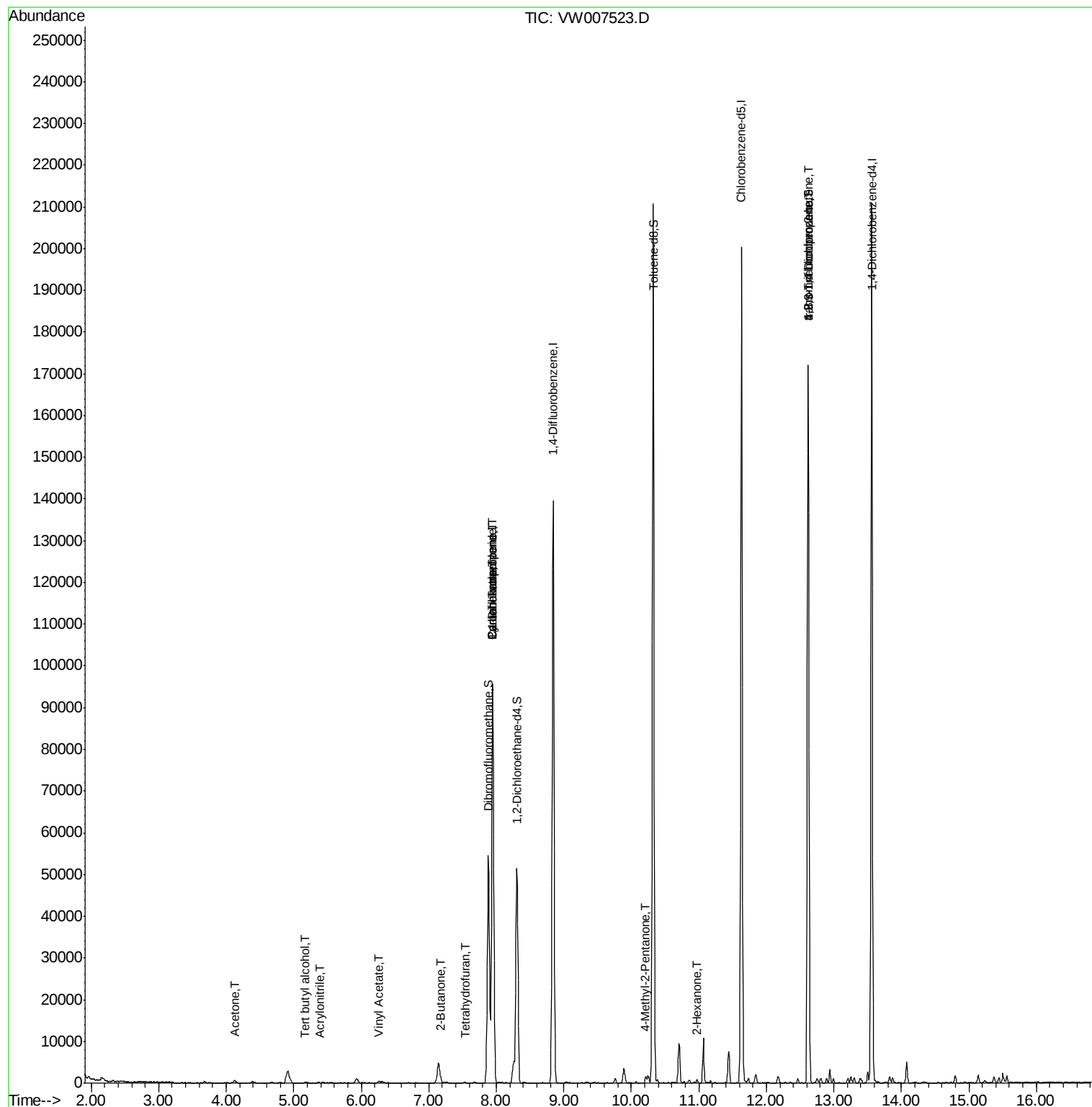
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	211	4.003	ug/l #	74
15) Acrylonitrile	5.38	53	161	1.142	ug/l #	38
16) Acetone	4.12	43	1281	9.554	ug/l	100
20) Methylene Chloride	4.90	84	2699	Below Cal	#	80
23) Vinyl Acetate	6.26	43	1223	1.137	ug/l #	72
25) 2-Butanone	7.18	43	634	3.622	ug/l #	45
29) Tetrahydrofuran	7.54	42	195	1.760	ug/l #	40
31) Cyclohexane	7.95	56	1701	1.426	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	5158	4.707	ug/l #	48
38) Carbon Tetrachloride	7.95	117	7245	6.076	ug/l #	18
51) 4-Methyl-2-Pentanone	10.22	43	1273	3.346	ug/l #	86
59) 2-Hexanone	10.98	43	540	2.129	ug/l	83
76) 1,2,3-Trichloropropane	12.62	75	28745	66.001	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	28745	145.797	ug/l #	7

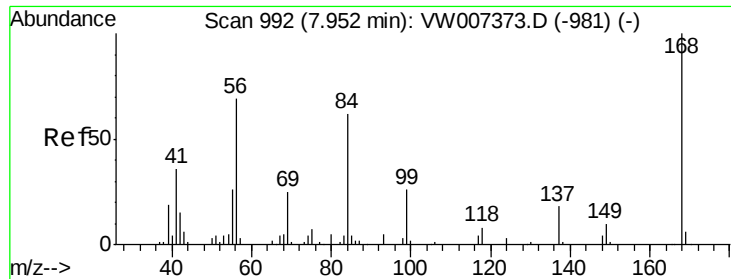
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007523.D

Acq: 14 Dec 2018 09:45

Instrument :

MSVOA_W

ClientSampleId :

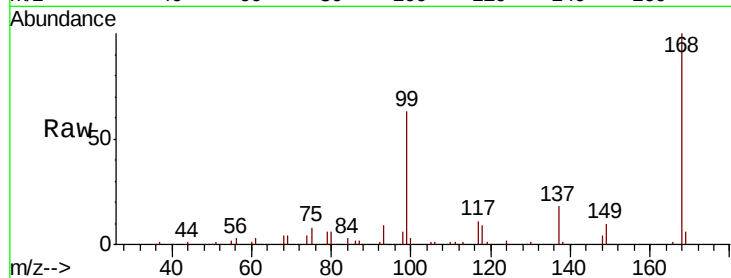
VW1217SBL01

Tot Ion:168 Resp: 69188

Ion Ratio Lower Upper

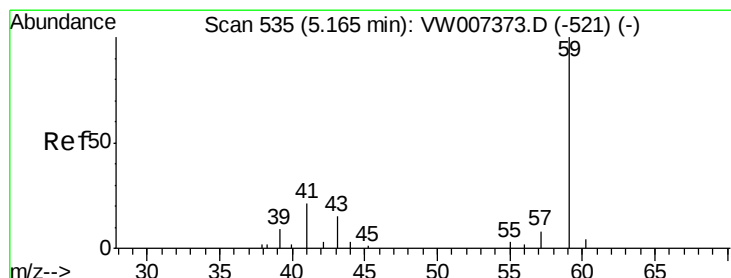
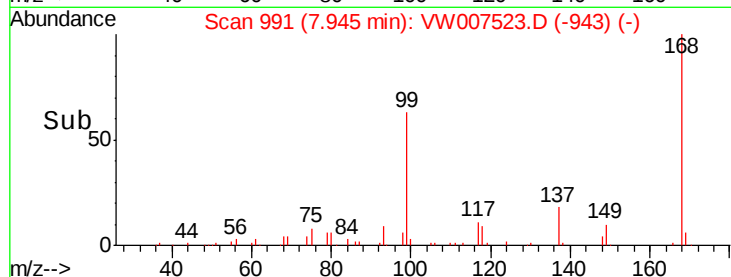
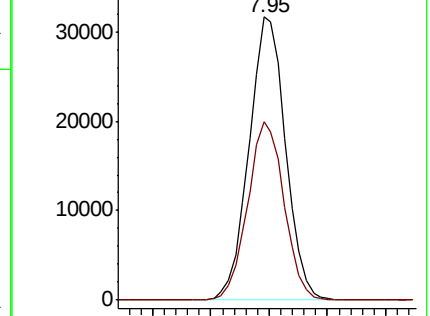
168 100

