

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112618\
 Data File : VW007038.D
 Acq On : 26 Nov 2018 11:09
 Operator : VAY/AP
 Sample : VW1126SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1126SBL01

Quant Time: Nov 26 15:08:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	106935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	162538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	153470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	75982	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	53662	51.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.52%	
35) Dibromofluoromethane	7.89	113	49119	53.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.02%	
50) Toluene-d8	10.32	98	223763	55.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.42%	
62) 4-Bromofluorobenzene	12.62	95	87160	54.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.28%	

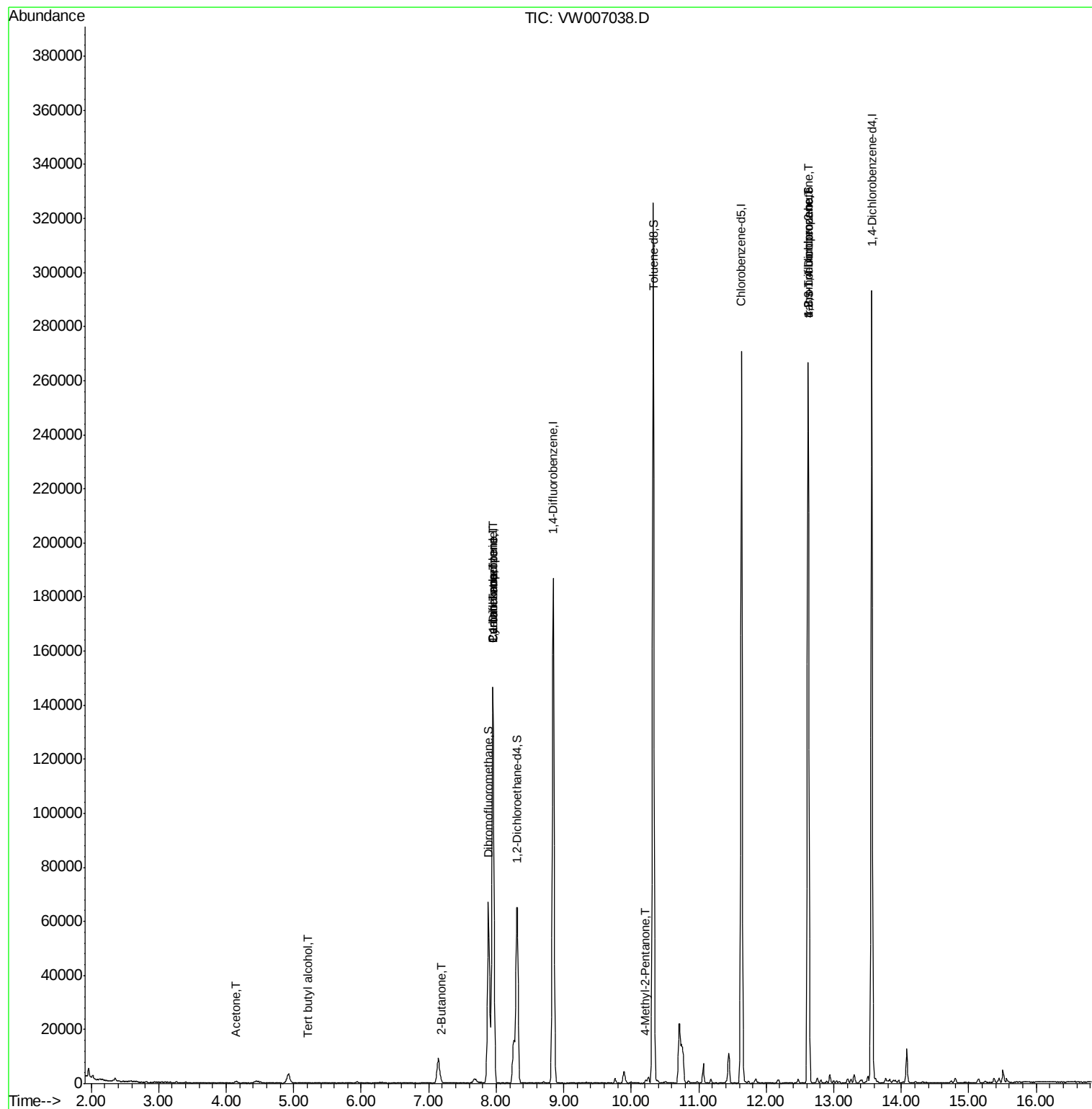
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	241	3.54	ug/l #	71
16) Acetone	4.14	43	1429	9.40	ug/l #	87
20) Methylene Chloride	4.93	84	2677	Below Cal	#	78
25) 2-Butanone	7.19	43	310	1.19	ug/l #	48
31) Cyclohexane	7.95	56	2325	1.15	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8214	5.17	ug/l #	50
38) Carbon Tetrachloride	7.95	117	10945	7.20	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	1128	2.04	ug/l #	73
76) 1,2,3-Trichloropropane	12.62	75	41735	69.90	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	41735	175.49	ug/l #	10

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

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ClientSampleId :
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Quant Time: Nov 26 15:08:32 2018
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Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007038.D

Acq: 26 Nov 2018 11:09

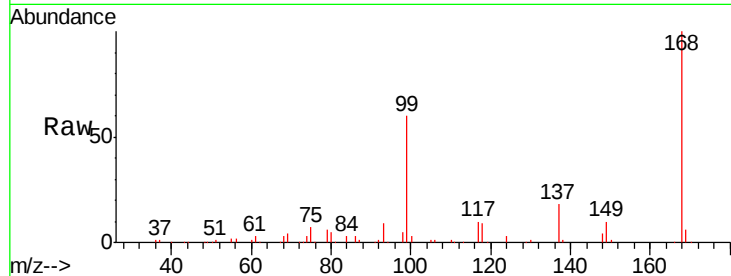
Instrument :
MSVOA_W
ClientSampleId :
VW1126SBL01

