

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112818\
 Data File : VW007109.D
 Acq On : 28 Nov 2018 13:26
 Operator : VAY/AP
 Sample : J6080-02
 Misc : 10.33G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RCA-05

Quant Time: Nov 29 04:35:17 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	4064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	6587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	5510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1374	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	2174	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	
35) Dibromofluoromethane	7.89	113	1771	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
50) Toluene-d8	10.32	98	6728	40.96	ug/l	0.00
Spiked Amount			Recovery	=	81.92%	
62) 4-Bromofluorobenzene	12.63	95	1911	29.56	ug/l	0.00
Spiked Amount			Recovery	=	59.12%	

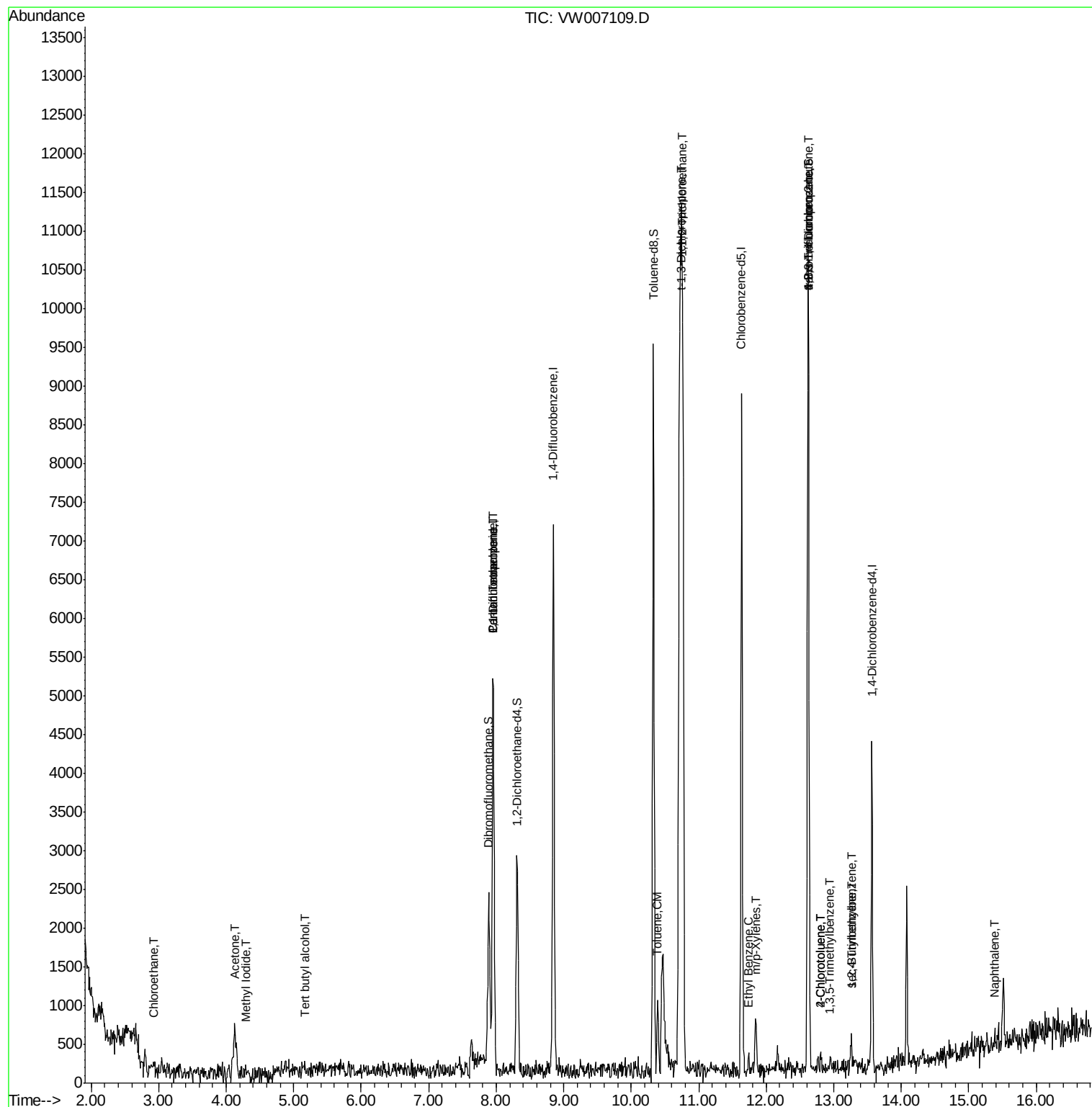
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.93	64	180	9.925	ug/l #	43
10) Methyl Iodide	4.30	142	114	2.374	ug/l #	40
11) Tert butyl alcohol	5.16	59	25	9.652	ug/l #	71
16) Acetone	4.13	43	1266	219.157	ug/l	91
36) 1,1-Dichloropropene	7.95	75	333	5.173	ug/l #	41
38) Carbon Tetrachloride	7.95	117	478	7.755	ug/l #	13
52) Toluene	10.39	92	477	4.034	ug/l	78
53) t-1,3-Dichloropropene	10.74	75	241	4.402	ug/l #	44
55) 1,1,2-Trichloroethane	10.76	97	142	4.500	ug/l #	15
67) Ethyl Benzene	11.74	91	215	1.018	ug/l #	43
68) m/p-Xylenes	11.83	106	267	3.221	ug/l #	70
76) 1,2,3-Trichloropropane	12.62	75	1016	94.102	ug/l #	100
79) 2-Chlorotoluene	12.80	91	120	1.609	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.94	105	166	1.798	ug/l #	29
81) trans-1,4-Dichloro-2-buten	12.62	75	1016	236.252	ug/l #	10
82) 4-Chlorotoluene	12.80	91	120	1.533	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.26	105	334	3.630	ug/l	90
85) sec-Butylbenzene	13.26	105	334	2.957	ug/l #	57
95) Naphthalene	15.37	128	193	3.930	ug/l #	69

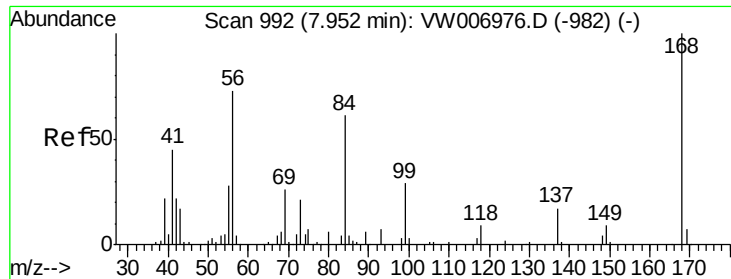
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112818\
Data File : VW007109.D
Acq On : 28 Nov 2018 13:26
Operator : VAY/AP
Sample : J6080-02
Misc : 10.33G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RCA-05

Quant Time: Nov 29 04:35:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007109.D

Acq: 28 Nov 2018 13:26

Instrument :

MSVOA_W

ClientSampled :

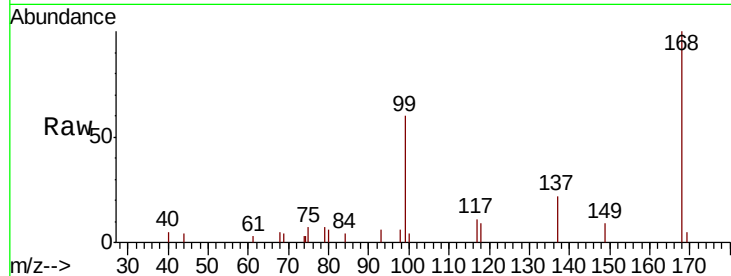
RCA-05

Tot Ion:168 Resp: 4064

Ion Ratio Lower Upper

168 100

99 60.2 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

1500

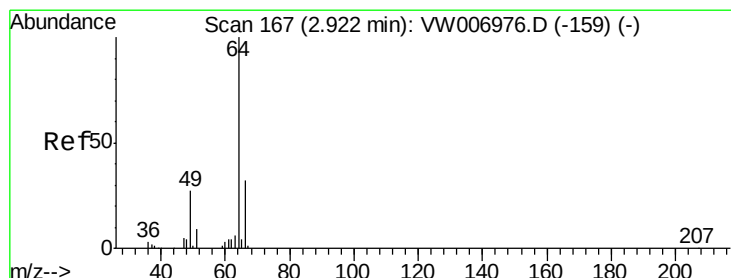
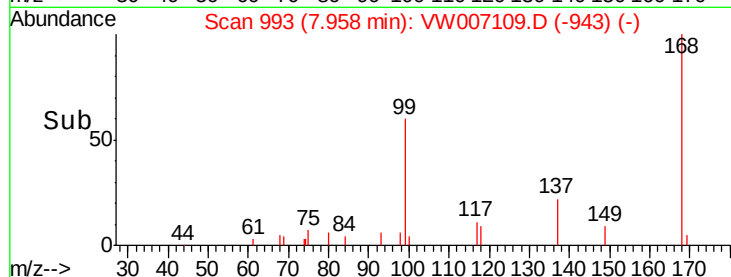
1000