99 63.2 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: 4.003 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007523.D

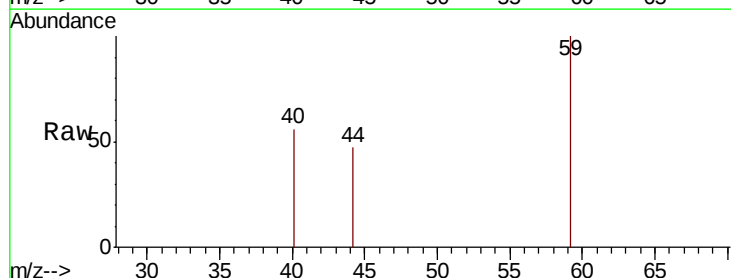
Acq: 14 Dec 2018 09:45

Tgt Ion: 59 Resp: 211

Ion Ratio Lower Upper

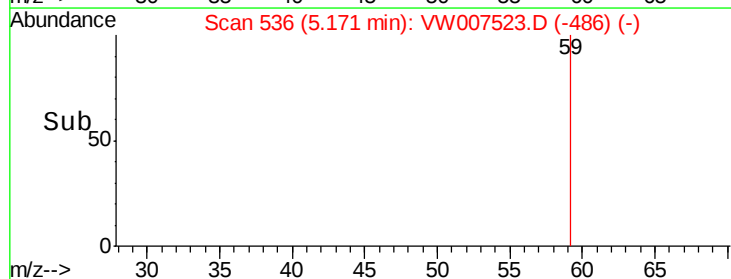
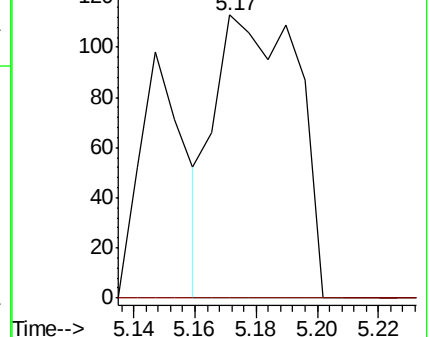
59 100

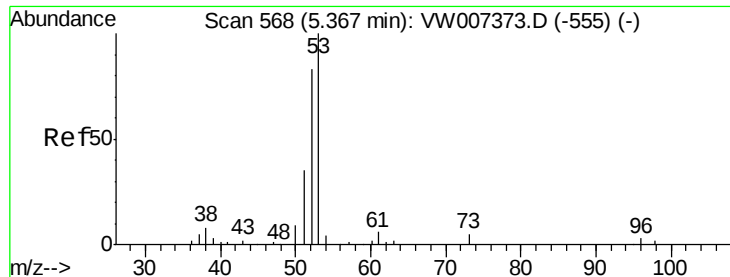
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#15

Acrylonitrile

Concen: 1.142 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.02 min

Lab File: VW007523.D

Acq: 14 Dec 2018 09:45

Instrument :

MSVOA_W

ClientSampled :

VW1217SBL01

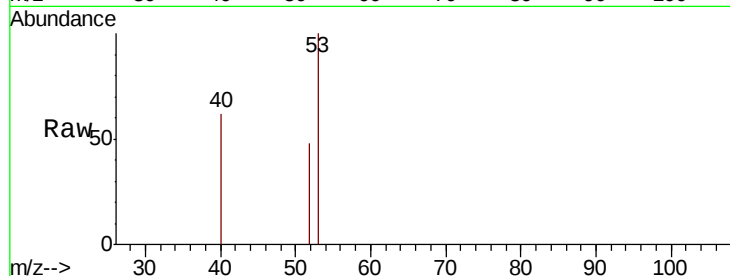
Tot Ion: 53 Resp: 161

Ion Ratio Lower Upper

53 100

52 28.0 67.4 101.2#

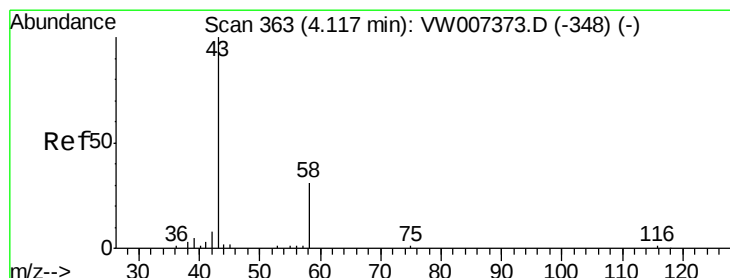
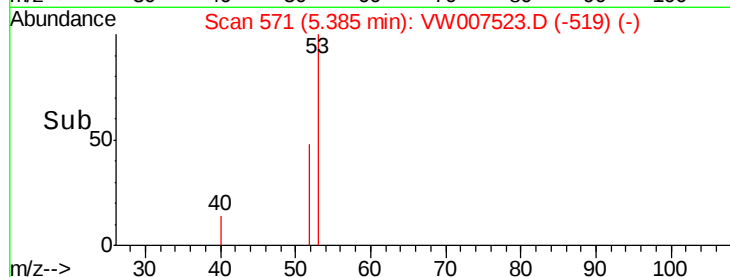
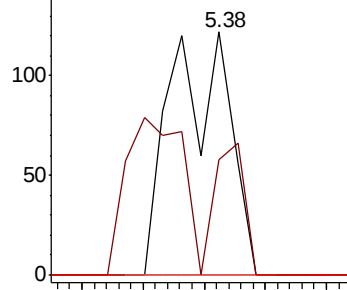
51 0.0 30.2 45.2#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 9.554 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007523.D

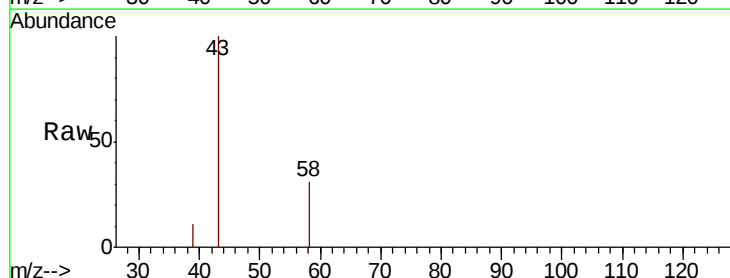
Acq: 14 Dec 2018 09:45

Tgt Ion: 43 Resp: 1281

Ion Ratio Lower Upper

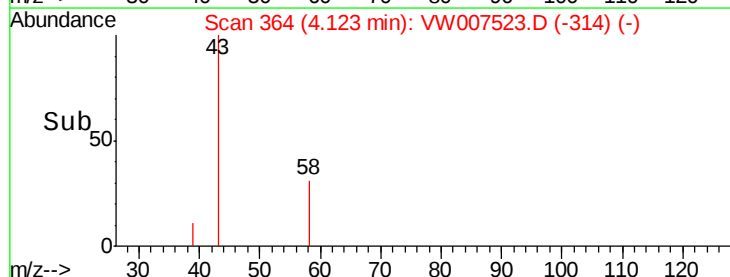
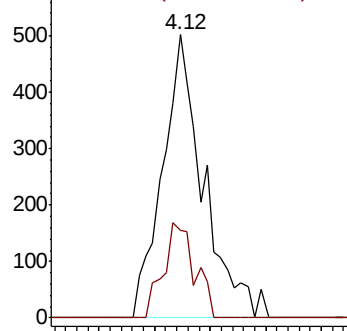
43 100

