

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062418\
 Data File : VW003529.D
 Acq On : 25 Jun 2018 01:25
 Operator : SY/AP
 Sample : VW0624SBL02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBL02

Quant Time: Jun 25 01:56:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	194130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	328581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	305846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	150174	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	133769	63.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.24%	
35) Dibromofluoromethane	7.88	113	110298	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
50) Toluene-d8	10.33	98	419018	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.63	95	143108	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

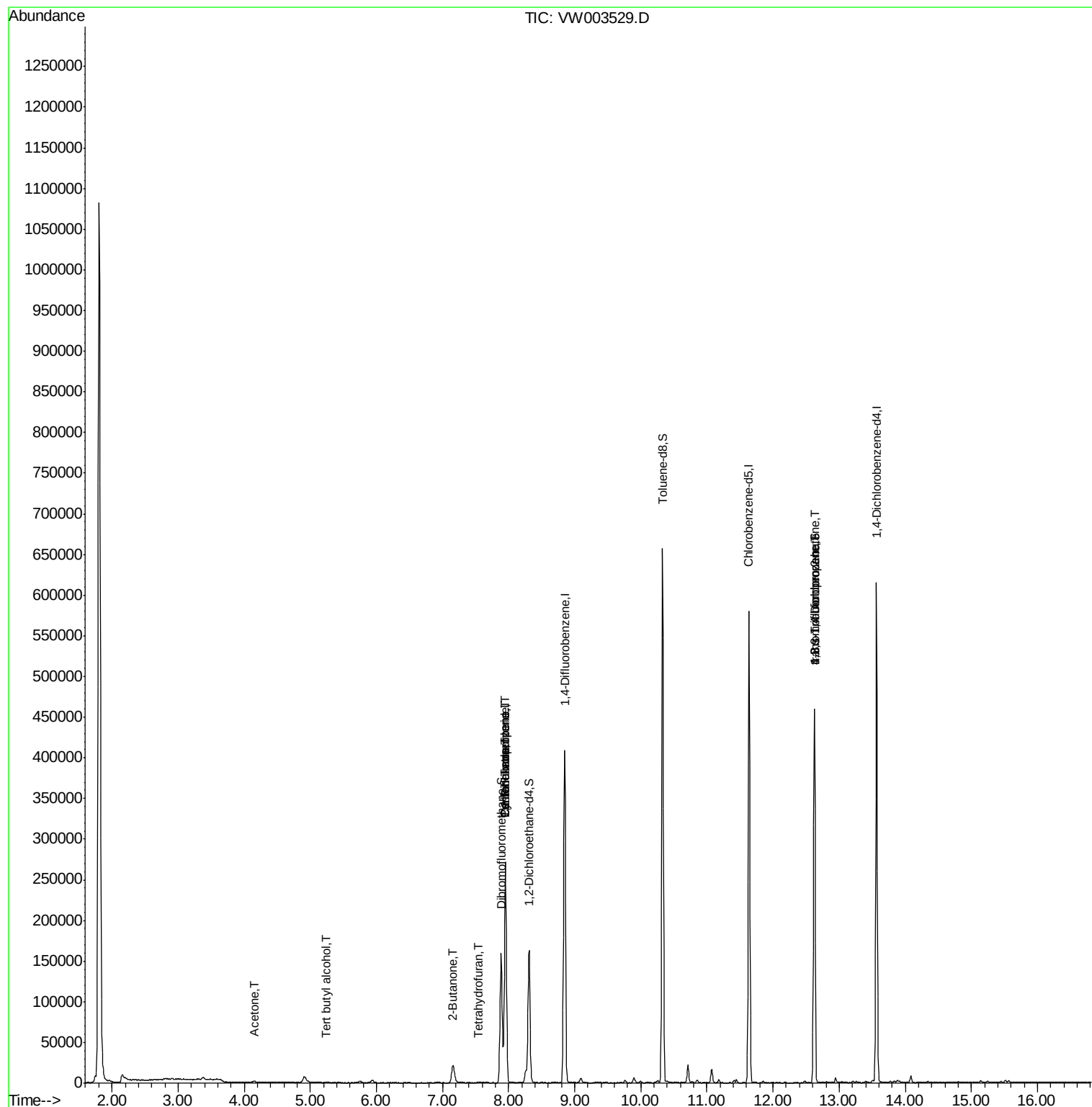
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	308	2.731	ug/l #	76
16) Acetone	4.15	43	3704	8.399	ug/l	97
20) Methylene Chloride	4.91	84	4868	Below Cal		89
25) 2-Butanone	7.15	43	1618	2.951	ug/l #	71
29) Tetrahydrofuran	7.54	42	734	2.190	ug/l #	55
31) Cyclohexane	7.95	56	4618	1.359	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16405	5.170	ug/l #	49
38) Carbon Tetrachloride	7.95	117	20096	6.456	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	77874	60.658	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77874	139.578	ug/l #	8

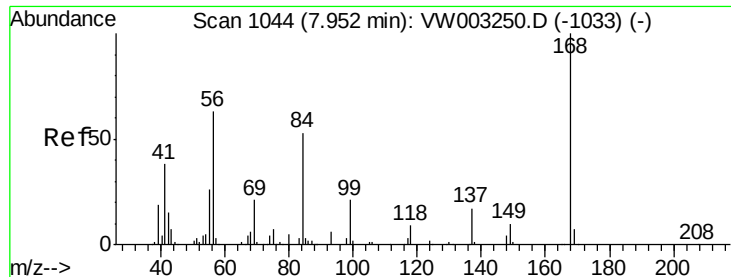
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062418\
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003529.D

Acq: 25 Jun 2018 01:25

Instrument :

MSVOA_W

ClientSampleId :