500

0

7.90 7.95 8.00

Time-->



#6

Chloroethane

Concen: 9.925 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007109.D

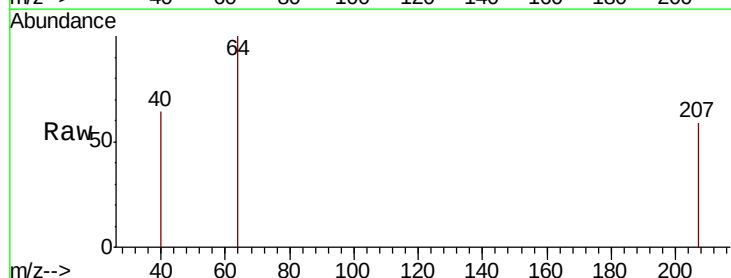
Acq: 28 Nov 2018 13:26

Tgt Ion: 64 Resp: 180

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

120

100

80

60

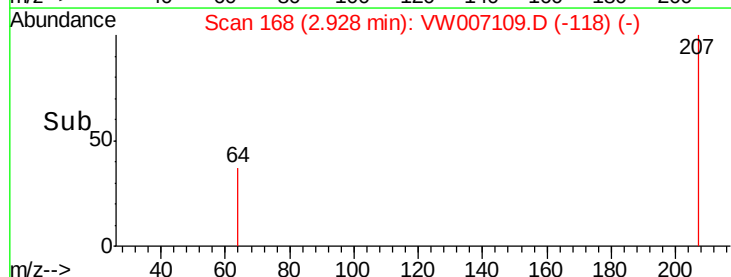
40

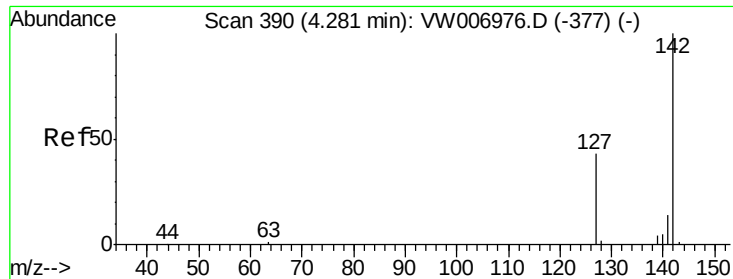
20

0

2.90 2.92 2.94 2.96

Time-->

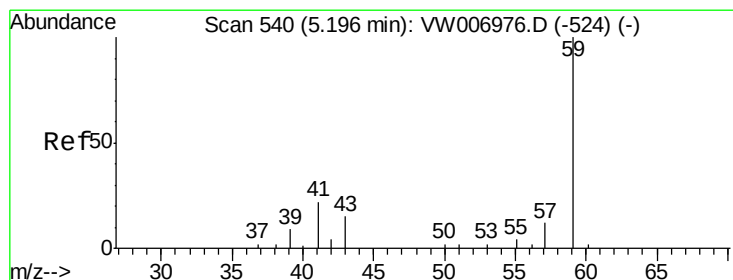
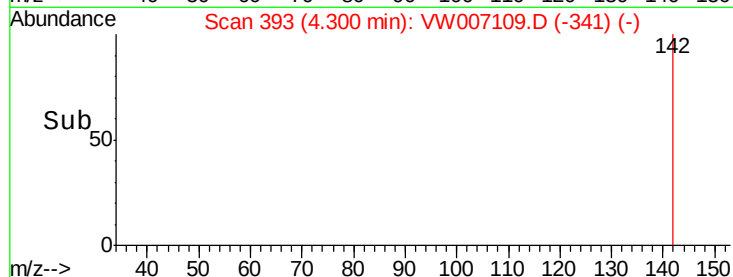
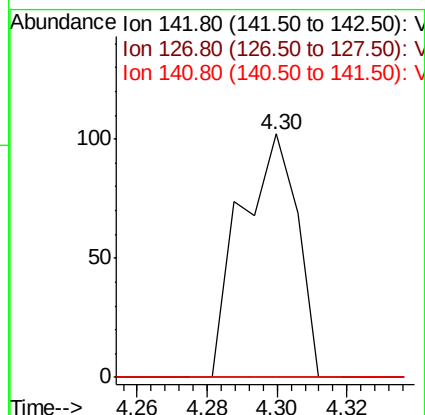
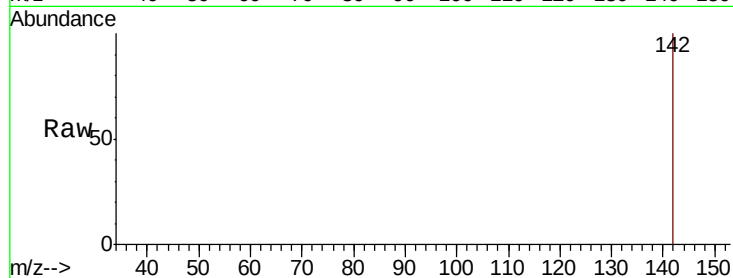




#10
Methyl Iodide
Concen: 2.374 ug/l
RT: 4.30 min Scan# 393
Delta R.T. 0.02 min
Lab File: VW007109.D
Acq: 28 Nov 2018 13:26

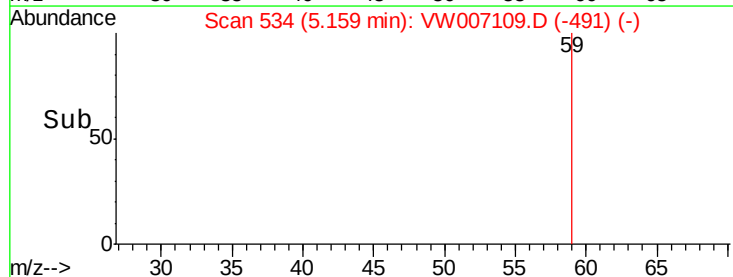
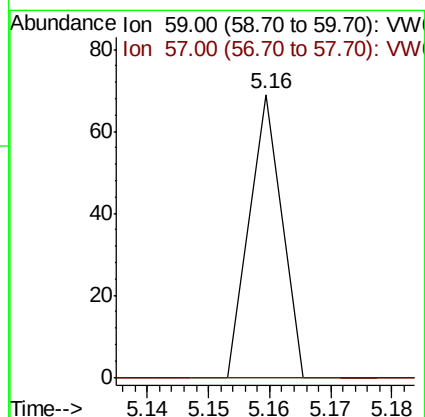
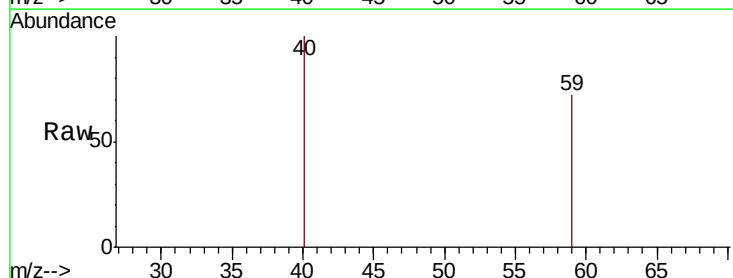
Instrument :
MSVOA_W
ClientSampled :
RCA-05

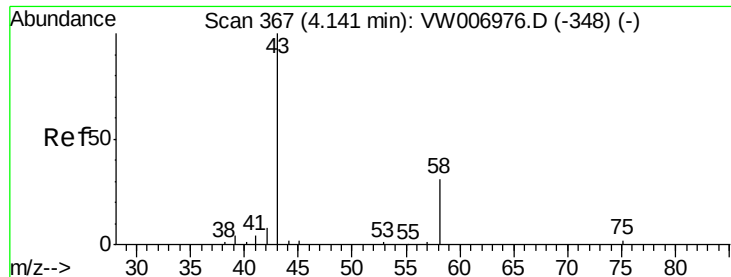
Tot Ion:142 Resp: 114
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 9.652 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.04 min
Lab File: VW007109.D
Acq: 28 Nov 2018 13:26

Tgt Ion: 59 Resp: 25
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#16

Acetone

Concen: 219.157 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW007109.D

Acq: 28 Nov 2018 13:26

Instrument :

MSVOA_W

ClientSampled :

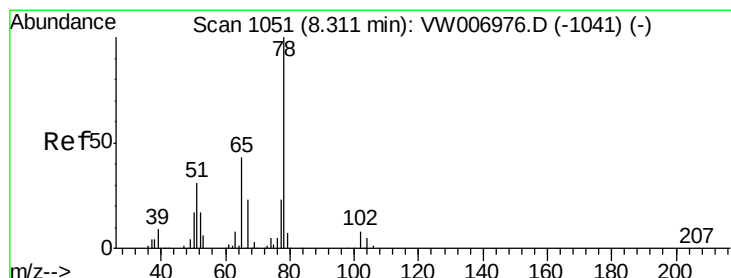
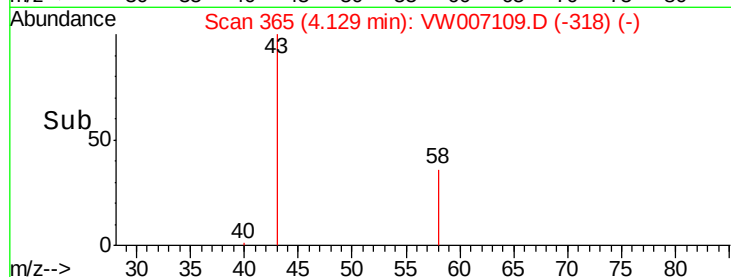
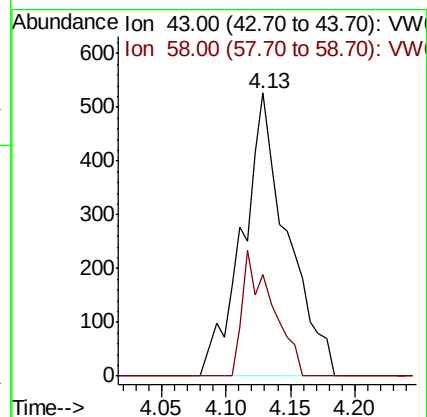
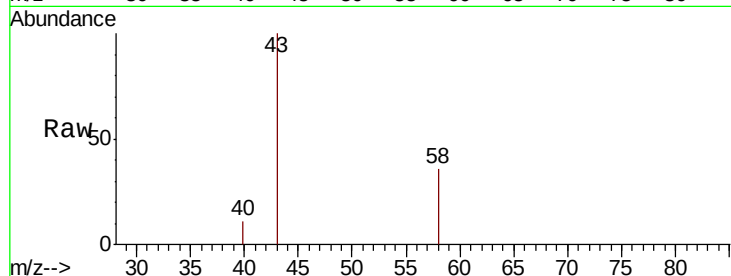
RCA-05

