

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062818\
 Data File : VW003647.D
 Acq On : 28 Jun 2018 18:59
 Operator : SY/AP
 Sample : J3732-01RE
 Misc : 4.44G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 06:46:08 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	151521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	245859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	214531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	81715	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	75535	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	
35) Dibromofluoromethane	7.88	113	68554	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	
50) Toluene-d8	10.33	98	190600	31.46	ug/l	0.00
Spiked Amount			Recovery	=	62.92%	
62) 4-Bromofluorobenzene	12.63	95	64111	29.91	ug/l	0.00
Spiked Amount			Recovery	=	59.82%	

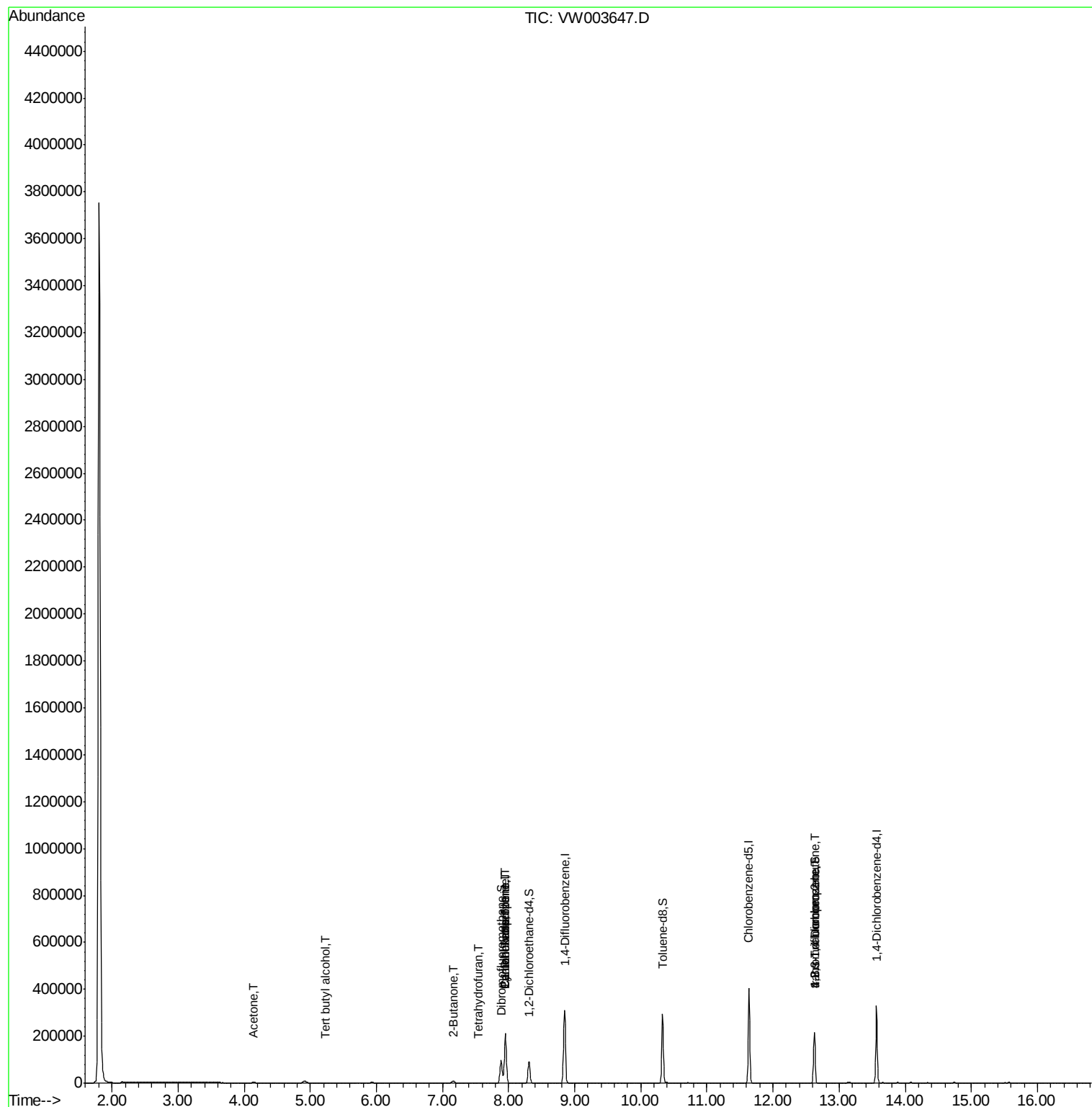
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	112	1.272	ug/l #	84
16) Acetone	4.14	43	8464	24.590	ug/l	92
25) 2-Butanone	7.17	43	668	1.561	ug/l #	50
29) Tetrahydrofuran	7.54	42	376	1.437	ug/l #	73
31) Cyclohexane	7.95	56	3731	1.407	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	12698	5.348	ug/l #	50
38) Carbon Tetrachloride	7.95	117	15249	6.547	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	35832	51.293	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	35832	118.029	ug/l #	8

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

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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: VW003647.D

Acq: 28 Jun 2018 18:59

Instrument :

MSVOA_W

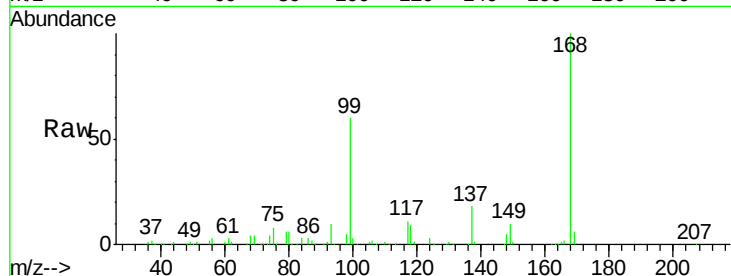
ClientSampled :

