

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007559.D
 Acq On : 15 Dec 2018 03:39
 Operator : SY/AP
 Sample : J6391-18
 Misc : 4.45G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-SS018-1218-01

Quant Time: Dec 15 04:09:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 15 03:35:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	43859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	73247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	51537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	16549	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	32497	66.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	133.58%	
35) Dibromofluoromethane	7.88	113	26148	58.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.94%	
50) Toluene-d8	10.32	98	71833	43.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.42%	
62) 4-Bromofluorobenzene	12.62	95	19436	31.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.60%	

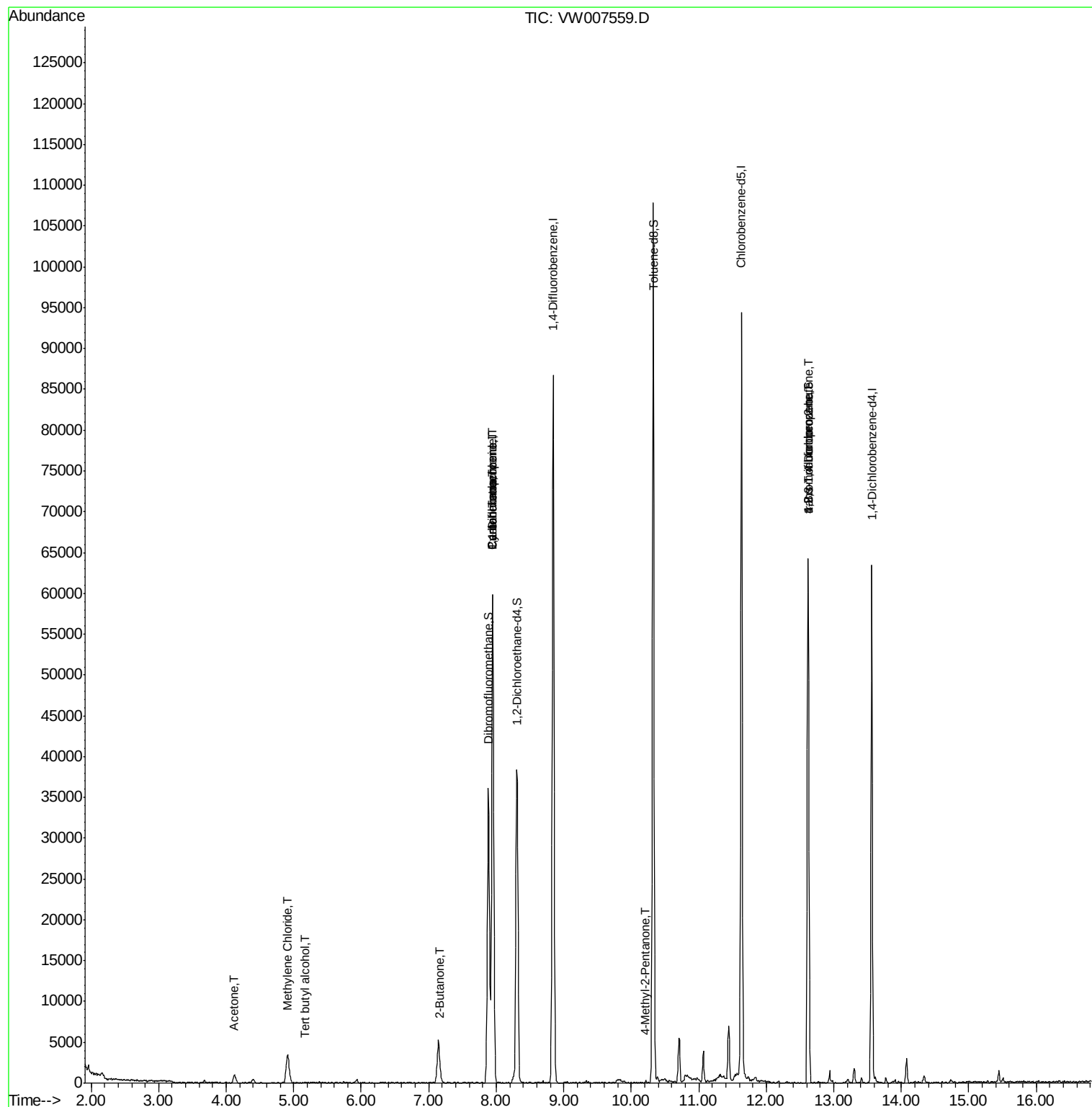
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	46	1.377	ug/l #	74
16) Acetone	4.12	43	1794	21.108	ug/l	95
20) Methylene Chloride	4.91	84	2996	2.743	ug/l #	89
25) 2-Butanone	7.17	43	217	1.956	ug/l #	45
31) Cyclohexane	7.95	56	896	1.185	ug/l #	38
36) 1,1-Dichloropropene	7.95	75	3391	5.075	ug/l #	48
38) Carbon Tetrachloride	7.95	117	4485	6.169	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	238	1.026	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	9826	72.011	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	9826	159.073	ug/l #	7

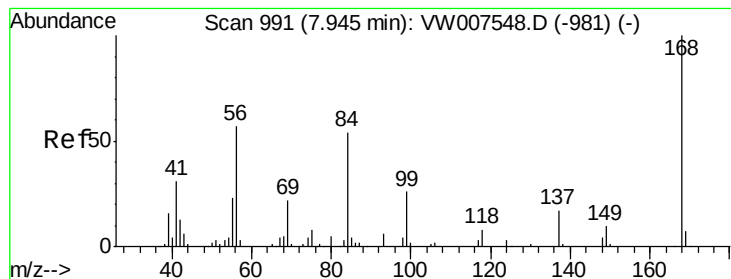
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
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Quant Title : SW846 8260
QLast Update : Sat Dec 15 03:35:28 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: VW007559.D

Acq: 15 Dec 2018 03:39

Instrument :

BNA_G

ClientSampleId :