Tgt Ion:168 Resp: 106935

Ion Ratio Lower Upper

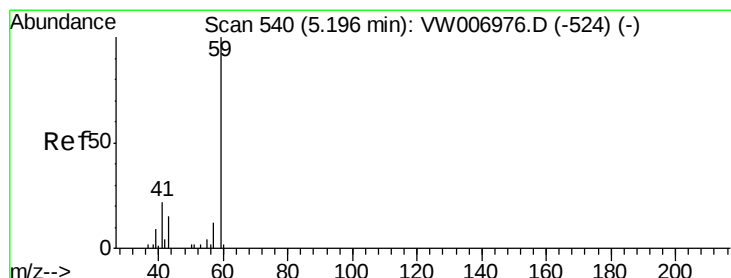
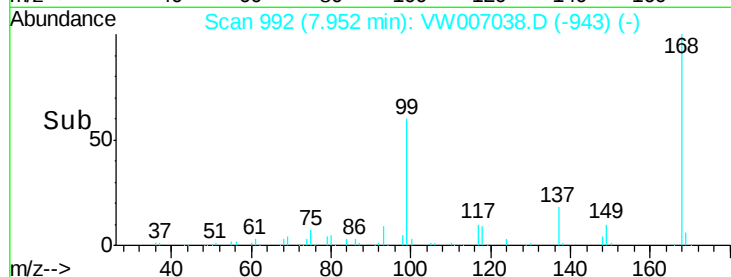
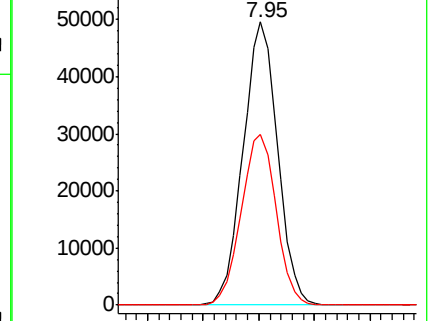
168 100

99 60.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.54 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.02 min

Lab File: VW007038.D

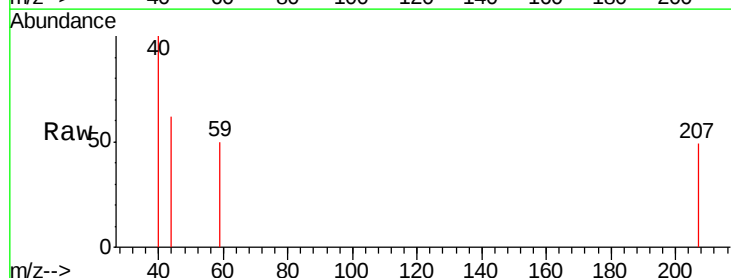
Acq: 26 Nov 2018 11:09

Tgt Ion: 59 Resp: 241

Ion Ratio Lower Upper

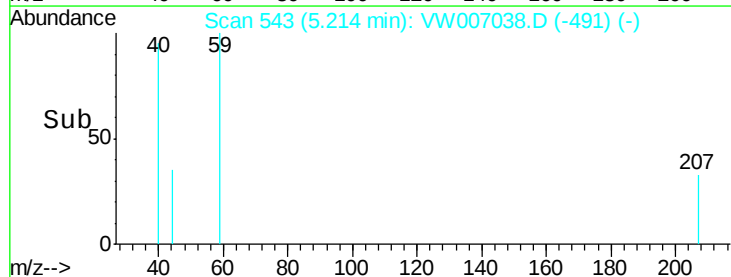
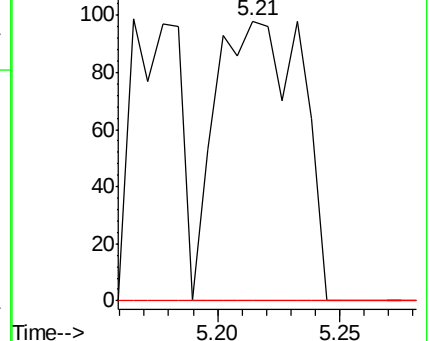
59 100

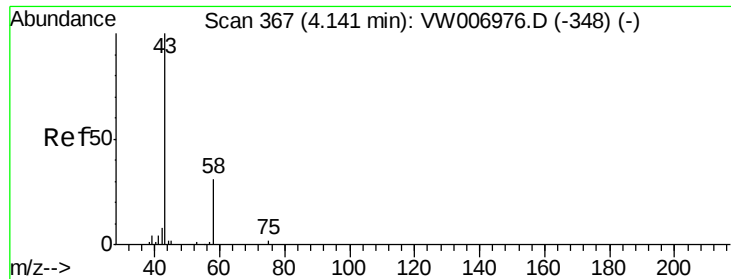
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 9.40 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW007038.D

Acq: 26 Nov 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

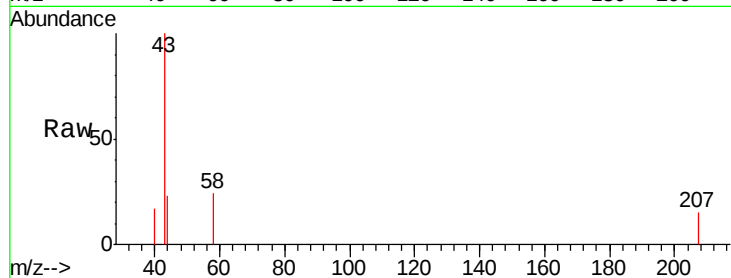
VW1126SBL01

Tgt Ion: 43 Resp: 1429

Ion Ratio Lower Upper

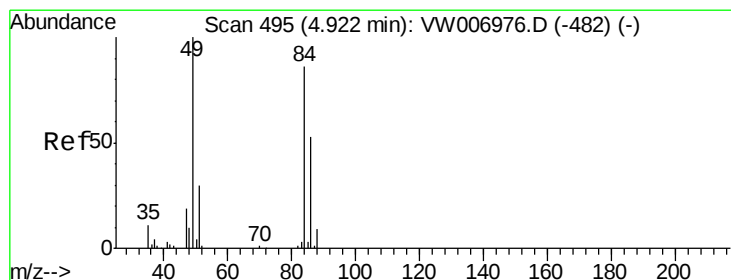
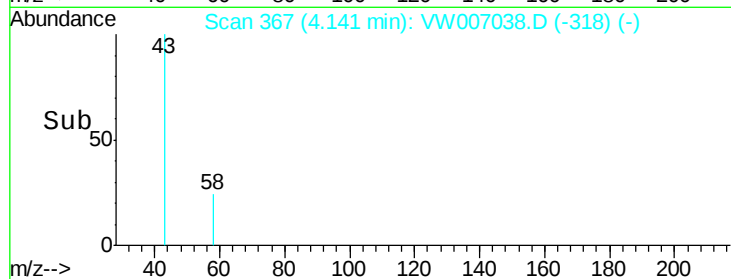
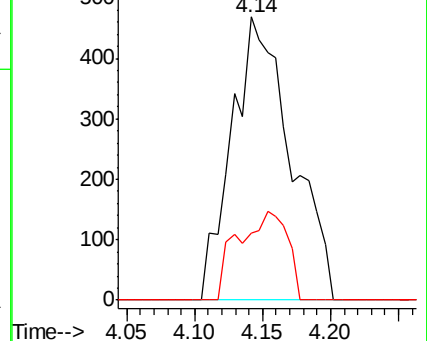
43 100