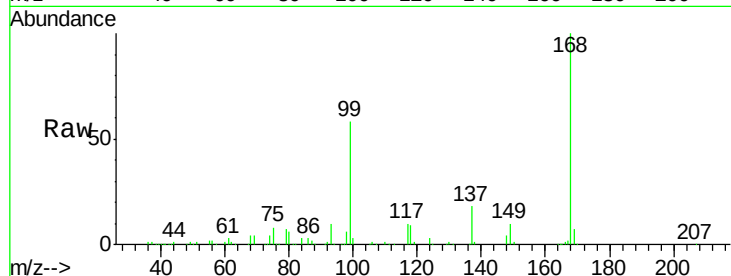
VW0624SBL02

Tgt Ion:168 Resp: 194130

Ion Ratio Lower Upper

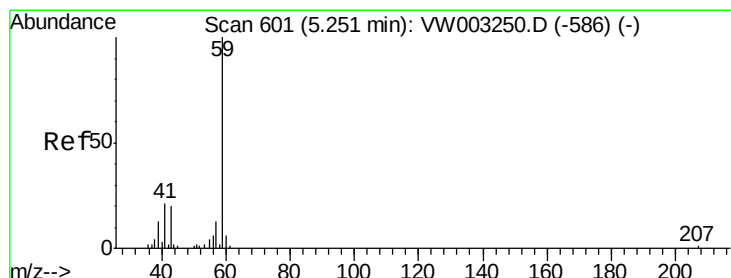
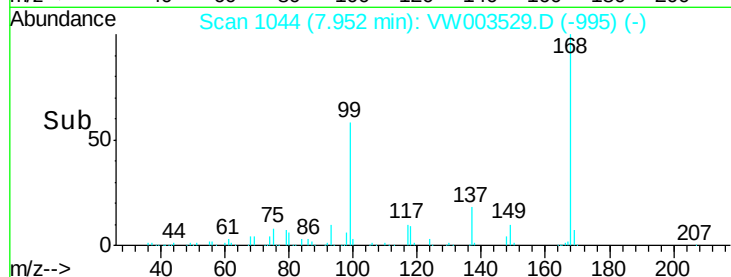
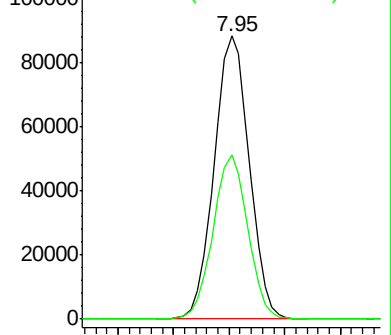
168 100

99 58.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.731 ug/l

RT: 5.24 min Scan# 599

Delta R.T. -0.01 min

Lab File: VW003529.D

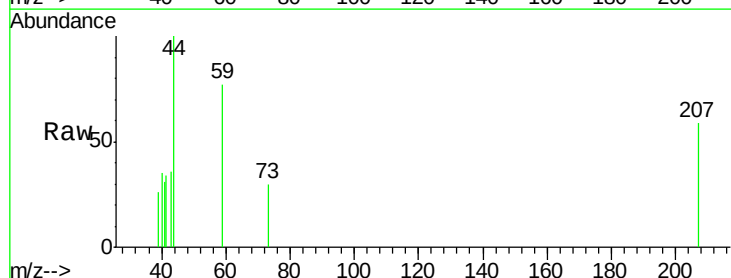
Acq: 25 Jun 2018 01:25

Tgt Ion: 59 Resp: 308

Ion Ratio Lower Upper

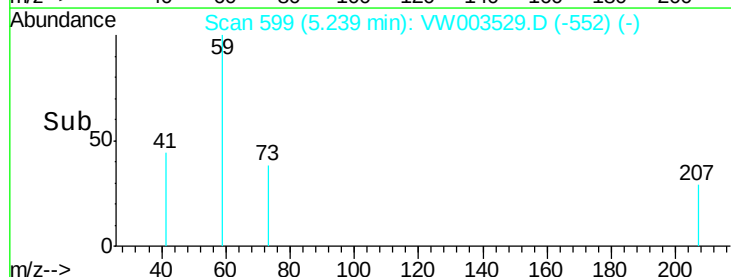
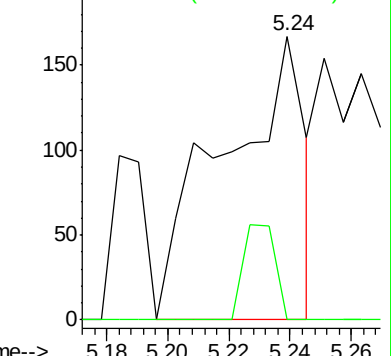
59 100

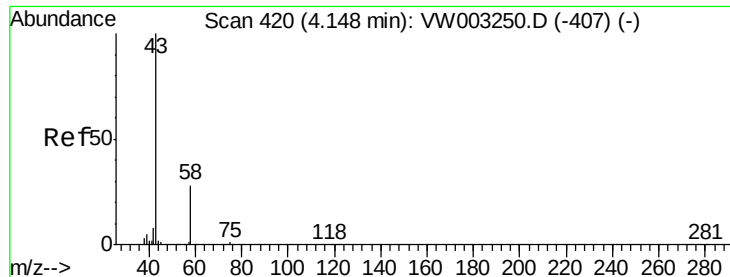
57 13.3 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 8.399 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003529.D

Acq: 25 Jun 2018 01:25

Instrument :

MSVOA_W

ClientSampleId :

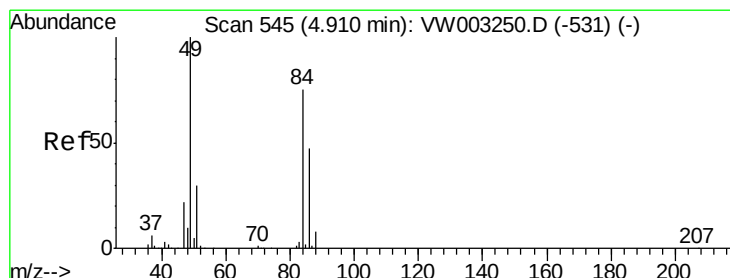
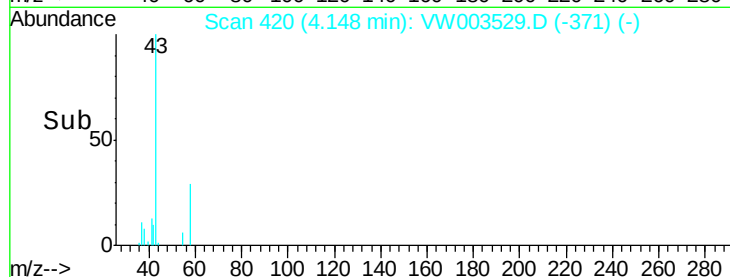
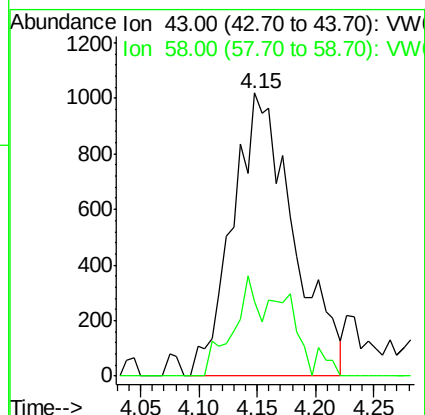
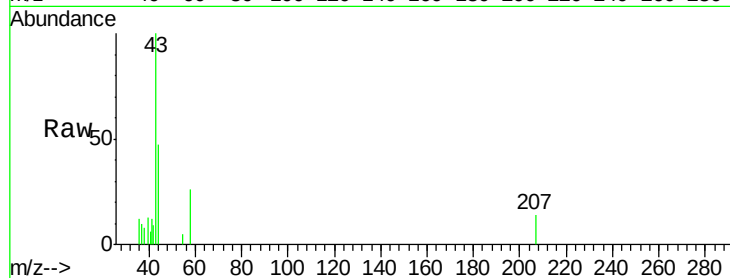
VW0624SBL02

