

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007015.D
 Acq On : 21 Nov 2018 21:47
 Operator : VAY/AP
 Sample : J5772-03RE
 Misc : 5.43G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 22 04:40:04 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	7.96	168	7854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	11888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	5550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	2937	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	4327	56.27	ug/l	0.00
Spiked Amount			Recovery	=	112.54%	
35) Dibromofluoromethane	7.88	113	3855	57.42	ug/l	0.00
Spiked Amount			Recovery	=	114.84%	
50) Toluene-d8	10.33	98	2775	9.36	ug/l	0.00
Spiked Amount			Recovery	=	18.72%	
62) 4-Bromofluorobenzene	12.62	95	3547	30.40	ug/l	0.00
Spiked Amount			Recovery	=	60.80%	

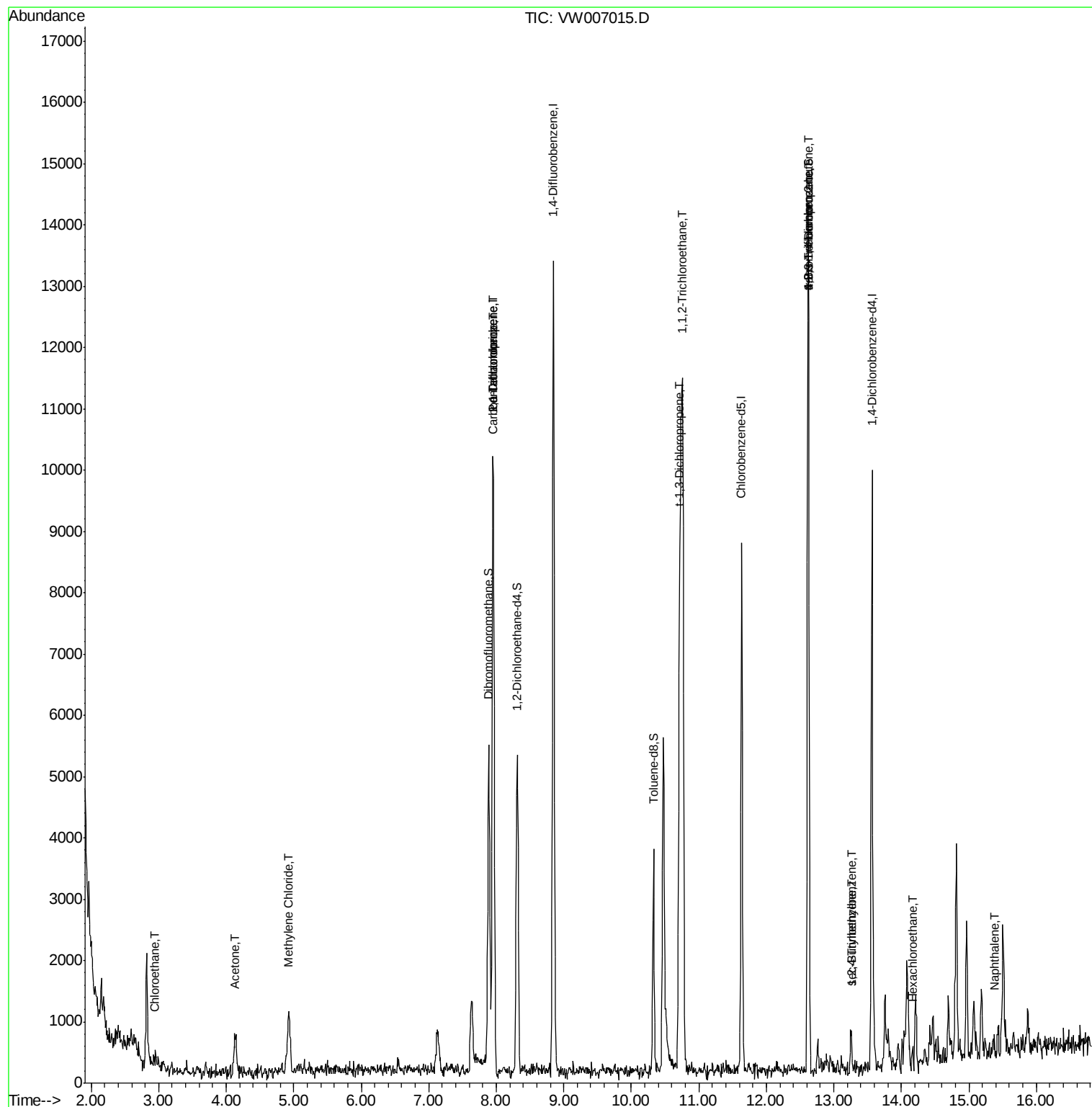
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.93	64	205	5.849	ug/l #	43
16) Acetone	4.13	43	1236	110.714	ug/l #	88
20) Methylene Chloride	4.93	84	811	4.166	ug/l #	71
36) 1,1-Dichloropropene	7.95	75	562	4.838	ug/l #	44
38) Carbon Tetrachloride	7.96	117	837	7.524	ug/l #	13
53) t-1,3-Dichloropropene	10.71	75	170	1.721	ug/l #	44
55) 1,1,2-Trichloroethane	10.76	97	230	4.038	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	1669	72.318	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	1669	181.560	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	592	3.010	ug/l	94
85) sec-Butylbenzene	13.26	105	592	2.452	ug/l #	57
90) Hexachloroethane	14.16	117	147	4.727	ug/l #	14
95) Naphthalene	15.38	128	131	1.248	ug/l #	69

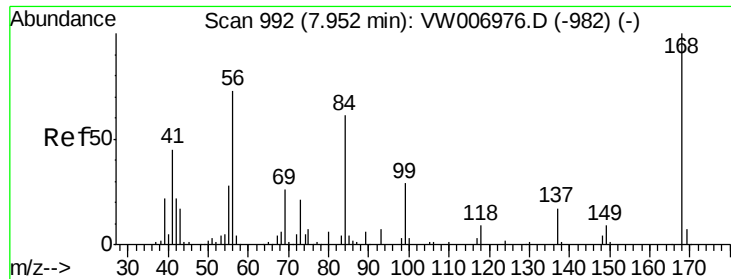
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007015.D

Acq: 21 Nov 2018 21:47

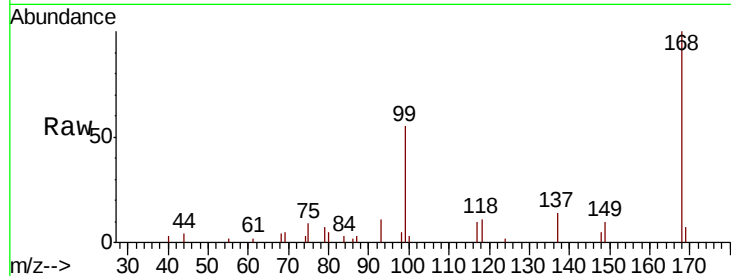
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 7854

Ion Ratio Lower Upper

168 100

99 55.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

3000

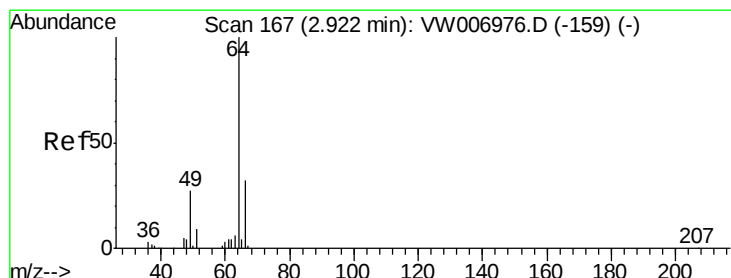
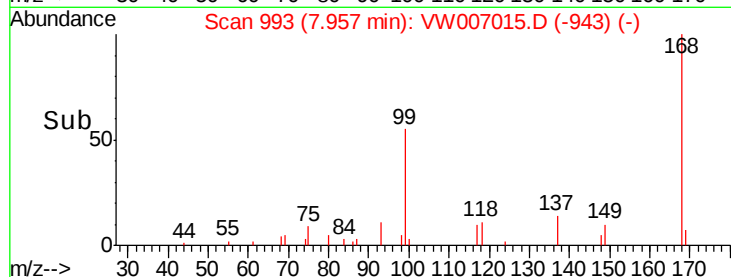
2000