Tot Ion:168 Resp: 151521

Ion Ratio Lower Upper

168 100

99 59.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

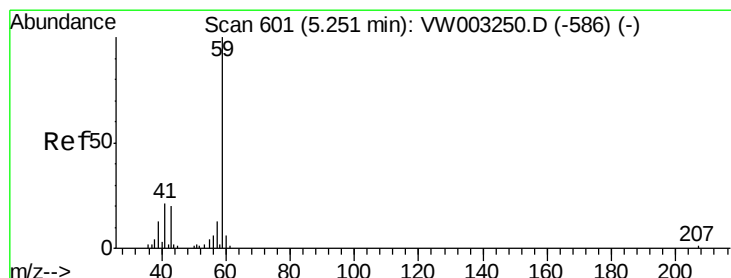
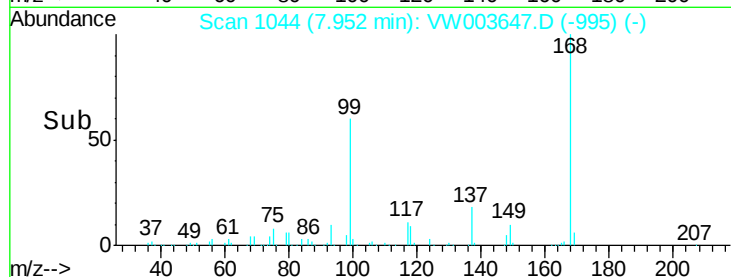
40000

20000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 1.272 ug/l

RT: 5.23 min Scan# 597

Delta R.T. -0.02 min

Lab File: VW003647.D

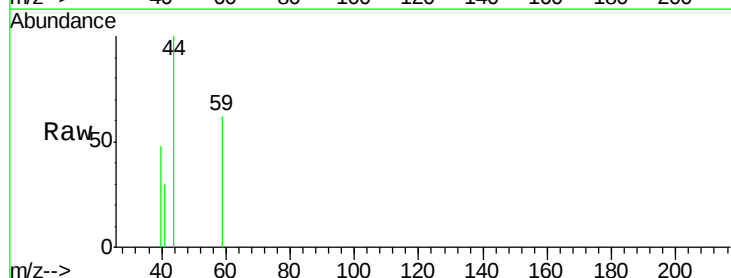
Acq: 28 Jun 2018 18:59

Tgt Ion: 59 Resp: 112

Ion Ratio Lower Upper

59 100

57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

150

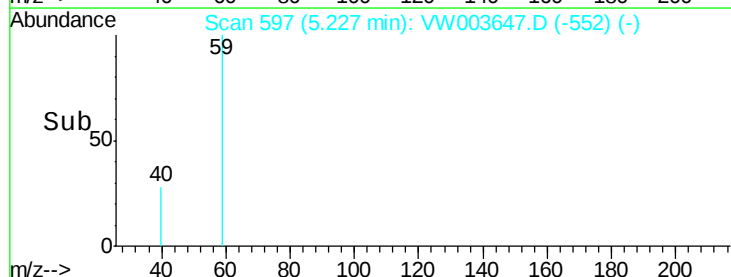
100

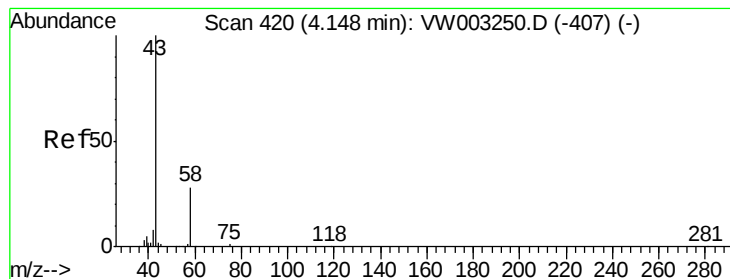
50

0

5.20 5.21 5.22 5.23 5.24

Time-->





#16

Acetone

Concen: 24.590 ug/l

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003647.D

Acq: 28 Jun 2018 18:59

Instrument :

MSVOA_W

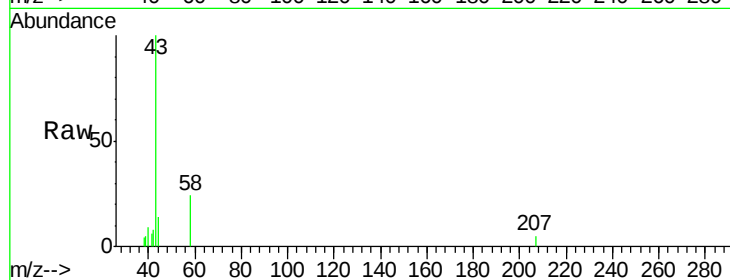
ClientSampled :

Tot Ion: 43 Resp: 8464

Ion Ratio Lower Upper

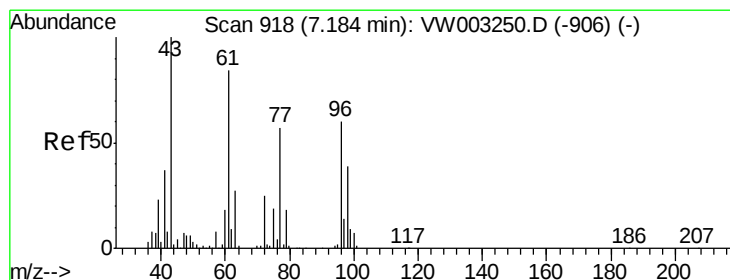
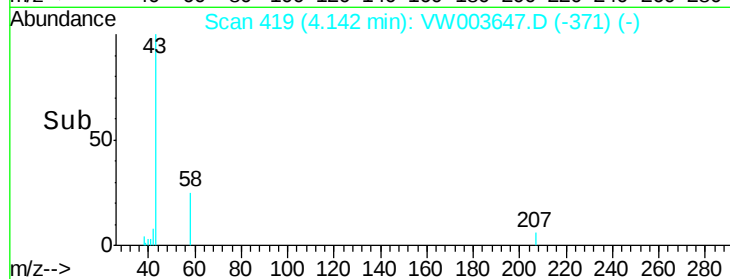
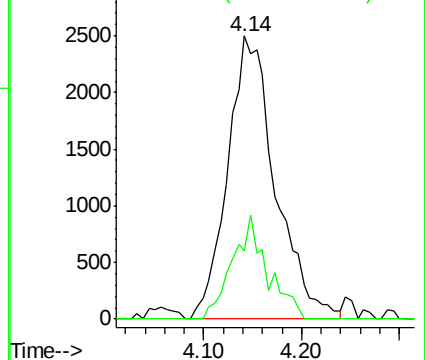
43 100

58 24.1 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 1.561 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.02 min