Tgt Ion: 43 Resp: 3704

Ion Ratio Lower Upper

43 100

58 26.5 22.6 34.0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003529.D

Acq: 25 Jun 2018 01:25

Tgt Ion: 84 Resp: 4868

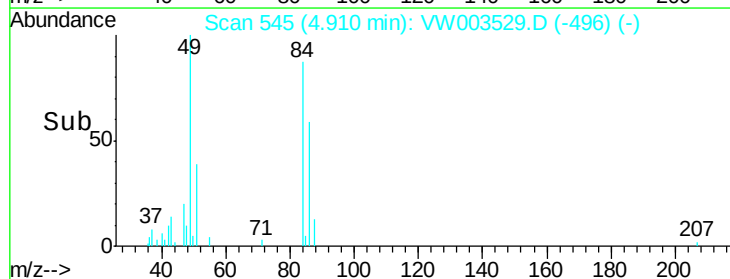
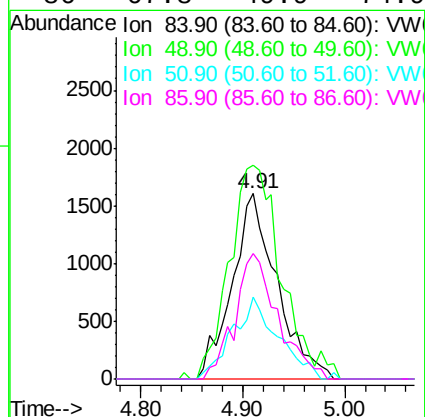
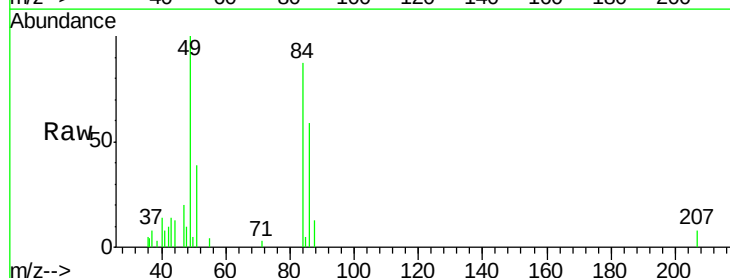
Ion Ratio Lower Upper

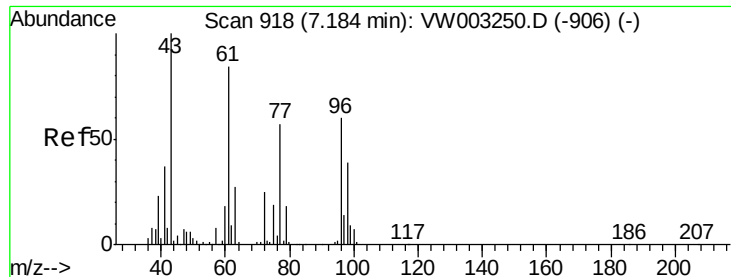
84 100

49 115.4 106.3 159.5

51 44.5 32.0 48.0

86 67.8 49.9 74.9





#25

2-Butanone

Concen: 2.951 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW003529.D

Acq: 25 Jun 2018 01:25

Instrument :

MSVOA_W

ClientSampled :

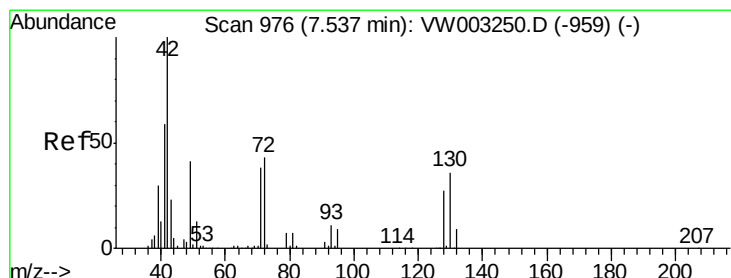
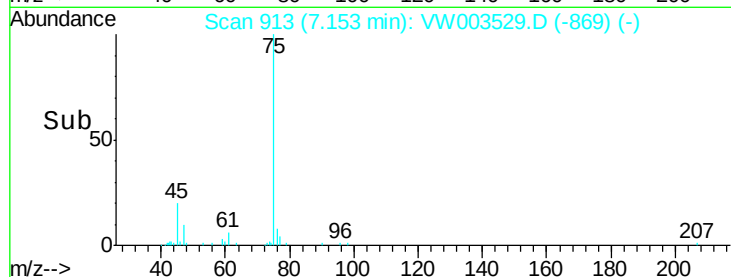
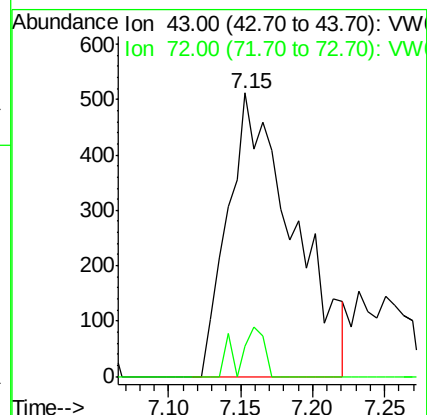
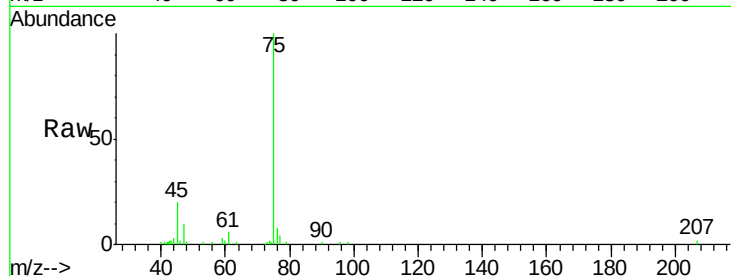
VW0624SBL02