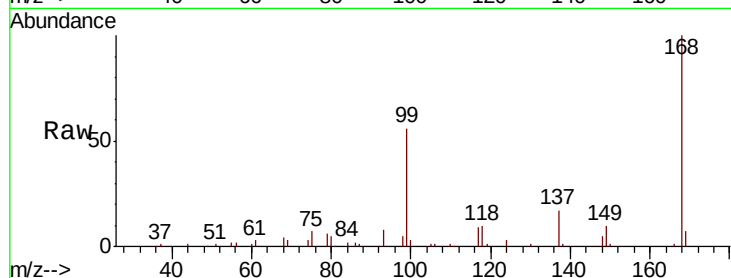
P001-SS018-1218-01

Tgt Ion: 168 Resp: 43859

Ion Ratio Lower Upper

168 100

99 56.0 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

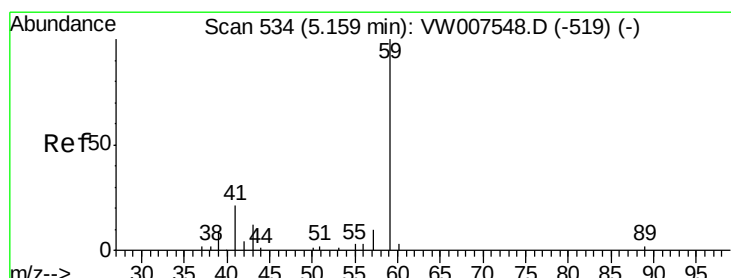
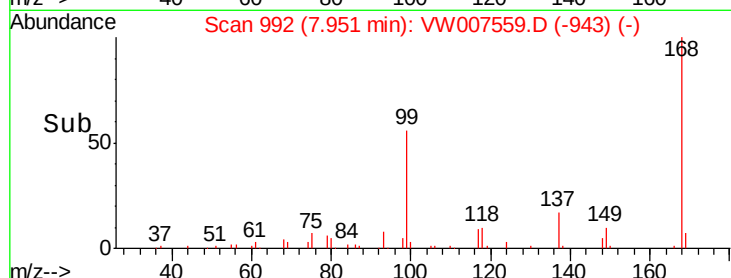
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 1.377 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007559.D

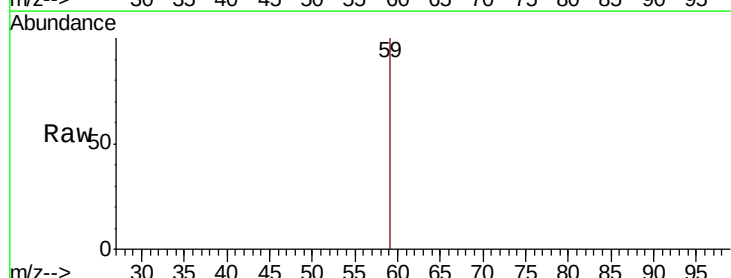
Acq: 15 Dec 2018 03:39

Tgt Ion: 59 Resp: 46

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

80

60

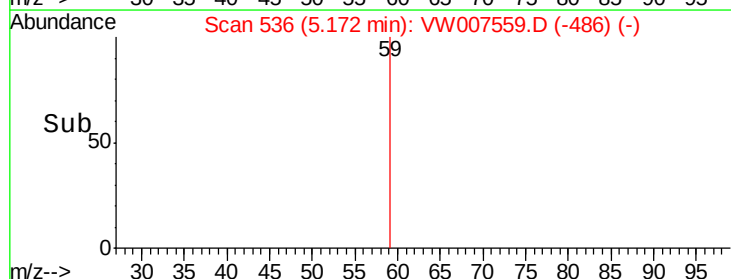
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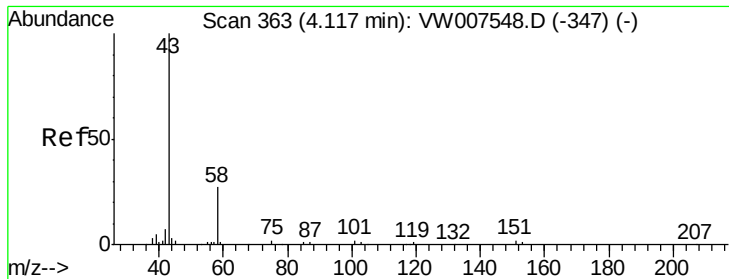
20

0

5.16 5.18 5.20

Time-->





#16

Acetone

Concen: 21.108 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007559.D

Acq: 15 Dec 2018 03:39

Instrument :

BNA_G

ClientSampleId :

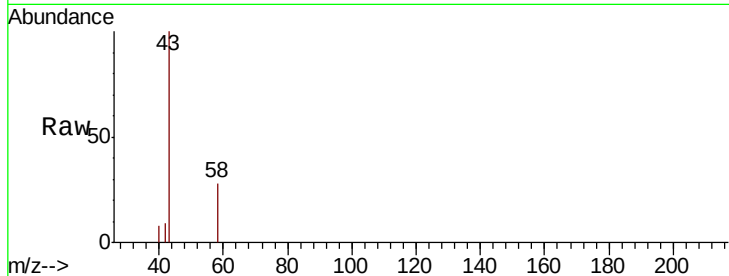
P001-SS018-1218-01

Tgt Ion: 43 Resp: 1794

Ion Ratio Lower Upper

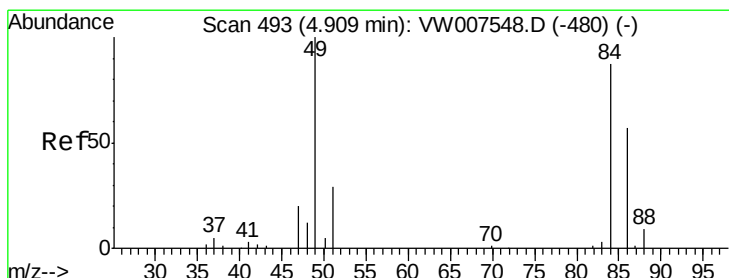
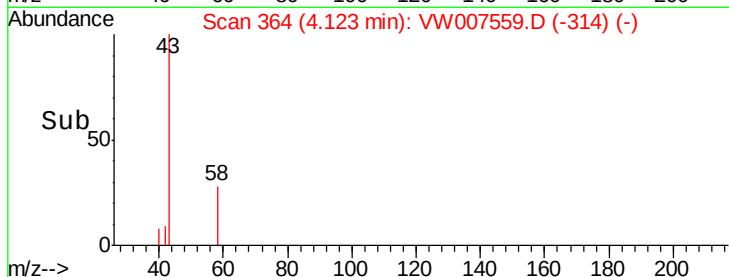
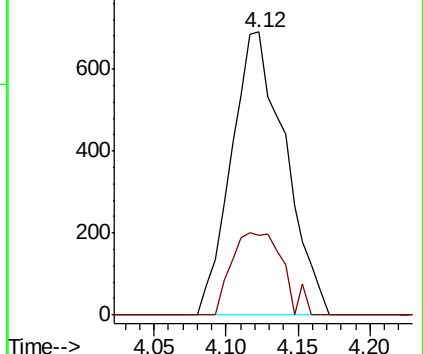
43 100

58 28.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.743 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007559.D