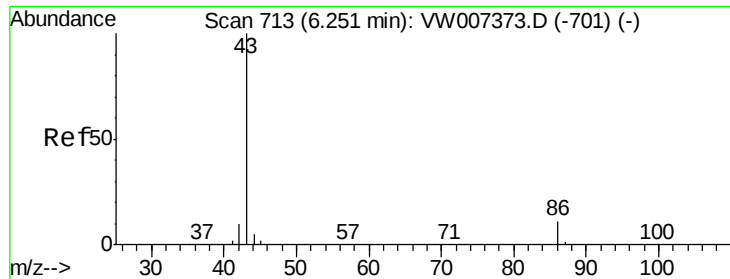
58 30.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#23

Vinyl Acetate

Concen: 1.137 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007523.D

Acq: 14 Dec 2018 09:45

Instrument :

MSVOA_W

ClientSampleId :

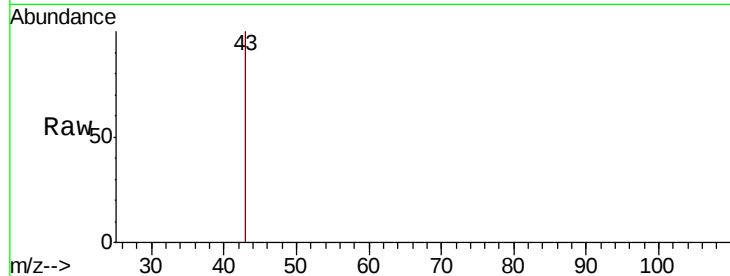
VW1217SBL01

Tot Ion: 43 Resp: 1223

Ion Ratio Lower Upper

43 100

86 0.0 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

400

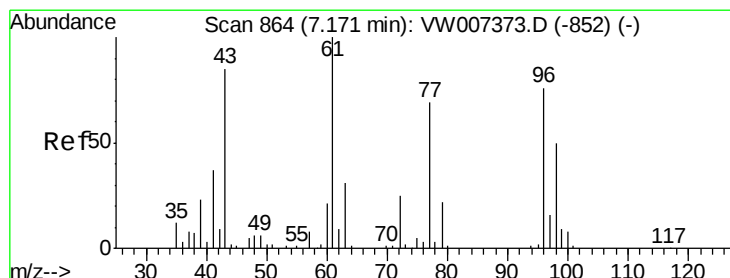
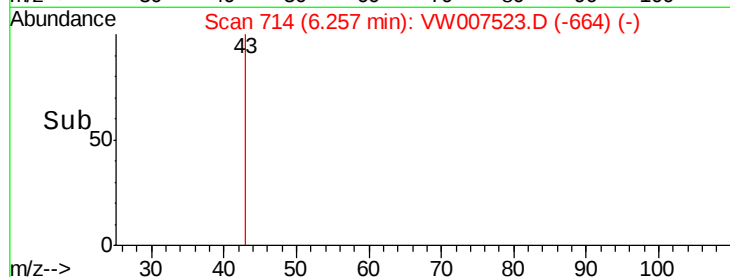
300

200

100

0

Time--> 6.15 6.20 6.25 6.30 6.35



#25

2-Butanone

Concen: 3.622 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007523.D

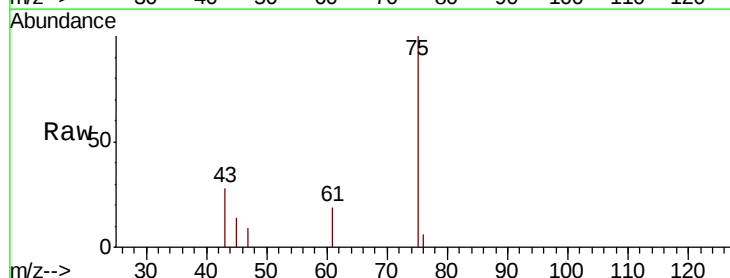
Acq: 14 Dec 2018 09:45

Tgt Ion: 43 Resp: 634

Ion Ratio Lower Upper

43 100

72 0.0 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

250

200

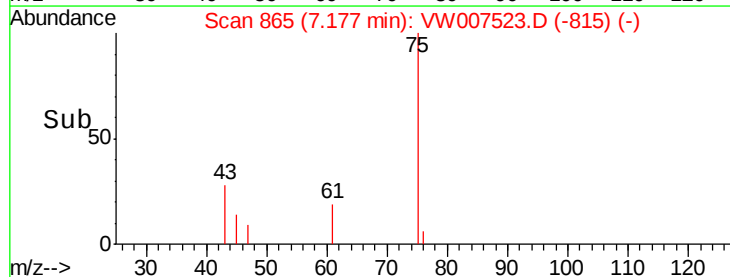
150

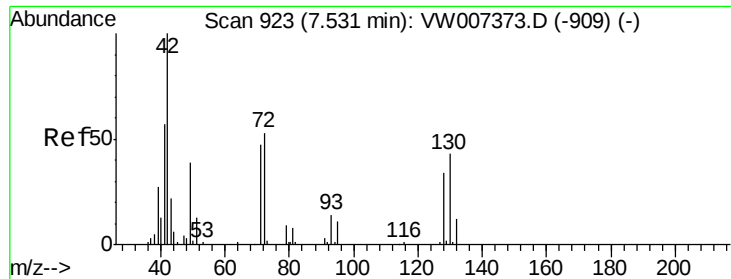
100

50

0

Time--> 7.10 7.15 7.20

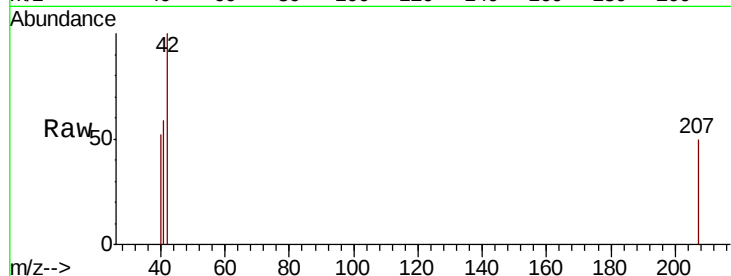




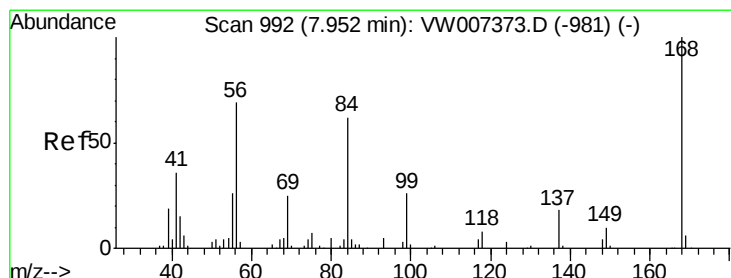
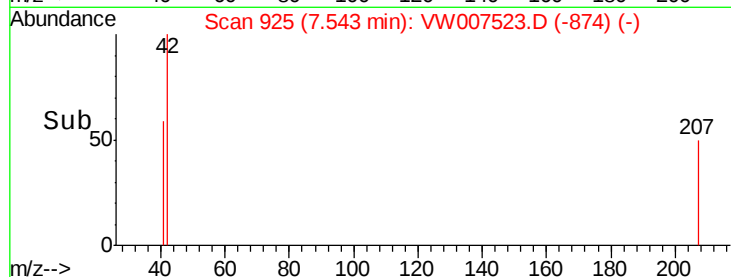
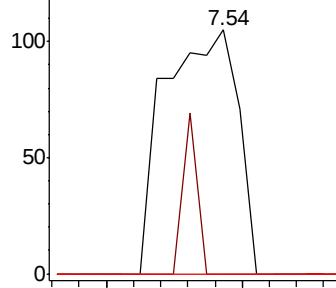
#29
Tetrahydrofuran
Concen: 1.760 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW007523.D
Acq: 14 Dec 2018 09:45