1000

0

Time-->

7.90 7.95 8.00



#6

Chloroethane

Concen: 5.849 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007015.D

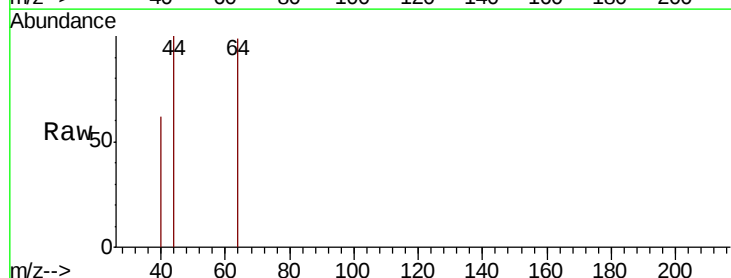
Acq: 21 Nov 2018 21:47

Tgt Ion: 64 Resp: 205

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

150

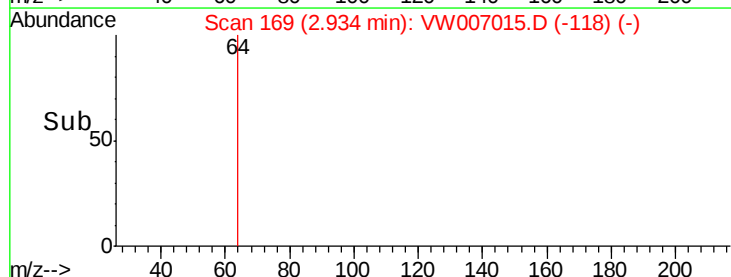
100

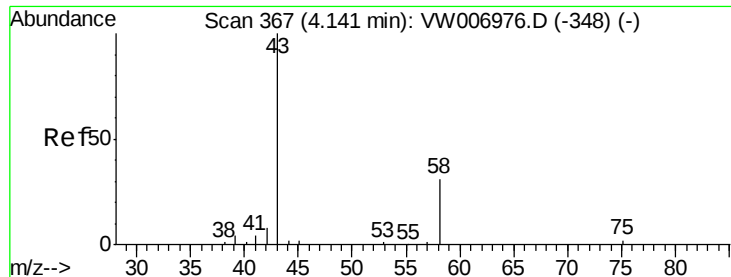
50

0

Time-->

2.92 2.94 2.96





#16

Acetone

Concen: 110.714 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW007015.D

Acq: 21 Nov 2018 21:47

Instrument :

MSVOA_W

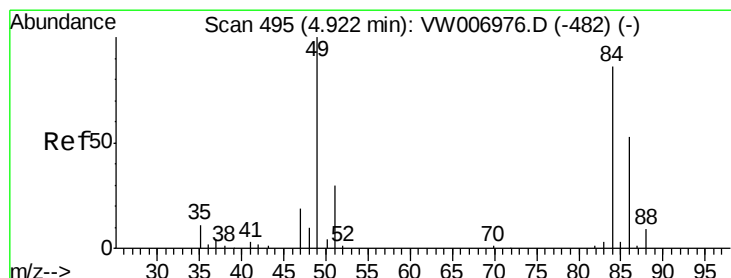
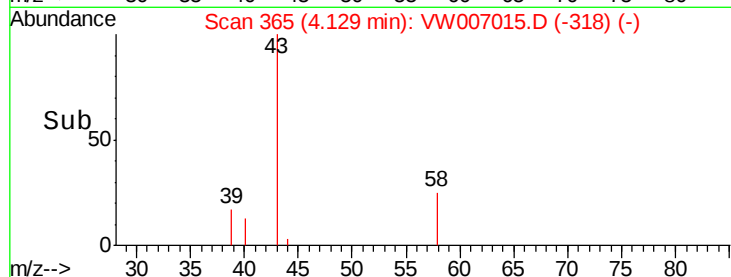
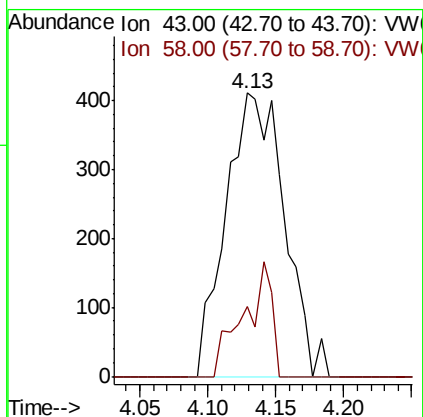
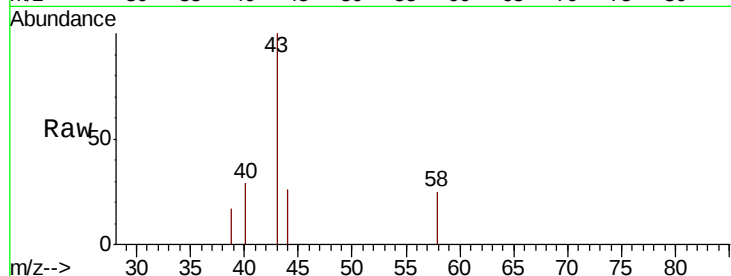
ClientSampleId :

Tot Ion: 43 Resp: 1236

Ion Ratio Lower Upper

43 100

58 24.6 24.8 37.2#



#20

Methylene Chloride

Concen: 4.166 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW007015.D

Acq: 21 Nov 2018 21:47

Tgt Ion: 84 Resp: 811

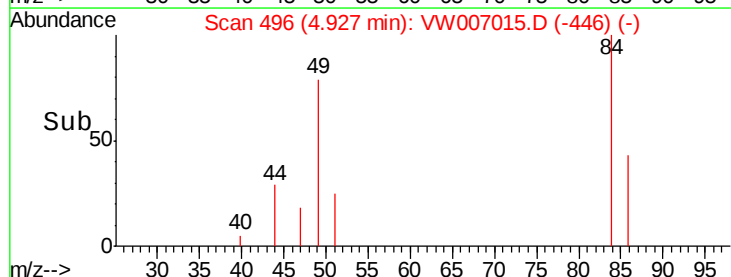
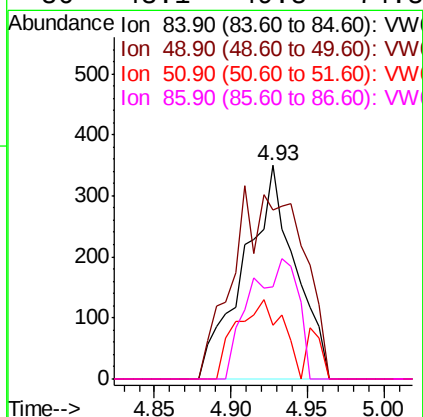
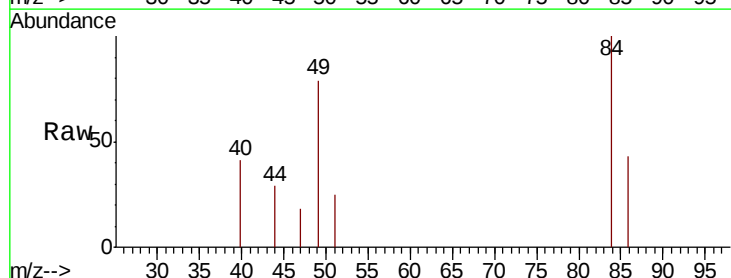
Ion Ratio Lower Upper