Lab File: VW003647.D

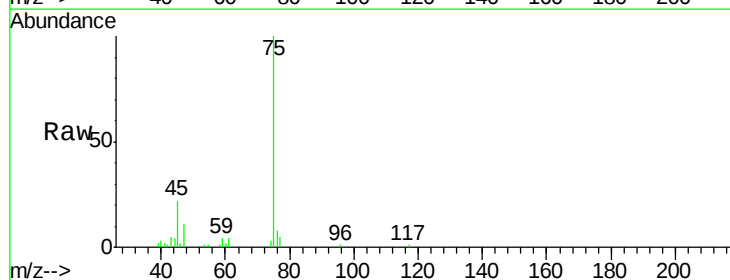
Acq: 28 Jun 2018 18:59

Tgt Ion: 43 Resp: 668

Ion Ratio Lower Upper

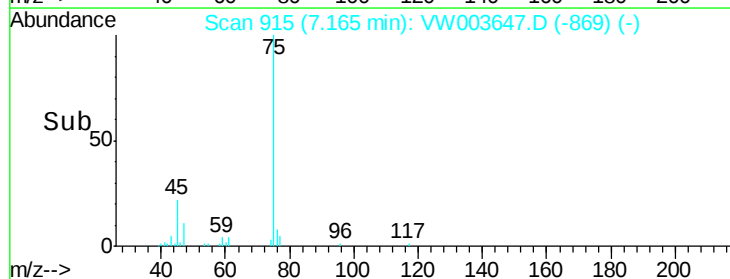
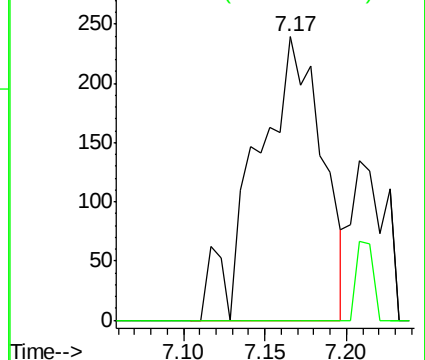
43 100

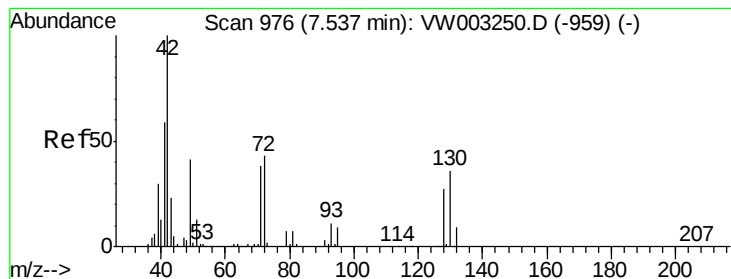
72 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.437 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003647.D

Acq: 28 Jun 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

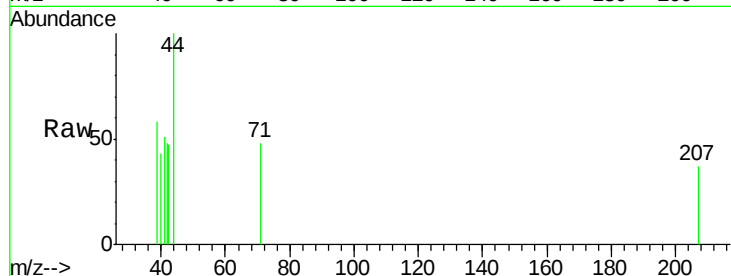
Tot Ion: 42 Resp: 376

Ion Ratio Lower Upper

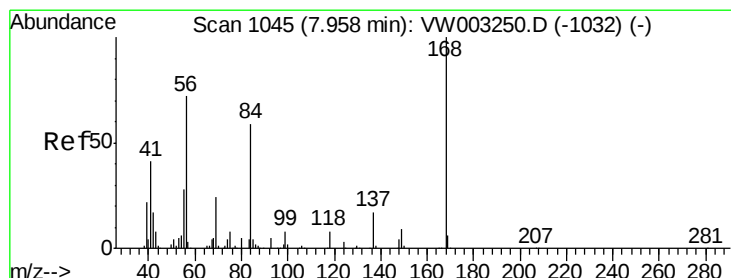
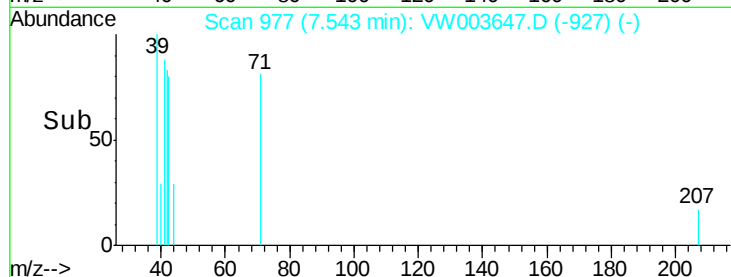
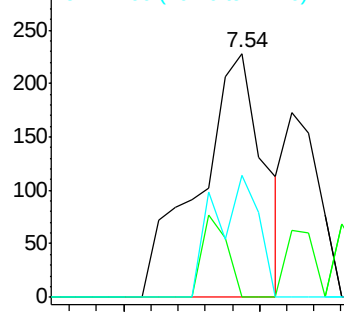
42 100

72 12.8 32.4 48.6#

71 33.5 31.2 46.8



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: 1.407 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003647.D

