

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101018\
 Data File : VW005949.D
 Acq On : 09 Oct 2018 20:38
 Operator : SY/AP
 Sample : VW1009SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1010SBL01

Quant Time: Oct 10 01:09:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	336206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	166889	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	114279	52.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.22%	
35) Dibromofluoromethane	7.88	113	114158	53.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.36%	
50) Toluene-d8	10.32	98	435331	52.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.62	95	159449	50.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.50%	

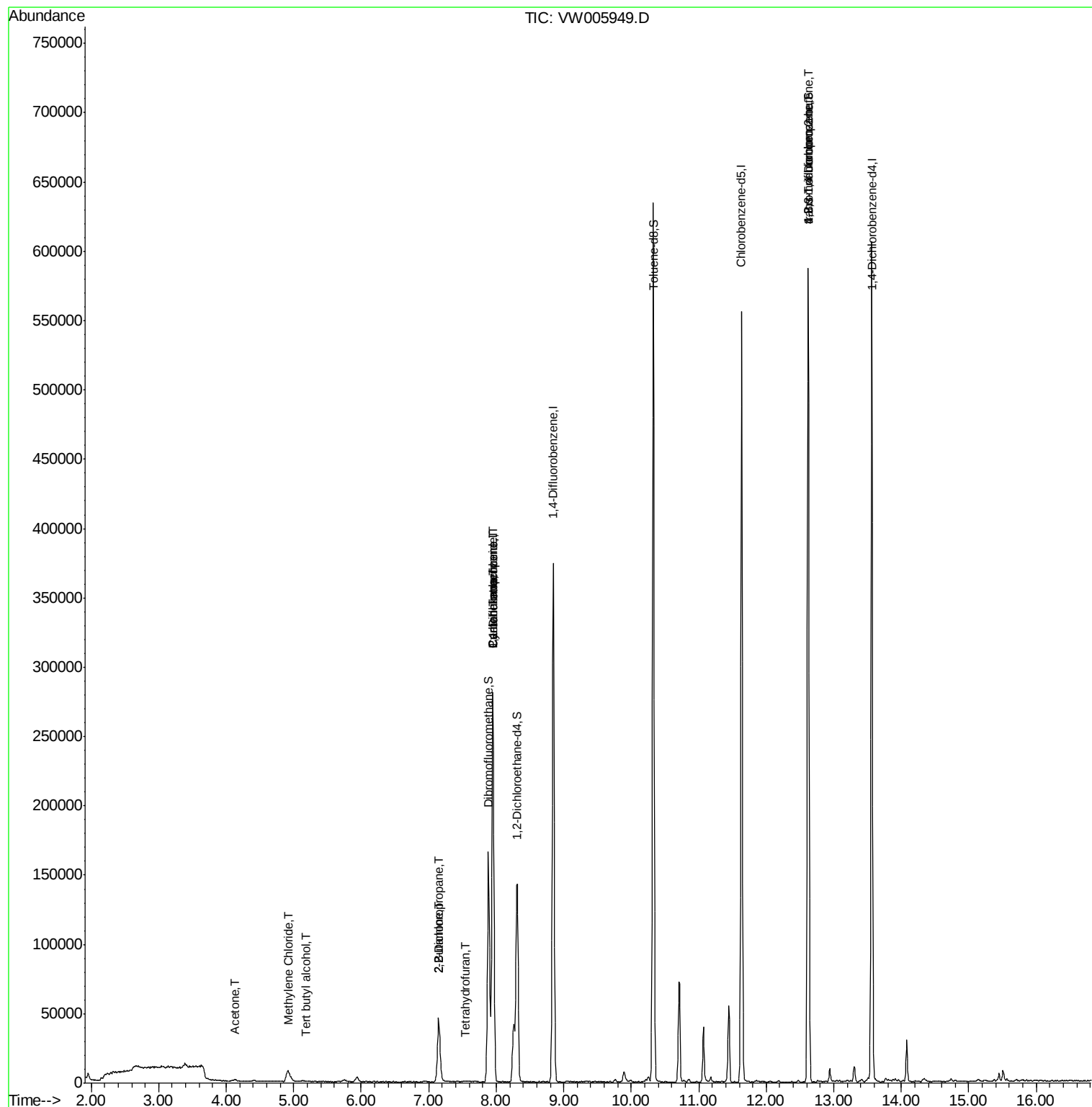
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	211	1.313	ug/l #	64
16) Acetone	4.13	43	2822	6.442	ug/l	97
20) Methylene Chloride	4.92	84	7224	3.291	ug/l	92
25) 2-Butanone	7.15	43	2190	3.515	ug/l #	67
26) 2,2-Dichloropropane	7.15	77	3155	1.155	ug/l #	52
29) Tetrahydrofuran	7.54	42	576	1.462	ug/l #	36
31) Cyclohexane	7.95	56	4364	1.137	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	15027	4.665	ug/l #	49
38) Carbon Tetrachloride	7.95	117	20644	5.965	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	81964	54.981	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81964	116.070	ug/l #	11

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

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Misc : 5.00G/5ML/MSVOA_W/SOIL
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ClientSampleId :
VW1010SBL01

Quant Time: Oct 10 01:09:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 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: VW005949.D

Acq: 09 Oct 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

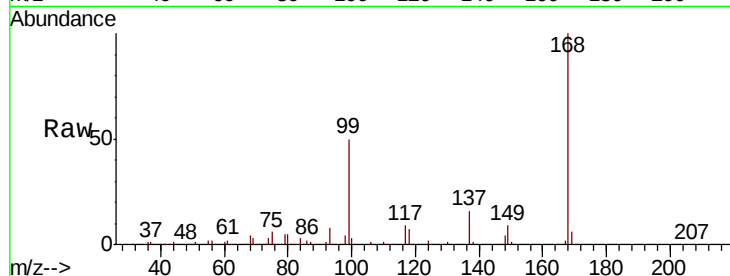
VW1010SBL01

Tgt Ion:168 Resp: 225914

Ion Ratio Lower Upper

168 100

99 50.5 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

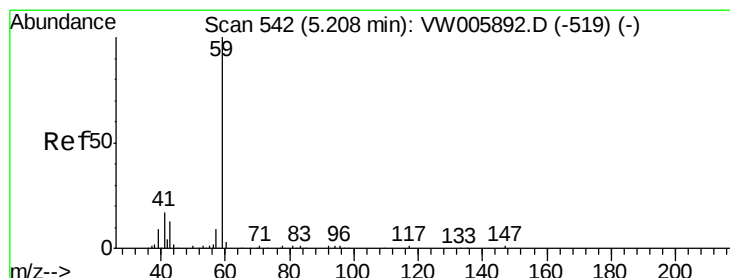
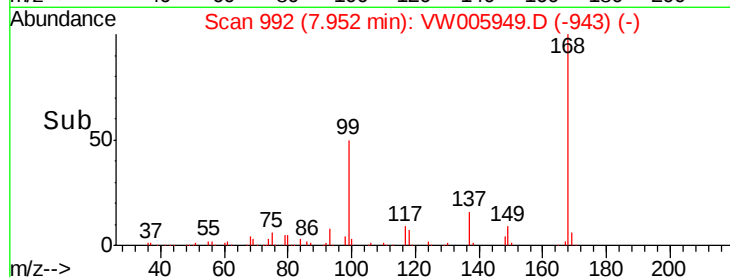
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.313 ug/l