Instrument :
MSVOA_W
ClientSampled :
VW1217SBL01

Tot Ion: 42 Resp: 195
Ion Ratio Lower Upper
42 100
72 12.8 38.2 57.4#
71 0.0 35.5 53.3#

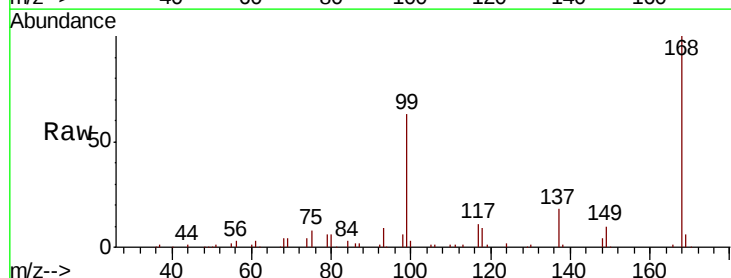


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

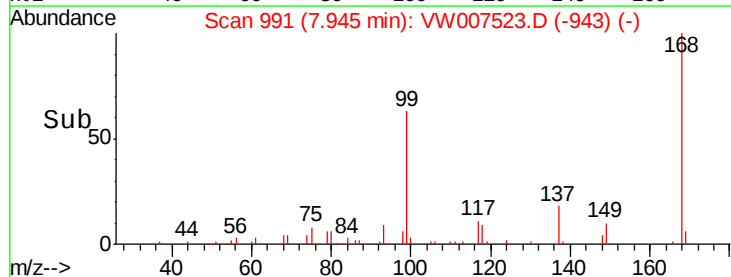
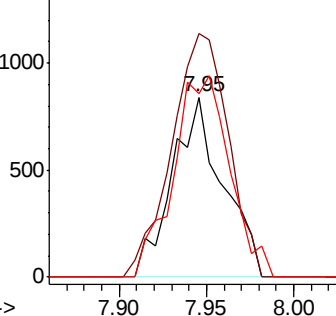


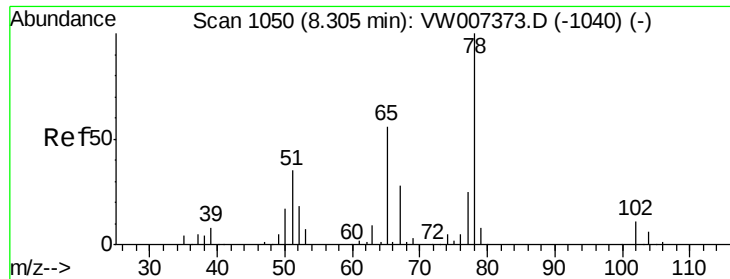
#31
Cyclohexane
Concen: 1.426 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007523.D
Acq: 14 Dec 2018 09:45

Tgt Ion: 56 Resp: 1701
Ion Ratio Lower Upper
56 100
69 135.2 28.9 43.3#
84 101.7 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

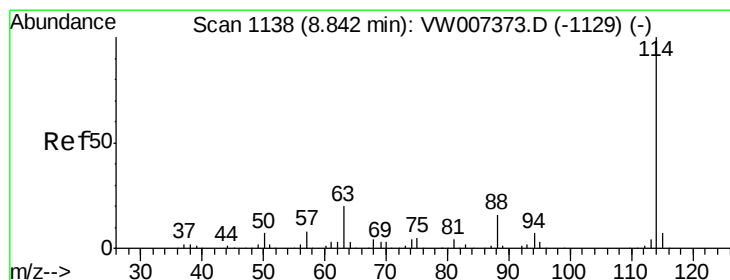
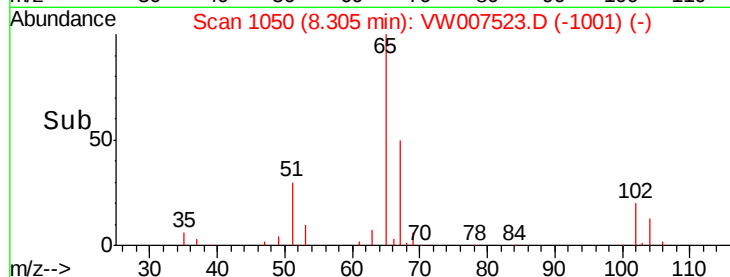
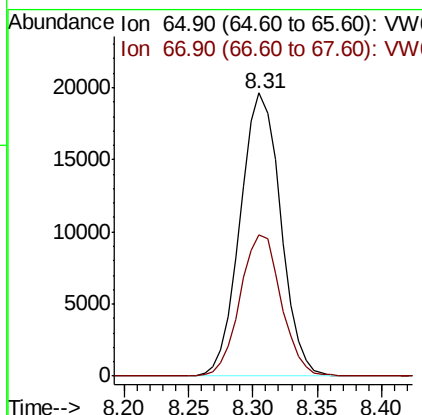
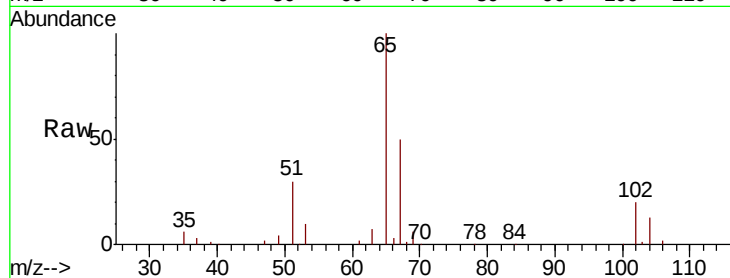




#33
 1,2-Dichloroethane-d4
 Concen: 55.711 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007523.D
 Acq: 14 Dec 2018 09:45

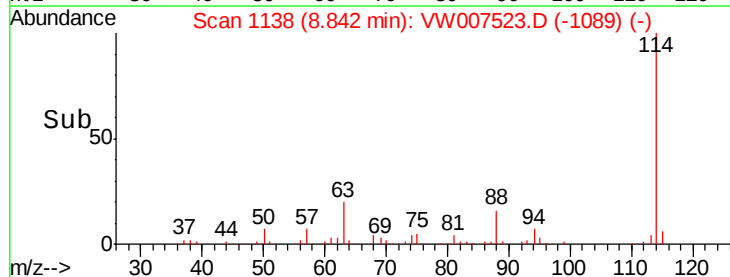
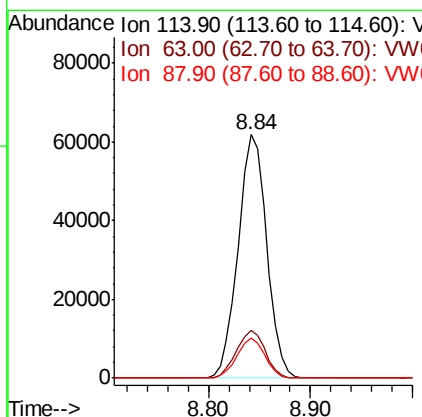
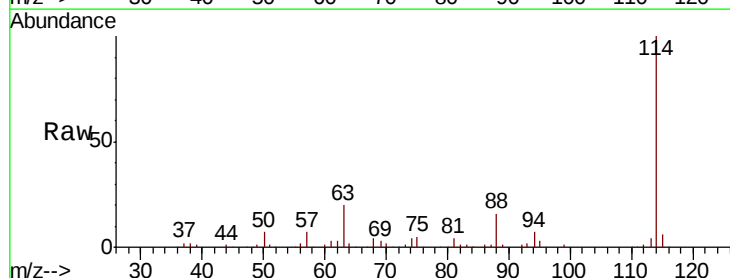
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBL01