Acq: 28 Jun 2018 18:59

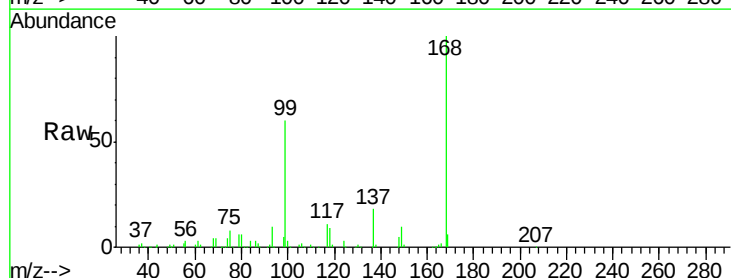
Tgt Ion: 56 Resp: 3731

Ion Ratio Lower Upper

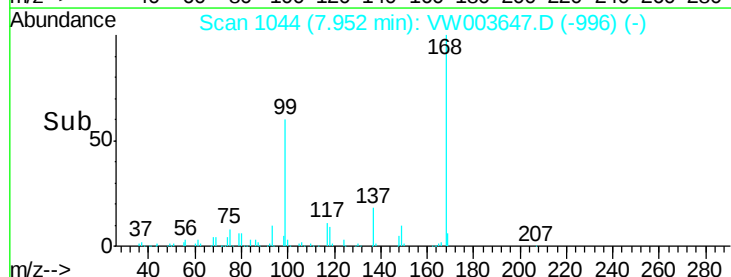
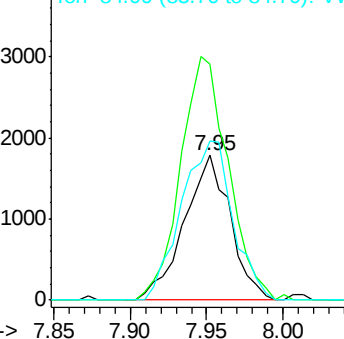
56 100

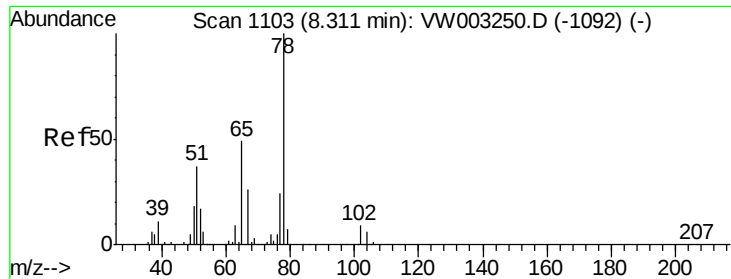
69 163.1 26.3 39.5#

84 109.4 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: 46.024 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW003647.D

Acq: 28 Jun 2018 18:59

Instrument :

MSVOA_W

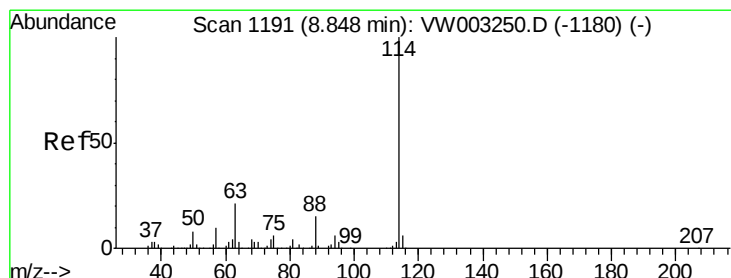
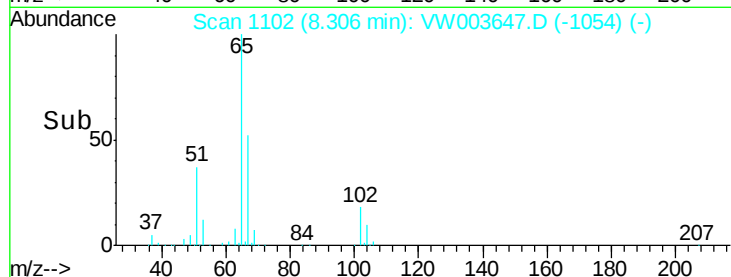
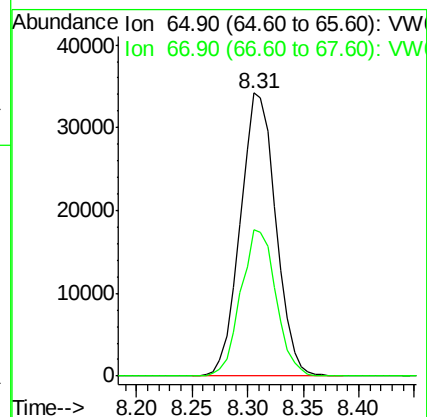
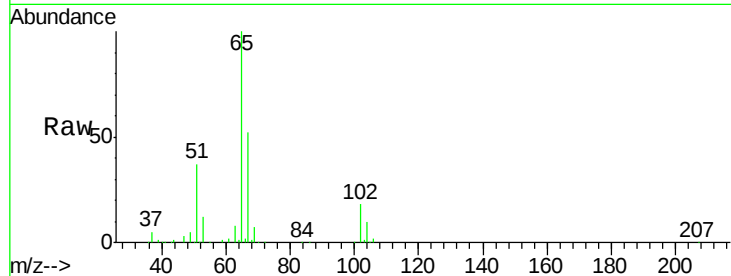
ClientSampleId :

Tot Ion: 65 Resp: 75535

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003647.D

Acq: 28 Jun 2018 18:59

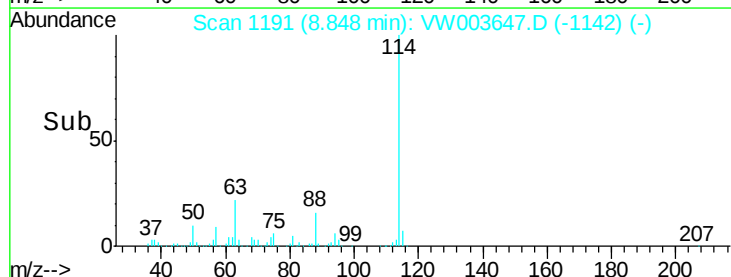
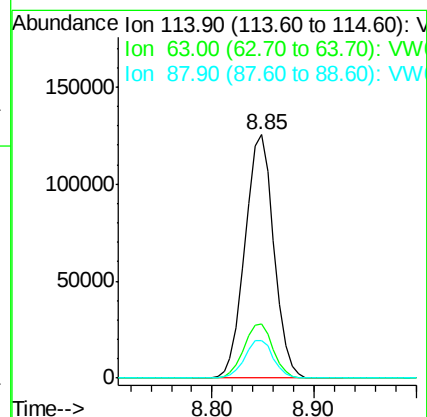
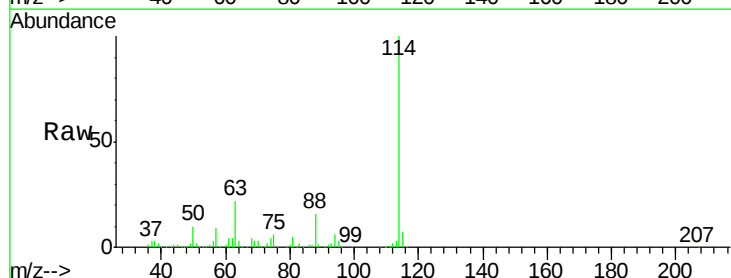
Tgt Ion: 114 Resp: 245859