RT: 5.18 min Scan# 538

Delta R.T. -0.02 min

Lab File: VW005949.D

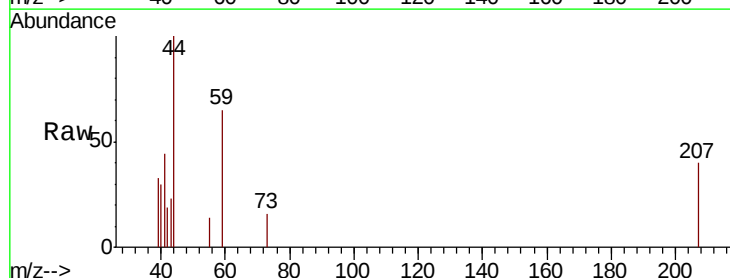
Acq: 09 Oct 2018 20:38

Tgt Ion: 59 Resp: 211

Ion Ratio Lower Upper

59 100

57 22.7 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

300

250

200

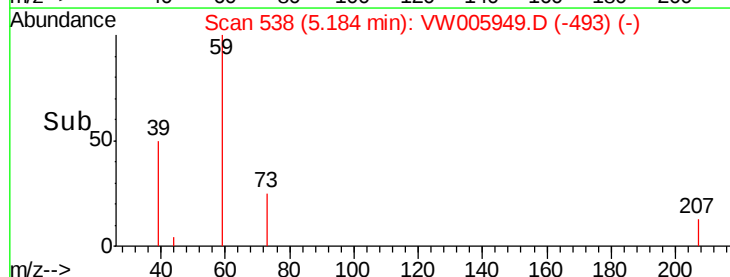
150

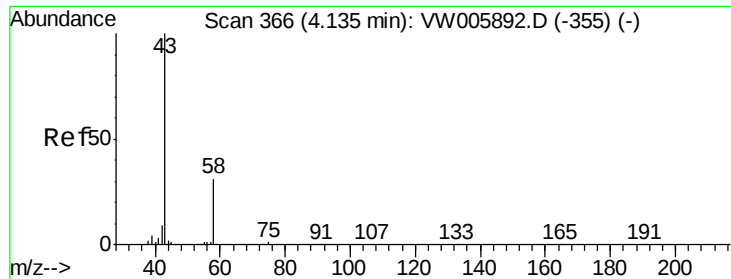
100

50

0

Time-->





#16

Acetone

Concen: 6.442 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW005949.D

Acq: 09 Oct 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

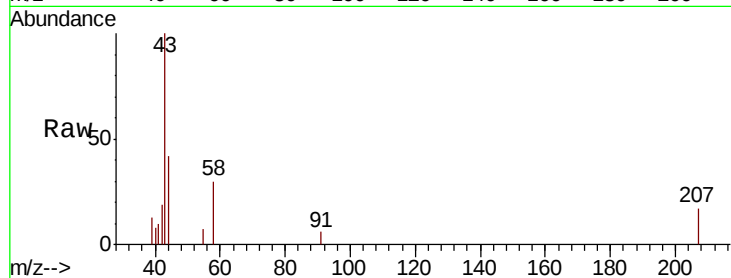
VW1010SBL01

Tgt Ion: 43 Resp: 2822

Ion Ratio Lower Upper

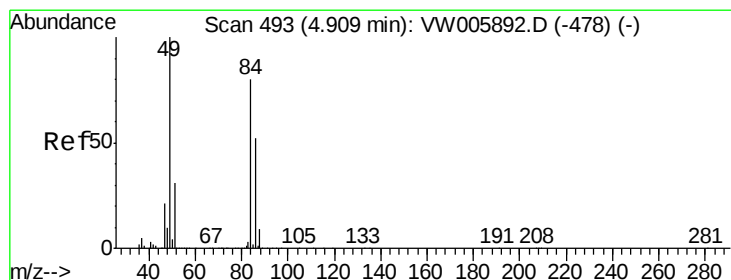
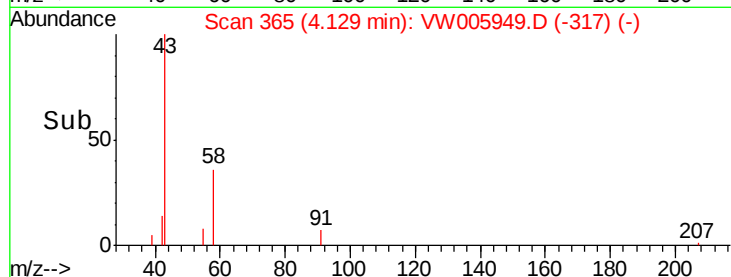
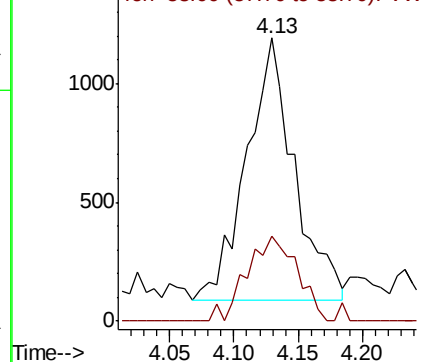
43 100

58 32.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 3.291 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW005949.D

Acq: 09 Oct 2018 20:38

Tgt Ion: 84 Resp: 7224

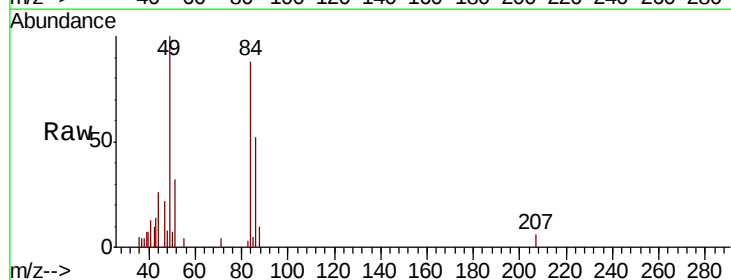
Ion Ratio Lower Upper

84 100

49 113.6 99.9 149.9

51 36.1 31.1 46.7

86 59.0 51.8 77.6

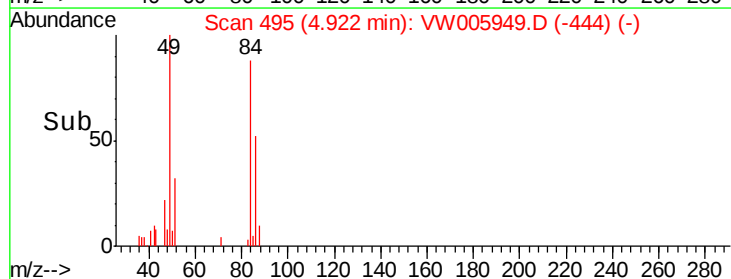
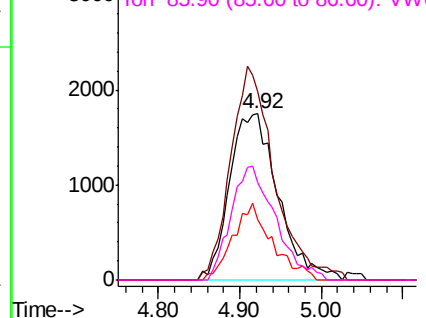