Acq: 15 Dec 2018 03:39

Tgt Ion: 84 Resp: 2996

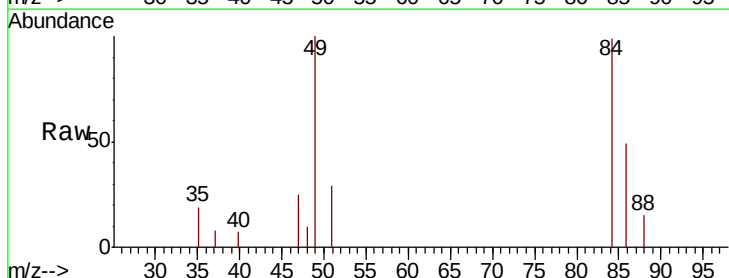
Ion Ratio Lower Upper

84 100

49 101.4 87.1 130.7

51 29.1 28.2 42.2

86 49.4 50.8 76.2#

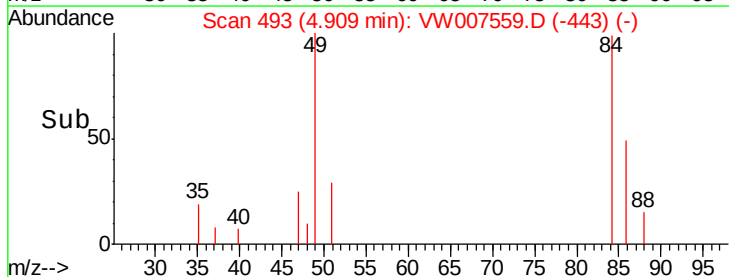
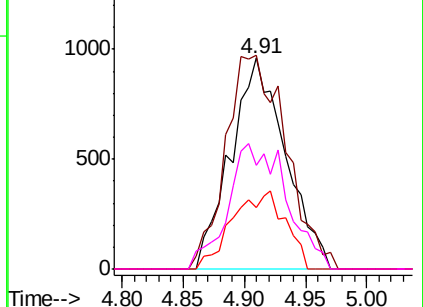


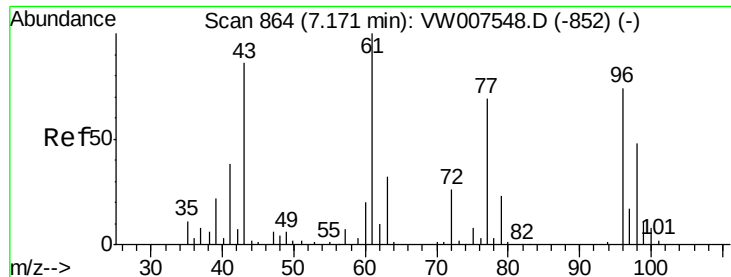
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 1.956 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007559.D

Acq: 15 Dec 2018 03:39

Instrument :

BNA_G

ClientSampleId :

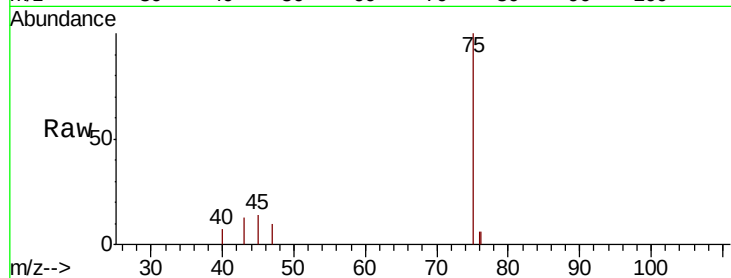
P001-SS018-1218-01

Tgt Ion: 43 Resp: 217

Ion Ratio Lower Upper

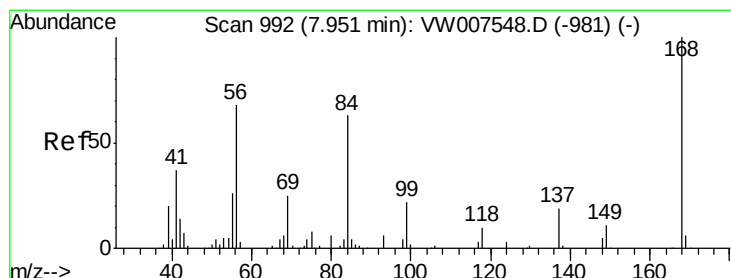
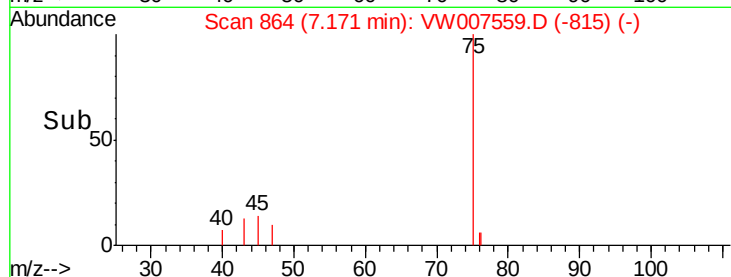
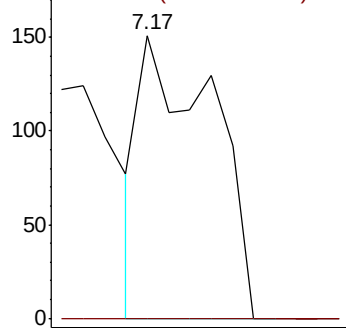
43 100

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



#31

Cyclohexane

Concen: 1.185 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007559.D

Acq: 15 Dec 2018 03:39

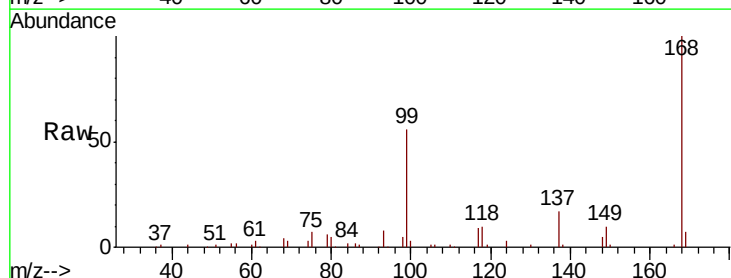
Tgt Ion: 56 Resp: 896

Ion Ratio Lower Upper

56 100

69 162.1 28.9 43.3#

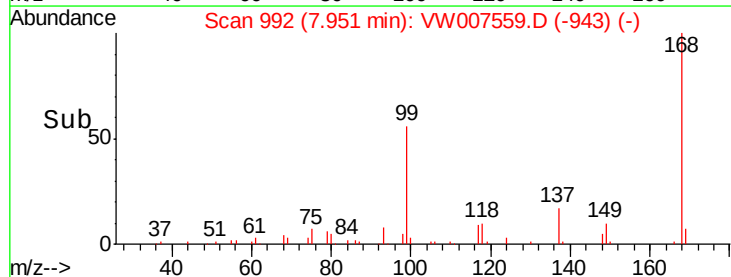
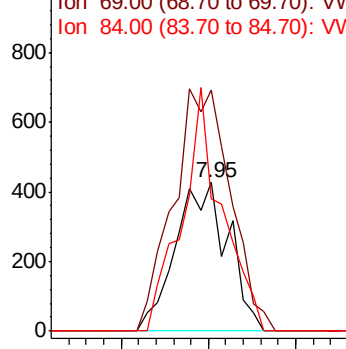
84 89.0 71.8 107.6