Tgt Ion: 43 Resp: 1618

Ion Ratio Lower Upper

43 100

72 10.7 20.3 30.5#



#29

Tetrahydrofuran

Concen: 2.190 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003529.D

Acq: 25 Jun 2018 01:25

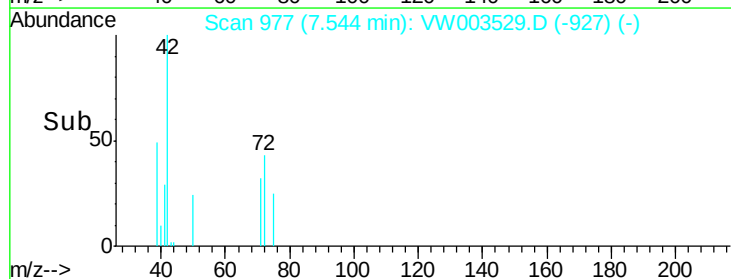
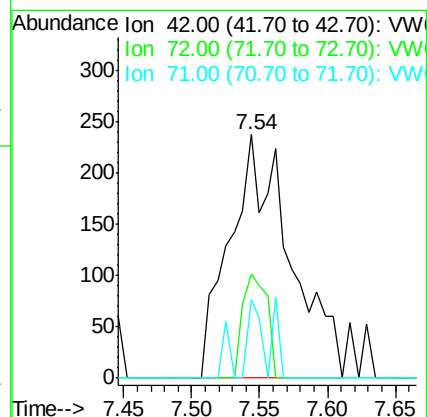
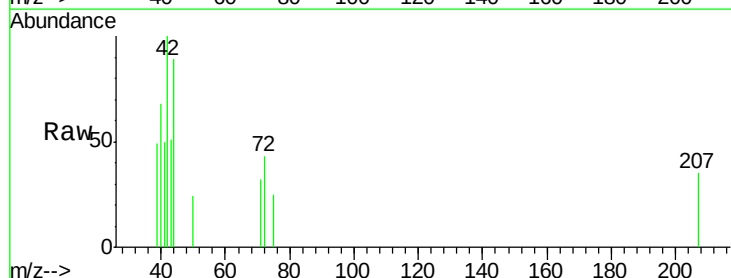
Tgt Ion: 42 Resp: 734

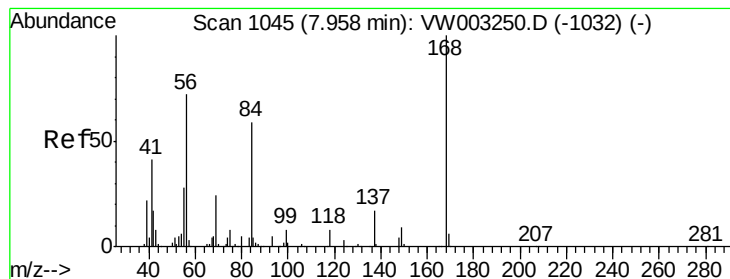
Ion Ratio Lower Upper

42 100

72 17.2 32.4 48.6#

71 6.7 31.2 46.8#





#31

Cyclohexane

Concen: 1.359 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003529.D

Acq: 25 Jun 2018 01:25

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBL02

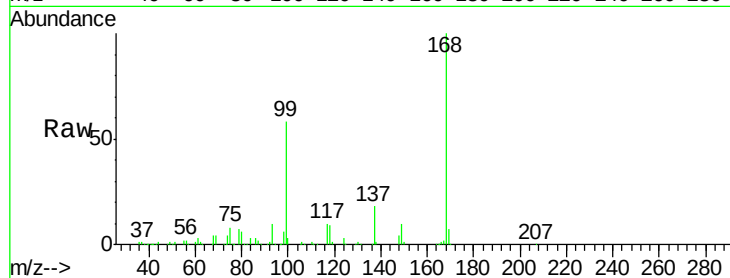
Tgt Ion: 56 Resp: 4618

Ion Ratio Lower Upper

56 100

69 169.3 26.3 39.5#

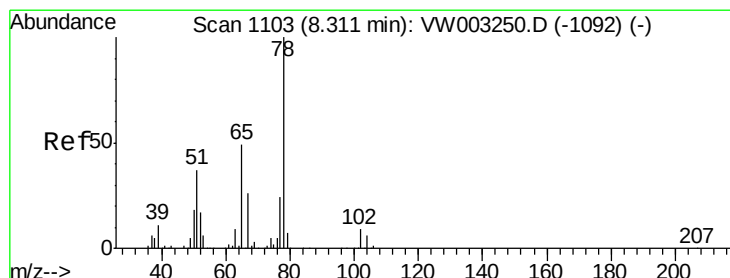
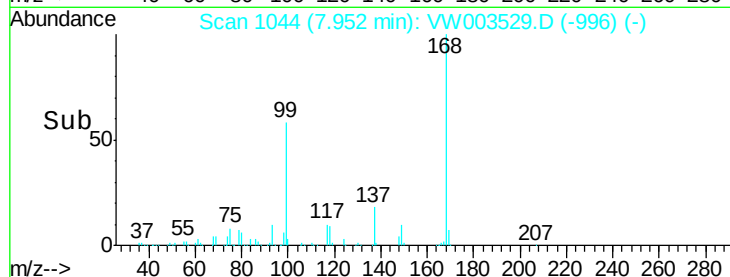
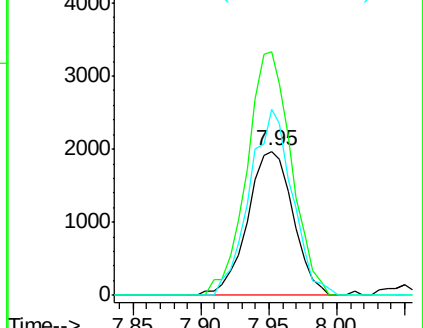
84 128.9 65.7 98.5#



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: 63.617 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003529.D

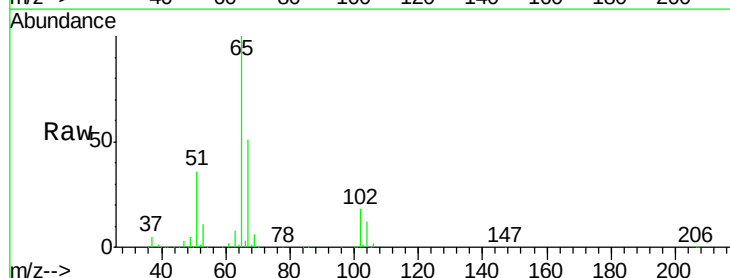
Acq: 25 Jun 2018 01:25

Tgt Ion: 65 Resp: 133769

Ion Ratio Lower Upper

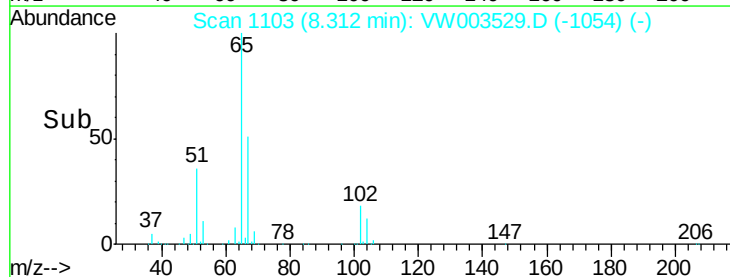
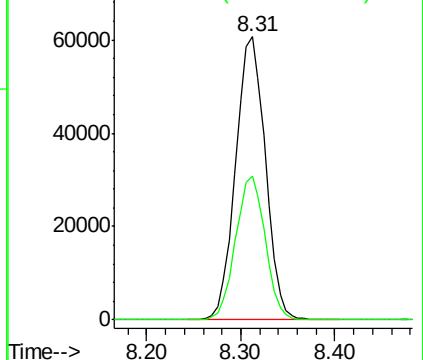
65 100