58 23.7 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW007038.D

Acq: 26 Nov 2018 11:09

Tgt Ion: 84 Resp: 2677

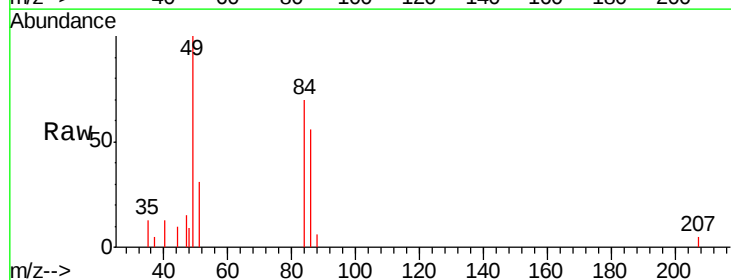
Ion Ratio Lower Upper

84 100

49 142.6 93.4 140.0#

51 44.4 28.4 42.6#

86 80.5 49.8 74.8#

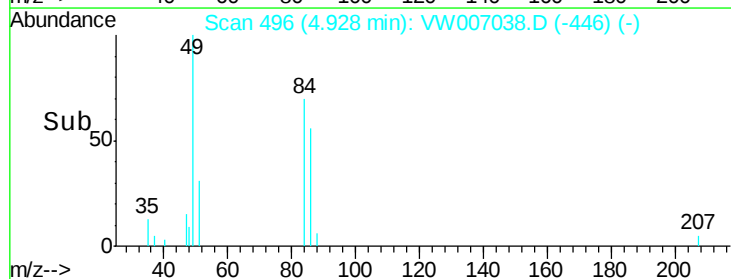
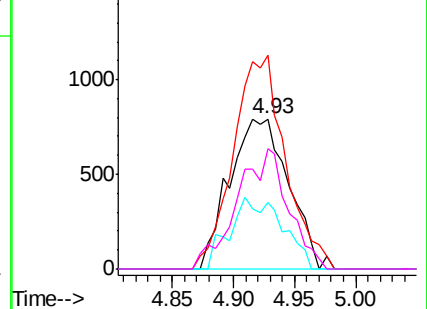


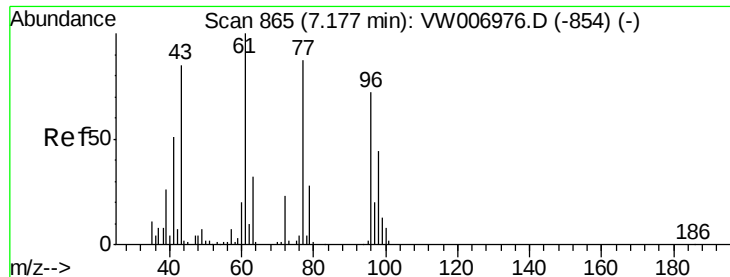
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.19 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW007038.D

Acq: 26 Nov 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

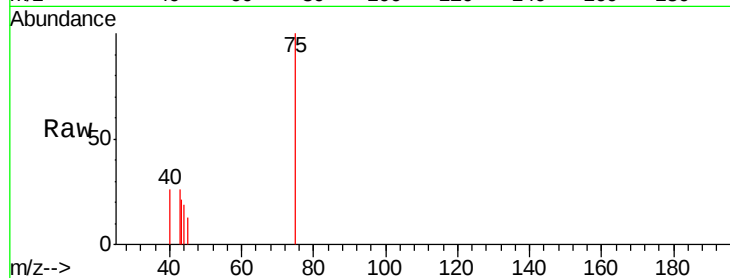
VW1126SBL01

Tgt Ion: 43 Resp: 310

Ion Ratio Lower Upper

43 100

72 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.19

250

200

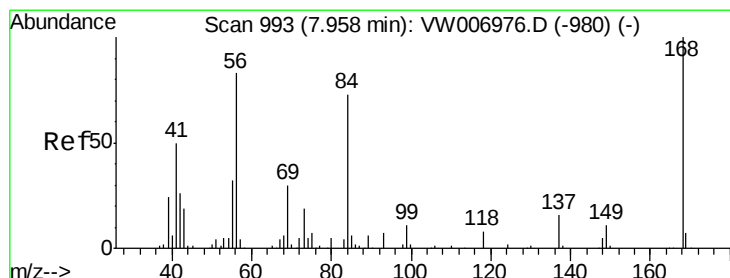
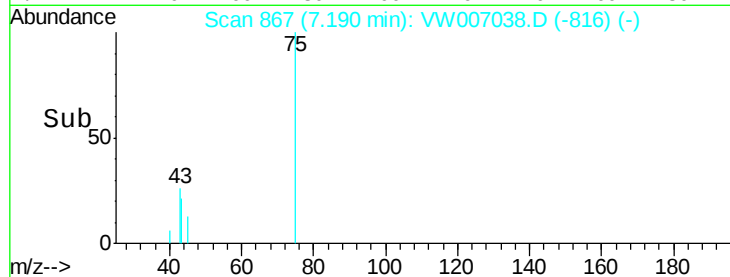
150