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 3.515 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW005949.D

Acq: 09 Oct 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

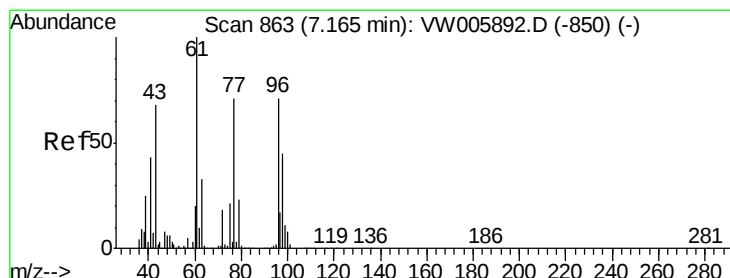
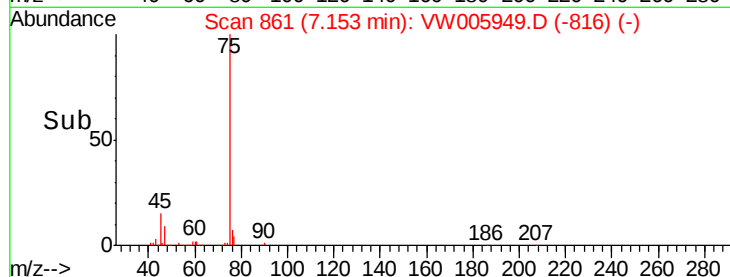
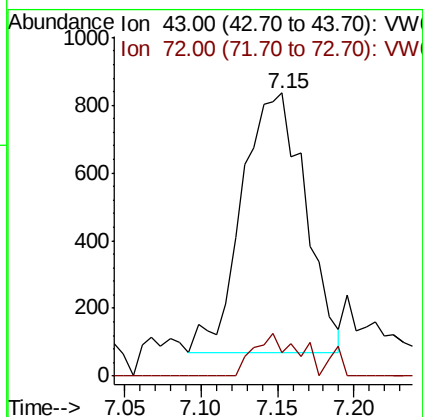
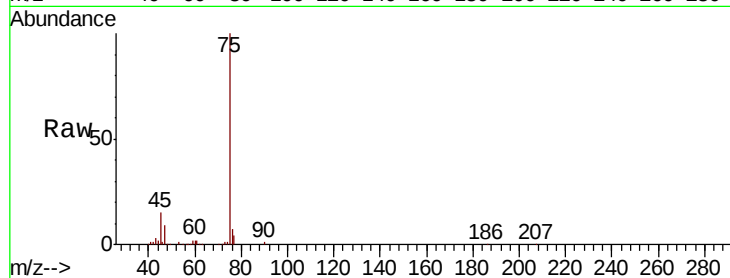
VW1010SBL01

Tgt Ion: 43 Resp: 2190

Ion Ratio Lower Upper

43 100

72 9.3 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 1.155 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW005949.D

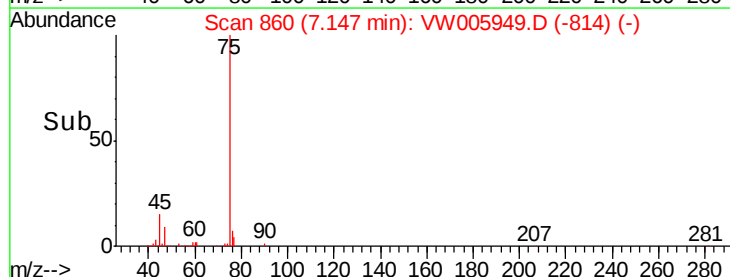
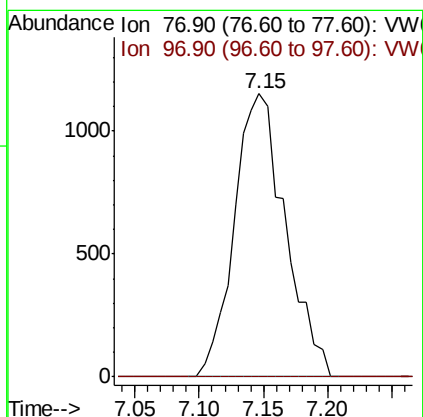
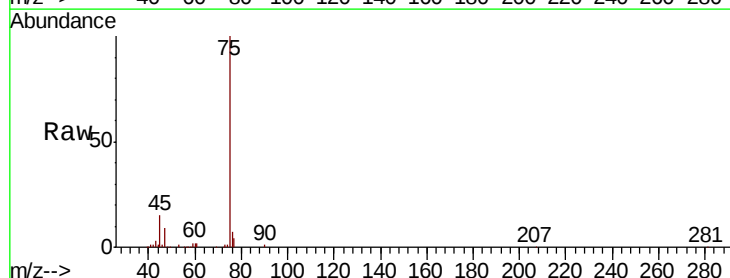
Acq: 09 Oct 2018 20:38