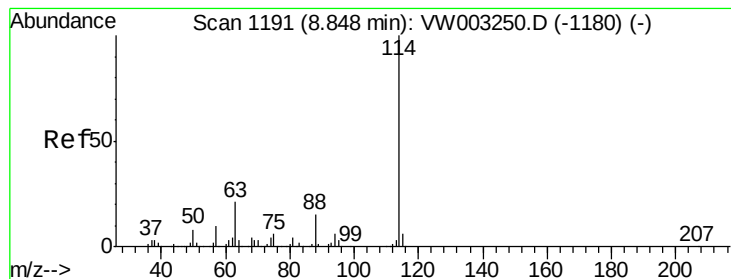
67 50.5 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003529.D

Acq: 25 Jun 2018 01:25

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBL02

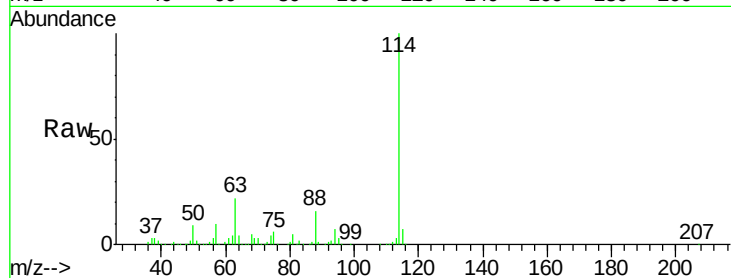
Tgt Ion:114 Resp: 328581

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.0

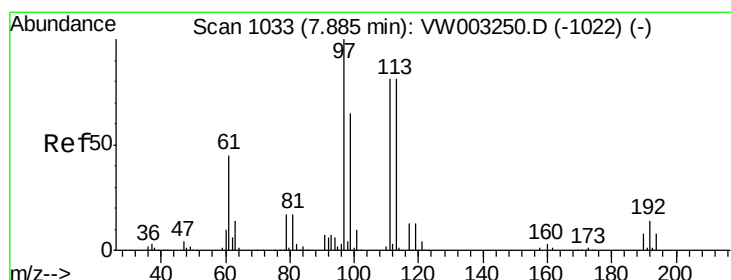
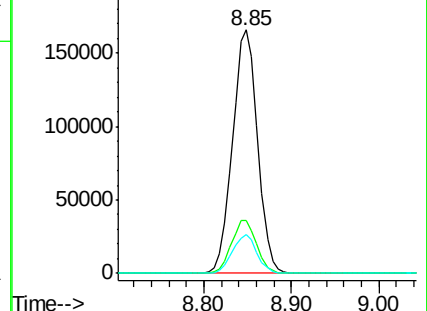
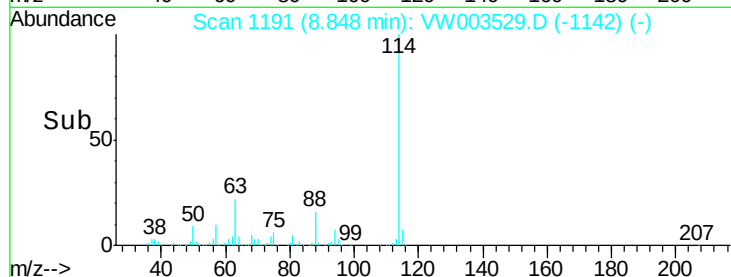
88 16.0 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 54.022 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003529.D

Acq: 25 Jun 2018 01:25

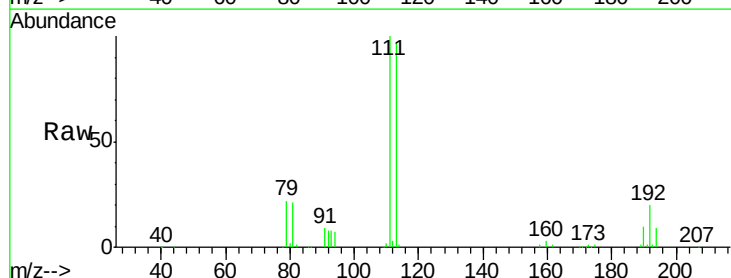
Tgt Ion:113 Resp: 110298

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

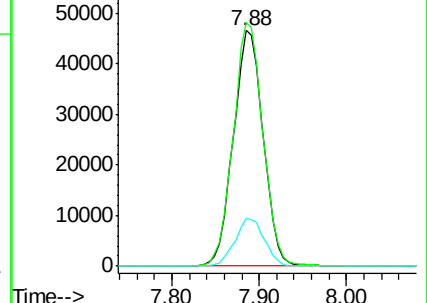
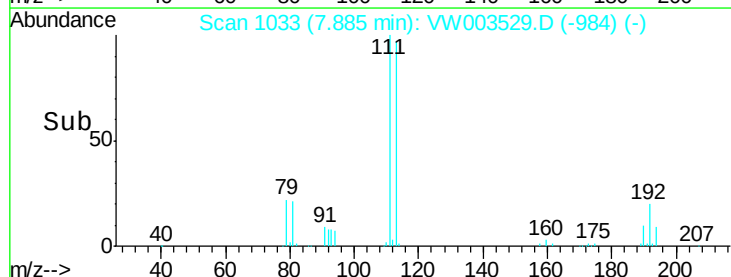
192 20.1 16.2 24.2

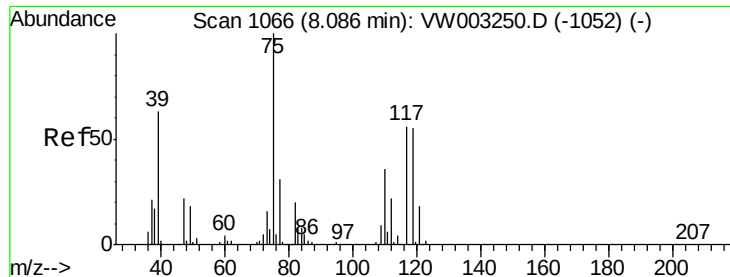


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.170 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003529.D