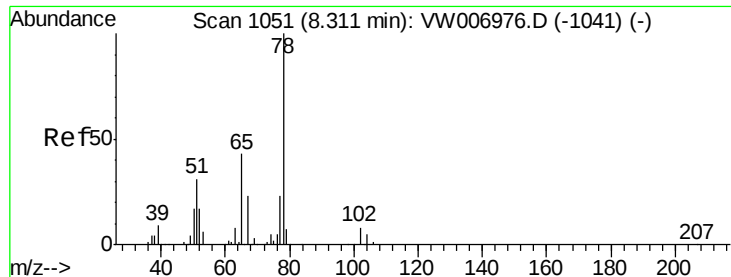
84 100

49 79.1 93.4 140.0#

51 25.1 28.4 42.6#

86 43.1 49.8 74.8#





#33

1,2-Dichloroethane-d4

Concen: 56.274 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VW007015.D

Acq: 21 Nov 2018 21:47

Instrument :

MSVOA_W

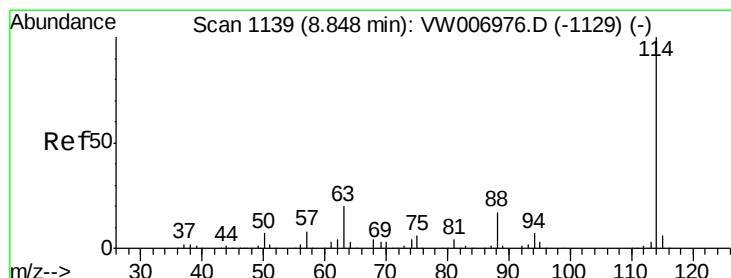
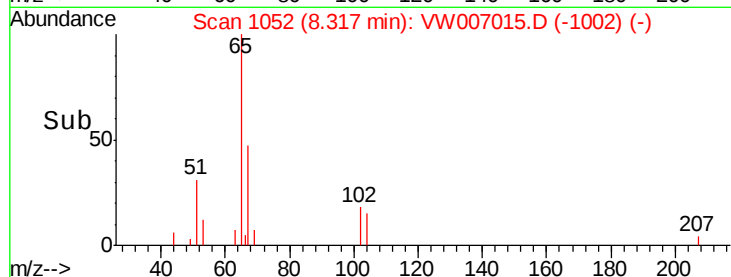
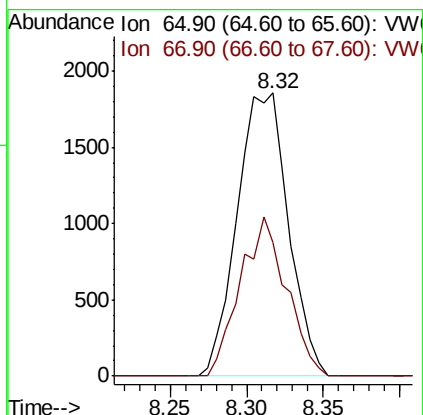
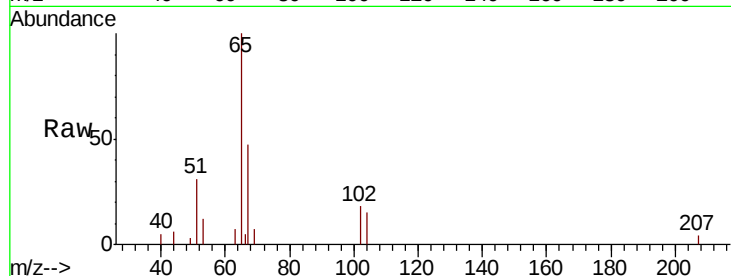
ClientSampled :

Tot Ion: 65 Resp: 4327

Ion Ratio Lower Upper

65 100

67 50.6 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW007015.D

Acq: 21 Nov 2018 21:47

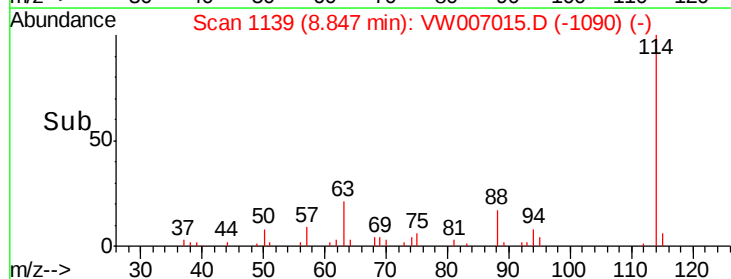
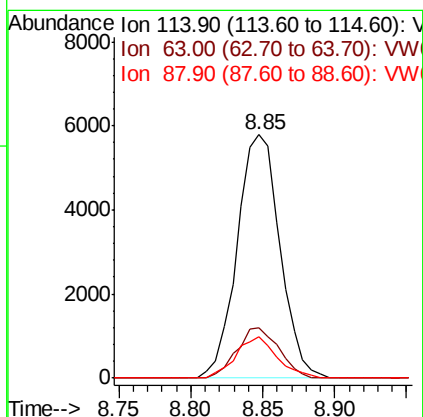
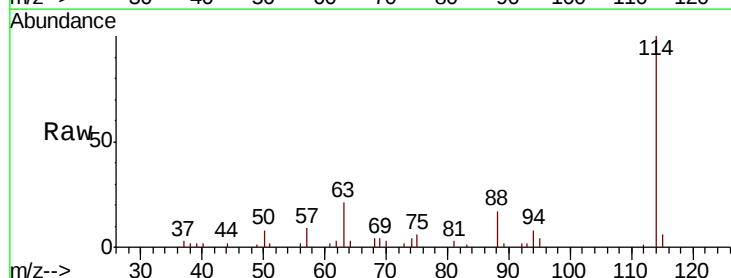
Tgt Ion: 114 Resp: 11888

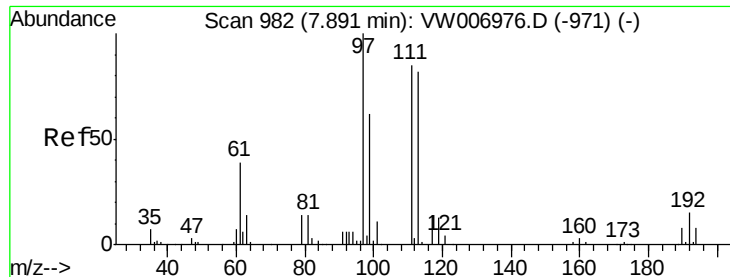
Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.4