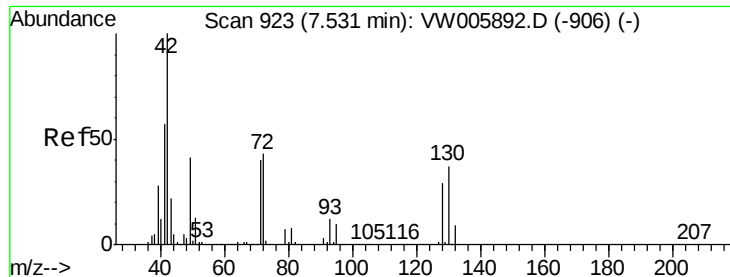
Tgt Ion: 77 Resp: 3155

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.7#

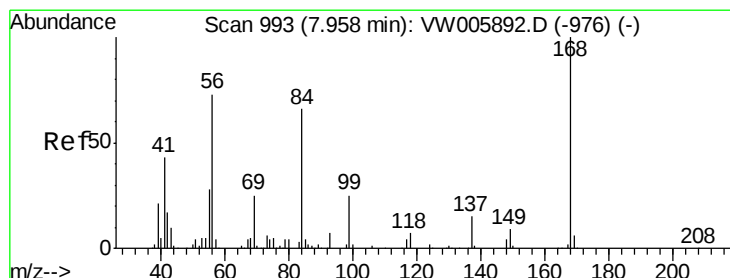
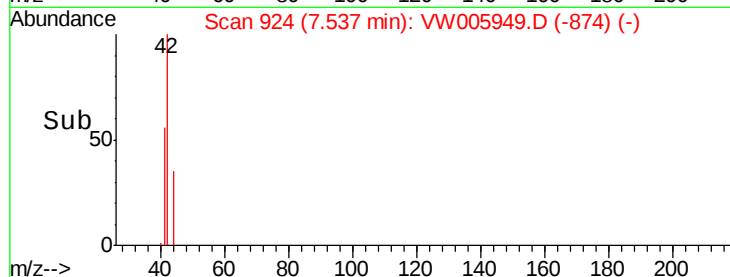
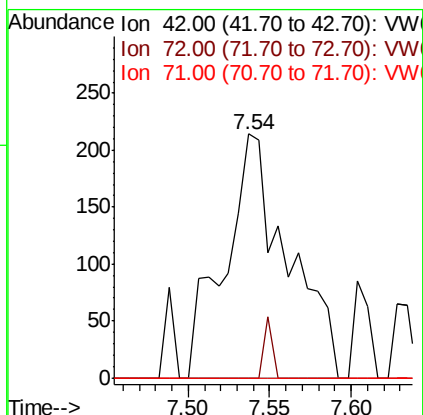
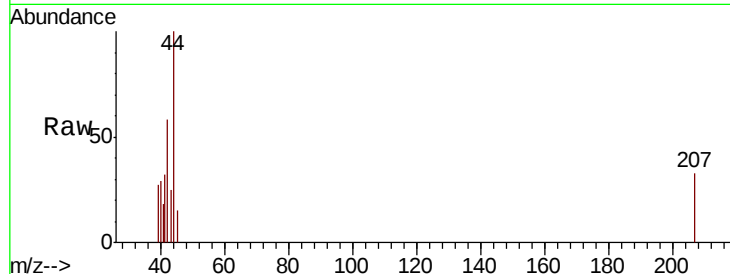




#29
Tetrahydrofuran
Concen: 1.462 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW005949.D
Acq: 09 Oct 2018 20:38

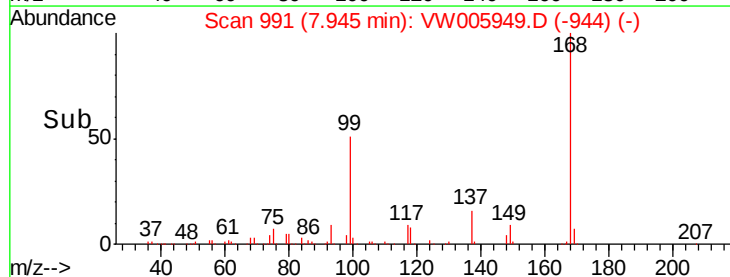
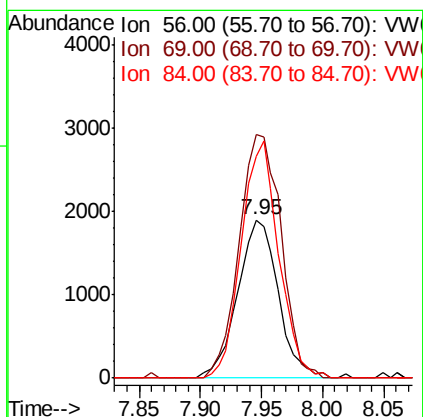
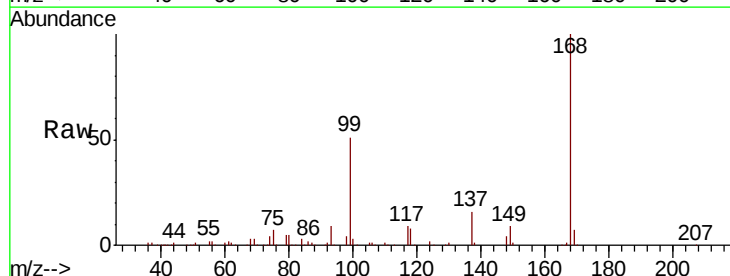
Instrument :
MSVOA_W
ClientSampleId :
VW1010SBL01

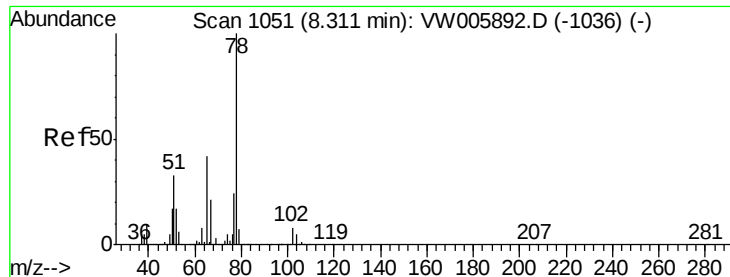
Tgt Ion: 42 Resp: 576
Ion Ratio Lower Upper
42 100
72 3.5 34.6 51.8#
71 0.0 32.6 49.0#



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW005949.D
Acq: 09 Oct 2018 20:38

Tgt Ion: 56 Resp: 4364
Ion Ratio Lower Upper
56 100
69 154.0 27.9 41.9#
84 144.1 72.3 108.5#