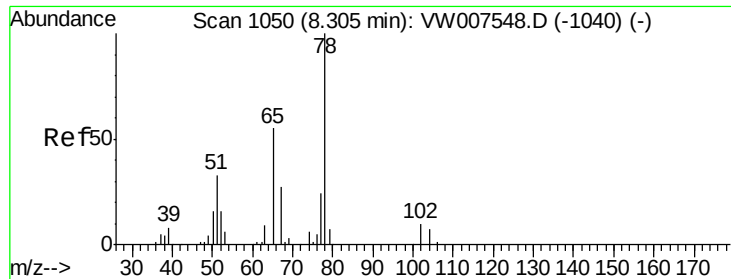


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

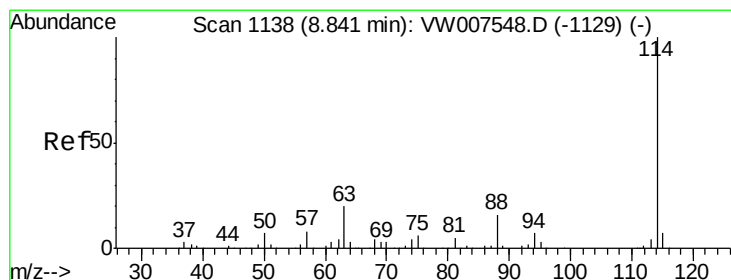
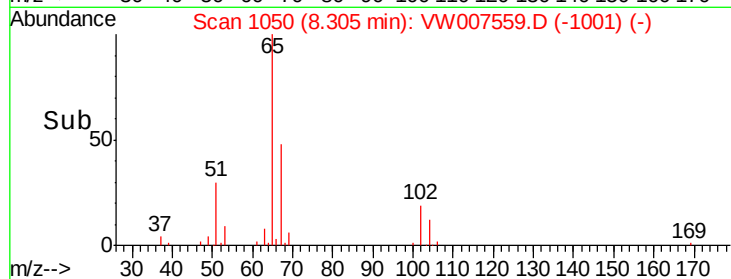
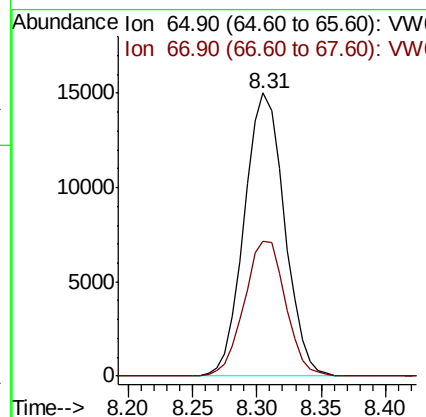
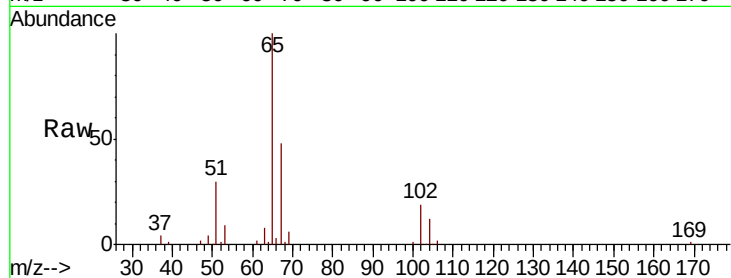




#33
 1,2-Dichloroethane-d4
 Concen: 66.786 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007559.D
 Acq: 15 Dec 2018 03:39

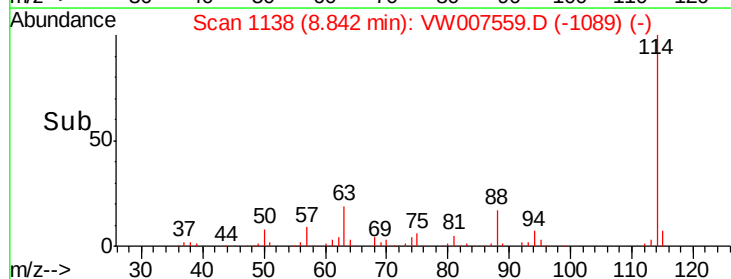
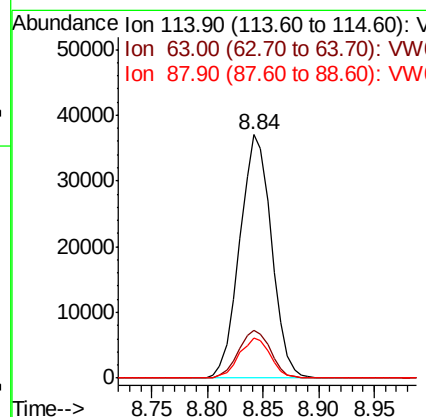
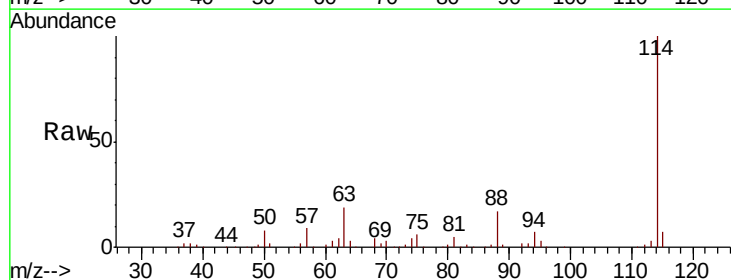
Instrument :
 BNA_G
 ClientSampleId :
 P001-SS018-1218-01

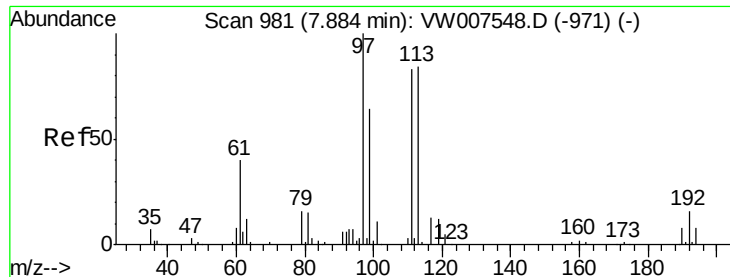
Tgt Ion: 65 Resp: 32497
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007559.D
 Acq: 15 Dec 2018 03:39