88 16.9 0.0 34.2

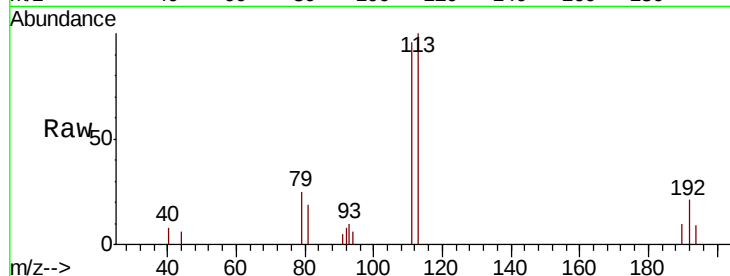




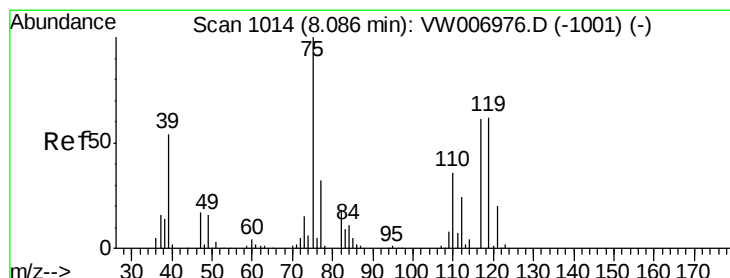
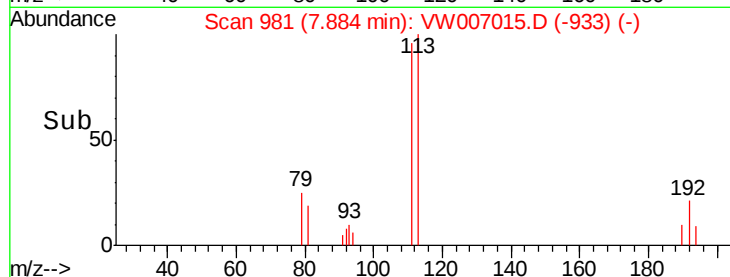
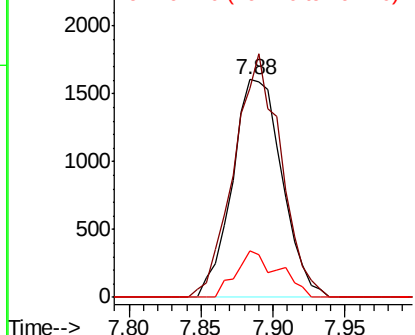
#35
 Dibromofluoromethane
 Concen: 57.422 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007015.D
 Acq: 21 Nov 2018 21:47

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 3855
 Ion Ratio Lower Upper
 113 100
 111 105.2 81.0 121.6
 192 18.3 15.0 22.6

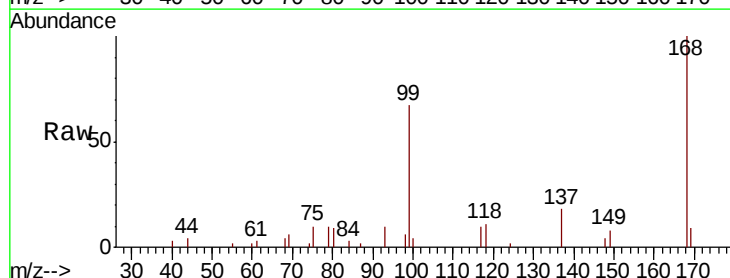


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

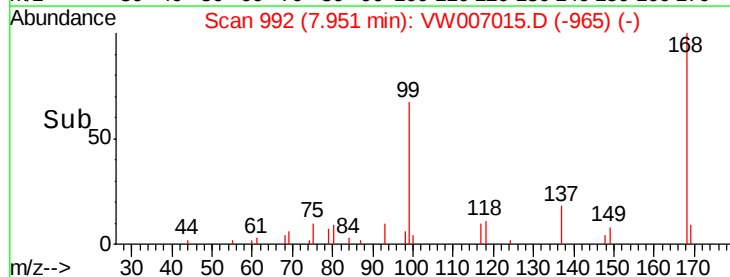
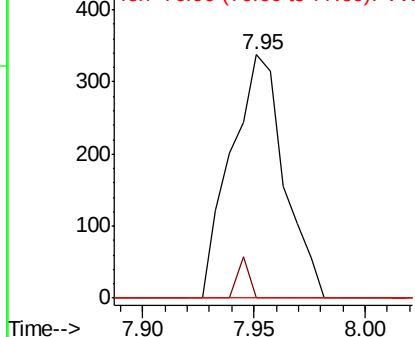


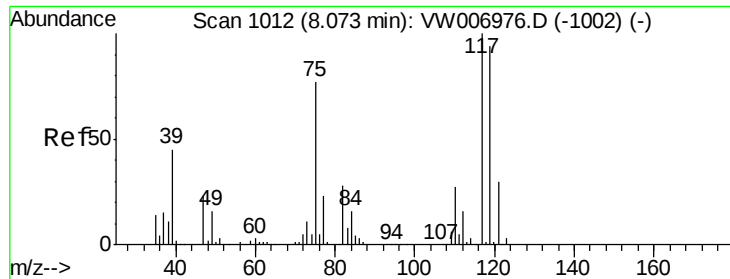
#36
 1,1-Dichloropropene
 Concen: 4.838 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007015.D
 Acq: 21 Nov 2018 21:47

Tgt Ion: 75 Resp: 562
 Ion Ratio Lower Upper
 75 100
 110 3.7 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

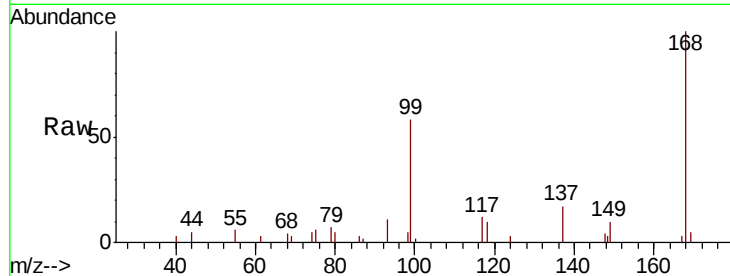




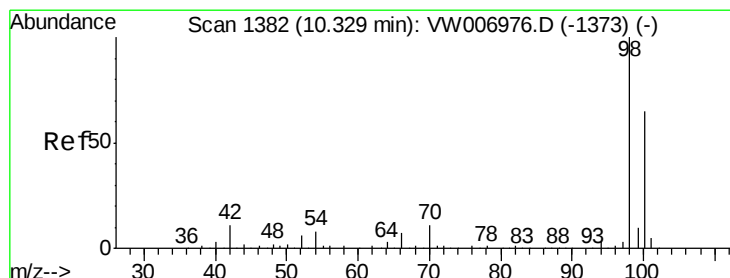
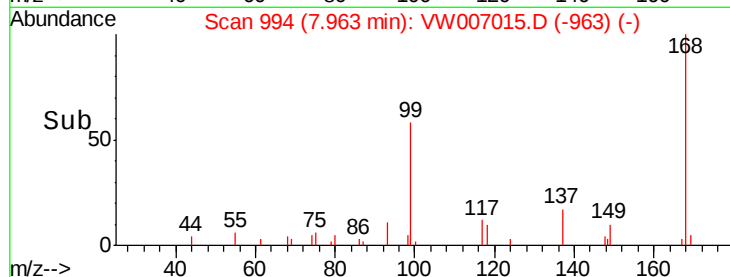
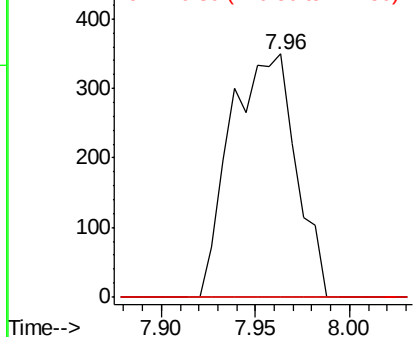
#38
Carbon Tetrachloride
Concen: 7.524 ug/l
RT: 7.96 min Scan# 994
Delta R.T. -0.11 min
Lab File: VW007015.D
Acq: 21 Nov 2018 21:47

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 837
Ion Ratio Lower Upper
117 100
119 0.0 74.9 112.3#
121 0.0 23.6 35.4#