Tot Ion: 43 Resp: 1266

Ion Ratio Lower Upper

43 100

58 35.9 24.8 37.2



#33

1,2-Dichloroethane-d4

Concen: 54.640 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VW007109.D

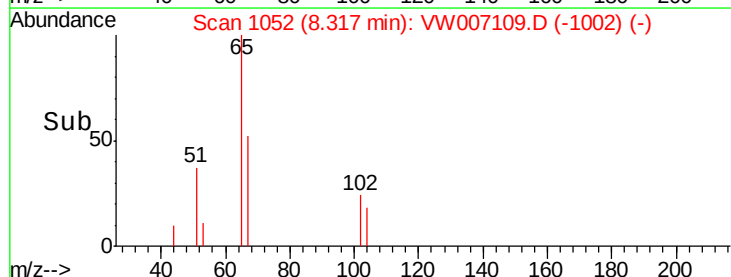
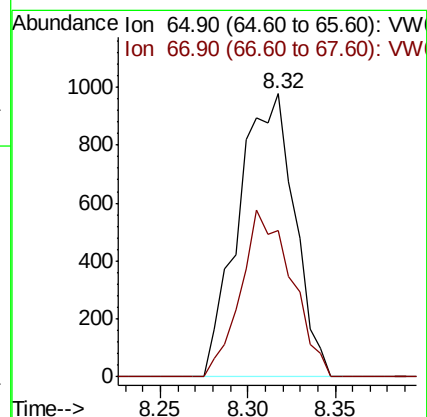
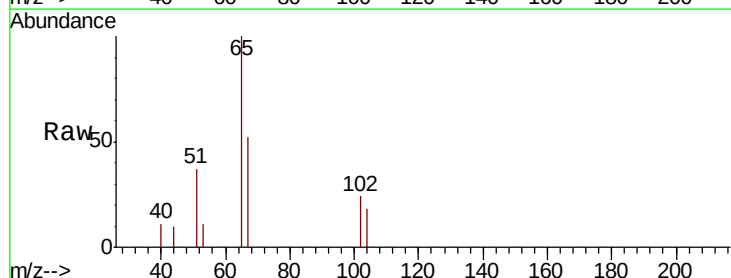
Acq: 28 Nov 2018 13:26

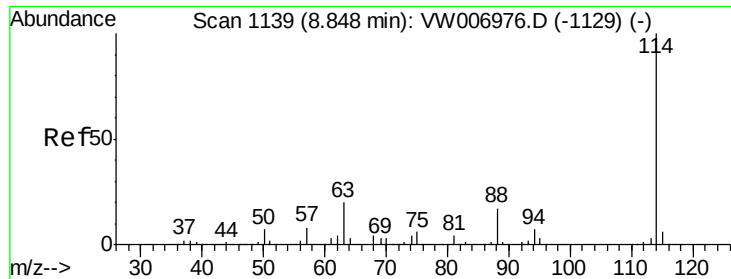
Tgt Ion: 65 Resp: 2174

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.2

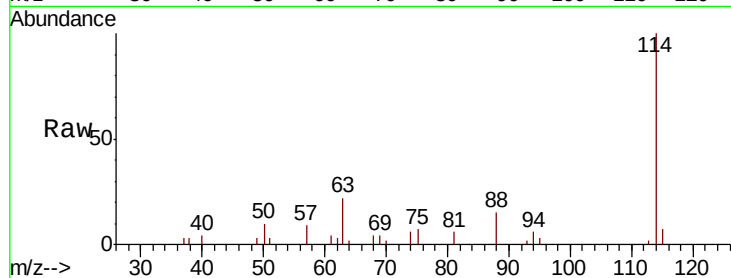




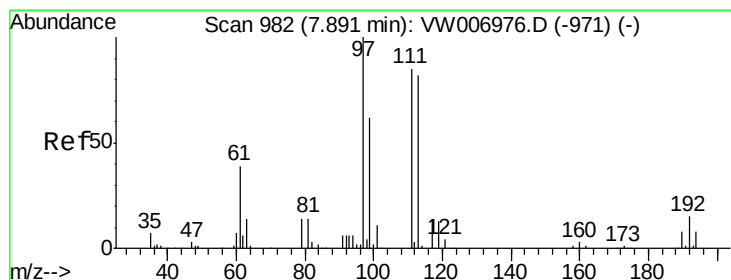
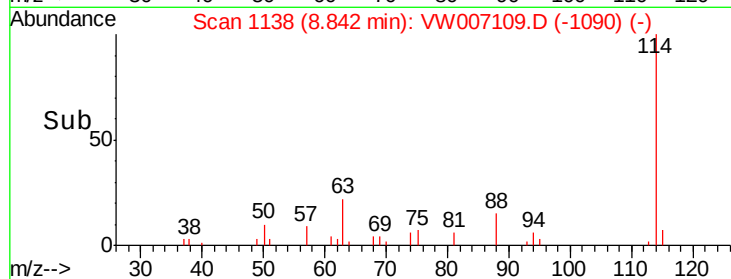
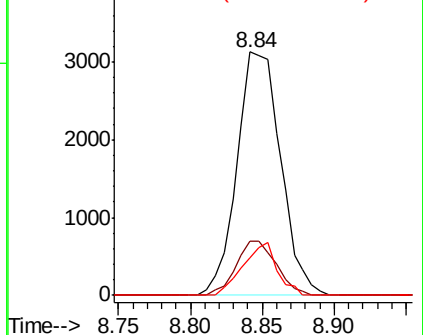
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007109.D
 Acq: 28 Nov 2018 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 RCA-05

Tot Ion:114 Resp: 6587
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 39.4
 88 15.4 0.0 34.2

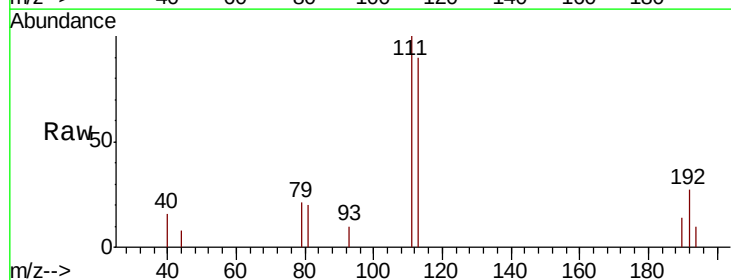


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

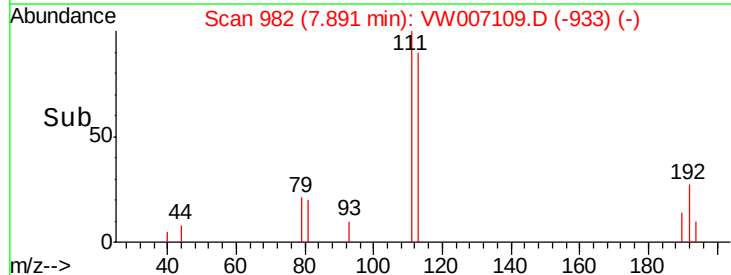
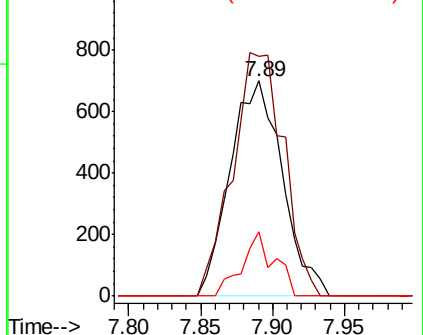


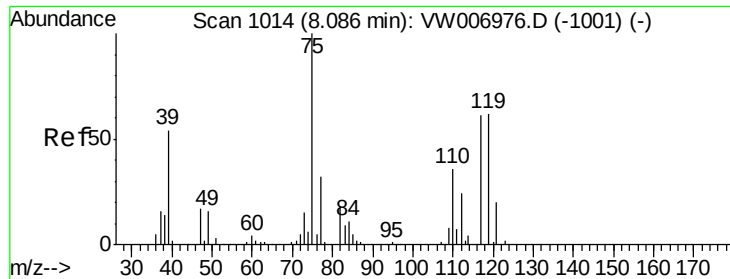
#35
 Dibromofluoromethane
 Concen: 47.609 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007109.D
 Acq: 28 Nov 2018 13:26

Tgt Ion:113 Resp: 1771
 Ion Ratio Lower Upper
 113 100
 111 110.2 81.0 121.6
 192 18.1 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

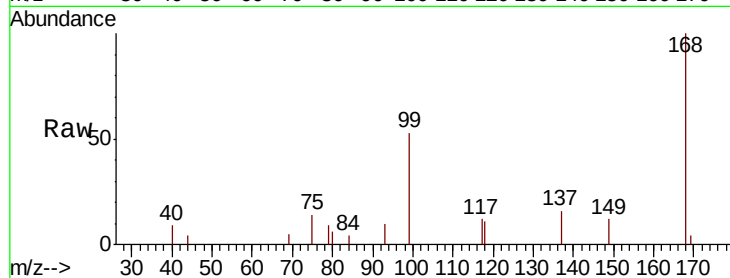




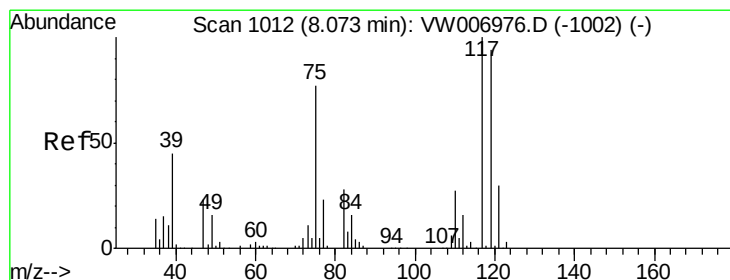
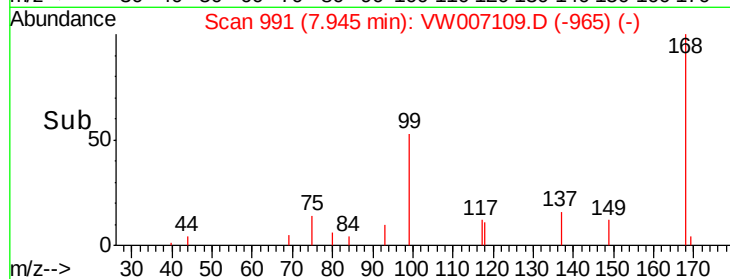
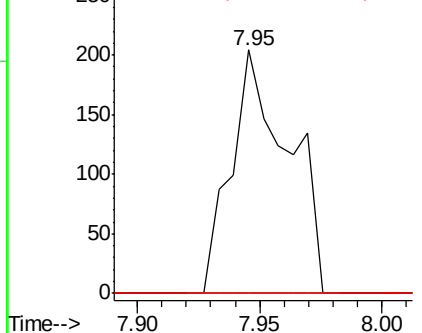
#36
 1,1-Dichloropropene
 Concen: 5.173 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW007109.D
 Acq: 28 Nov 2018 13:26