Acq: 25 Jun 2018 01:25

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBL02

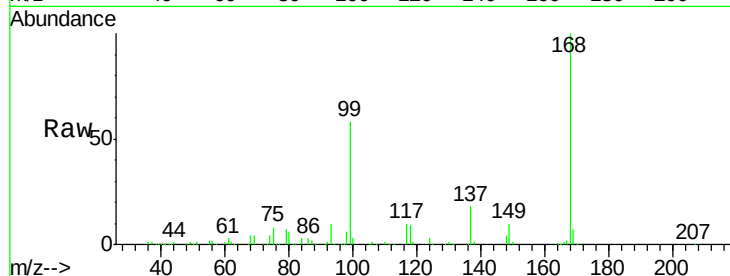
Tgt Ion: 75 Resp: 16405

Ion Ratio Lower Upper

75 100

110 8.0 17.1 51.3#

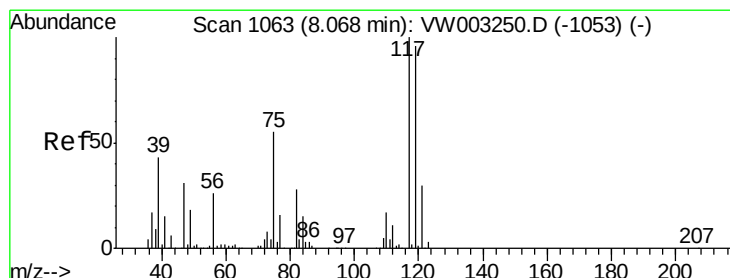
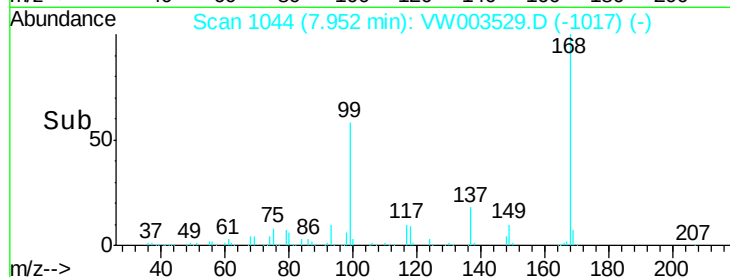
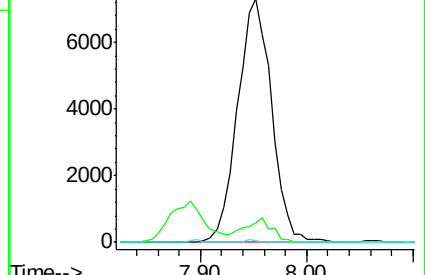
77 0.3 24.9 37.3#



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: 6.456 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003529.D

Acq: 25 Jun 2018 01:25

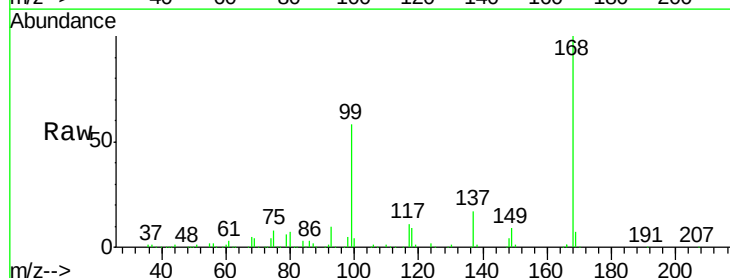
Tgt Ion: 117 Resp: 20096

Ion Ratio Lower Upper

117 100

119 4.6 76.6 115.0#

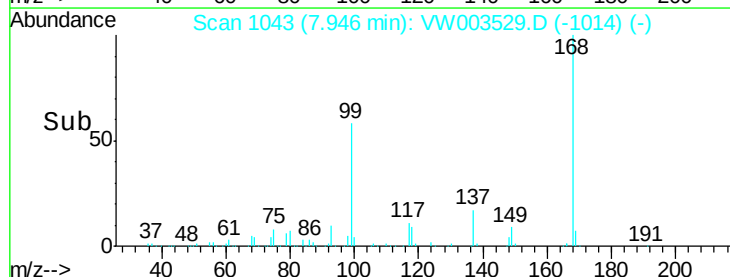
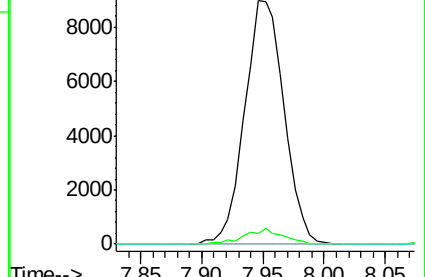
121 0.0 23.9 35.9#

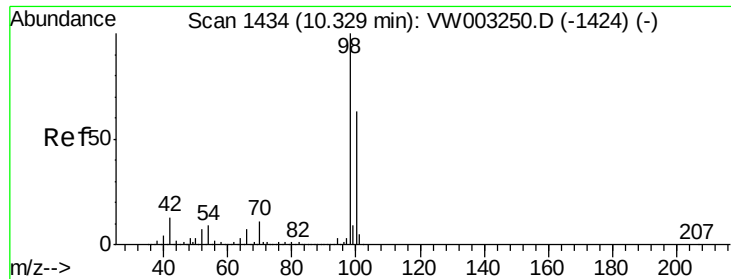


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

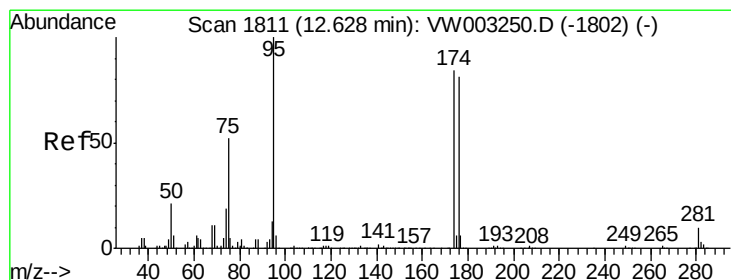
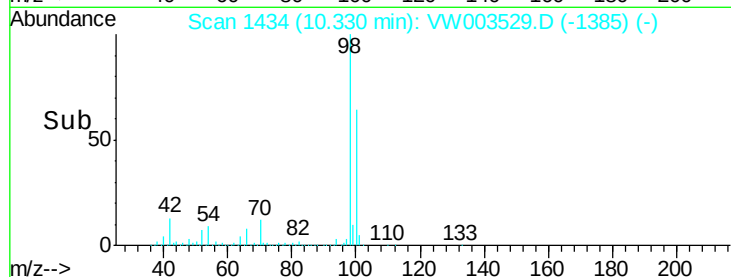
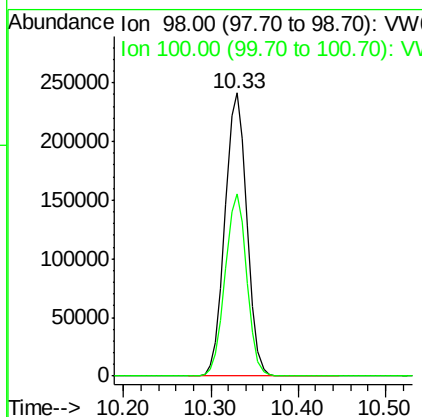
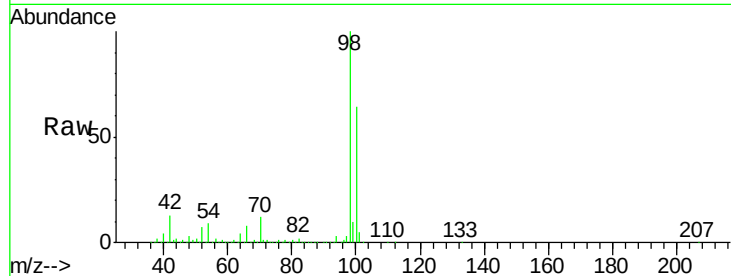