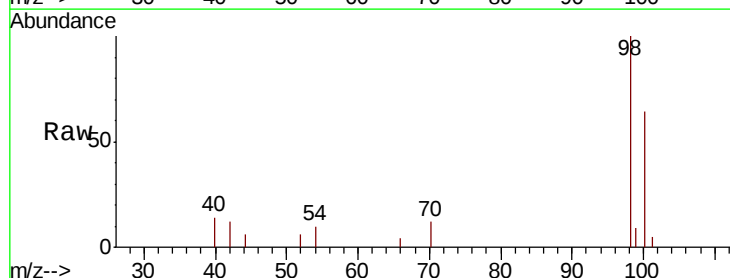


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

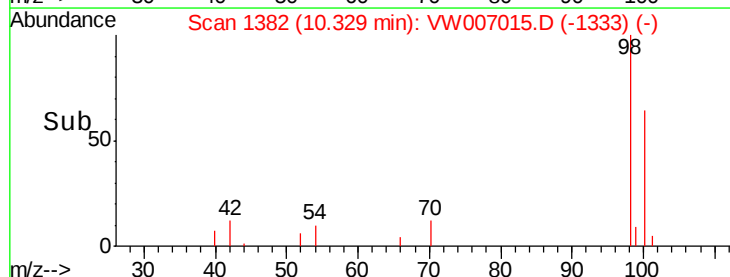
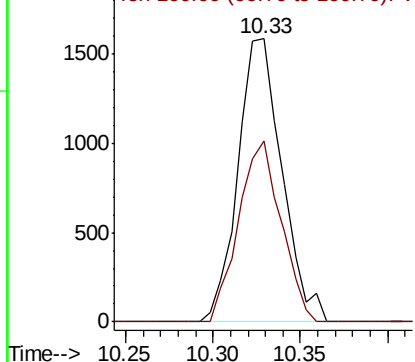


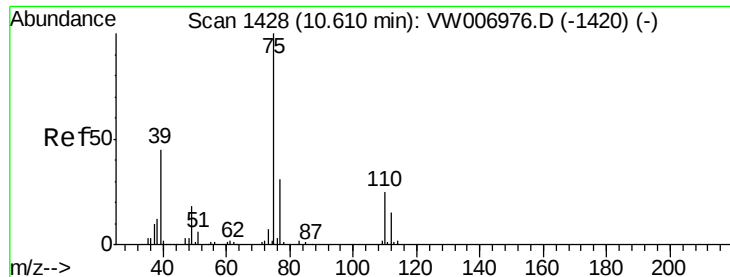
#50
Toluene-d8
Concen: 9.361 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007015.D
Acq: 21 Nov 2018 21:47

Tgt Ion: 98 Resp: 2775
Ion Ratio Lower Upper
98 100
100 61.5 52.2 78.2



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





#53

t-1,3-Dichloropropene

Concen: 1.721 ug/l

RT: 10.71 min Scan# 1444

Delta R.T. 0.10 min

Lab File: VW007015.D

Acq: 21 Nov 2018 21:47

Instrument :

MSVOA_W

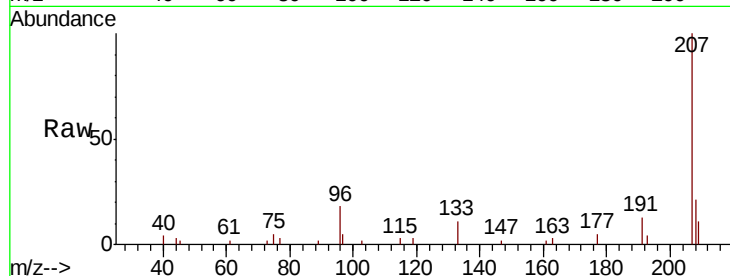
ClientSampled :

Tot Ion: 75 Resp: 170

Ion Ratio Lower Upper

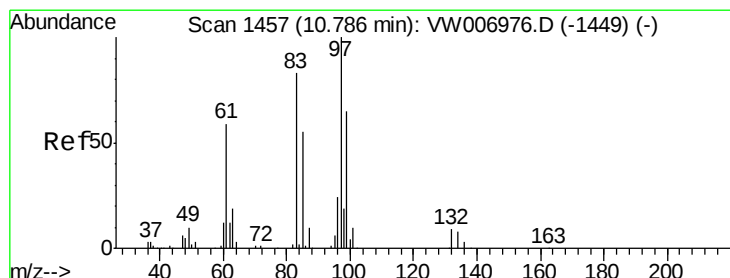
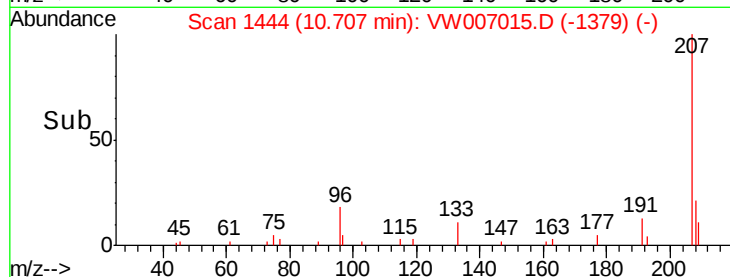
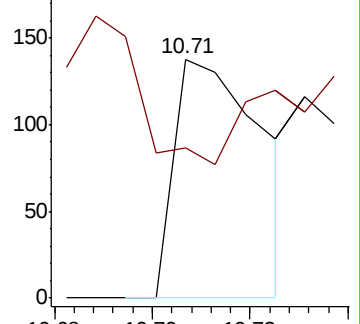
75 100

77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#55

1,1,2-Trichloroethane

Concen: 4.038 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW007015.D

Acq: 21 Nov 2018 21:47

Tgt Ion: 97 Resp: 230

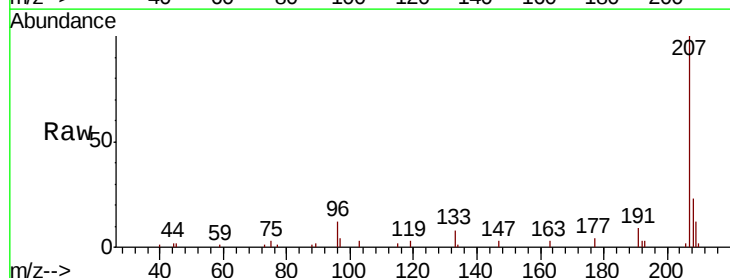
Ion Ratio Lower Upper

97 100

83 0.0 66.4 99.6#

85 0.0 44.1 66.1#

99 0.0 51.7 77.5#

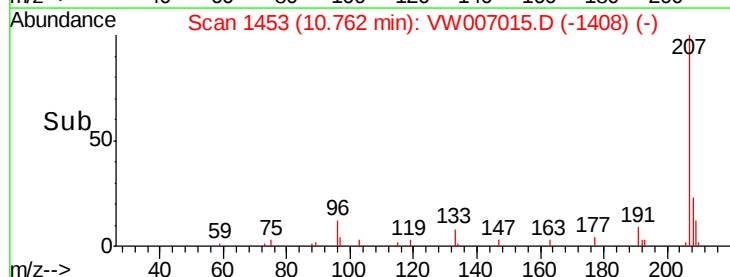
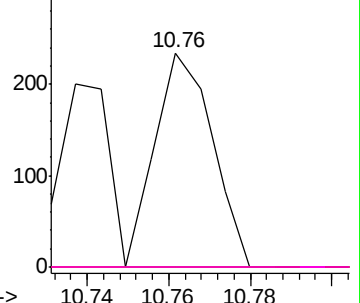


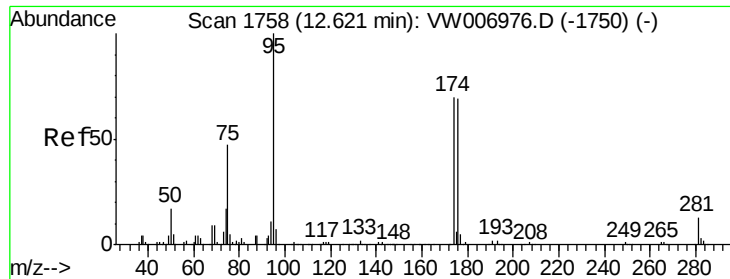
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