Tgt Ion: 114 Resp: 73247
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.6
 88 16.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 58.972 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007559.D

Acq: 15 Dec 2018 03:39

Instrument :

BNA_G

ClientSampleId :

P001-SS018-1218-01

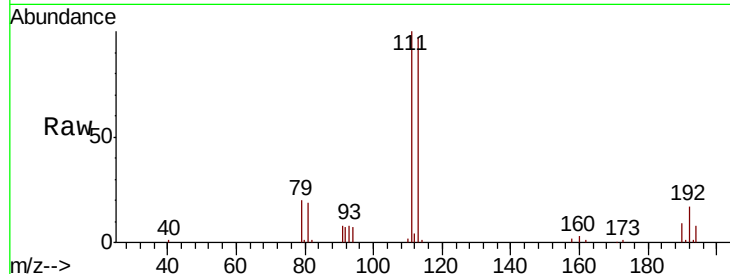
Tgt Ion:113 Resp: 26148

Ion Ratio Lower Upper

113 100

111 101.3 81.1 121.7

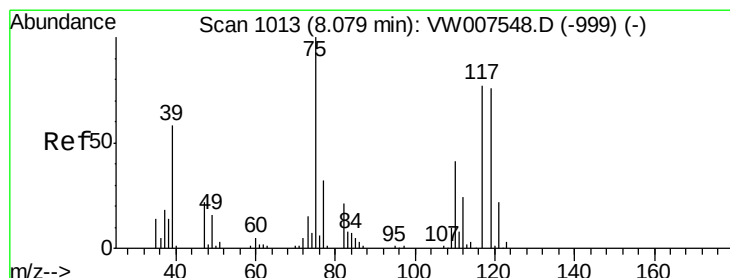
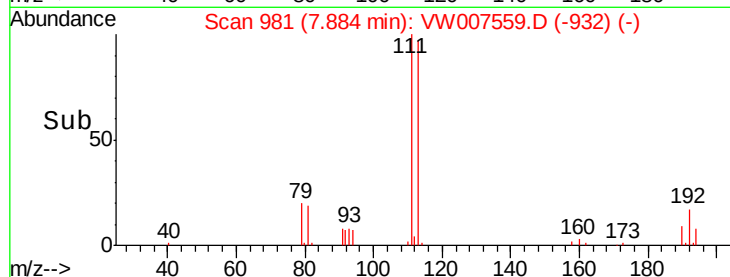
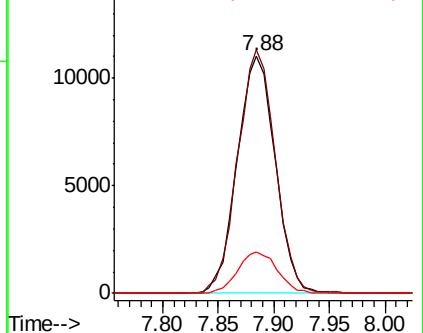
192 18.1 14.6 21.8



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: 5.075 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007559.D

Acq: 15 Dec 2018 03:39

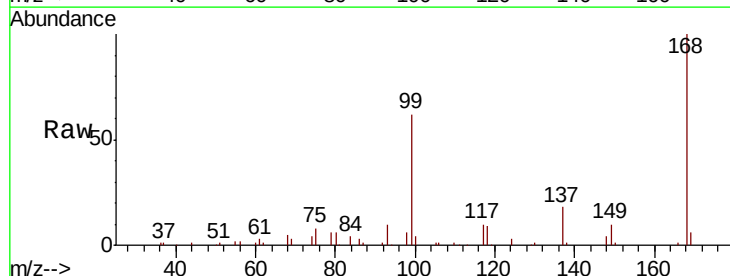
Tgt Ion: 75 Resp: 3391

Ion Ratio Lower Upper

75 100

110 8.6 18.5 55.5#

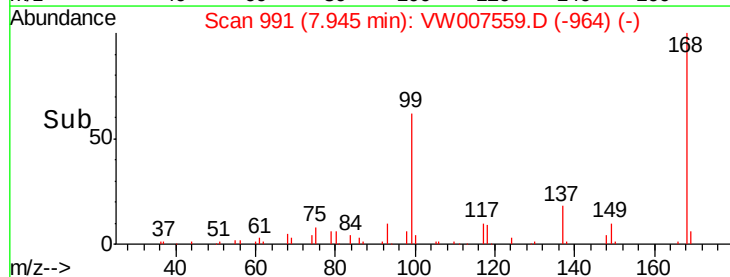
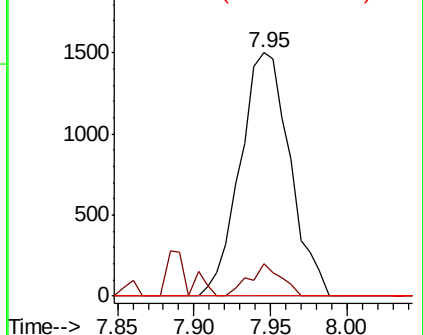
77 0.0 25.6 38.4#

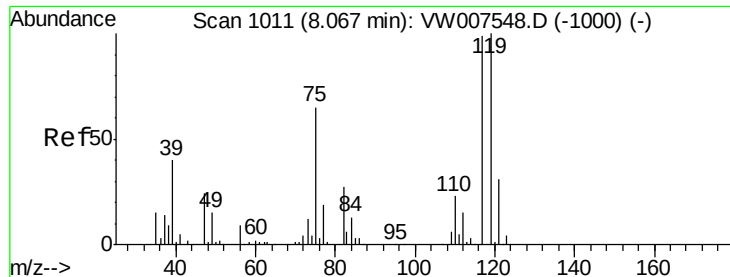


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.169 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007559.D

Acq: 15 Dec 2018 03:39

Instrument :

BNA_G

ClientSampleId :