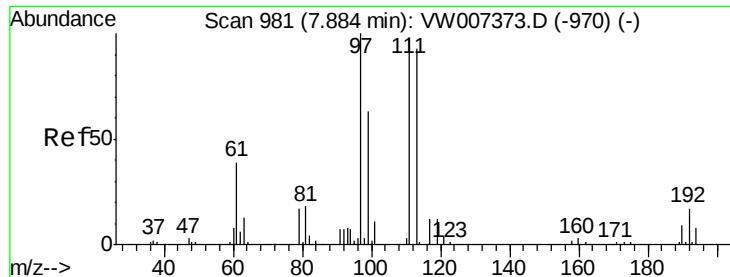
Tot Ion: 65 Resp: 42763
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007523.D
 Acq: 14 Dec 2018 09:45

Tgt Ion: 114 Resp: 120127
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.6
 88 16.2 0.0 31.4

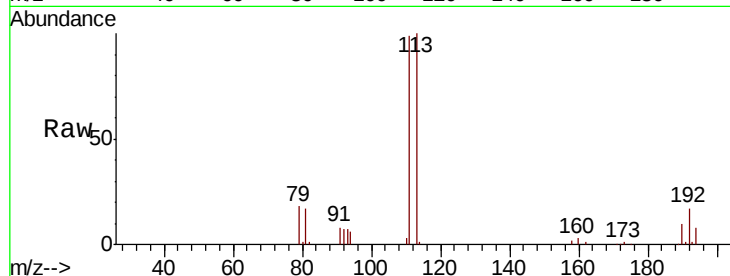




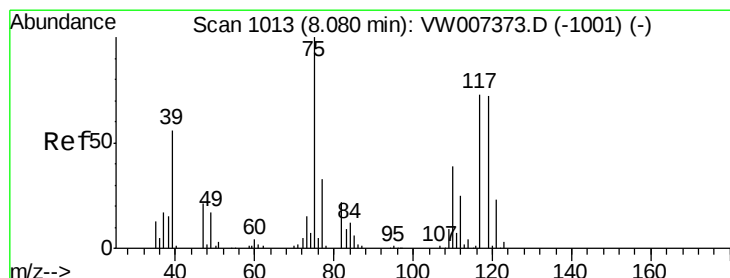
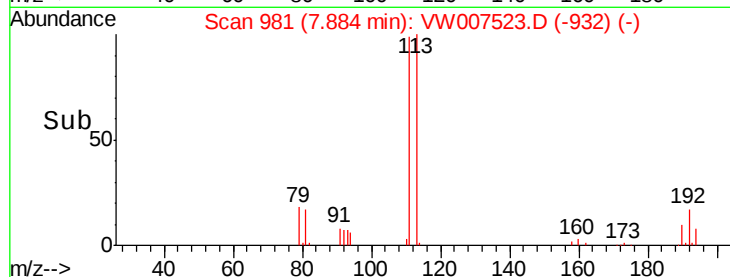
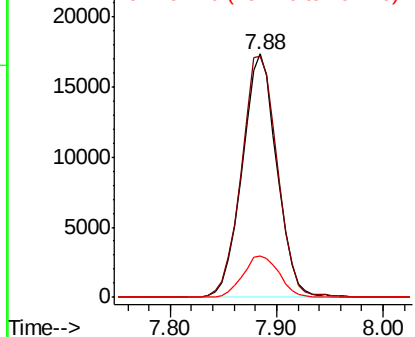
#35
 Dibromofluoromethane
 Concen: 54.432 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007523.D
 Acq: 14 Dec 2018 09:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBL01

Tot Ion:113 Resp: 39582
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.1 121.7
 192 17.8 14.6 21.8

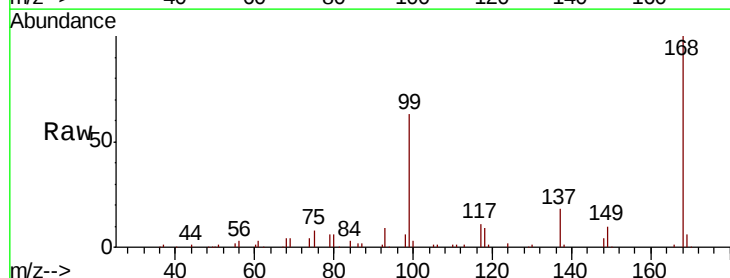


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

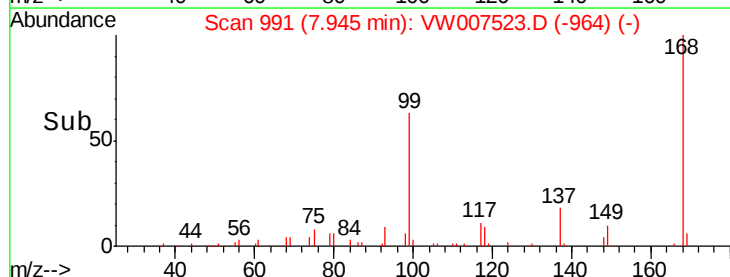
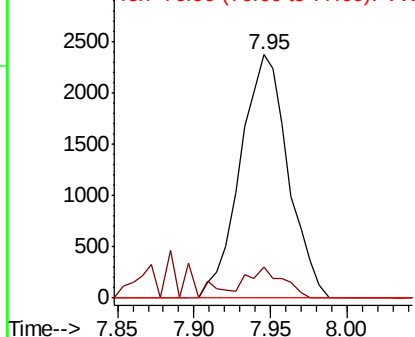


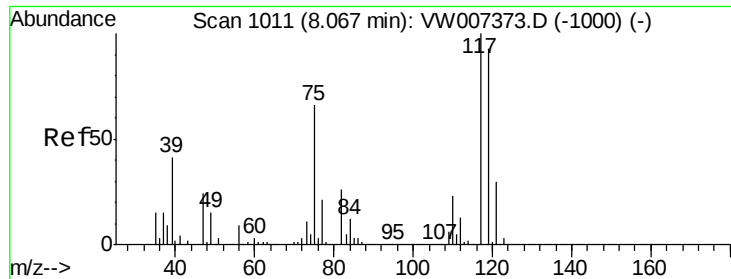
#36
 1,1-Dichloropropene
 Concen: 4.707 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007523.D
 Acq: 14 Dec 2018 09:45

Tgt Ion: 75 Resp: 5158
 Ion Ratio Lower Upper
 75 100
 110 9.3 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