100

50

0

Time-->



#31

Cyclohexane

Concen: 1.15 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007038.D

Acq: 26 Nov 2018 11:09

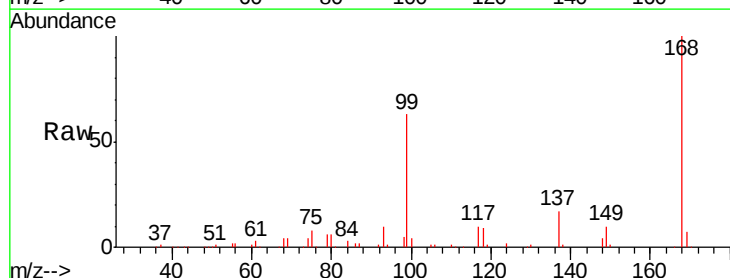
Tgt Ion: 56 Resp: 2325

Ion Ratio Lower Upper

56 100

69 170.7 29.1 43.7#

84 132.6 70.6 105.8#



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

2000

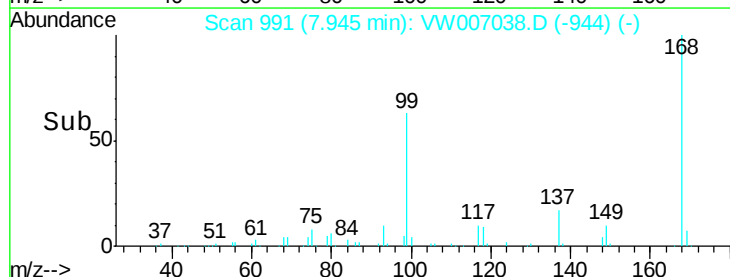
1500

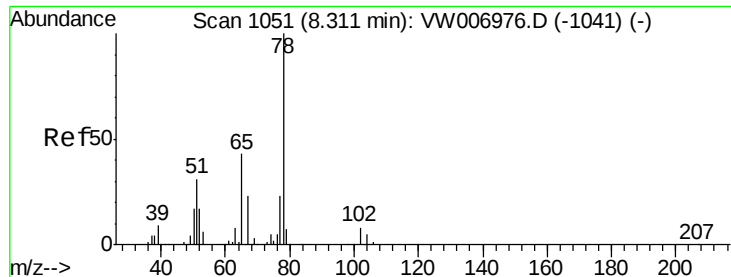
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.26 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW007038.D

Acq: 26 Nov 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

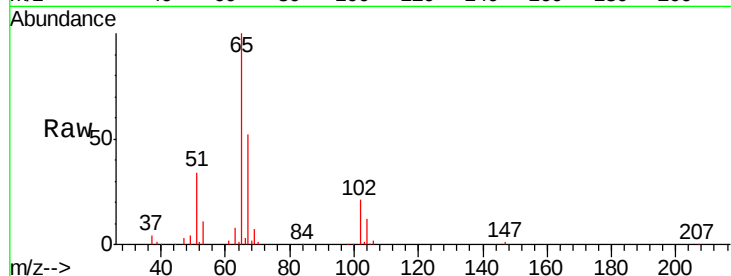
VW1126SBL01

Tgt Ion: 65 Resp: 53662

Ion Ratio Lower Upper

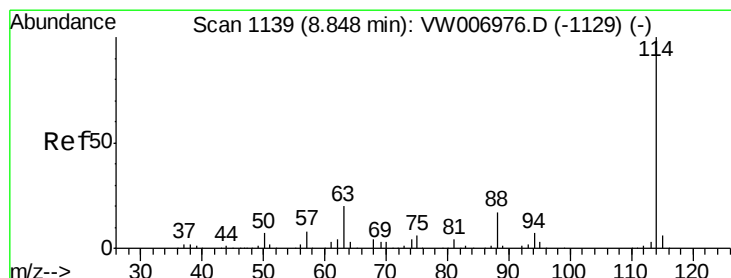
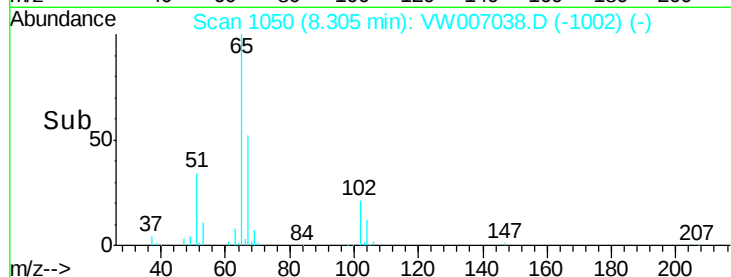
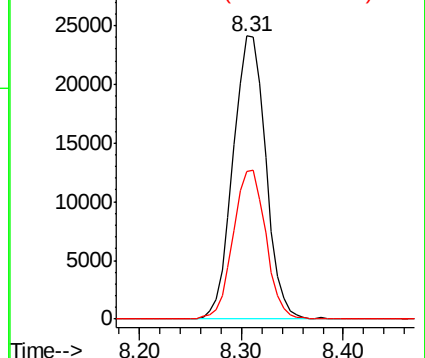
65 100

67 52.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW007038.D

Acq: 26 Nov 2018 11:09

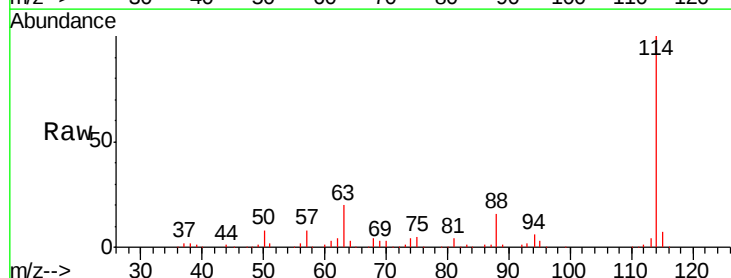
Tgt Ion: 114 Resp: 162538

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

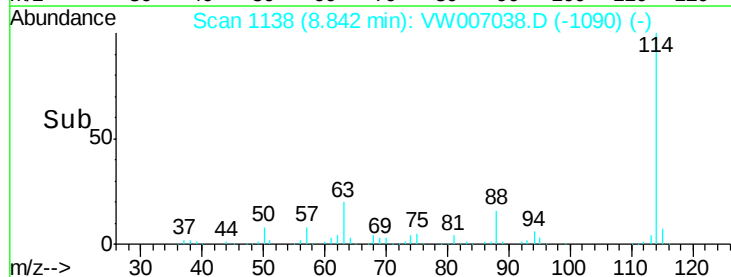
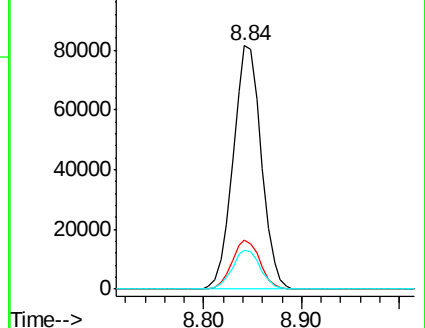
88 15.9 0.0 34.2

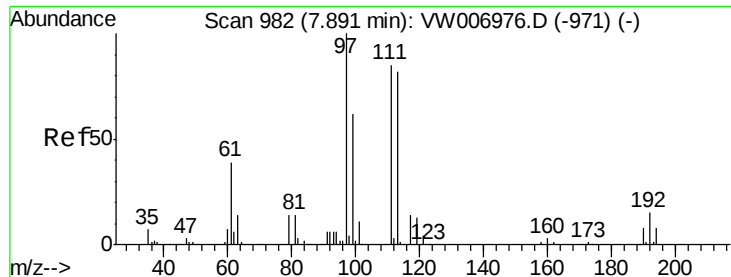


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 53.51 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW007038.D