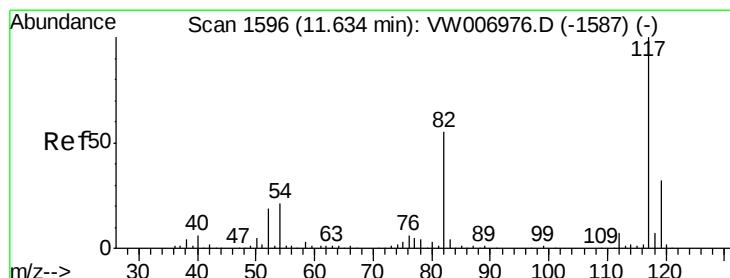
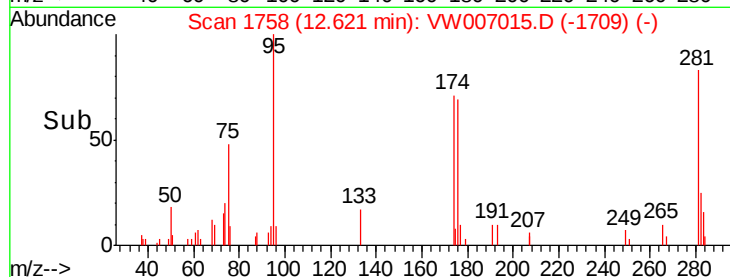
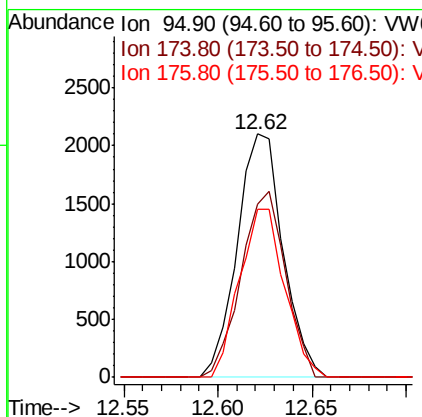
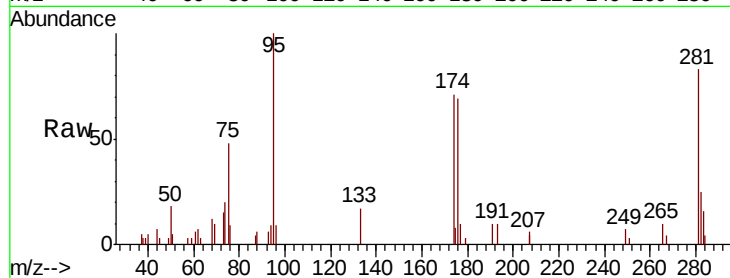




#62
4-Bromofluorobenzene
Concen: 30.404 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007015.D
Acq: 21 Nov 2018 21:47

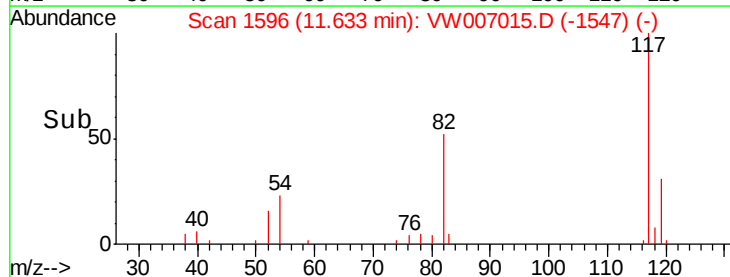
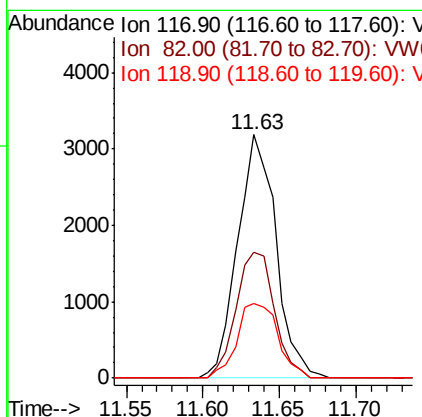
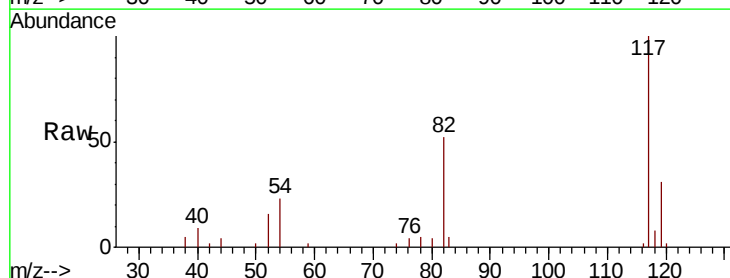
Instrument :
MSVOA_W
ClientSampled :

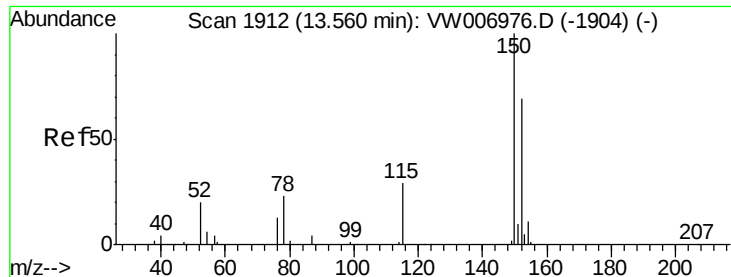
Tot Ion: 95 Resp: 3547
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.6
176 68.2 0.0 140.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007015.D
Acq: 21 Nov 2018 21:47

Tgt Ion: 117 Resp: 5550
Ion Ratio Lower Upper
117 100
82 51.8 44.2 66.2
119 30.6 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007015.D

Acq: 21 Nov 2018 21:47

Instrument :

MSVOA_W

ClientSampleId :

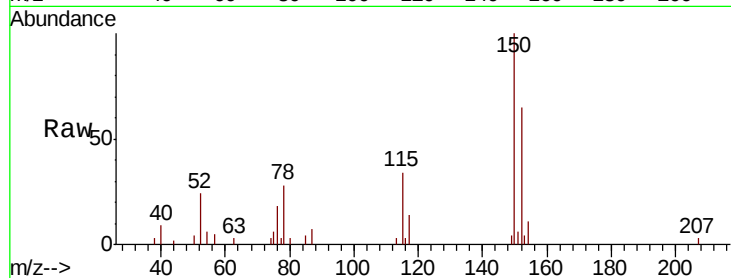
Tot Ion:152 Resp: 2937

Ion Ratio Lower Upper

152 100

115 60.6 31.4 94.2

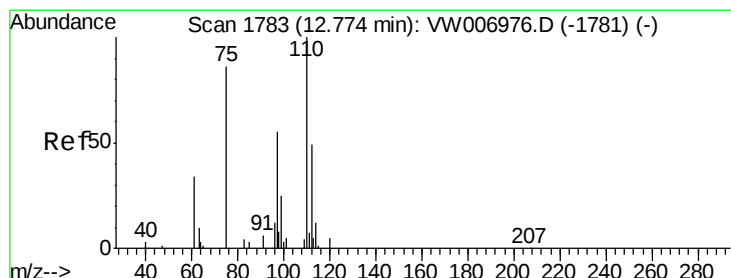
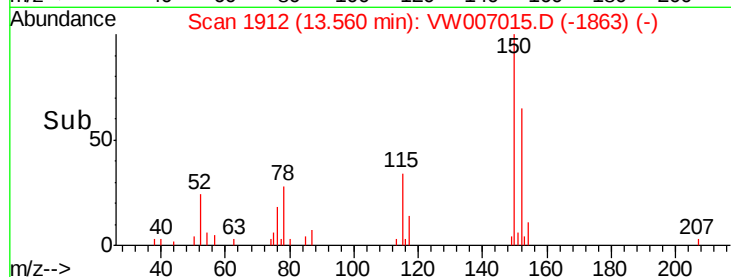
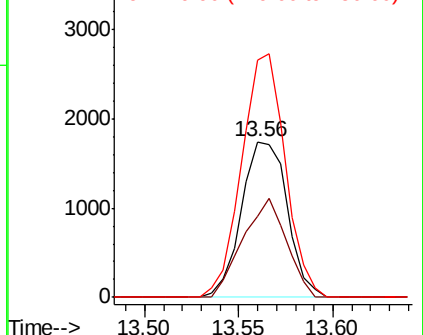
150 149.1 0.0 353.4