#33

1,2-Dichloroethane-d4

Concen: 52.108 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005949.D

Acq: 09 Oct 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

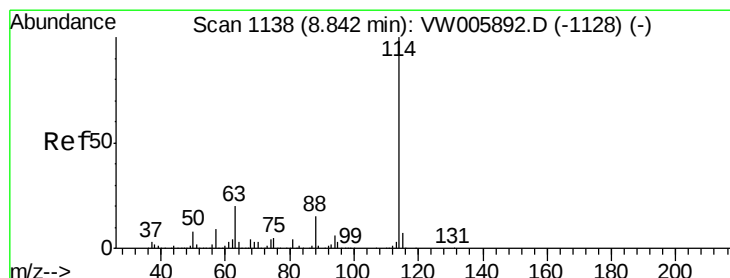
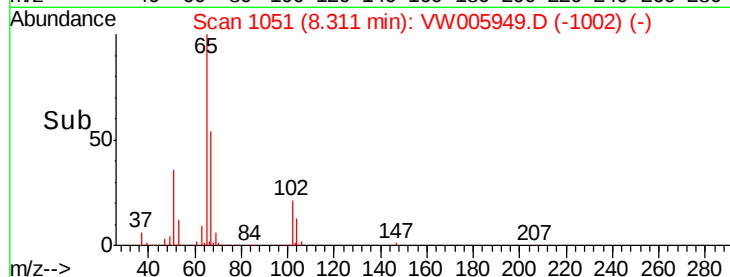
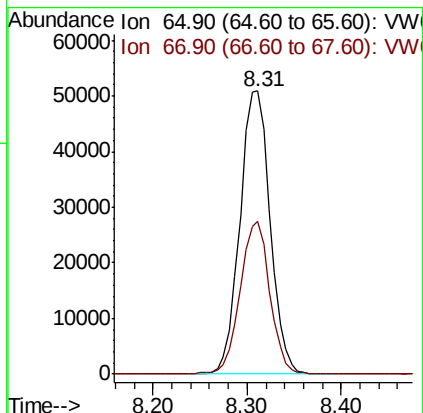
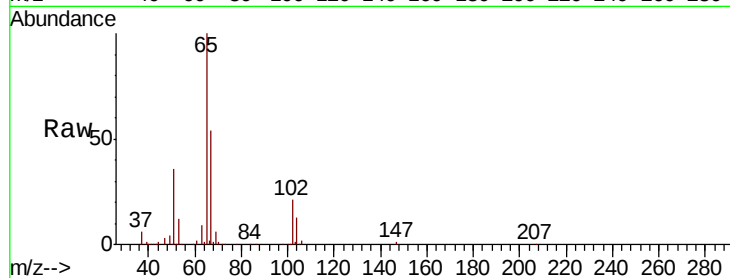
VW1010SBL01

Tgt Ion: 65 Resp: 114279

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW005949.D

Acq: 09 Oct 2018 20:38

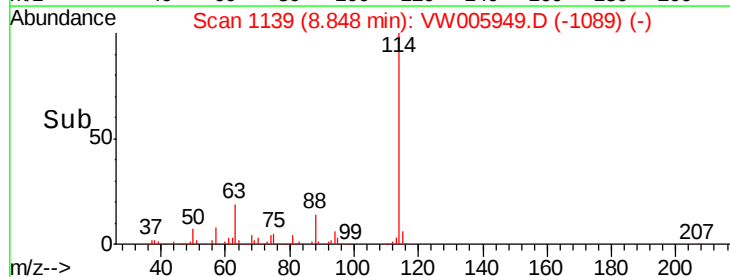
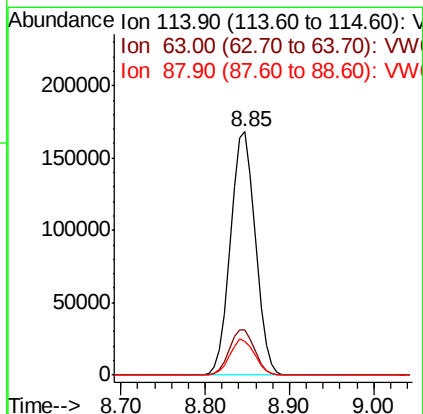
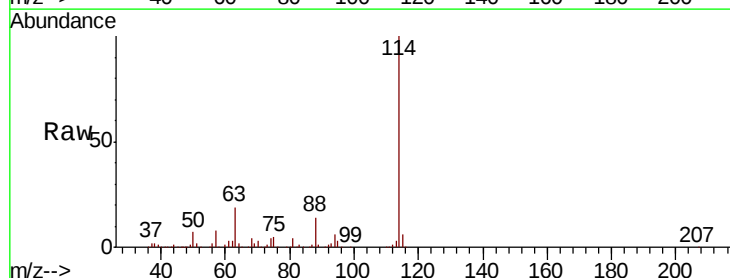
Tgt Ion: 114 Resp: 336206

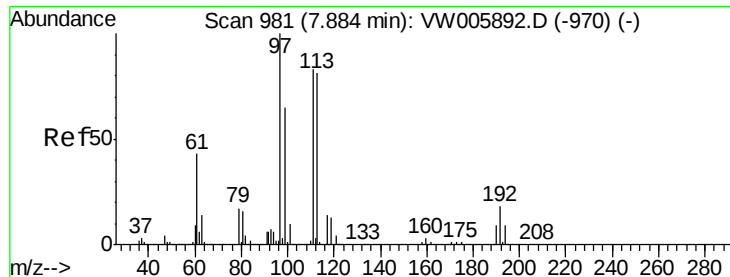
Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.2

88 14.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.183 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW005949.D

Acq: 09 Oct 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBL01

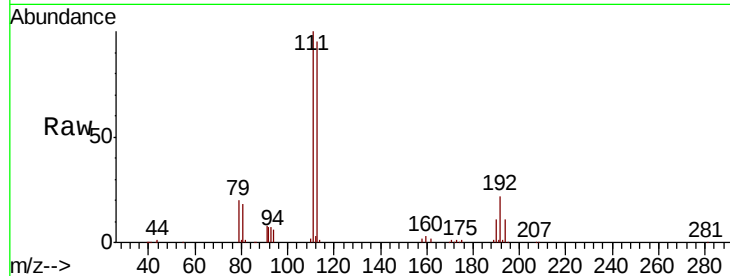
Tgt Ion:113 Resp: 114158

Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

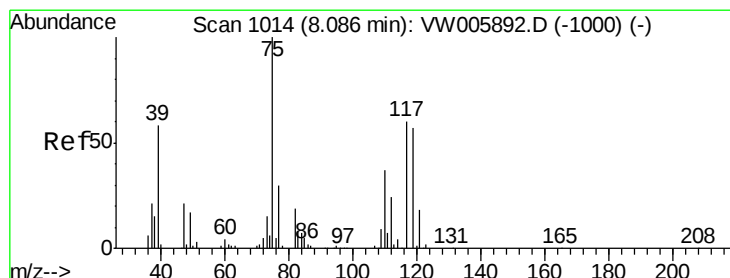
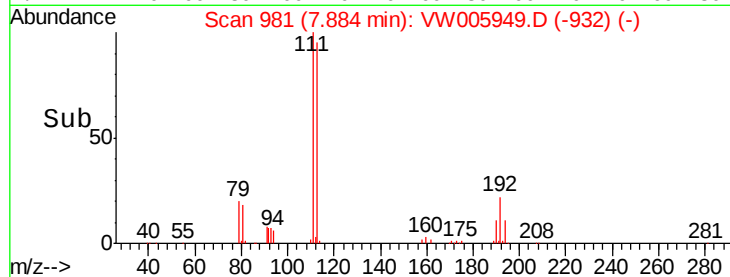
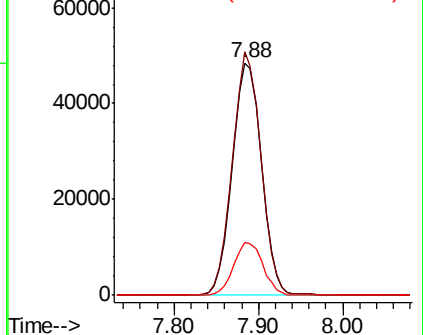
192 22.7 18.3 27.5