#50
Toluene-d8
Concen: 51.757 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003529.D
Acq: 25 Jun 2018 01:25

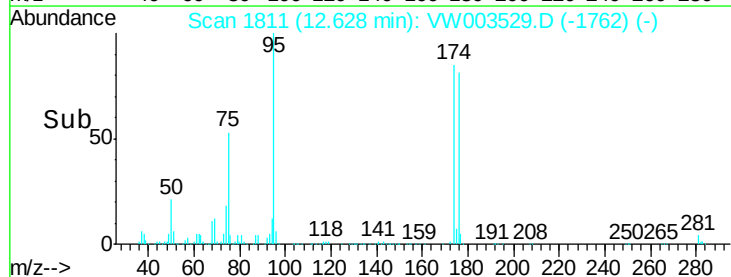
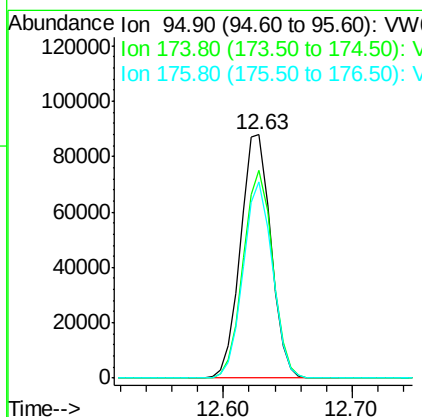
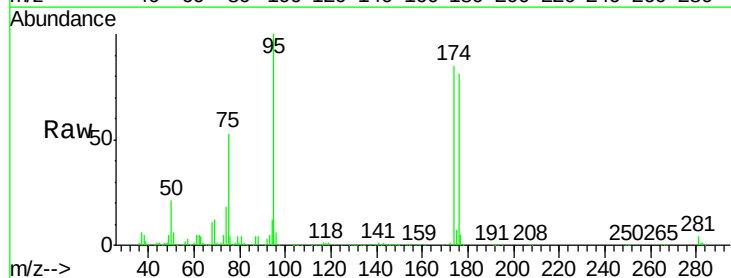
Instrument :
MSVOA_W
ClientSampleId :
VW0624SBL02

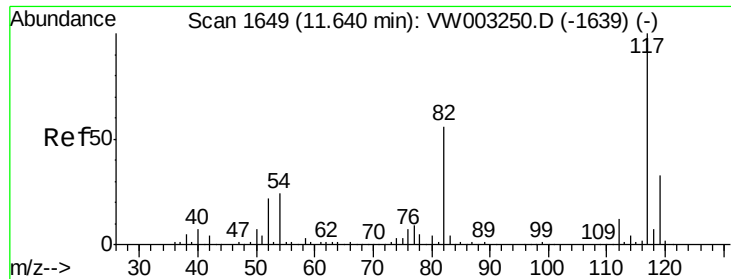
Tgt Ion: 98 Resp: 419018
Ion Ratio Lower Upper
98 100
100 63.6 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 49.950 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003529.D
Acq: 25 Jun 2018 01:25

Tgt Ion: 95 Resp: 143108
Ion Ratio Lower Upper
95 100
174 82.8 0.0 166.4
176 77.4 0.0 162.0

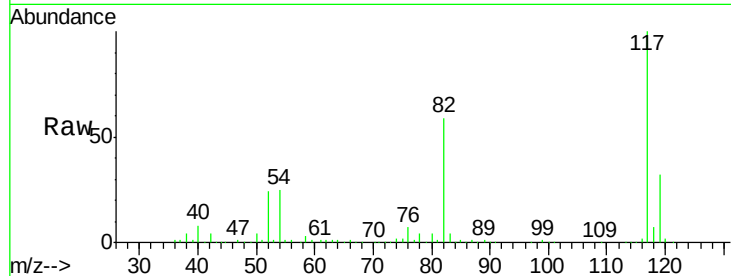




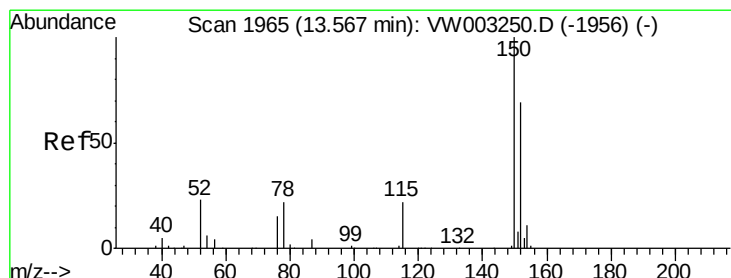
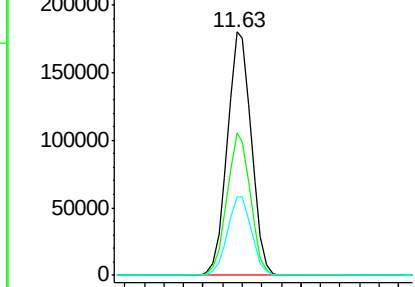
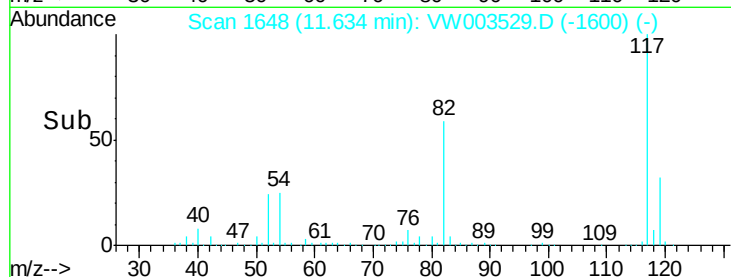
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003529.D
Acq: 25 Jun 2018 01:25