Instrument :
 MSVOA_W
 ClientSampled :
 RCA-05

Tot Ion: 75 Resp: 333
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.0 54.0#
 77 0.0 24.9 37.3#

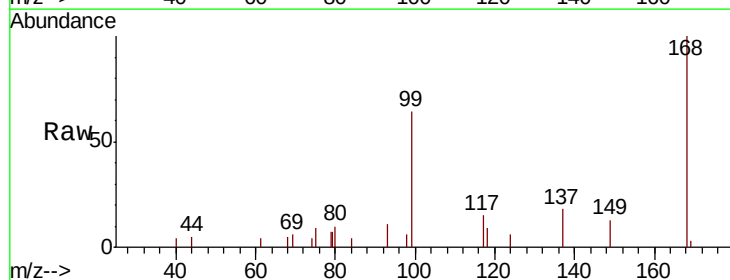


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

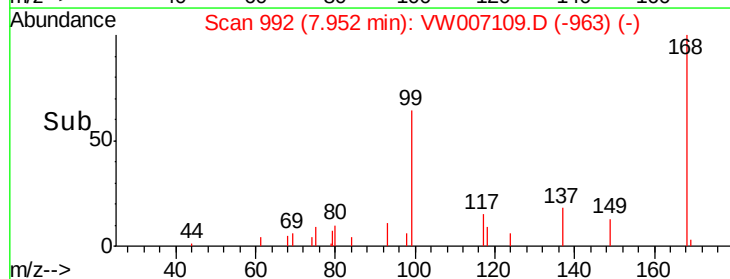
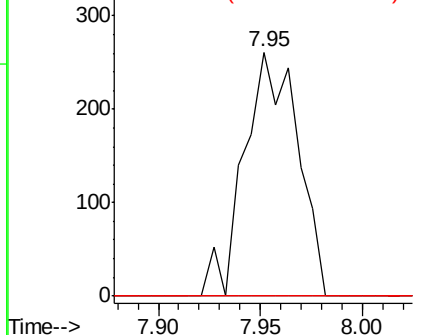


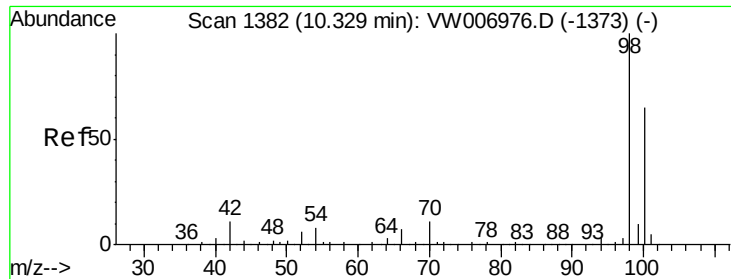
#38
 Carbon Tetrachloride
 Concen: 7.755 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007109.D
 Acq: 28 Nov 2018 13:26

Tgt Ion: 117 Resp: 478
 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: 40.959 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007109.D

Acq: 28 Nov 2018 13:26

Instrument :

MSVOA_W

ClientSampled :

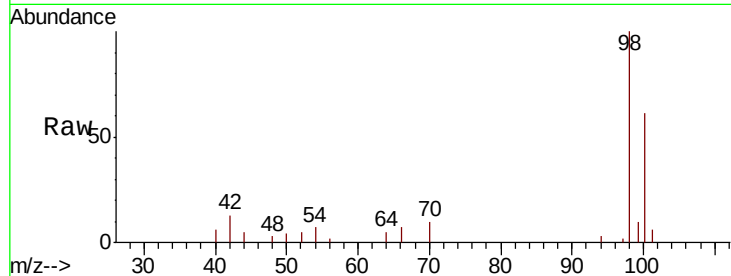
RCA-05

Tot Ion: 98 Resp: 6728

Ion Ratio Lower Upper

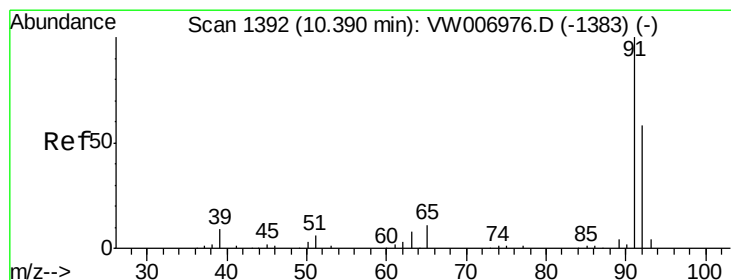
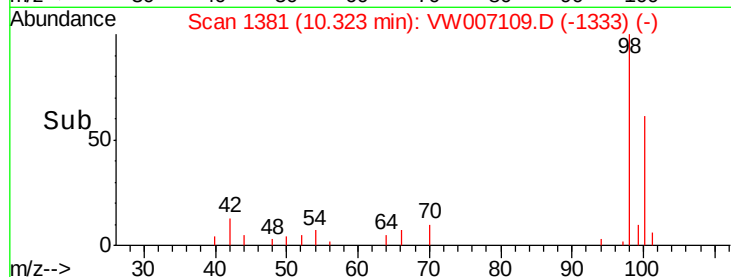
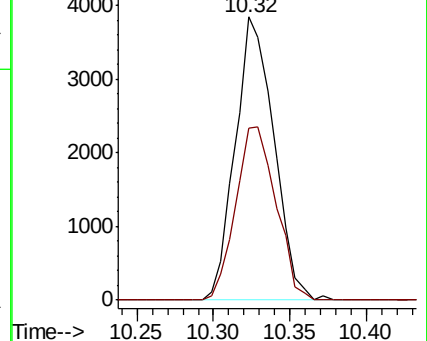
98 100

100 64.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 4.034 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007109.D

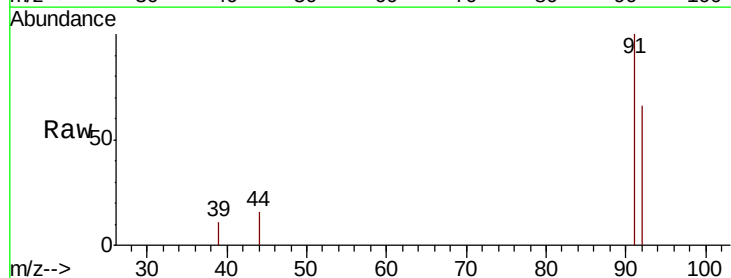
Acq: 28 Nov 2018 13:26

Tgt Ion: 92 Resp: 477

Ion Ratio Lower Upper

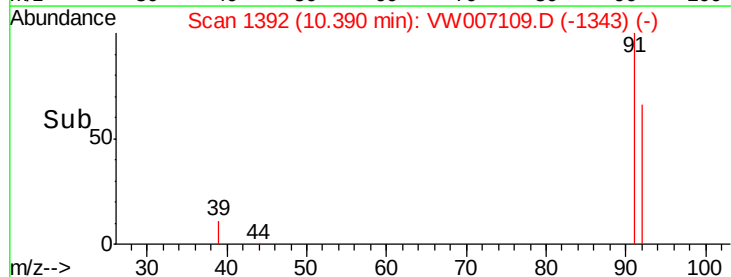
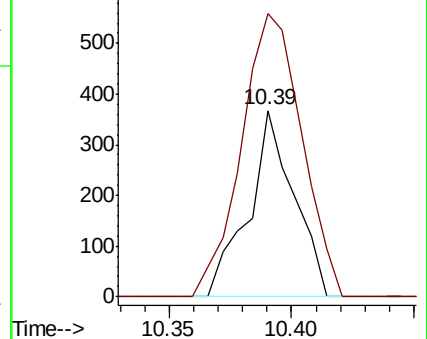
92 100

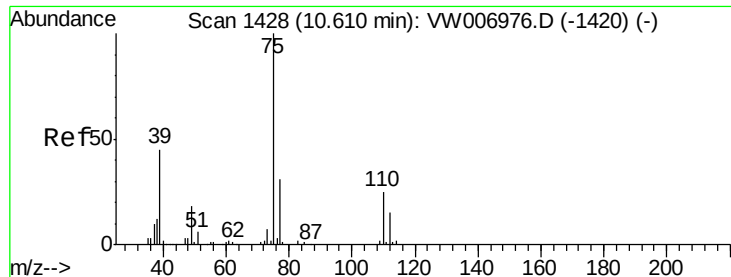
91 201.7 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 4.402 ug/l

RT: 10.74 min Scan# 1450

Delta R.T. 0.13 min

Lab File: VW007109.D

Acq: 28 Nov 2018 13:26

Instrument :

MSVOA_W

ClientSampled :