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: 4.665 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW005949.D

Acq: 09 Oct 2018 20:38

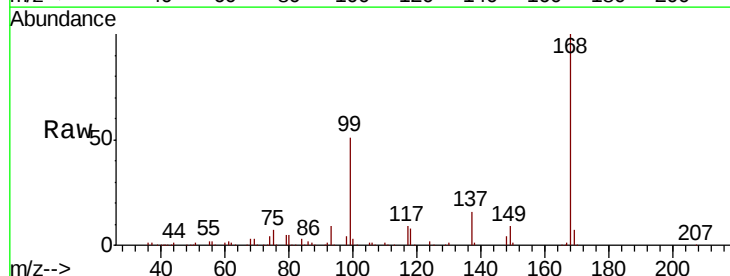
Tgt Ion: 75 Resp: 15027

Ion Ratio Lower Upper

75 100

110 9.5 18.6 56.0#

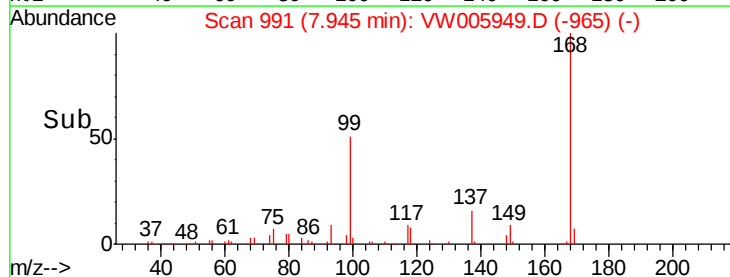
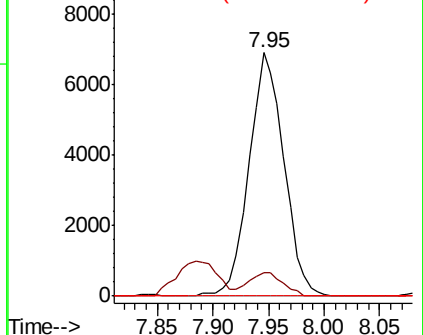
77 0.0 24.7 37.1#

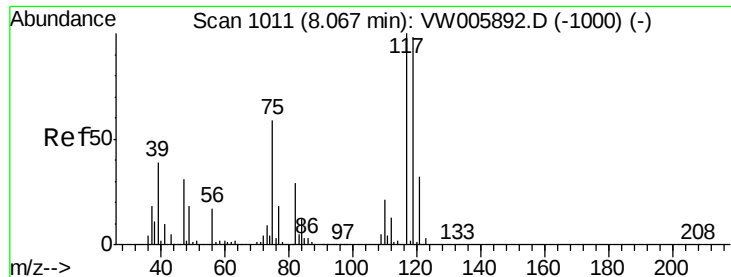


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.965 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005949.D

Acq: 09 Oct 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBL01

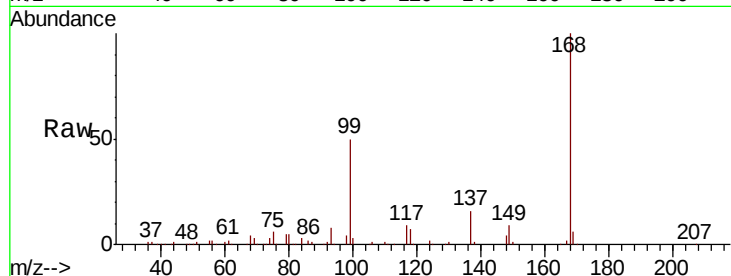
Tgt Ion:117 Resp: 20644

Ion Ratio Lower Upper

117 100

119 4.2 78.6 117.8#

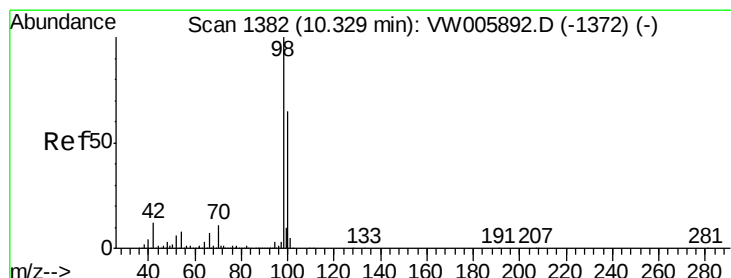
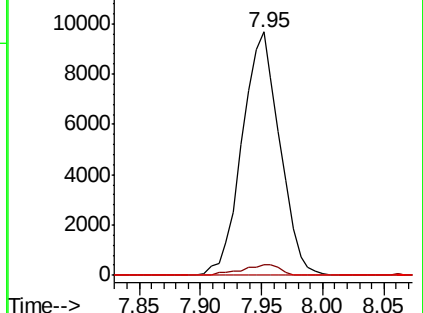
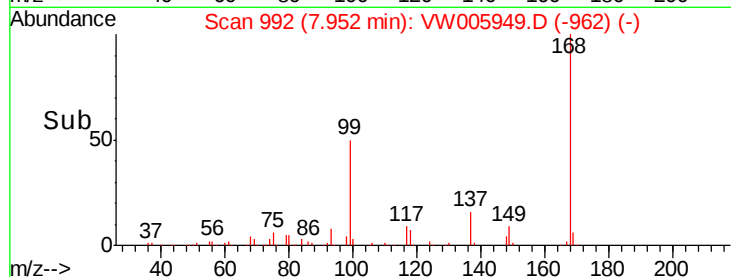
121 0.0 25.3 37.9#



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: 52.712 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW005949.D

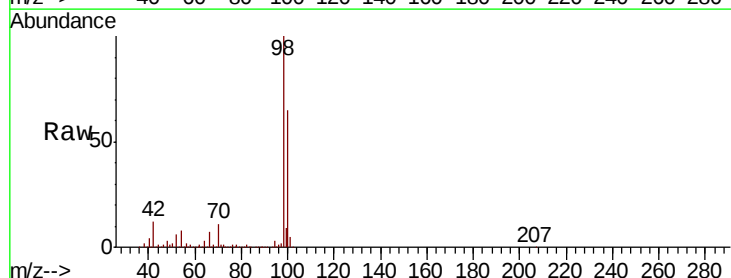
Acq: 09 Oct 2018 20:38

Tgt Ion: 98 Resp: 435331

Ion Ratio Lower Upper

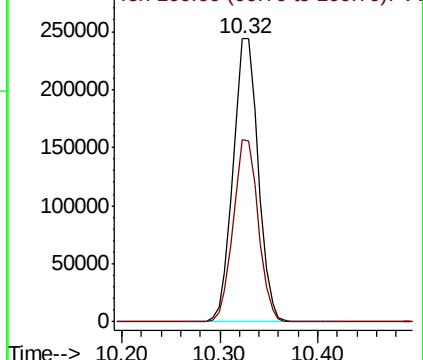
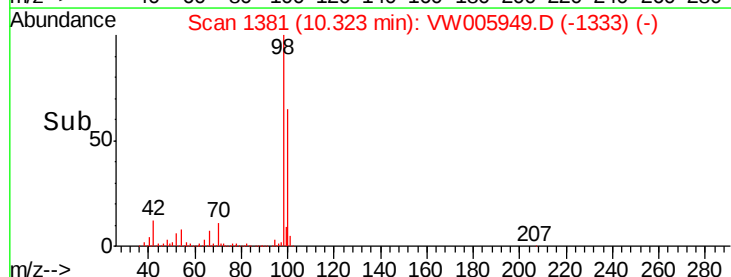
98 100