Acq: 26 Nov 2018 11:09

Instrument :
MSVOA_W
ClientSampleId :
VW1126SBL01

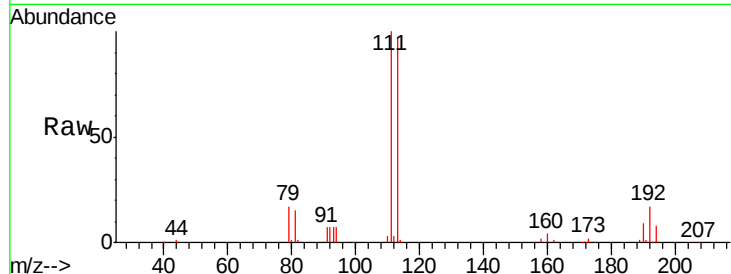
Tgt Ion:113 Resp: 49119

Ion Ratio Lower Upper

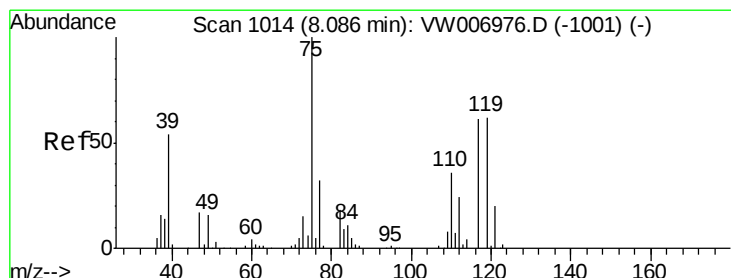
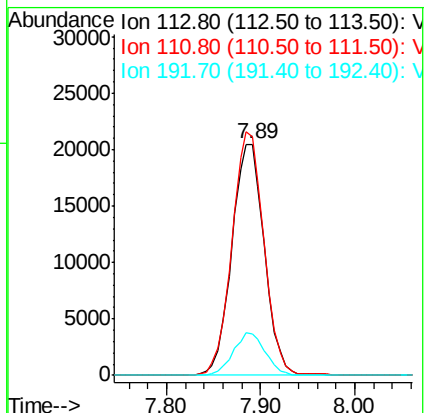
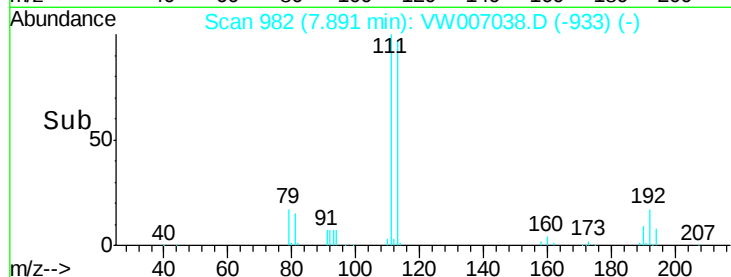
113 100

111 103.4 81.0 121.6

192 17.9 15.0 22.6



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: 5.17 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW007038.D

Acq: 26 Nov 2018 11:09

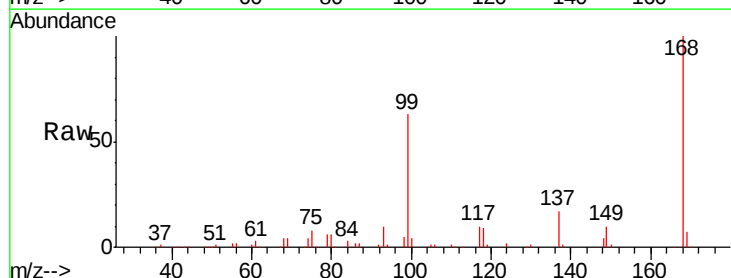
Tgt Ion: 75 Resp: 8214

Ion Ratio Lower Upper

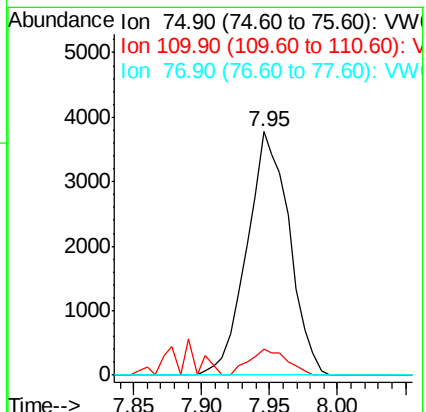
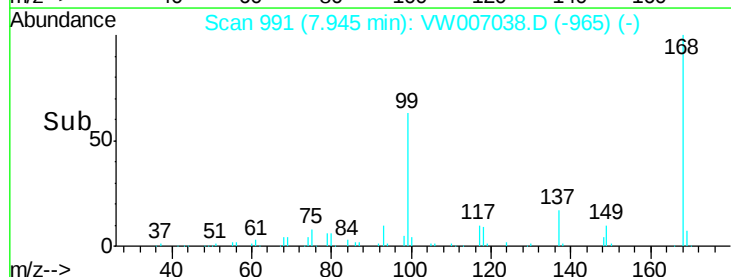
75 100