P001-SS018-1218-01

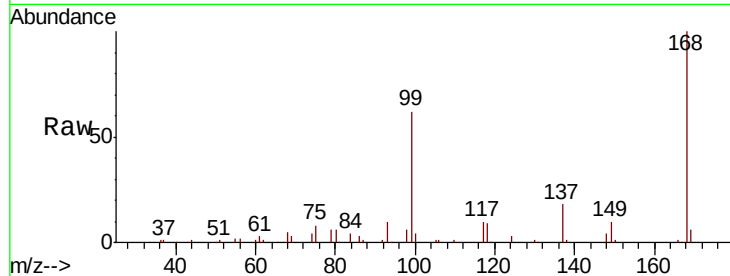
Tgt Ion: 117 Resp: 4485

Ion Ratio Lower Upper

117 100

119 3.2 74.3 111.5#

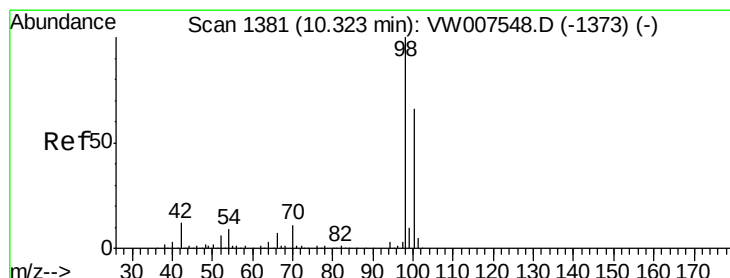
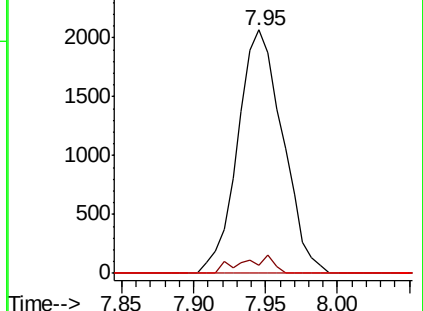
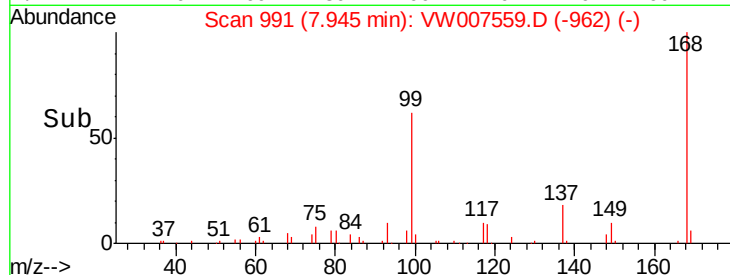
121 0.0 24.3 36.5#



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: 43.208 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007559.D

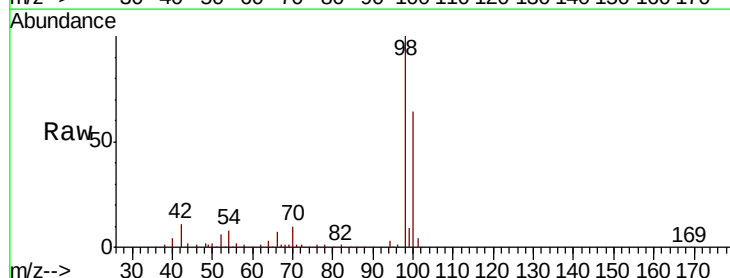
Acq: 15 Dec 2018 03:39

Tgt Ion: 98 Resp: 71833

Ion Ratio Lower Upper

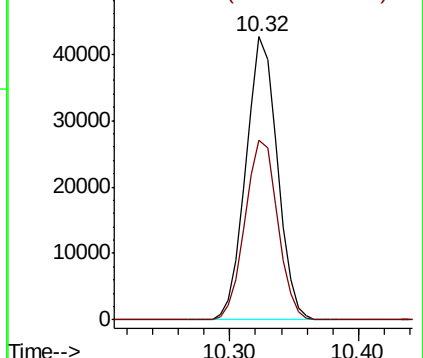
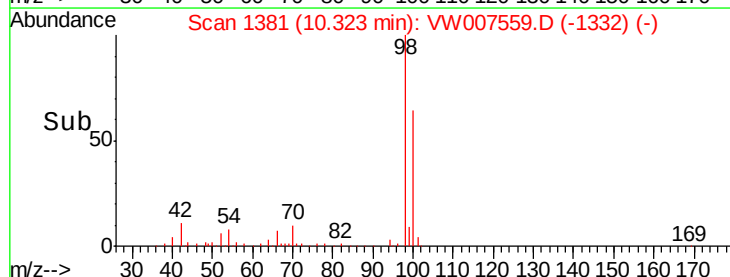
98 100

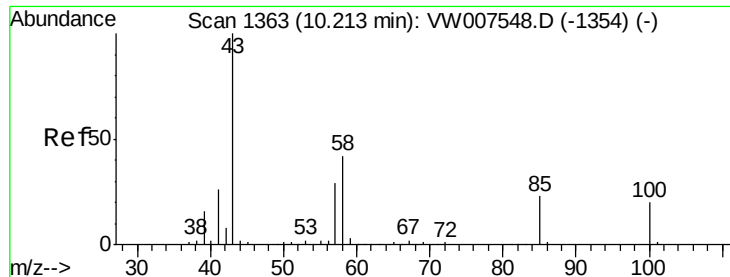
100 65.7 51.8 77.8



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: 1.026 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007559.D

Acq: 15 Dec 2018 03:39

Instrument :

BNA_G

ClientSampleId :

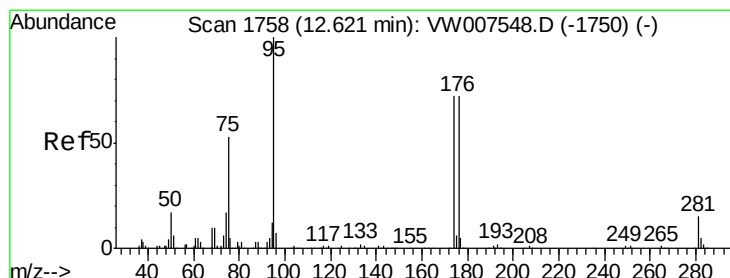
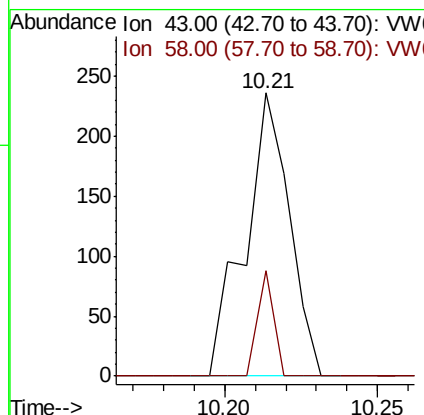
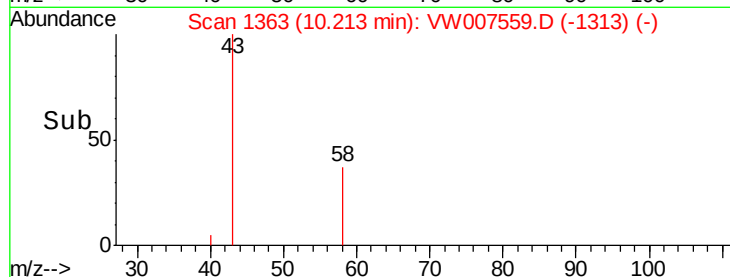
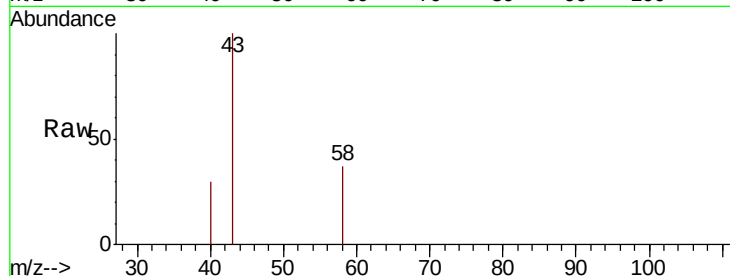
P001-SS018-1218-01