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: 72.318 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007015.D

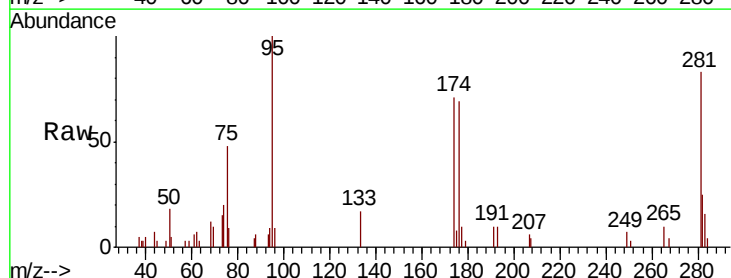
Acq: 21 Nov 2018 21:47

Tgt Ion: 75 Resp: 1669

Ion Ratio Lower Upper

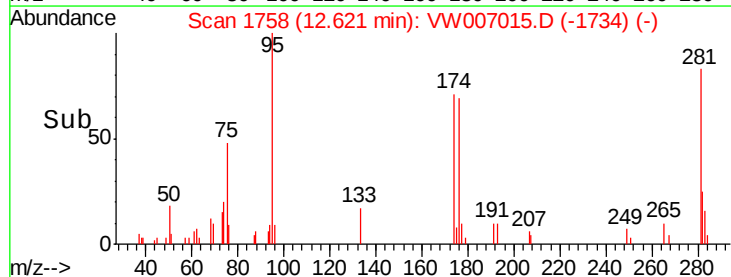
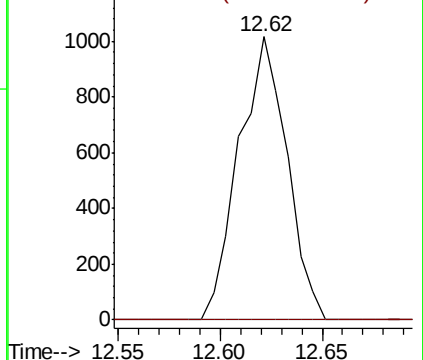
75 100

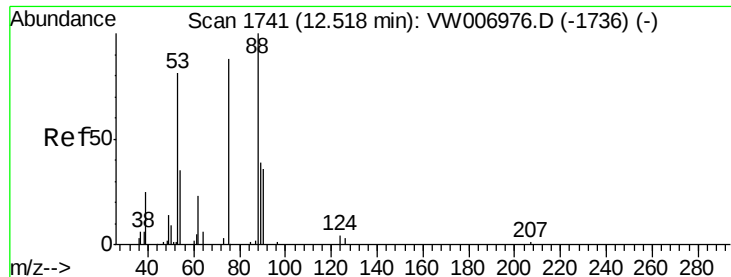
77 0.0 0.0 0.0



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: 181.560 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007015.D

Acq: 21 Nov 2018 21:47

Instrument :

MSVOA_W

ClientSampleId :

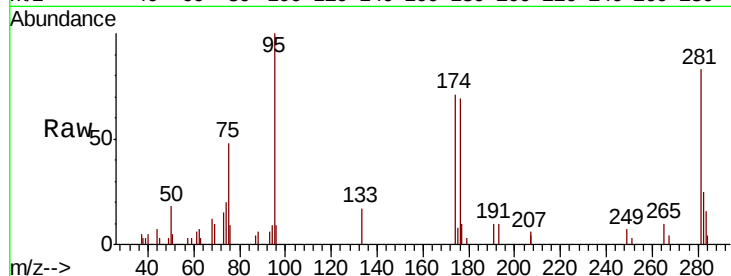
Tot Ion: 75 Resp: 1669

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

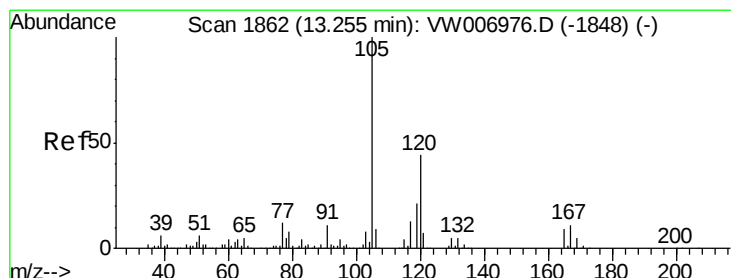
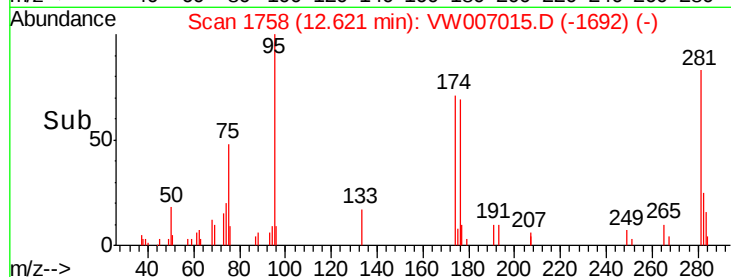
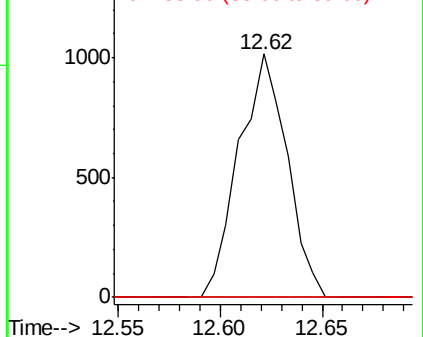
89 0.0 39.3 58.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 3.010 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. 0.01 min

Lab File: VW007015.D

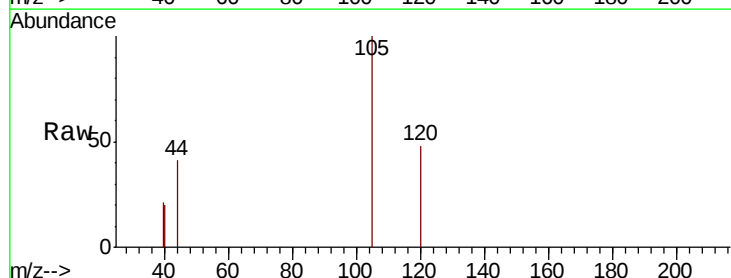
Acq: 21 Nov 2018 21:47

Tgt Ion: 105 Resp: 592

Ion Ratio Lower Upper

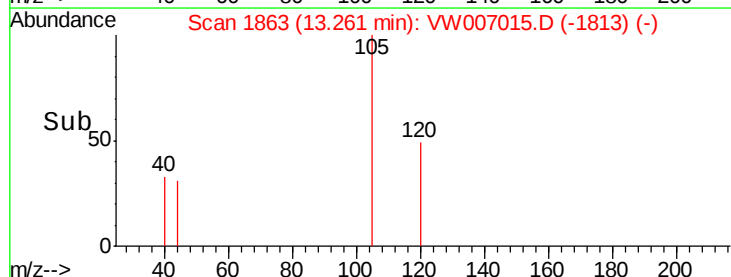
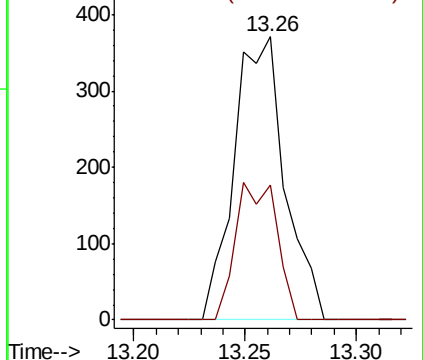
105 100