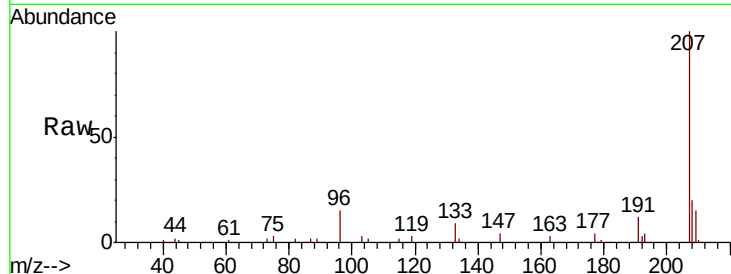
RCA-05

Tot Ion: 75 Resp: 241

Ion Ratio Lower Upper

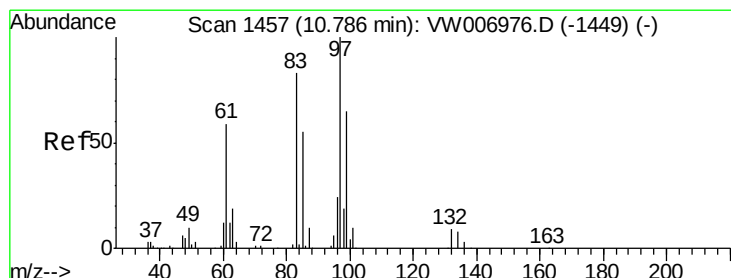
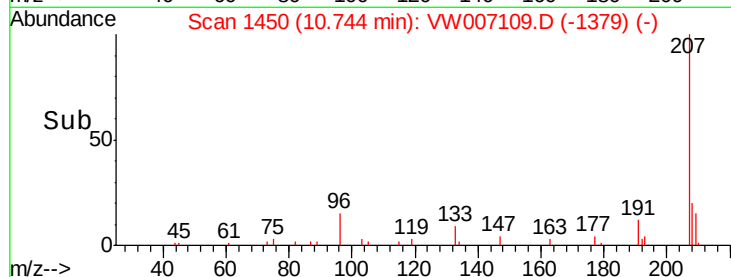
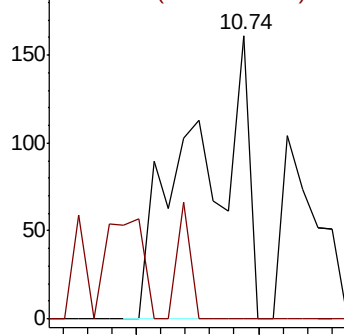
75 100

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: 4.500 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW007109.D

Acq: 28 Nov 2018 13:26

Tgt Ion: 97 Resp: 142

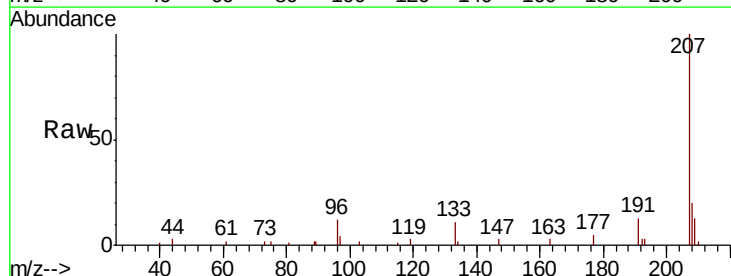
Ion Ratio Lower Upper

97 100

83 0.0 66.4 99.6#

85 0.0 44.1 66.1#

99 0.0 51.7 77.5#

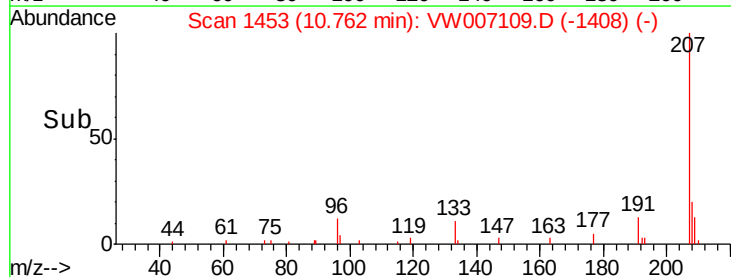
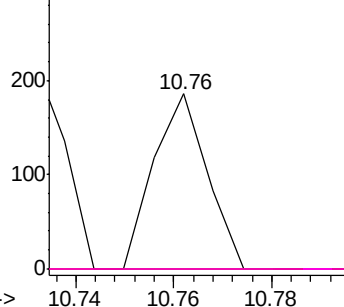


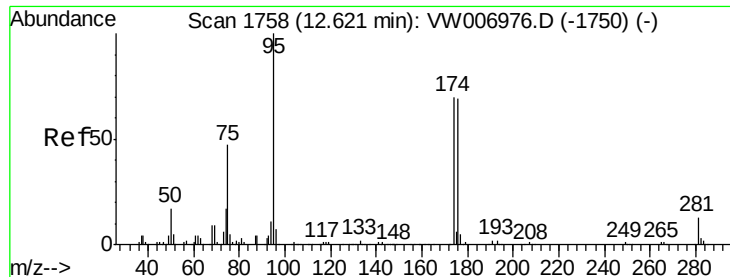
Abundance Ion 96.90 (96.60 to 97.60): VW

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: 29.564 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW007109.D

Acq: 28 Nov 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

RCA-05

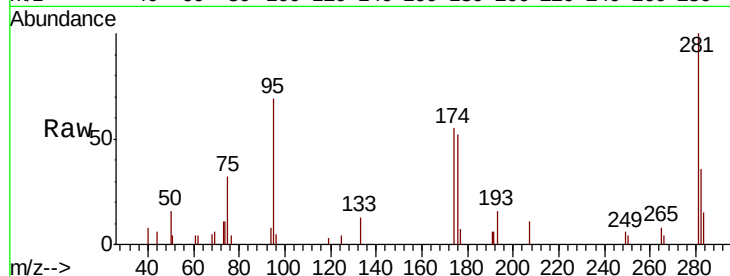
Tot Ion: 95 Resp: 1911

Ion Ratio Lower Upper

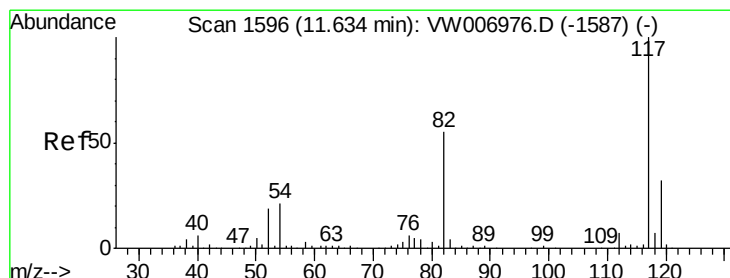
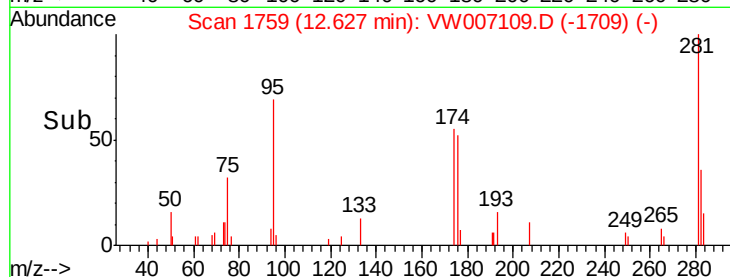
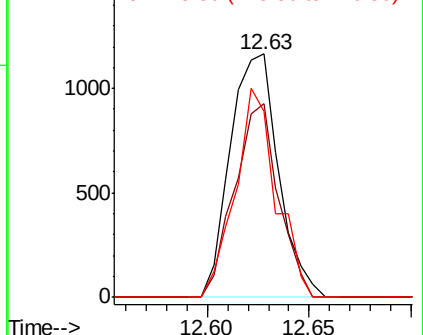
95 100

174 72.8 0.0 143.6

176 72.5 0.0 140.4



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007109.D

Acq: 28 Nov 2018 13:26

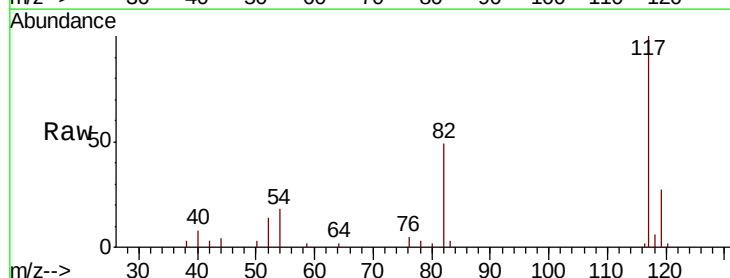
Tgt Ion: 117 Resp: 5510

Ion Ratio Lower Upper

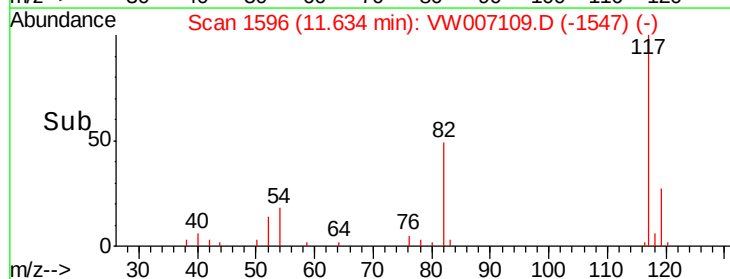
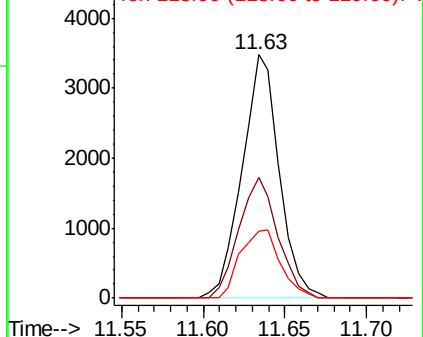
117 100