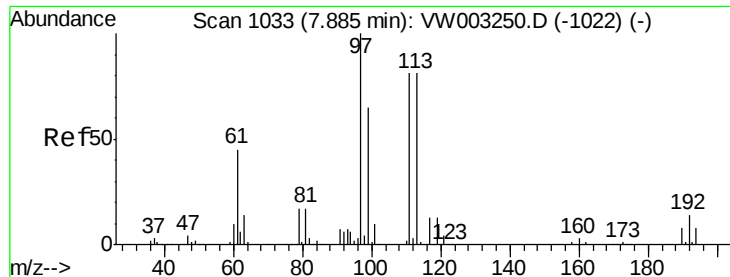
Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.0

88 15.6 0.0 29.6

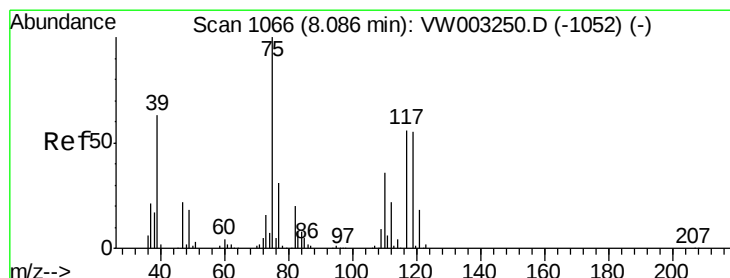
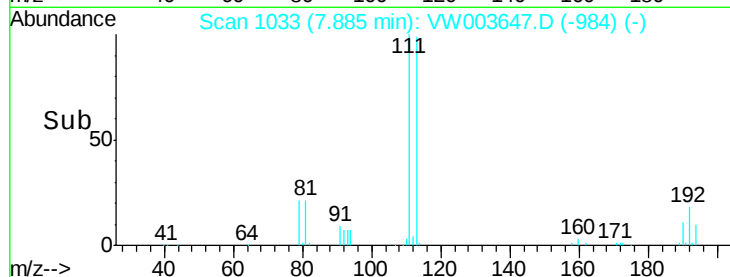
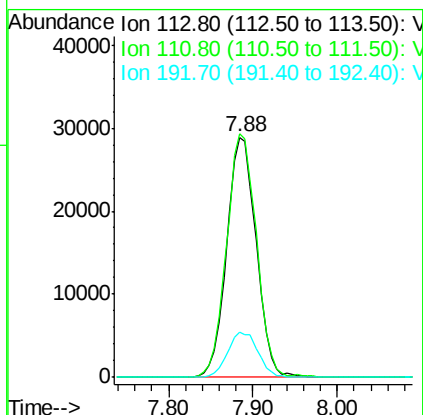
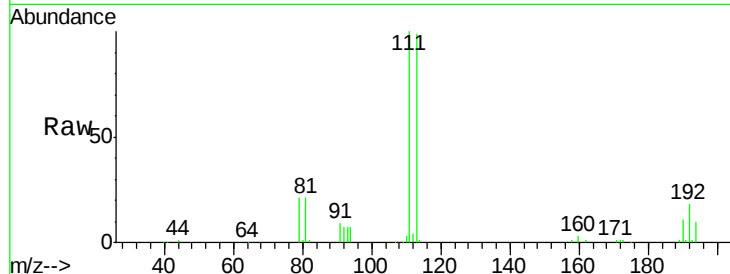




#35
 Dibromofluoromethane
 Concen: 44.874 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003647.D
 Acq: 28 Jun 2018 18:59

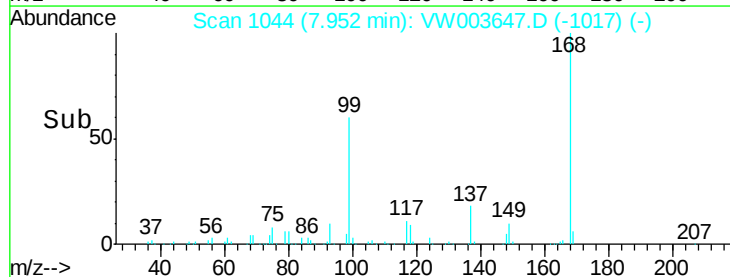
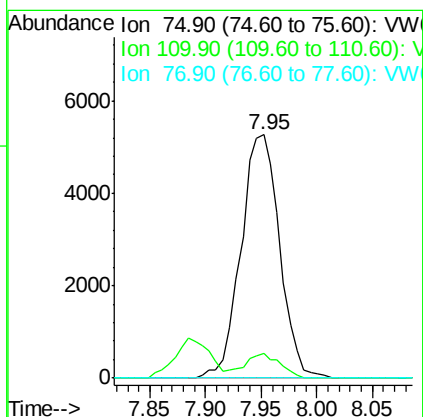
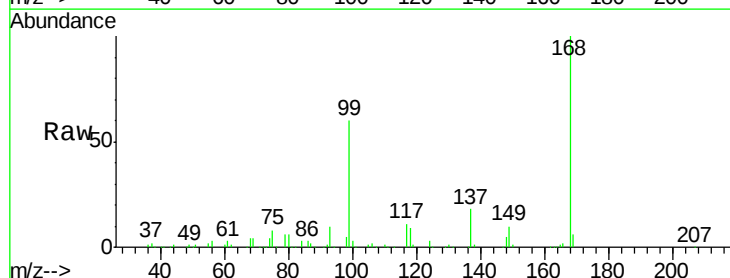
Instrument :
 MSVOA_W
 ClientSampleId :

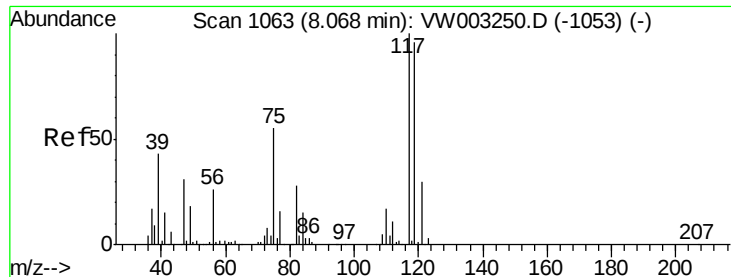
Tot Ion:113 Resp: 68554
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.2
 192 19.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.348 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003647.D
 Acq: 28 Jun 2018 18:59