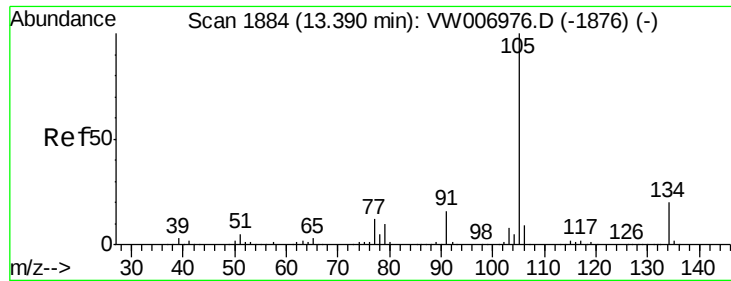
120 39.4 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

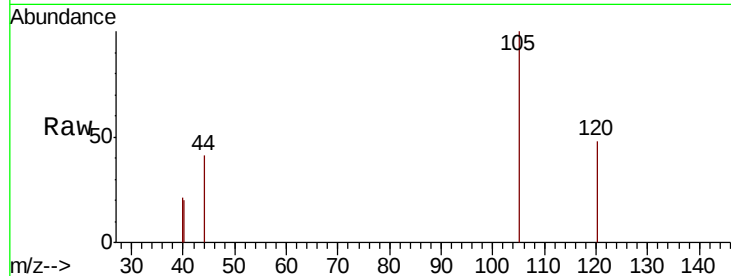




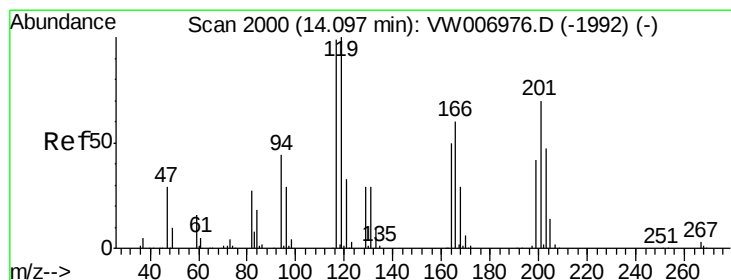
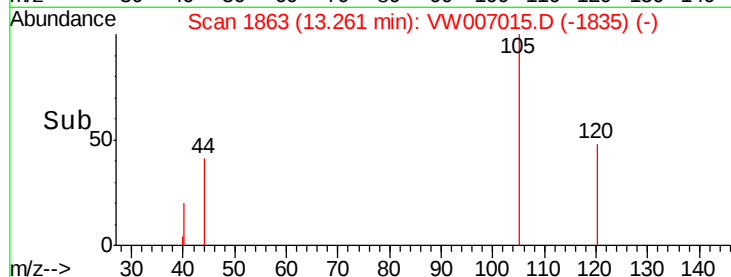
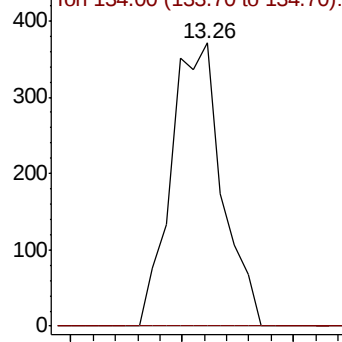
#85
 sec-Butylbenzene
 Concen: 2.452 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. -0.13 min
 Lab File: VW007015.D
 Acq: 21 Nov 2018 21:47

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:105 Resp: 592
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#

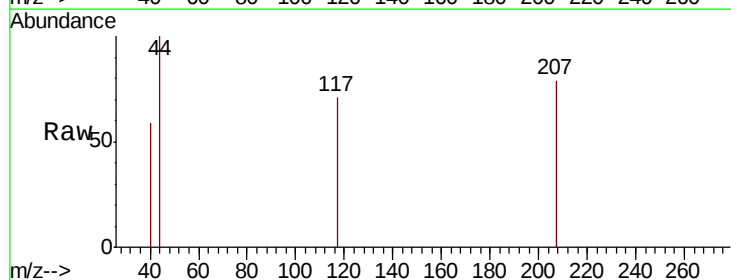


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

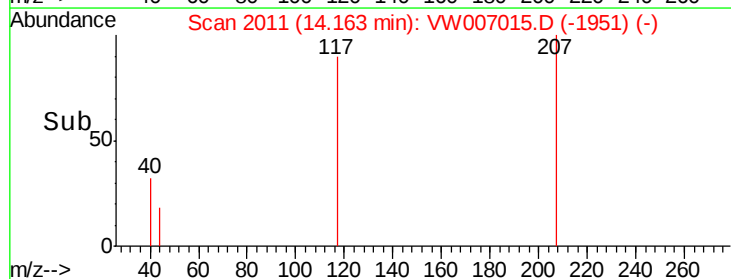
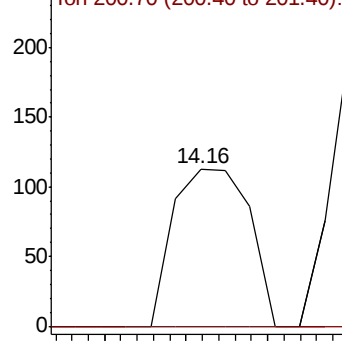


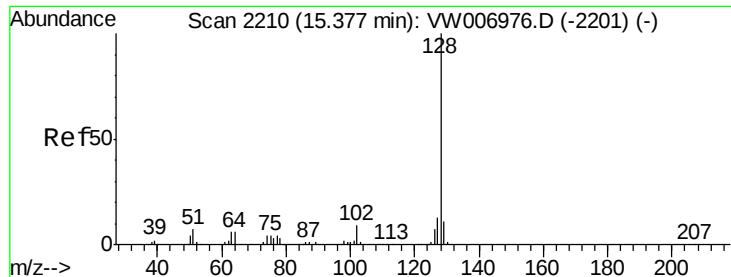
#90
 Hexachloroethane
 Concen: 4.727 ug/l
 RT: 14.16 min Scan# 2011
 Delta R.T. 0.07 min
 Lab File: VW007015.D
 Acq: 21 Nov 2018 21:47

Tgt Ion:117 Resp: 147
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.9 107.5#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 1.248 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

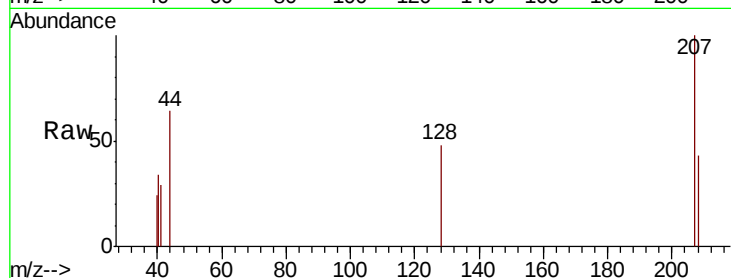
Lab File: VW007015.D

Acq: 21 Nov 2018 21:47

Instrument :

MSVOA_W

ClientSampleId :



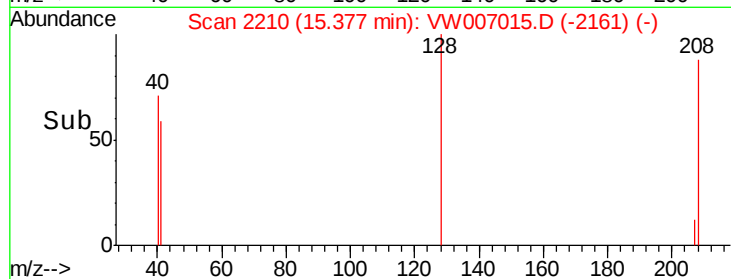
Tot Ion:128 Resp: 131

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