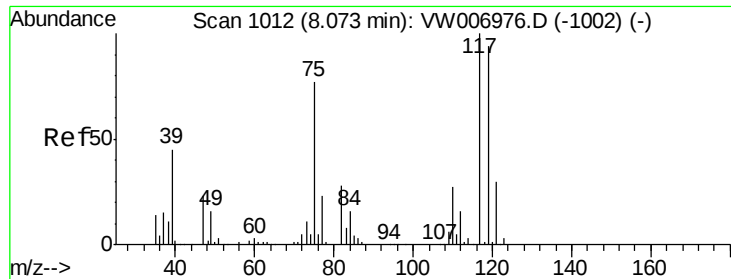
110 9.6 18.0 54.0#

77 0.0 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

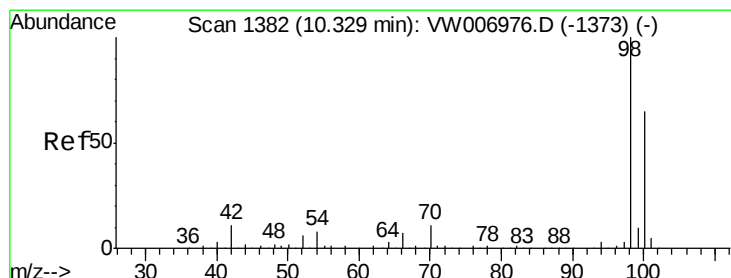
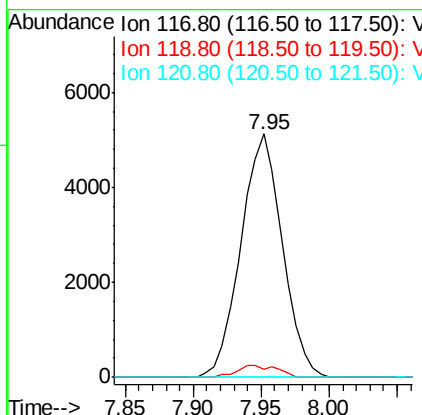
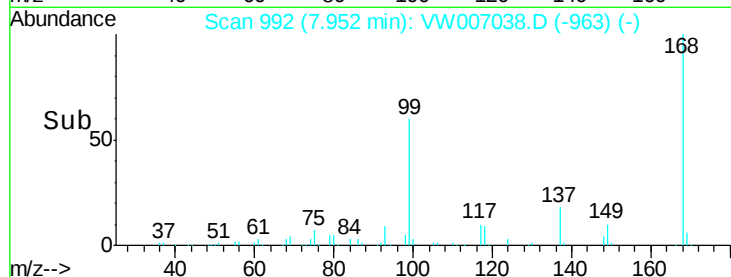
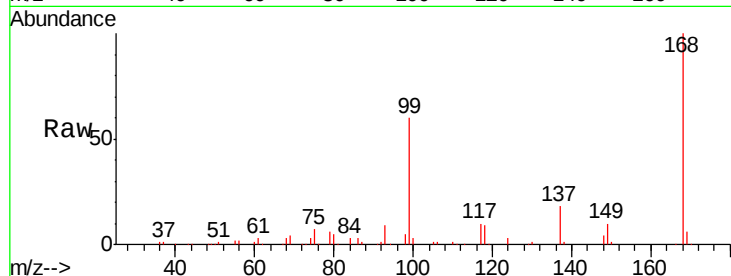




#38
Carbon Tetrachloride
Concen: 7.20 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007038.D
Acq: 26 Nov 2018 11:09

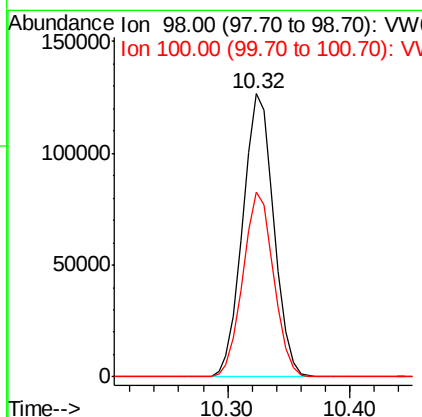
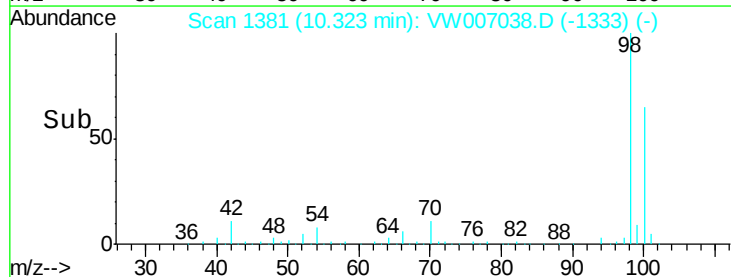
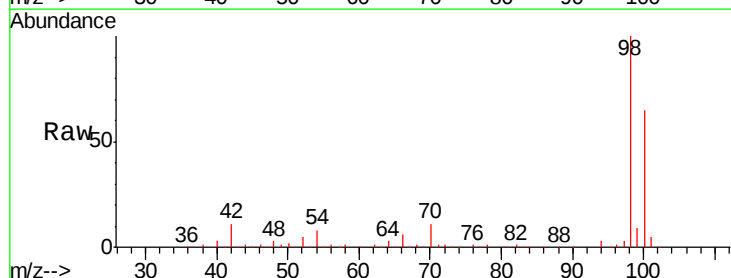
Instrument :
MSVOA_W
ClientSampleId :
VW1126SBL01

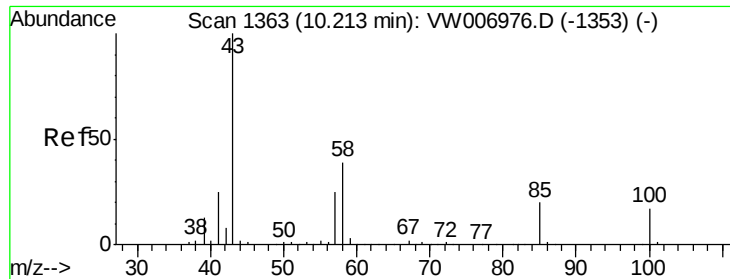
Tgt Ion: 117 Resp: 10945
Ion Ratio Lower Upper
117 100
119 3.4 74.9 112.3#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 55.21 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007038.D
Acq: 26 Nov 2018 11:09

Tgt Ion: 98 Resp: 223763
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 2.04 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007038.D

Acq: 26 Nov 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

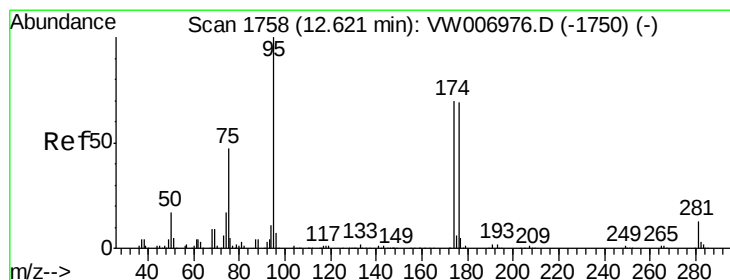
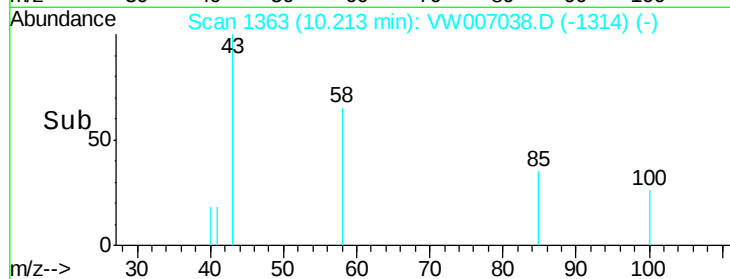
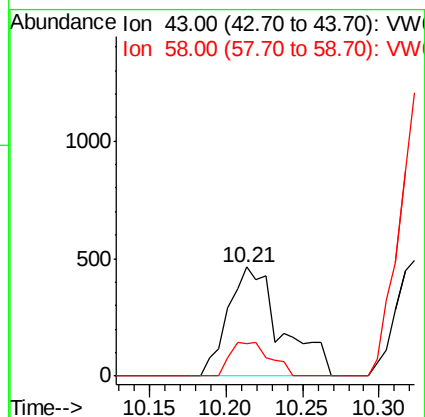
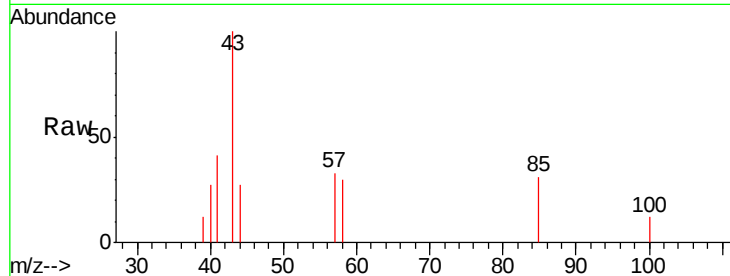
VW1126SBL01