Tgt Ion: 43 Resp: 238

Ion Ratio Lower Upper

43 100

58 13.4 33.1 49.7#



#62

4-Bromofluorobenzene

Concen: 31.797 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007559.D

Acq: 15 Dec 2018 03:39

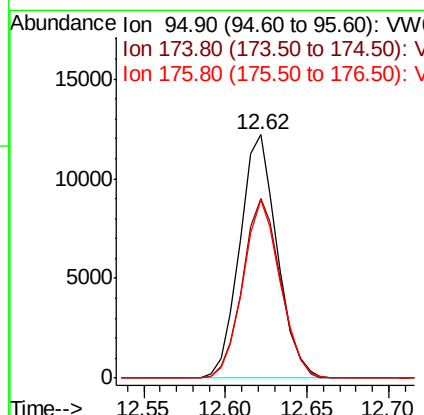
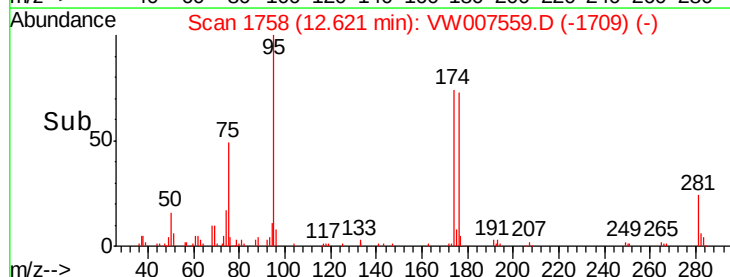
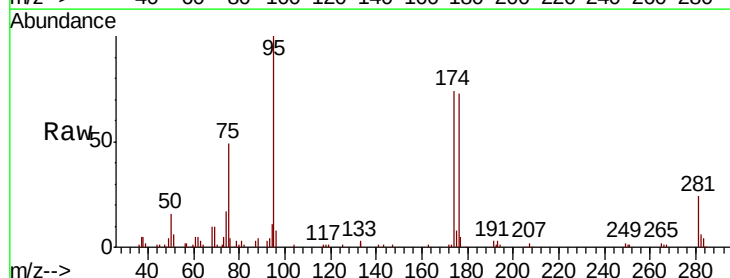
Tgt Ion: 95 Resp: 19436

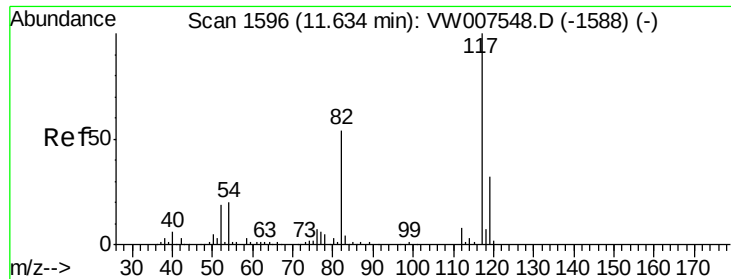
Ion Ratio Lower Upper

95 100

174 74.6 0.0 147.2

176 72.9 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: VW007559.D

Acq: 15 Dec 2018 03:39

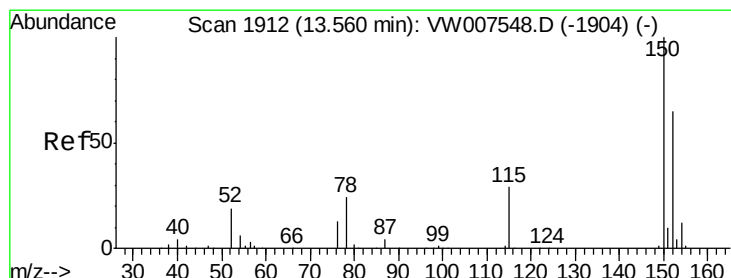
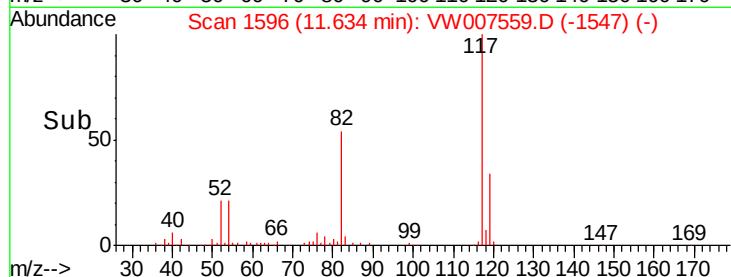
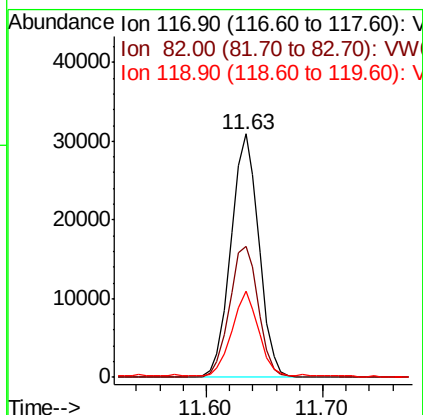
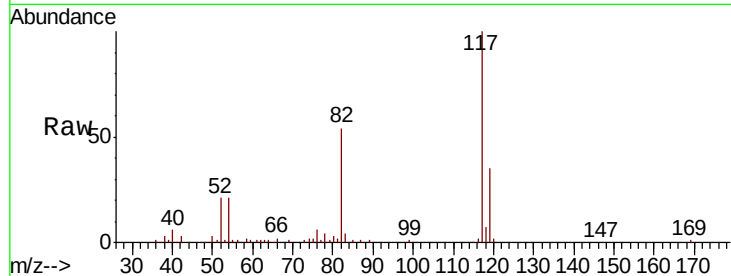
Instrument :

BNA_G

ClientSampleId :

P001-SS018-1218-01

Tgt Ion:	117	Resp:	51537
Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.3	63.5
119	34.5	23.0	34.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