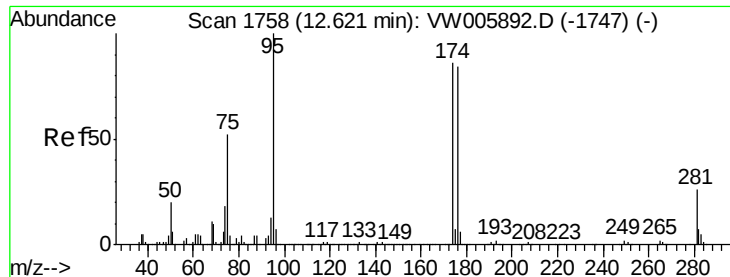
100 64.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

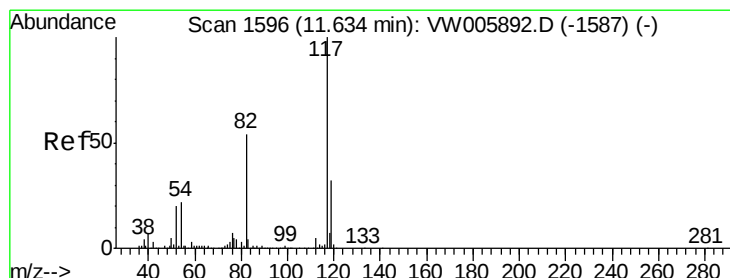
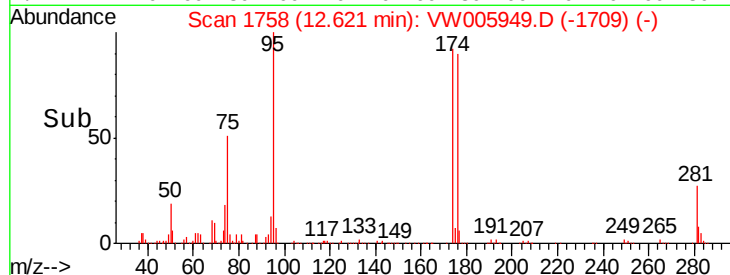
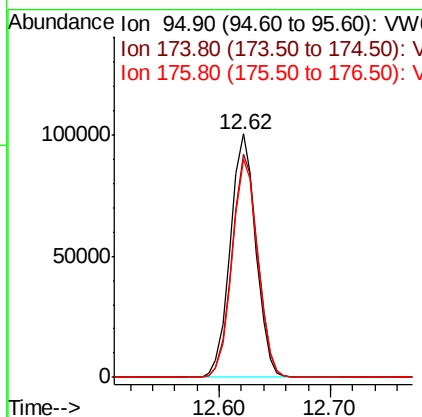
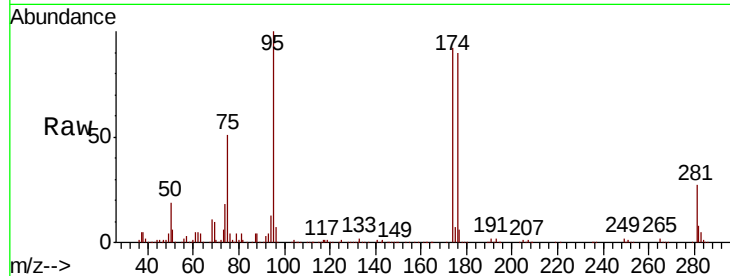




#62
4-Bromofluorobenzene
Concen: 50.746 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005949.D
Acq: 09 Oct 2018 20:38

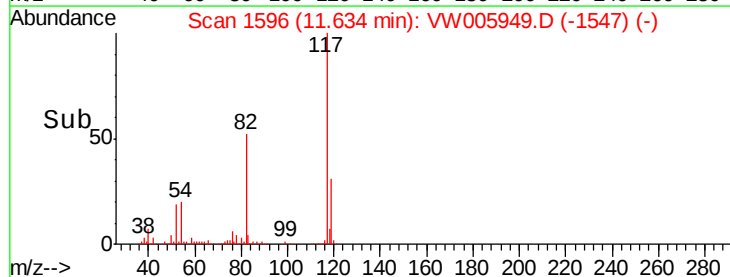
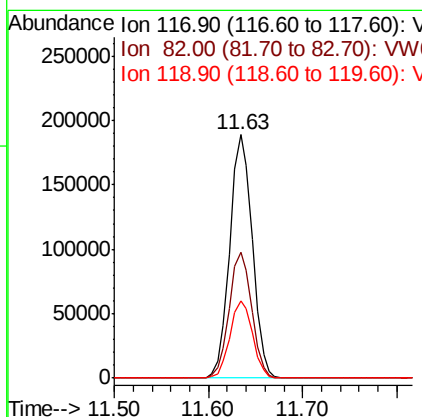
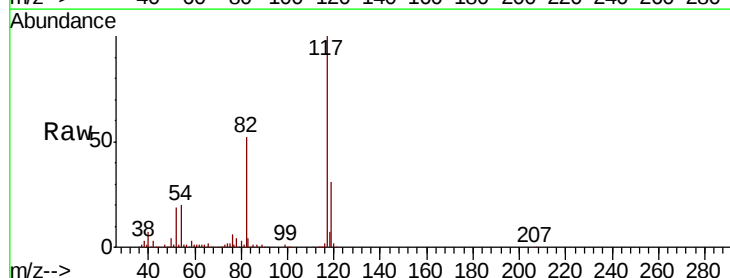
Instrument :
MSVOA_W
ClientSampleId :
VW1010SBL01

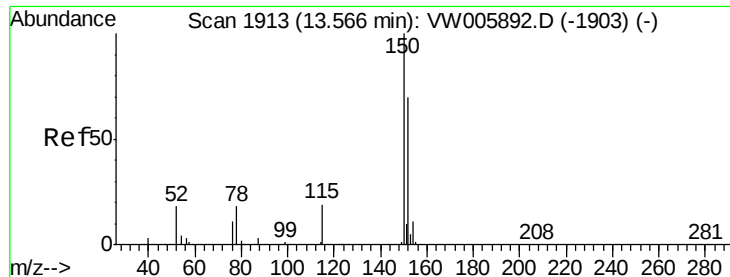
Tgt Ion: 95 Resp: 159449
Ion Ratio Lower Upper
95 100
174 92.1 0.0 176.4
176 89.9 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005949.D
Acq: 09 Oct 2018 20:38