Tgt Ion: 75 Resp: 12698
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.1 51.3#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.547 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003647.D

Acq: 28 Jun 2018 18:59

Instrument :
MSVOA_W
ClientSampleId :

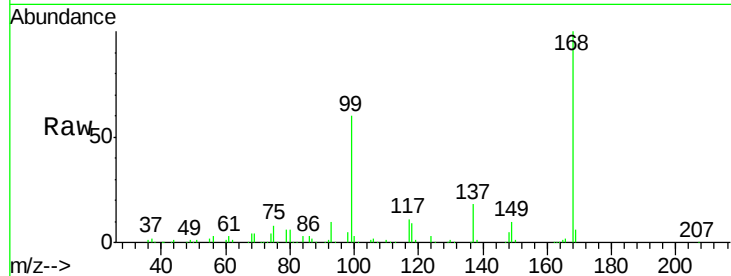
Tot Ion:117 Resp: 15249

Ion Ratio Lower Upper

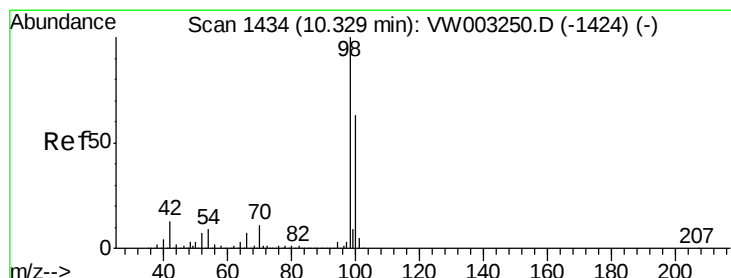
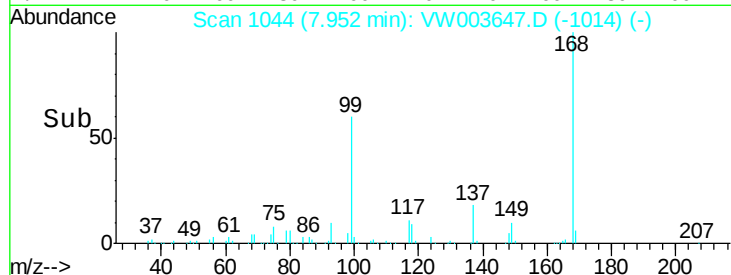
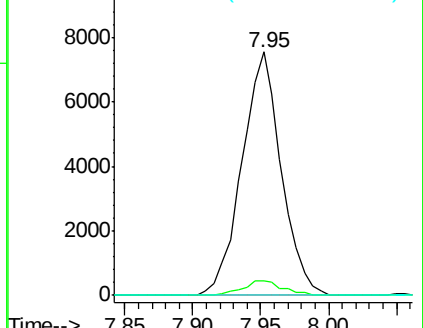
117 100

119 5.8 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: 31.464 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003647.D

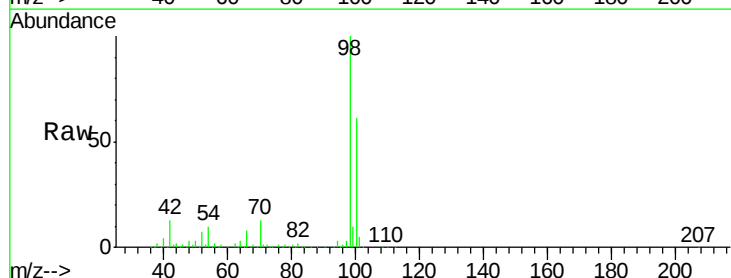
Acq: 28 Jun 2018 18:59

Tgt Ion: 98 Resp: 190600

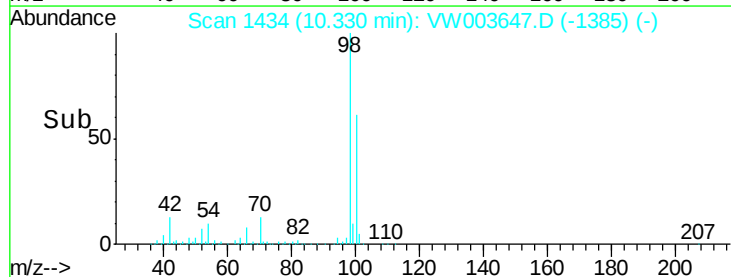
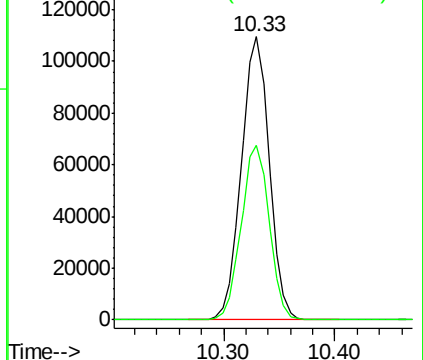
Ion Ratio Lower Upper