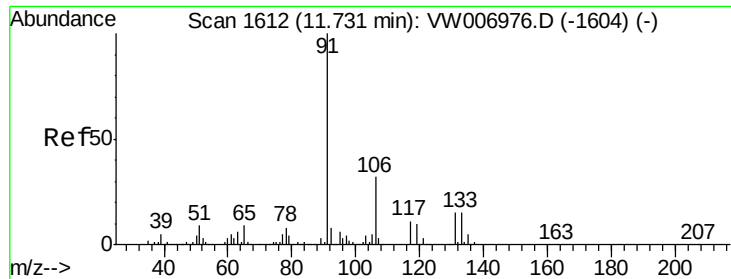
82 49.4 44.2 66.2

119 27.4 25.9 38.9



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

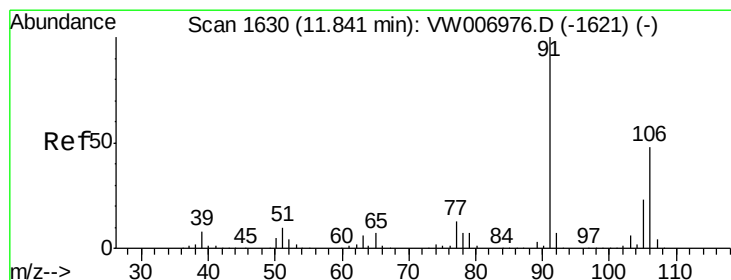
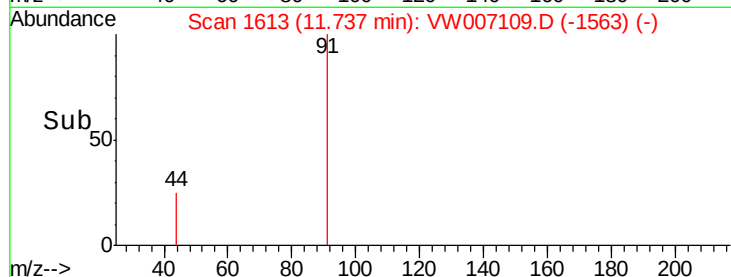
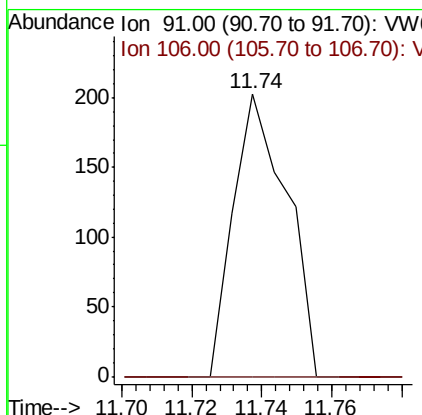
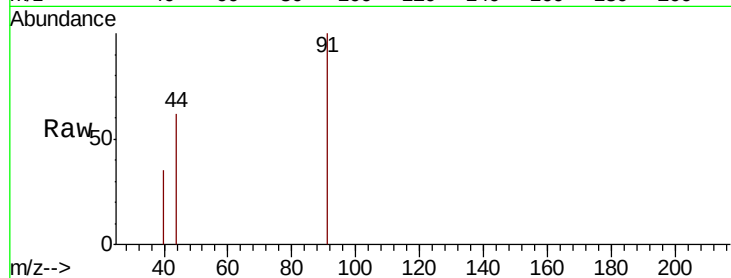




#67
Ethyl Benzene
Concen: 1.018 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007109.D
Acq: 28 Nov 2018 13:26

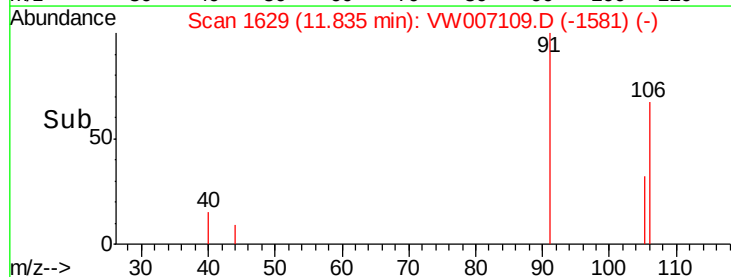
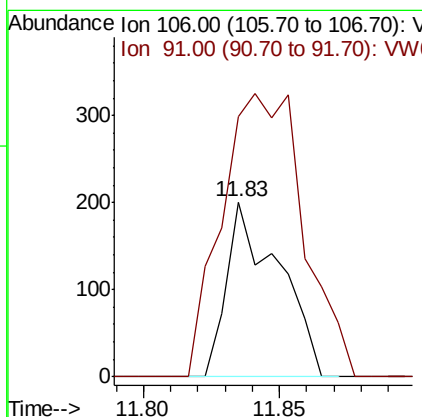
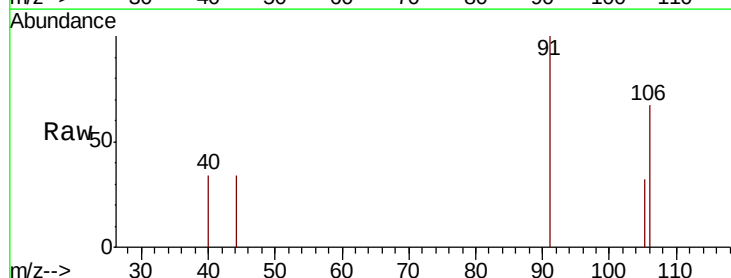
Instrument :
MSVOA_W
ClientSampled :
RCA-05

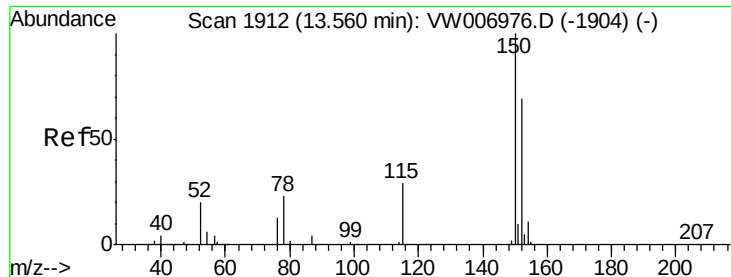
Tot Ion: 91 Resp: 215
Ion Ratio Lower Upper
91 100
106 0.0 25.4 38.2#



#68
m/p-Xylenes
Concen: 3.221 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007109.D
Acq: 28 Nov 2018 13:26

Tgt Ion: 106 Resp: 267
Ion Ratio Lower Upper
106 100
91 252.4 164.8 247.2#



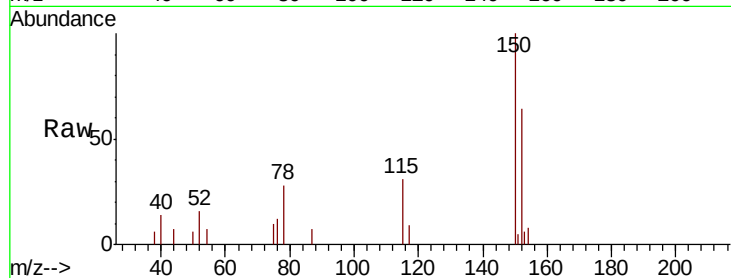


#72

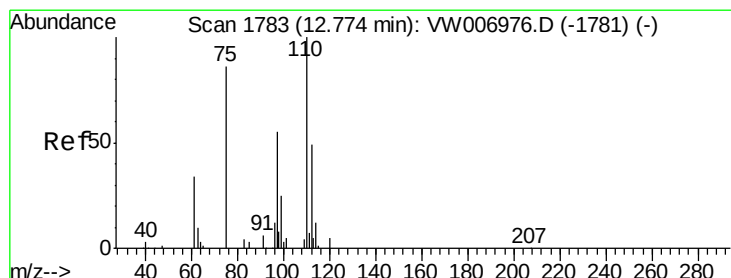
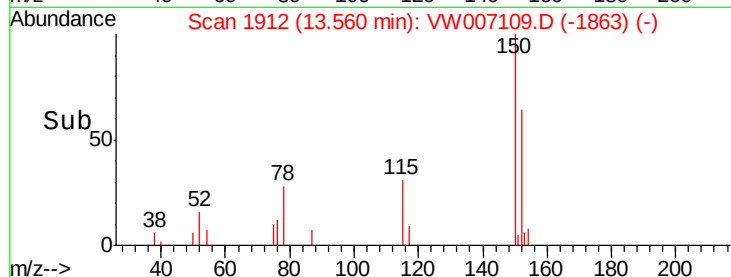
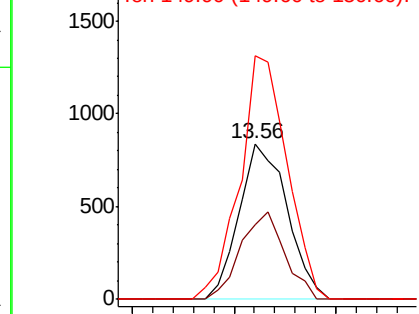
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007109.D
Acq: 28 Nov 2018 13:26

Instrument :
MSVOA_W
ClientSampled :
RCA-05

Tot Ion:152 Resp: 1374
Ion Ratio Lower Upper
152 100
115 51.2 31.4 94.2
150 153.5 0.0 353.4



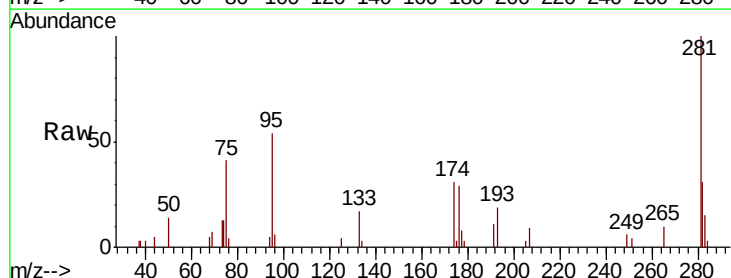
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