Tgt Ion: 43 Resp: 1128

Ion Ratio Lower Upper

43 100

58 23.0 31.8 47.6#



#62

4-Bromofluorobenzene

Concen: 54.64 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007038.D

Acq: 26 Nov 2018 11:09

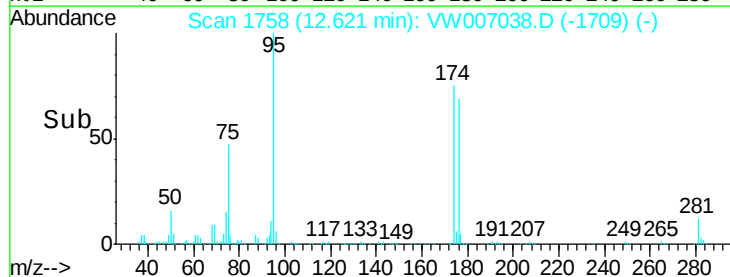
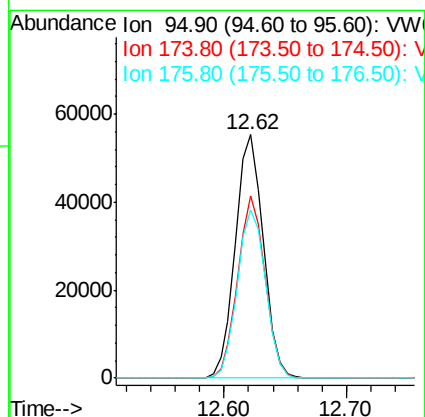
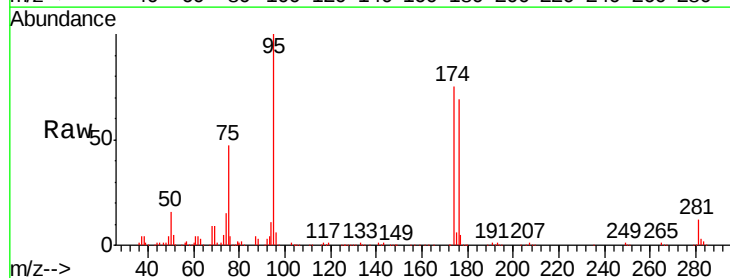
Tgt Ion: 95 Resp: 87160

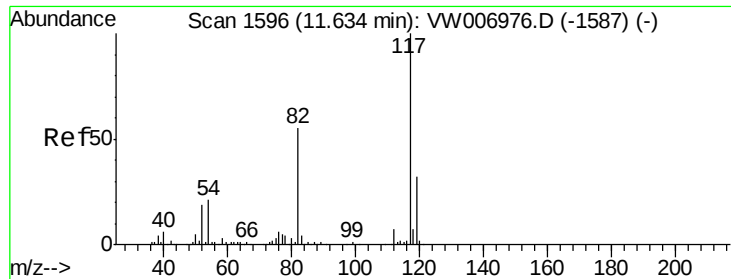
Ion Ratio Lower Upper

95 100

174 73.0 0.0 143.6

176 69.8 0.0 140.4

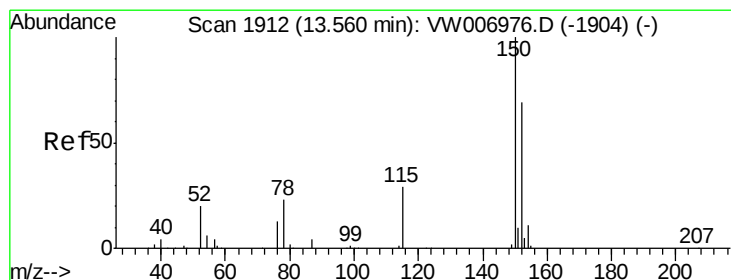
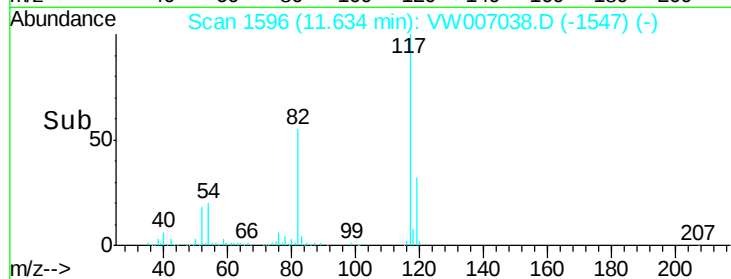
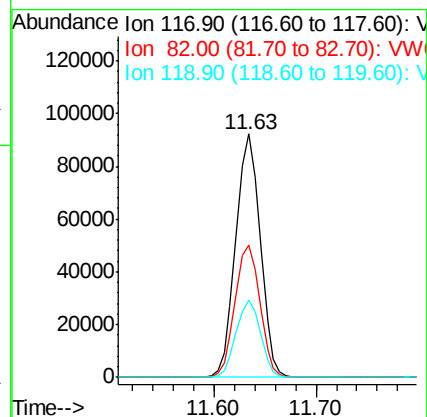
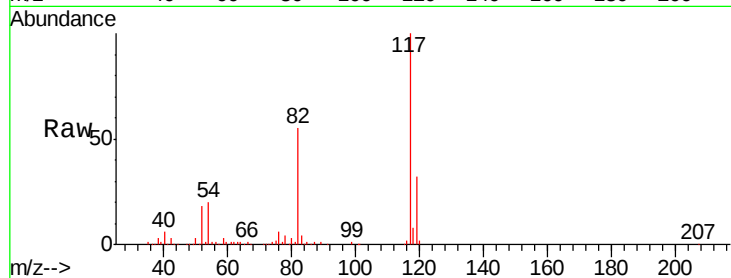