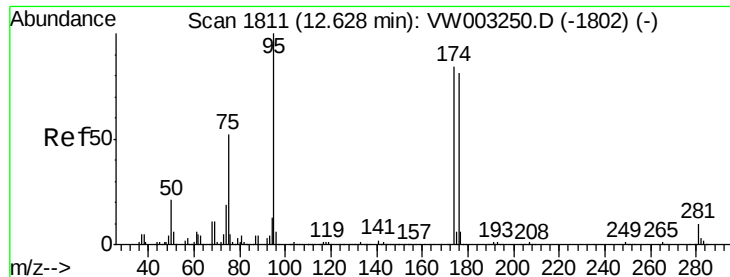
98 100

100 62.0 50.8 76.2



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

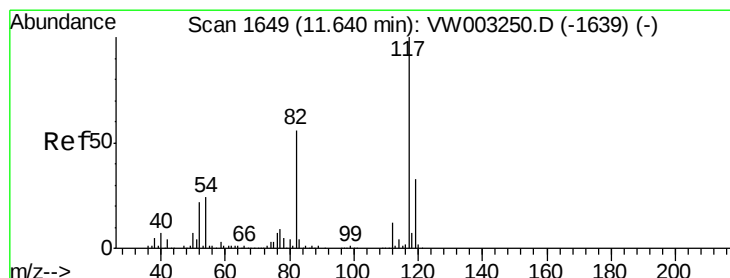
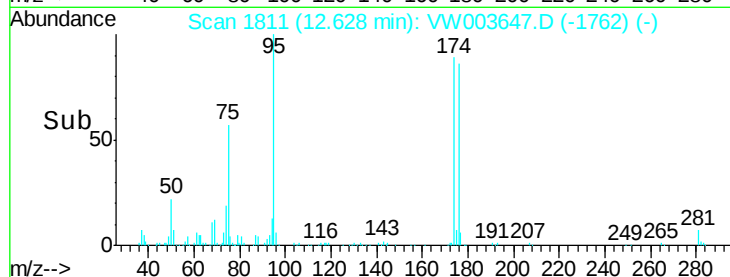
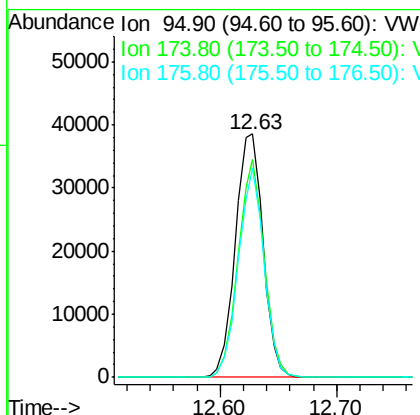
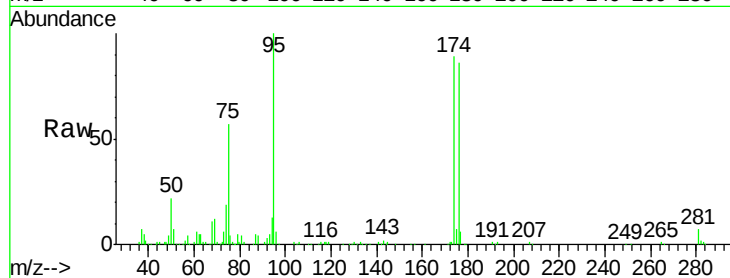




#62
4-Bromofluorobenzene
Concen: 29.906 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003647.D
Acq: 28 Jun 2018 18:59

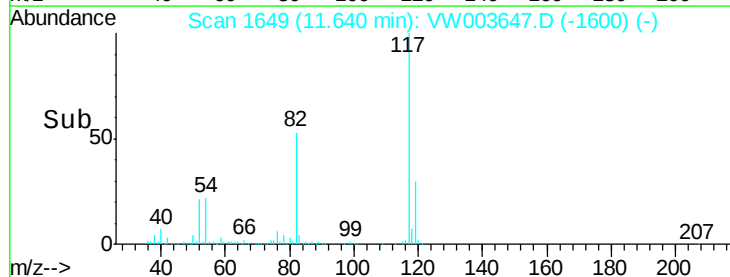
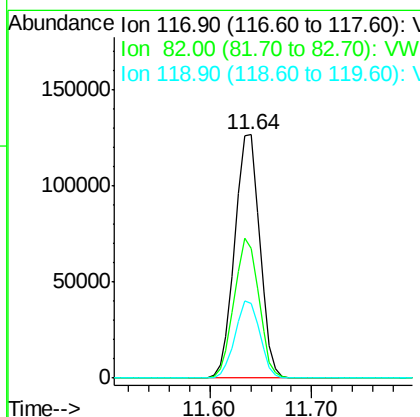
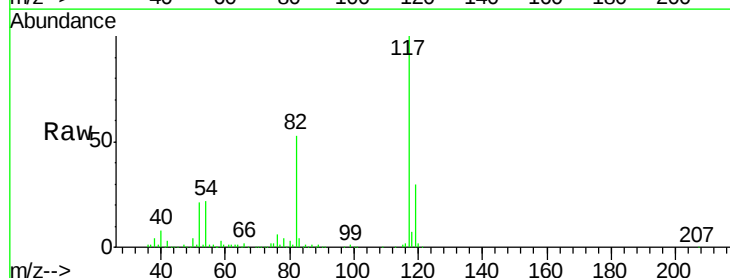
Instrument :
MSVOA_W
ClientSampleId :

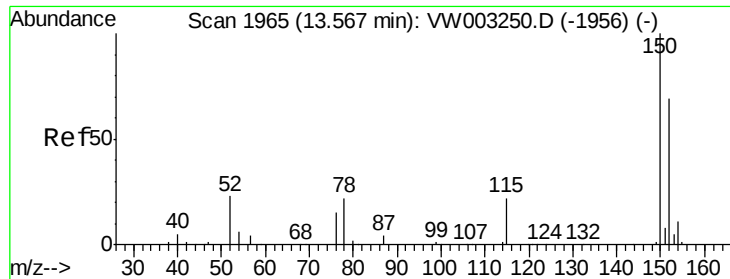
Tot Ion: 95 Resp: 64111
Ion Ratio Lower Upper
95 100
174 84.2 0.0 166.4
176 79.5 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003647.D
Acq: 28 Jun 2018 18:59

Tgt Ion: 117 Resp: 214531
Ion Ratio Lower Upper
117 100
82 53.1 44.6 67.0
119 30.4 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003647.D