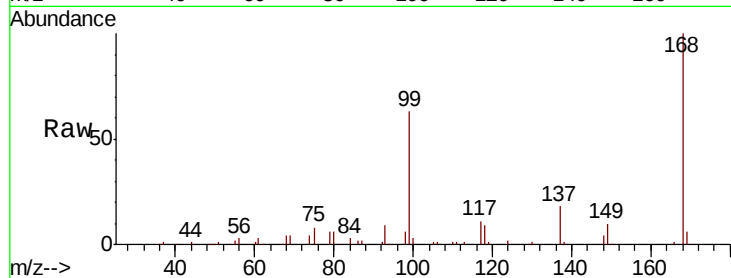




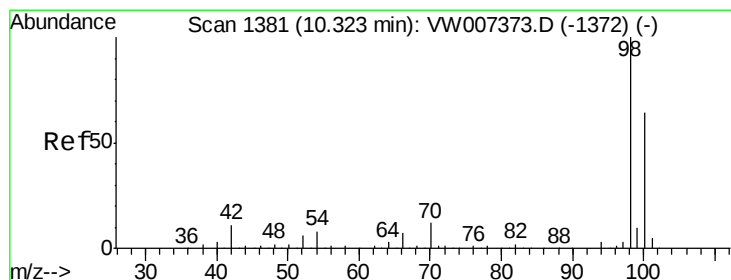
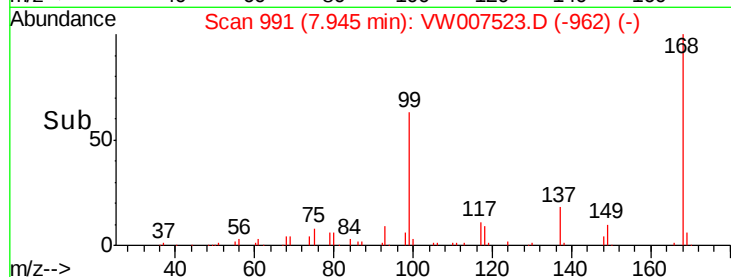
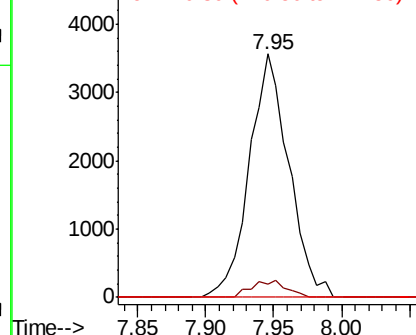
#38
Carbon Tetrachloride
Concen: 6.076 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007523.D
Acq: 14 Dec 2018 09:45

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBL01

Tot Ion:117 Resp: 7245
Ion Ratio Lower Upper
117 100
119 5.5 74.3 111.5#
121 0.0 24.3 36.5#

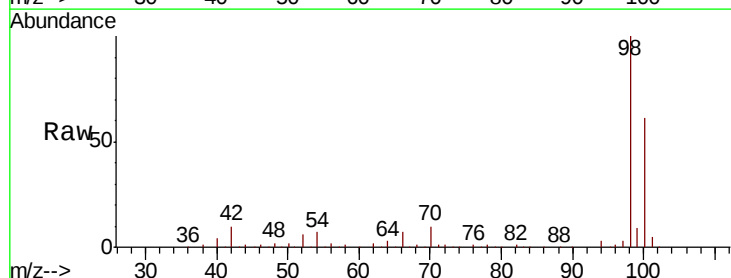


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

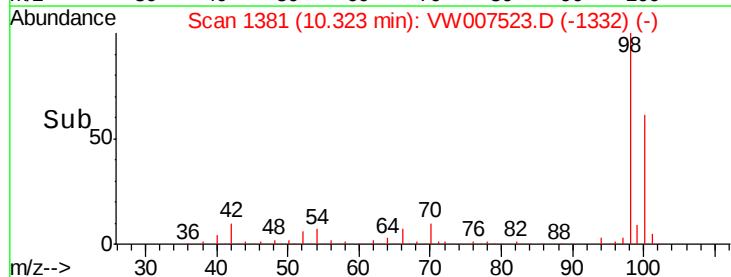
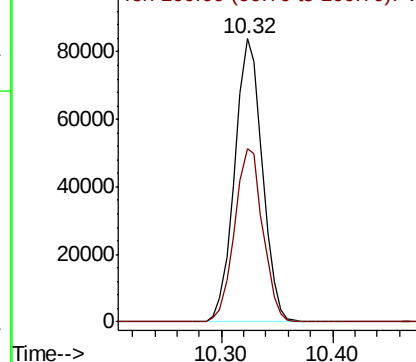


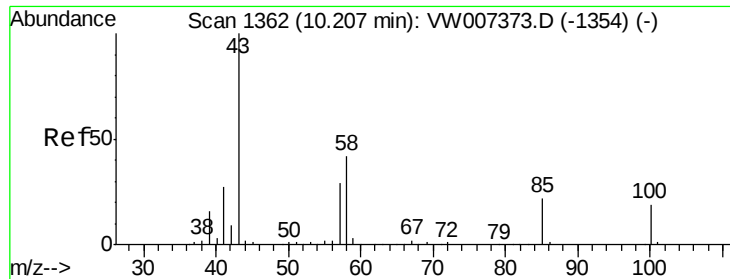
#50
Toluene-d8
Concen: 52.812 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007523.D
Acq: 14 Dec 2018 09:45

Tgt Ion: 98 Resp: 143992
Ion Ratio Lower Upper
98 100
100 62.6 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 3.346 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW007523.D

Acq: 14 Dec 2018 09:45

Instrument :

MSVOA_W

ClientSampleId :

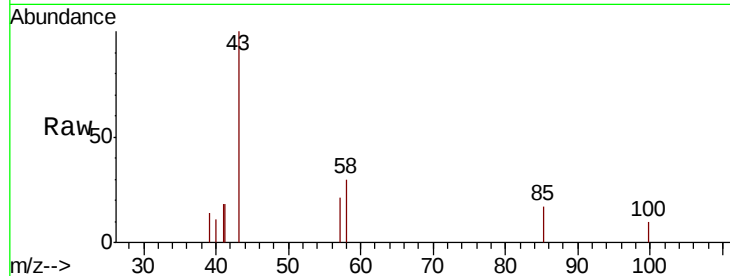
VW1217SBL01

Tot Ion: 43 Resp: 1273

Ion Ratio Lower Upper

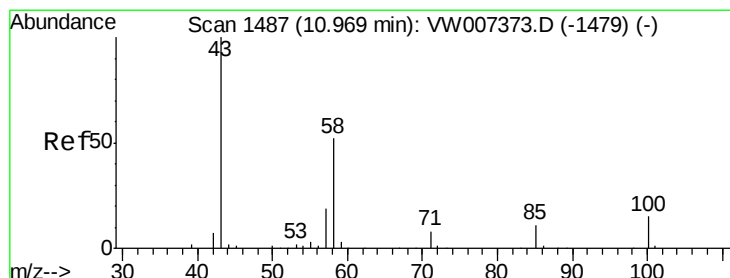
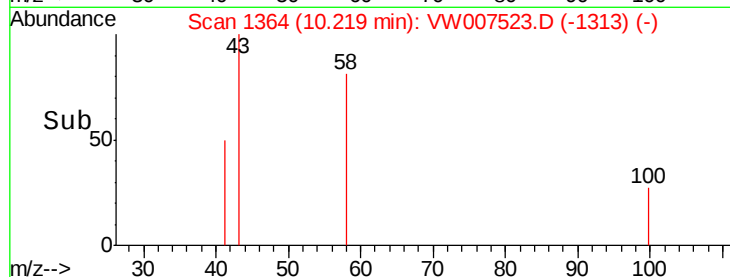
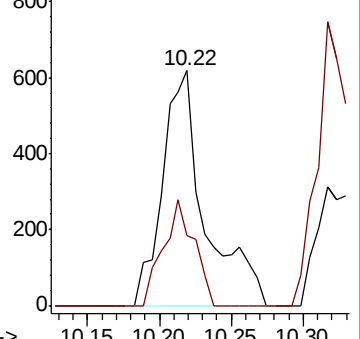
43 100