Tgt Ion: 117 Resp: 313277
Ion Ratio Lower Upper
117 100
82 51.6 43.5 65.3
119 31.5 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005949.D

Acq: 09 Oct 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBL01

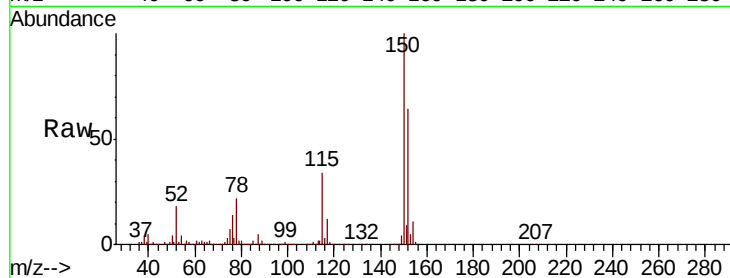
Tgt Ion: 152 Resp: 166889

Ion Ratio Lower Upper

152 100

115 55.7 28.3 85.0

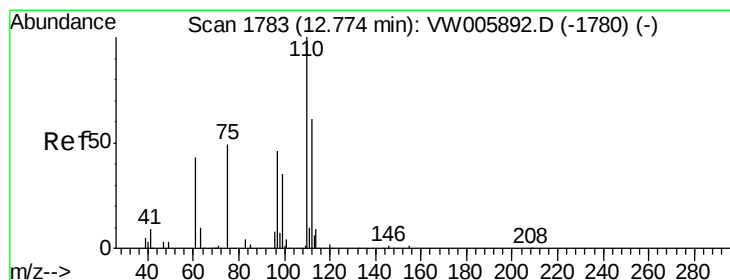
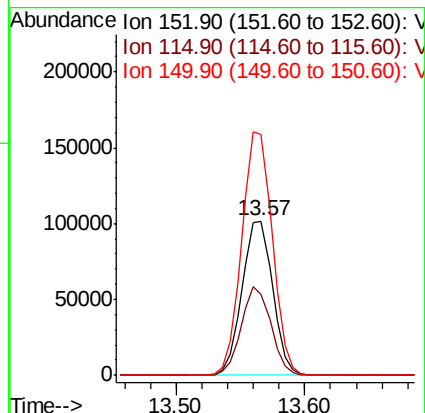
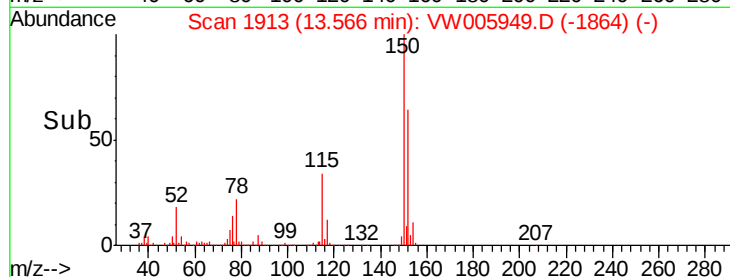
150 157.4 0.0 349.2



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: 54.981 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005949.D

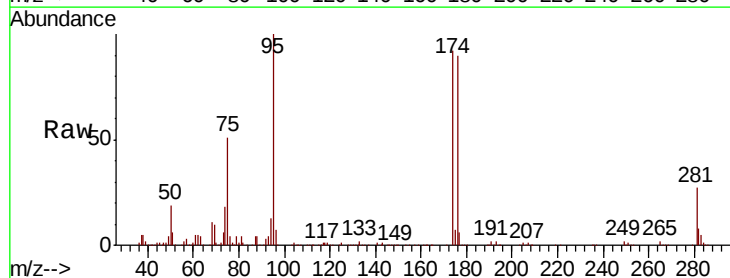
Acq: 09 Oct 2018 20:38

Tgt Ion: 75 Resp: 81964

Ion Ratio Lower Upper

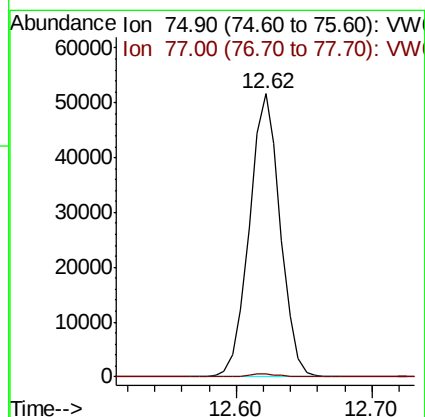
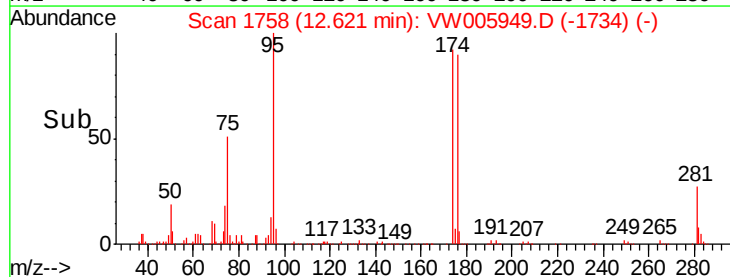
75 100

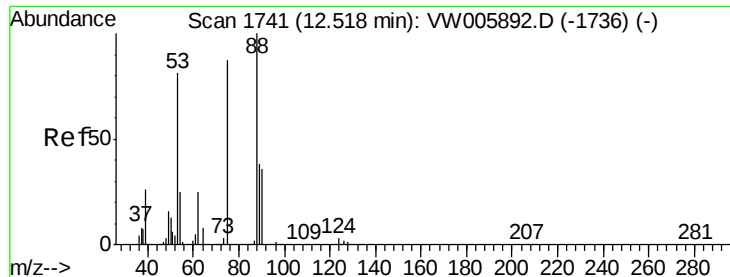
77 1.1 0.0 0.0#



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: 116.070 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005949.D

Acq: 09 Oct 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBL01

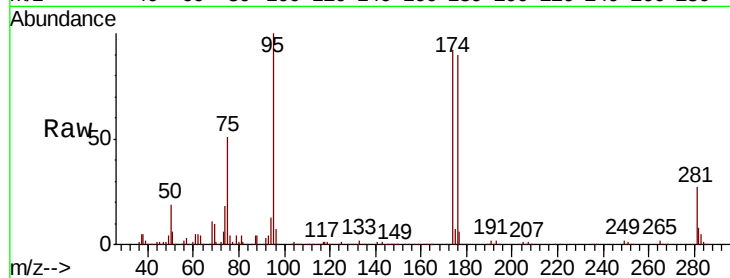
Tgt Ion: 75 Resp: 81964

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 0.2 37.6 56.4#



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