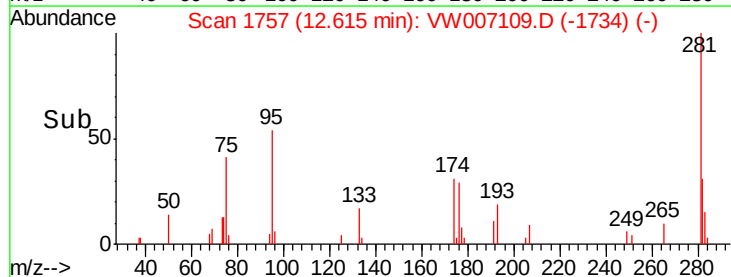
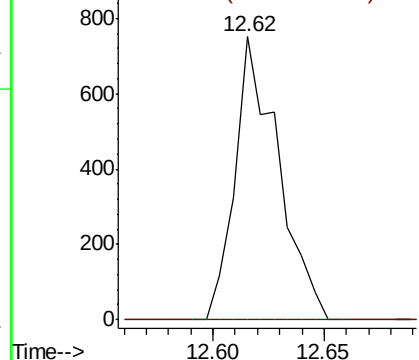
#76

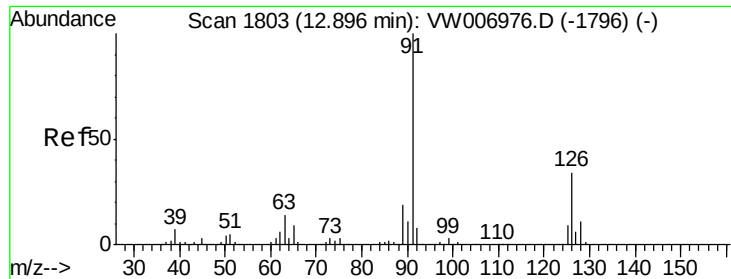
1,2,3-Trichloropropane
Concen: 94.102 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.16 min
Lab File: VW007109.D
Acq: 28 Nov 2018 13:26

Tgt Ion: 75 Resp: 1016
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





#79

2-Chlorotoluene

Concen: 1.609 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.09 min

Lab File: VW007109.D

Acq: 28 Nov 2018 13:26

Instrument :

MSVOA_W

ClientSampled :

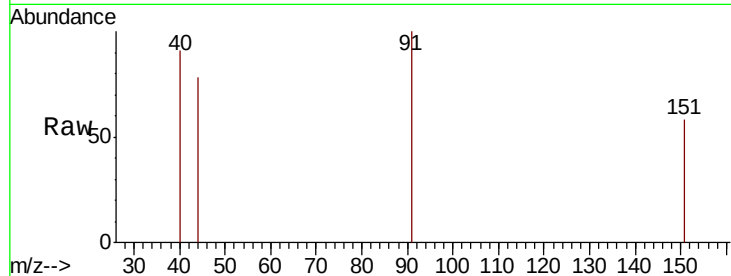
RCA-05

Tot Ion: 91 Resp: 120

Ion Ratio Lower Upper

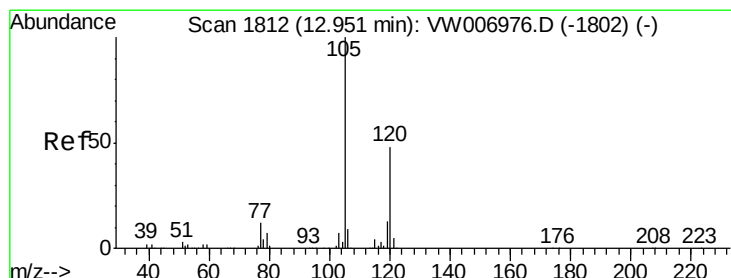
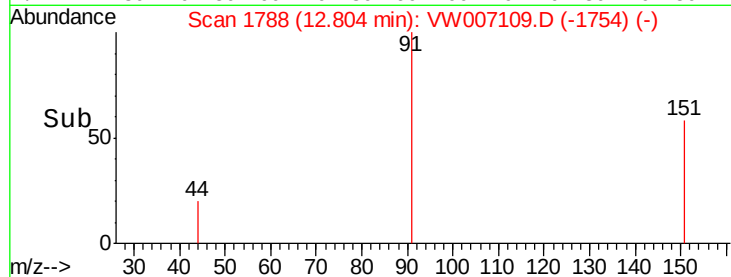
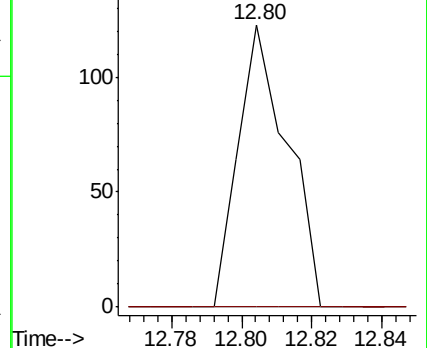
91 100

126 0.0 16.7 50.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 1.798 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW007109.D

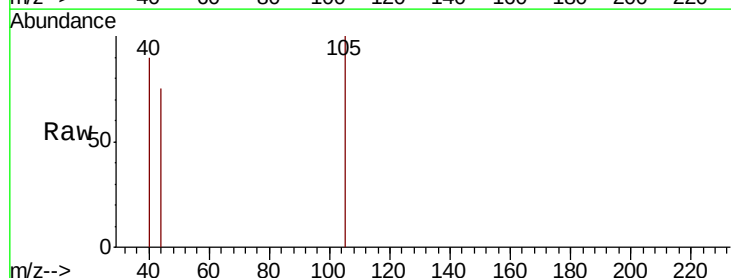
Acq: 28 Nov 2018 13:26

Tgt Ion: 105 Resp: 166

Ion Ratio Lower Upper

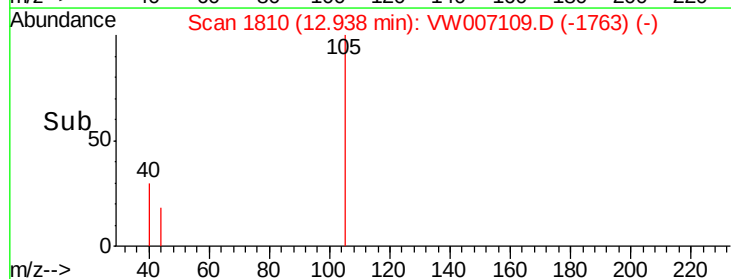
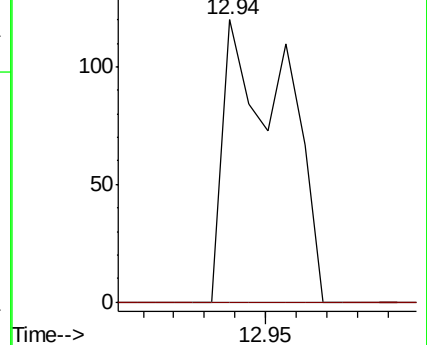
105 100

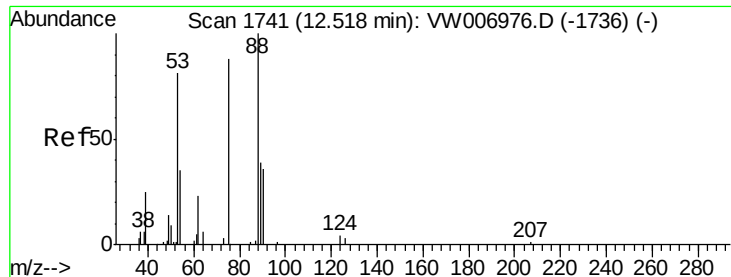
120 0.0 23.8 71.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

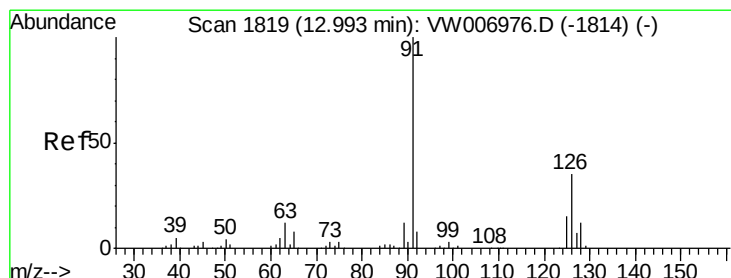
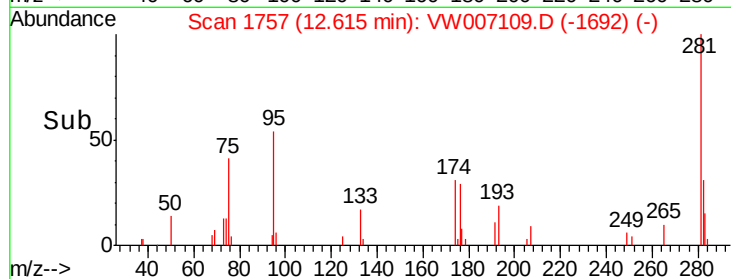
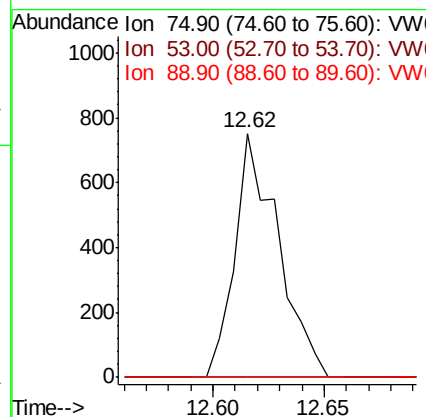
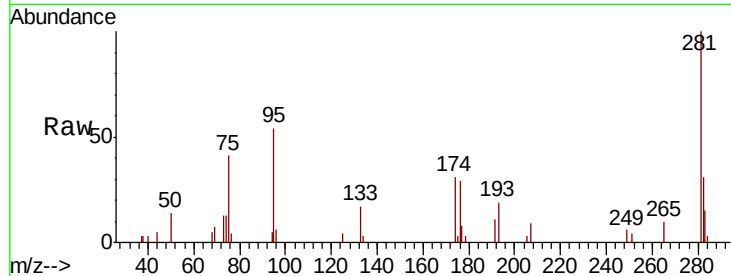