58 32.6 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#59

2-Hexanone

Concen: 2.129 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW007523.D

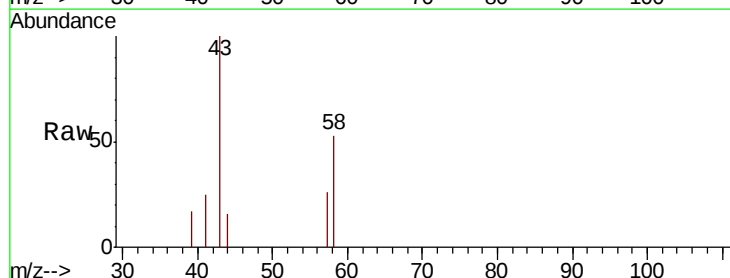
Acq: 14 Dec 2018 09:45

Tgt Ion: 43 Resp: 540

Ion Ratio Lower Upper

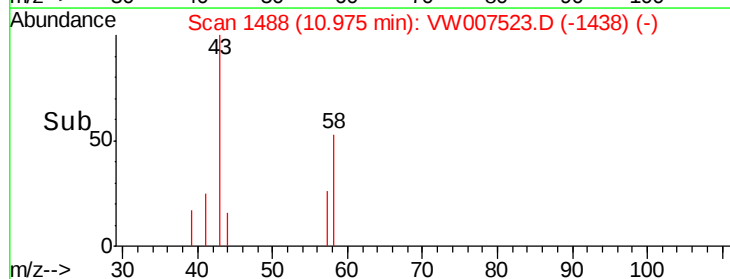
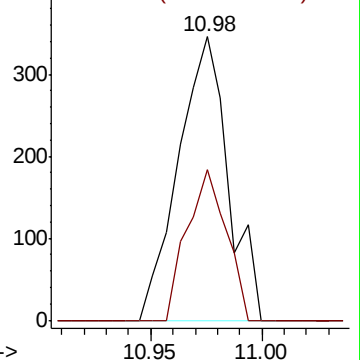
43 100

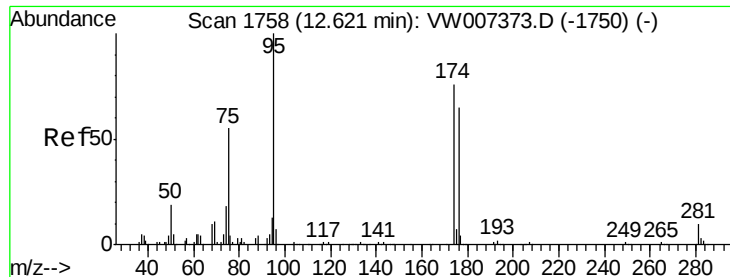
58 42.0 27.1 81.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

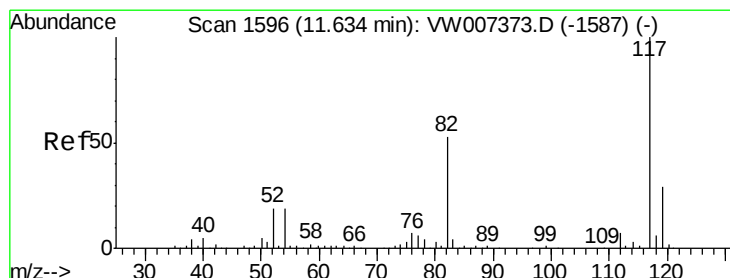
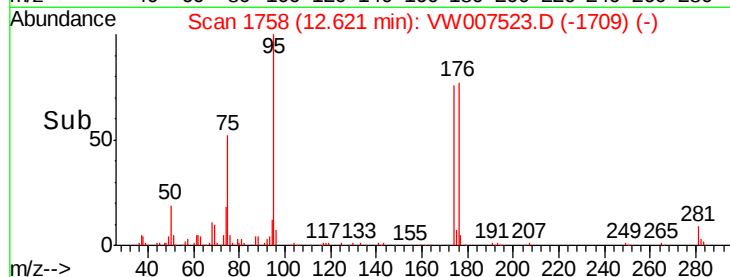
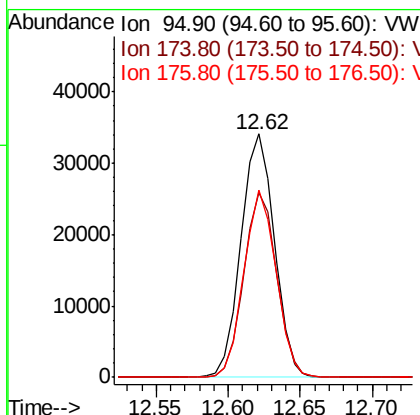
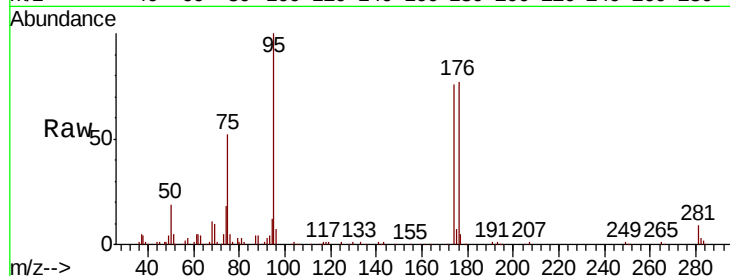




#62
4-Bromofluorobenzene
Concen: 54.592 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007523.D
Acq: 14 Dec 2018 09:45

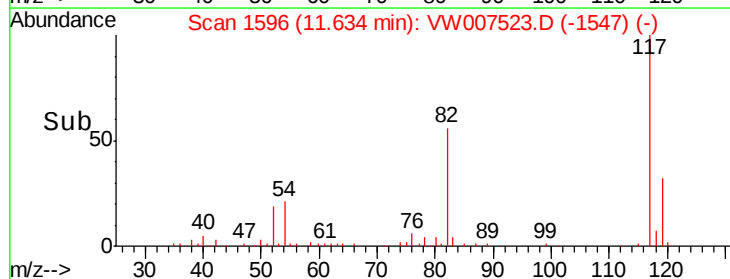
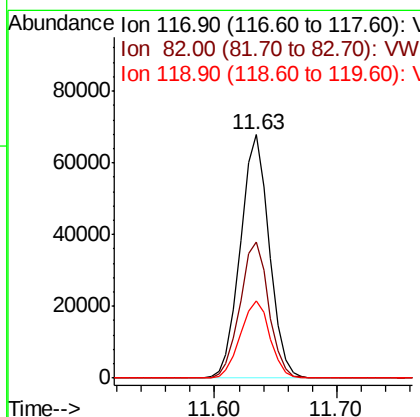
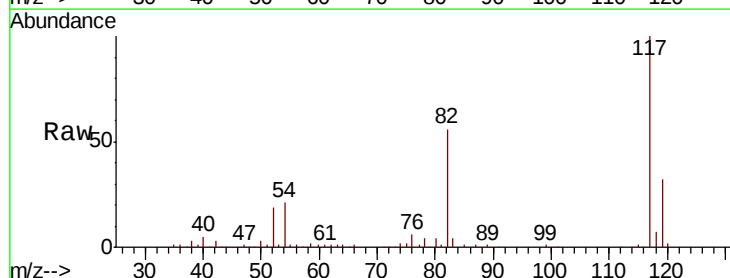
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBL01