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBL02

Tgt Ion:117 Resp: 305846
Ion Ratio Lower Upper
117 100
82 58.6 44.6 67.0
119 32.1 26.7 40.1

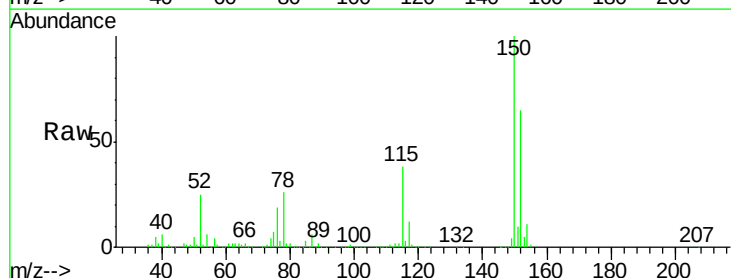


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

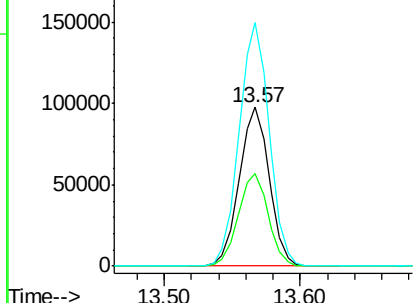
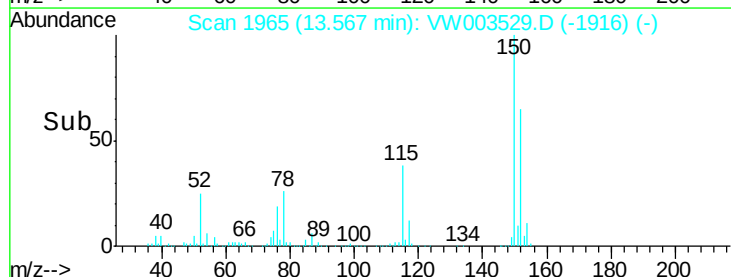


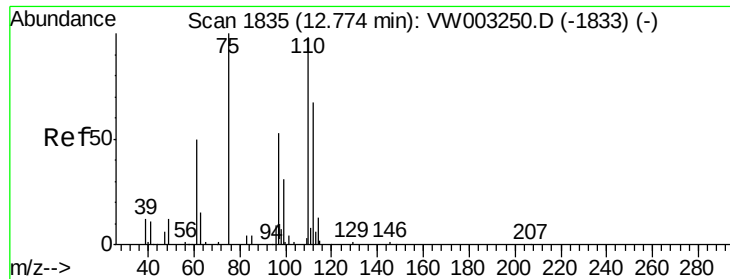
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003529.D
Acq: 25 Jun 2018 01:25

Tgt Ion:152 Resp: 150174
Ion Ratio Lower Upper
152 100
115 58.1 29.3 88.0
150 153.7 0.0 349.6



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: 60.658 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003529.D

Acq: 25 Jun 2018 01:25

Instrument :

MSVOA_W

ClientSampled :

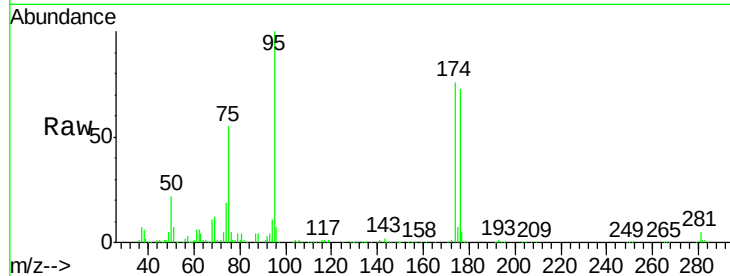
VW0624SBL02

Tgt Ion: 75 Resp: 77874

Ion Ratio Lower Upper

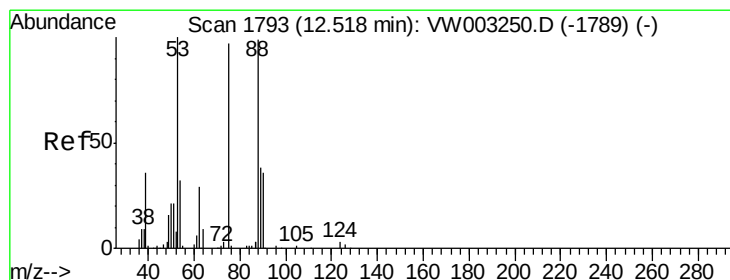
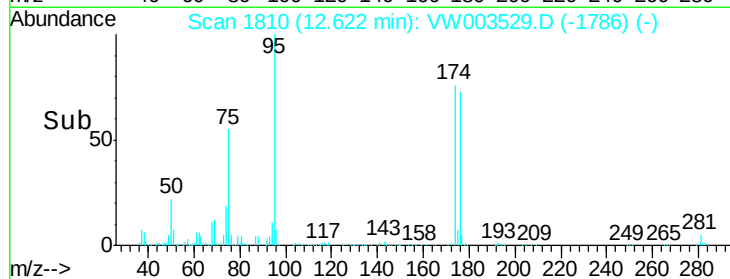
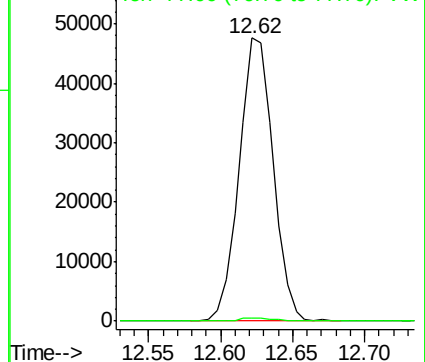
75 100

77 1.1 0.0 0.0#



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: 139.578 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003529.D

Acq: 25 Jun 2018 01:25

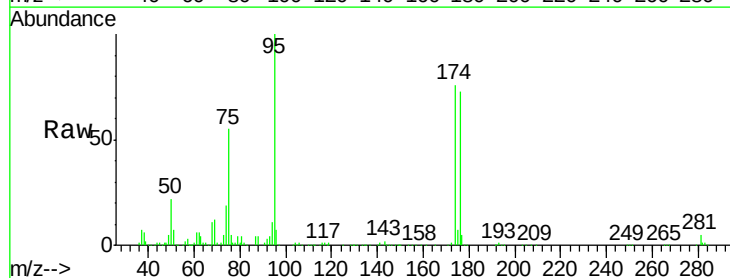
Tgt Ion: 75 Resp: 77874

Ion Ratio Lower Upper

75 100

53 0.2 82.9 124.3#

89 0.0 36.7 55.1#



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