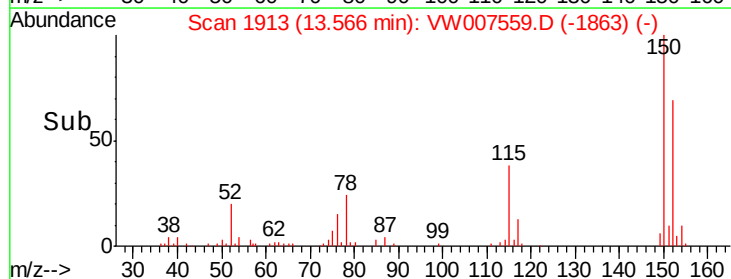
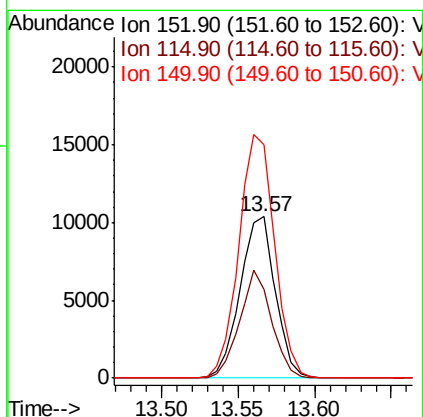
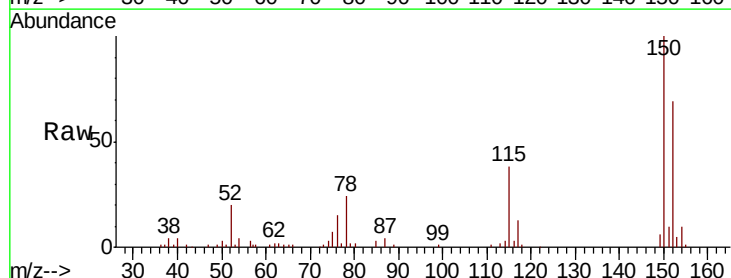
RT: 13.57 min Scan# 1913

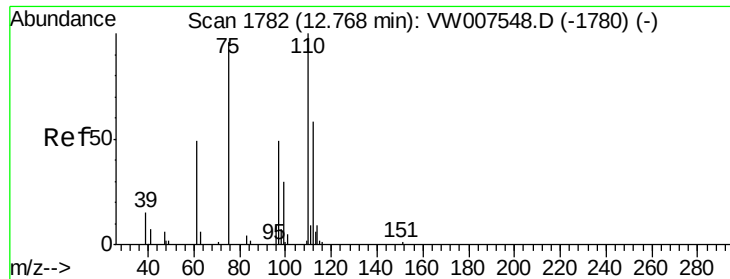
Delta R.T. 0.01 min

Lab File: VW007559.D

Acq: 15 Dec 2018 03:39

Tgt Ion:	152	Resp:	16549
Ion	Ratio	Lower	Upper
152	100		
115	60.4	31.4	94.2
150	153.2	0.0	358.4





#76

1,2,3-Trichloropropane

Concen: 72.011 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007559.D

Acq: 15 Dec 2018 03:39

Instrument :

BNA_G

ClientSampleId :

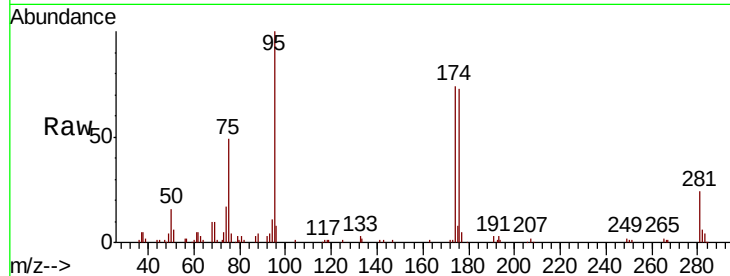
P001-SS018-1218-01

Tgt Ion: 75 Resp: 9826

Ion Ratio Lower Upper

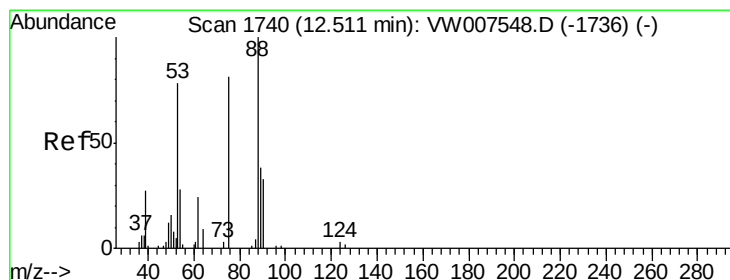
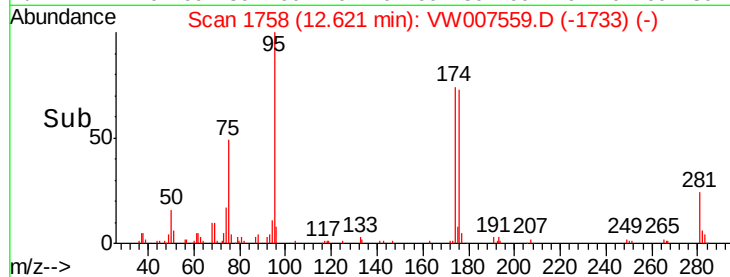
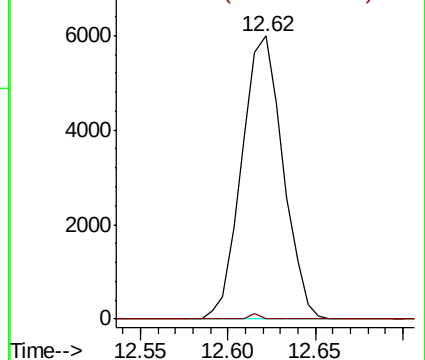
75 100

77 0.4 166.9 500.8#



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: 159.073 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007559.D

Acq: 15 Dec 2018 03:39

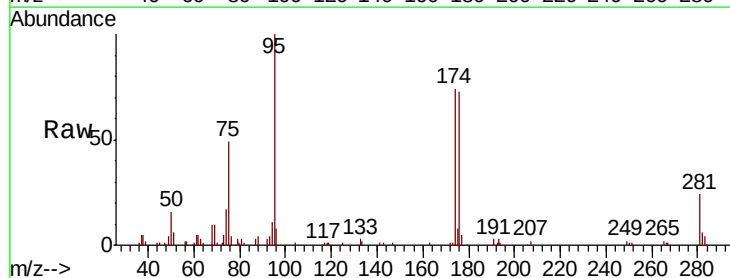
Tgt Ion: 75 Resp: 9826

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