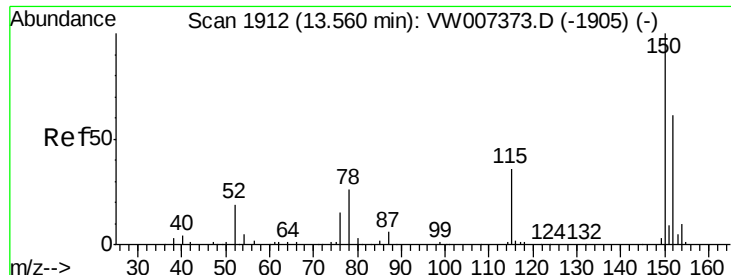
Tot Ion: 95 Resp: 54727
Ion Ratio Lower Upper
95 100
174 74.9 0.0 147.2
176 74.0 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007523.D
Acq: 14 Dec 2018 09:45

Tgt Ion: 117 Resp: 110832
Ion Ratio Lower Upper
117 100
82 55.8 42.3 63.5
119 31.6 23.0 34.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007523.D

Acq: 14 Dec 2018 09:45

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBL01

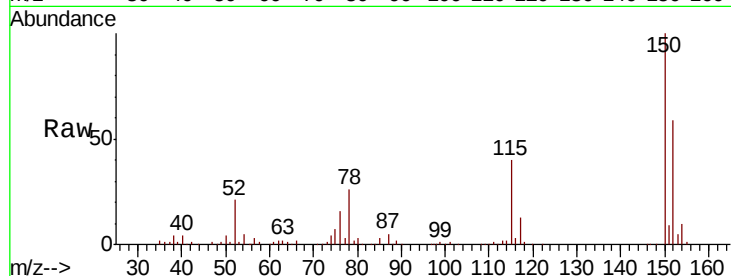
Tot Ion:152 Resp: 52821

Ion Ratio Lower Upper

152 100

115 63.9 31.4 94.2

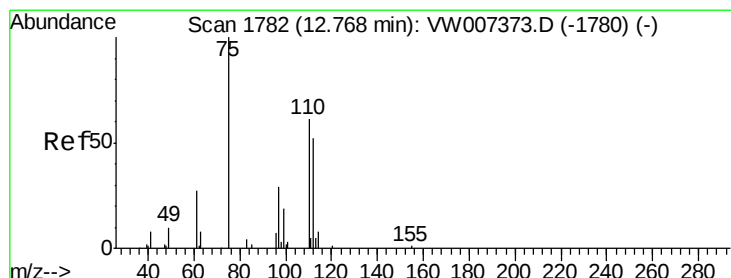
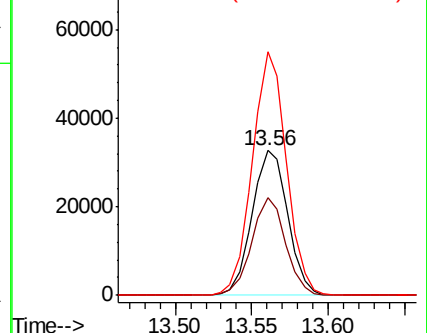
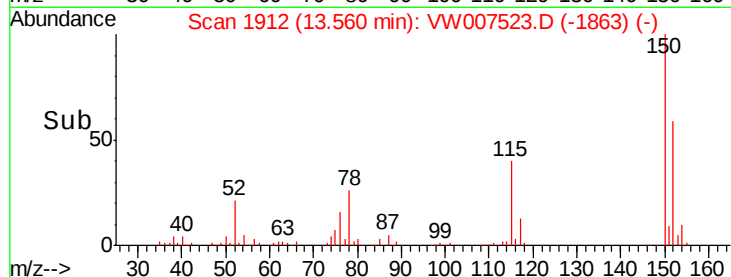
150 161.0 0.0 358.4



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: 66.001 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007523.D

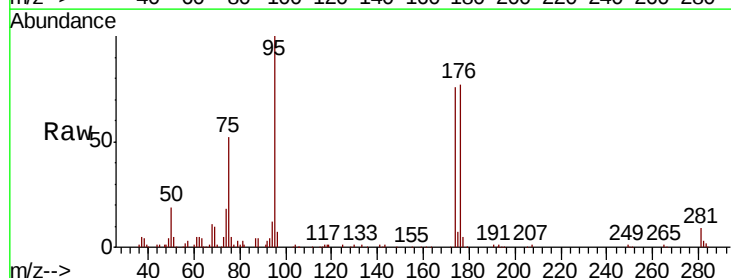
Acq: 14 Dec 2018 09:45

Tgt Ion: 75 Resp: 28745

Ion Ratio Lower Upper

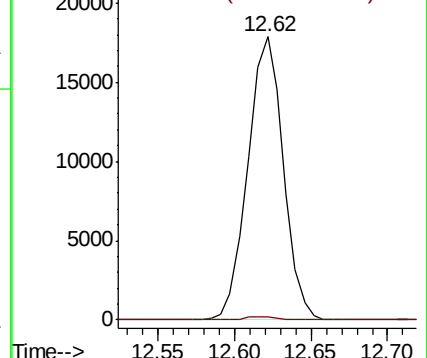
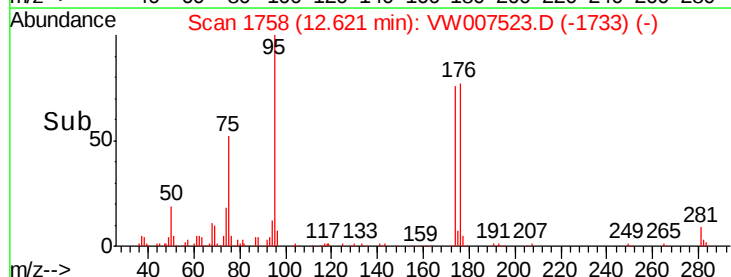
75 100

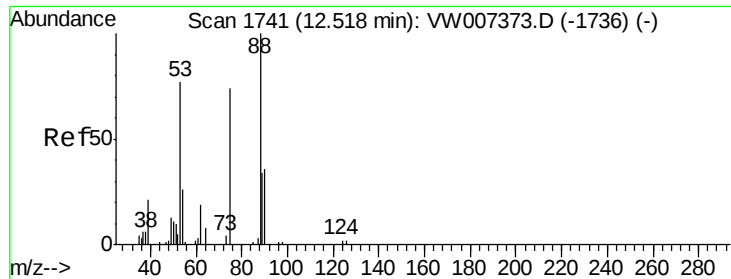
77 1.1 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 145.797 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007523.D

Acq: 14 Dec 2018 09:45

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBL01

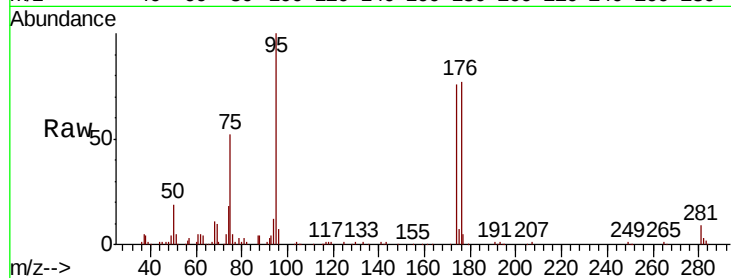
Tot Ion: 75 Resp: 28745

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