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007038.D
Acq: 26 Nov 2018 11:09

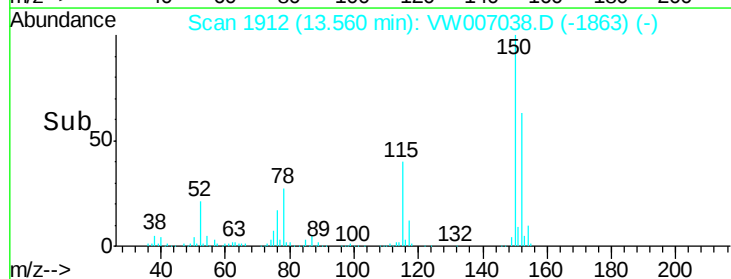
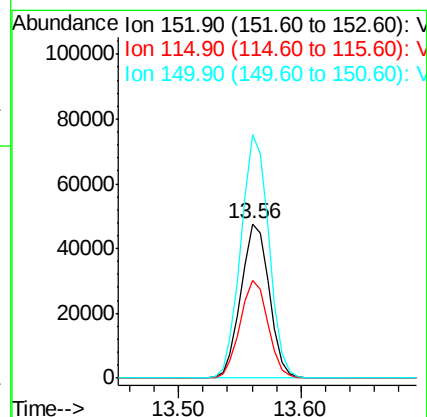
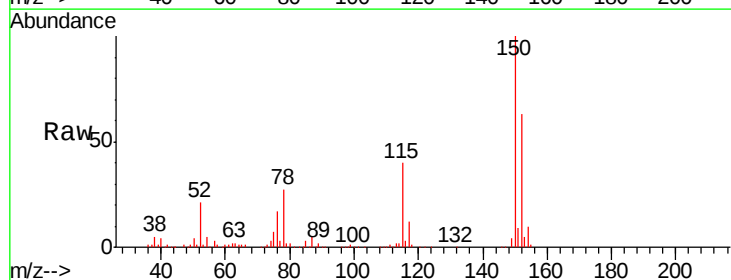
Instrument :
MSVOA_W
ClientSampleId :
VW1126SBL01

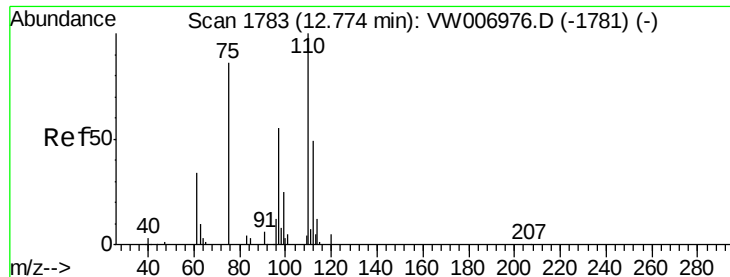
Tgt Ion:117 Resp: 153470
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 31.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007038.D
Acq: 26 Nov 2018 11:09

Tgt Ion:152 Resp: 75982
Ion Ratio Lower Upper
152 100
115 62.6 31.4 94.2
150 156.7 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 69.90 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007038.D

Acq: 26 Nov 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

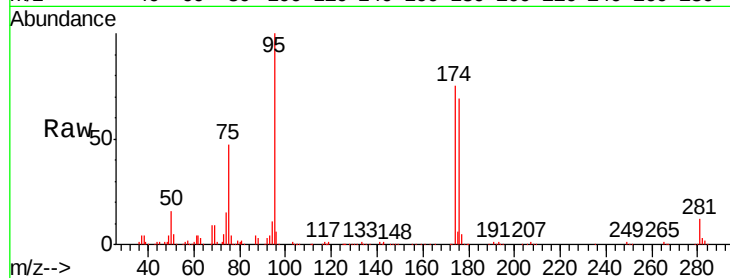
VW1126SBL01

Tgt Ion: 75 Resp: 41735

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

25000

20000

15000

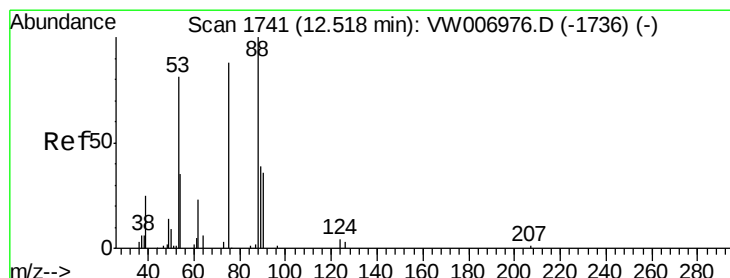
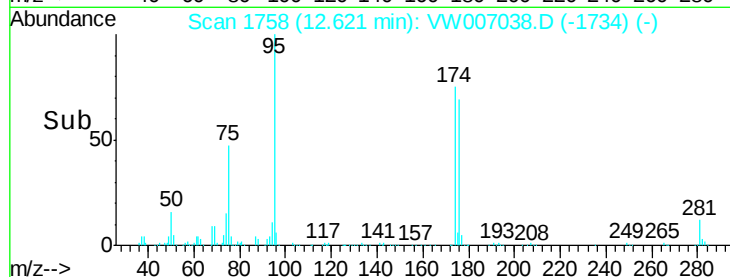
10000

5000

0

Time-->

12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 175.49 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007038.D

Acq: 26 Nov 2018 11:09

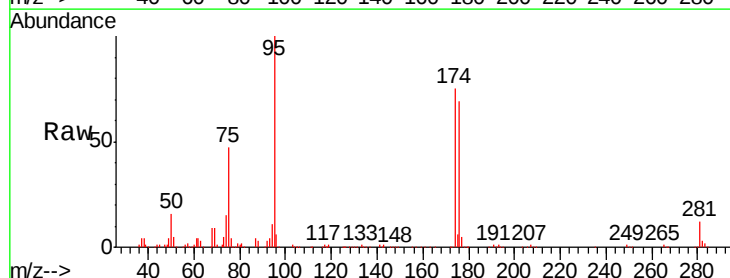
Tgt Ion: 75 Resp: 41735

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 39.3 58.9#



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

12.62

30000

20000

10000

0

Time-->

12.55 12.60 12.65 12.70