Acq: 28 Jun 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

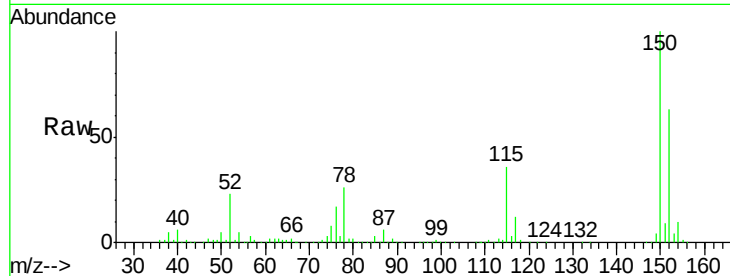
Tot Ion:152 Resp: 81715

Ion Ratio Lower Upper

152 100

115 57.0 29.3 88.0

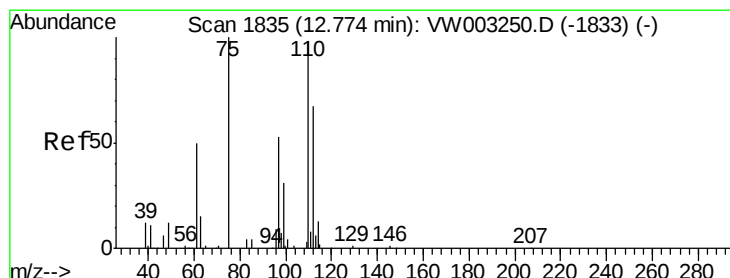
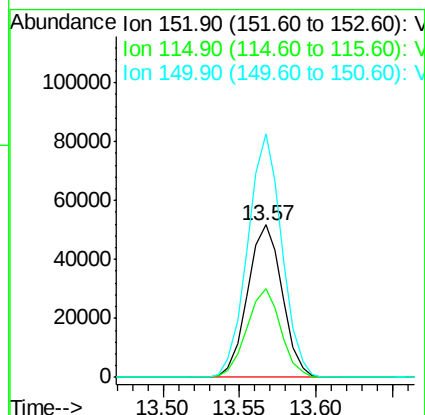
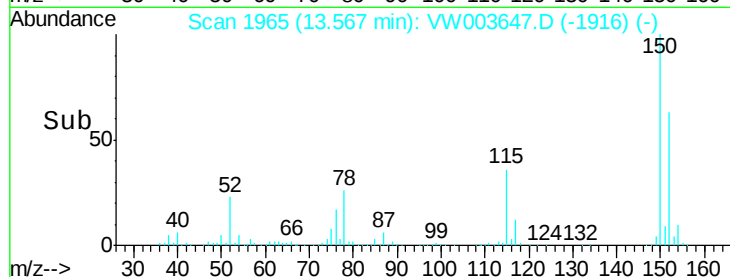
150 156.9 0.0 349.6



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: 51.293 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003647.D

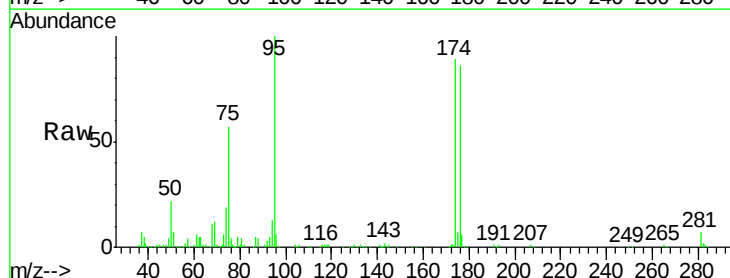
Acq: 28 Jun 2018 18:59

Tgt Ion: 75 Resp: 35832

Ion Ratio Lower Upper

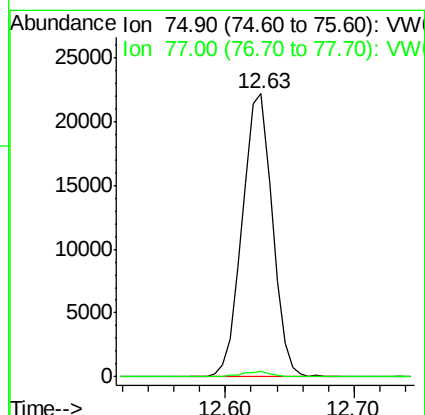
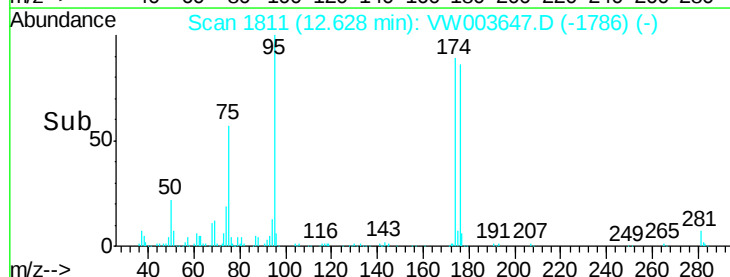
75 100

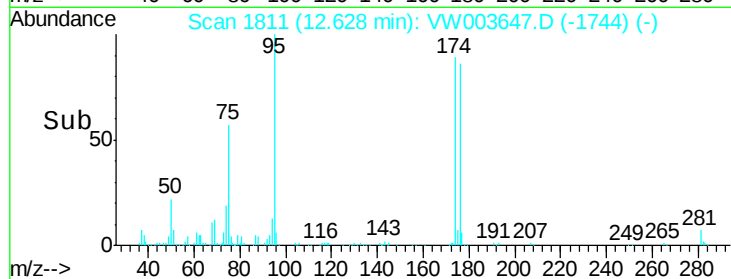
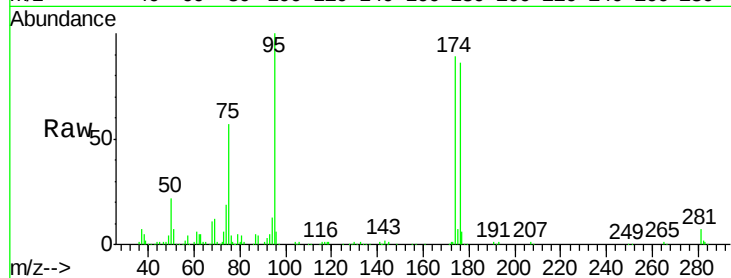
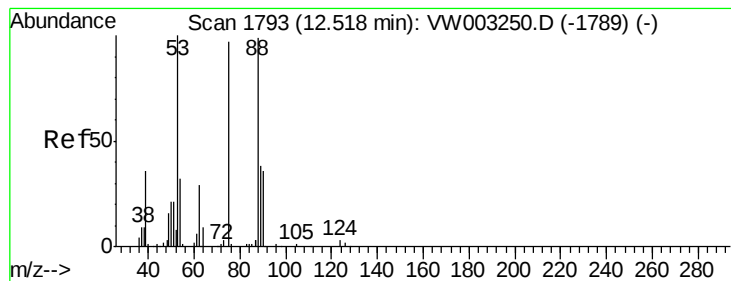
77 1.6 0.0 0.0#



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: 118.029 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003647.D

Acq: 28 Jun 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 35832

Ion Ratio Lower Upper

75 100

53 0.2 82.9 124.3#

89 0.1 36.7 55.1#