#81
trans-1,4-Dichloro-2-butene
Concen: 236.252 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW007109.D
Acq: 28 Nov 2018 13:26

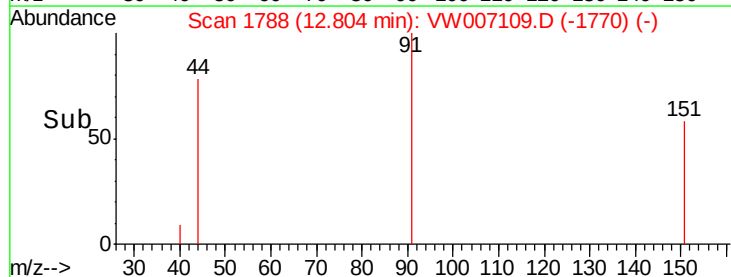
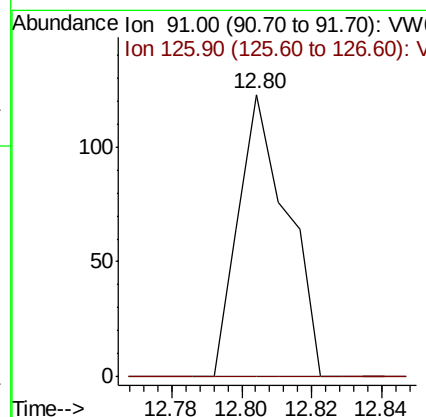
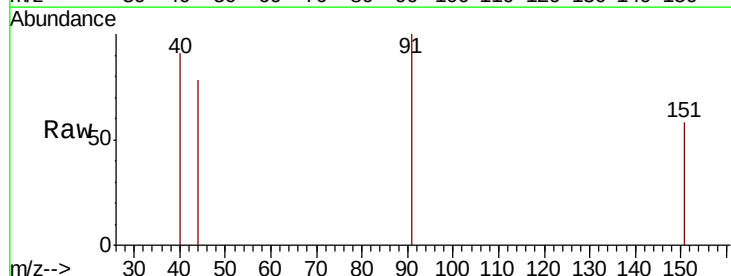
Instrument :
MSVOA_W
ClientSampleId :
RCA-05

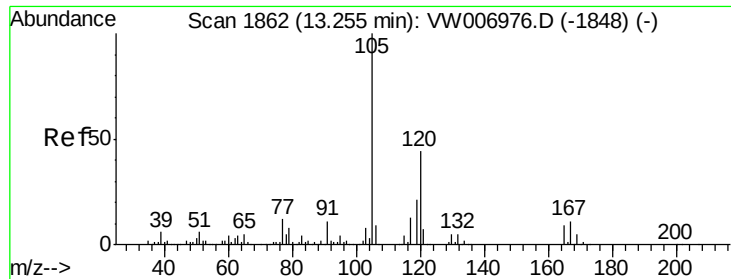
Tot Ion: 75 Resp: 1016
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 39.3 58.9#



#82
4-Chlorotoluene
Concen: 1.533 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.19 min
Lab File: VW007109.D
Acq: 28 Nov 2018 13:26

Tgt Ion: 91 Resp: 120
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.7#

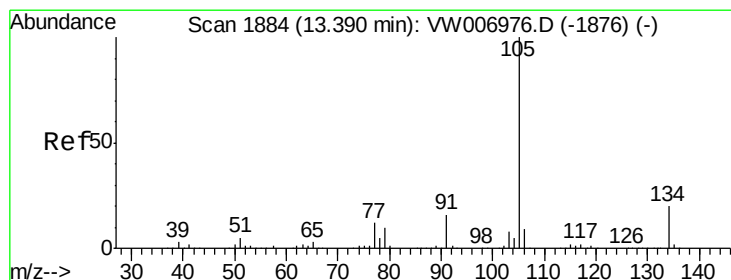
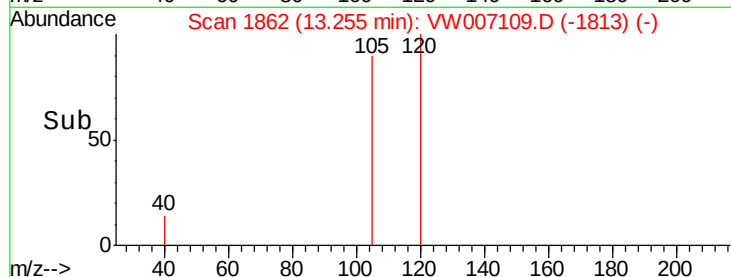
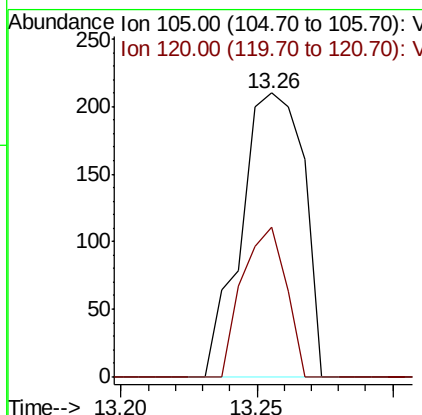
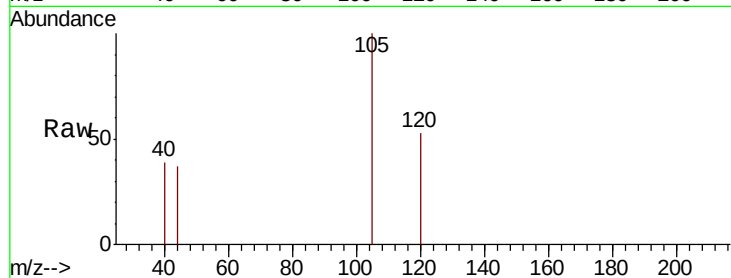




#84
 1,2,4-Trimethylbenzene
 Concen: 3.630 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007109.D
 Acq: 28 Nov 2018 13:26

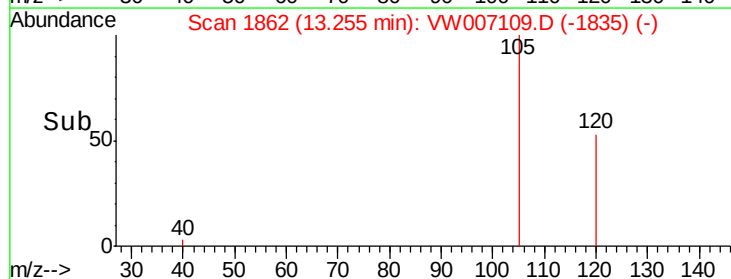
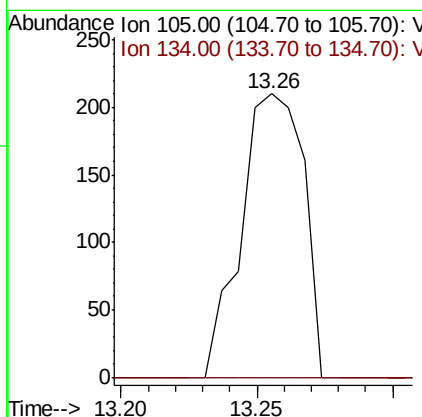
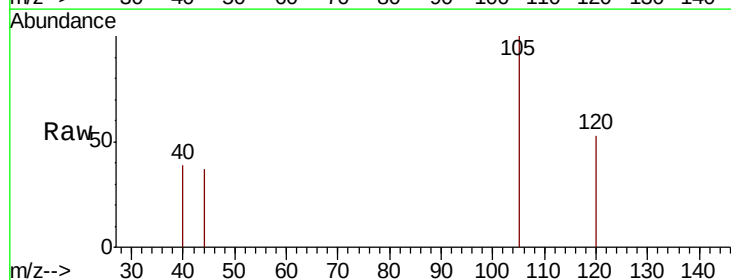
Instrument :
 MSVOA_W
 ClientSampled :
 RCA-05

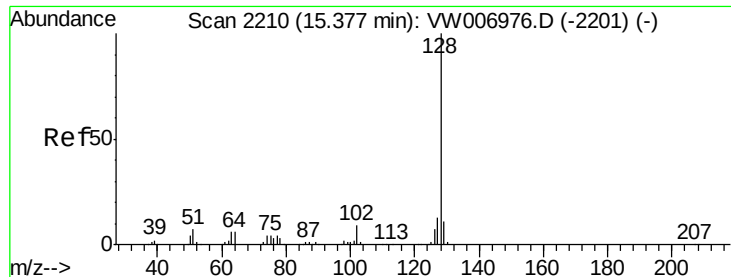
Tot Ion:105 Resp: 334
 Ion Ratio Lower Upper
 105 100
 120 36.8 21.8 65.3



#85
 sec-Butylbenzene
 Concen: 2.957 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW007109.D
 Acq: 28 Nov 2018 13:26

Tgt Ion:105 Resp: 334
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#





#95

Naphthalene

Concen: 3.930 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007109.D

Acq: 28 Nov 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

RCA-05

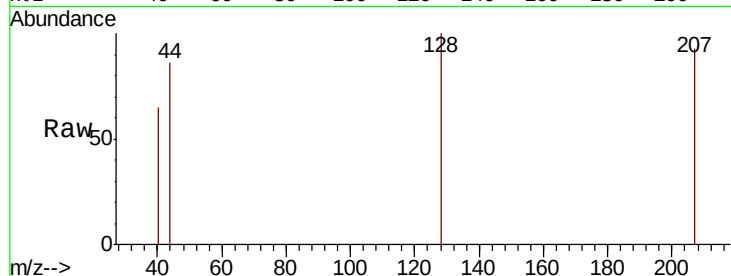
Tot Ion:128 Resp: 193

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

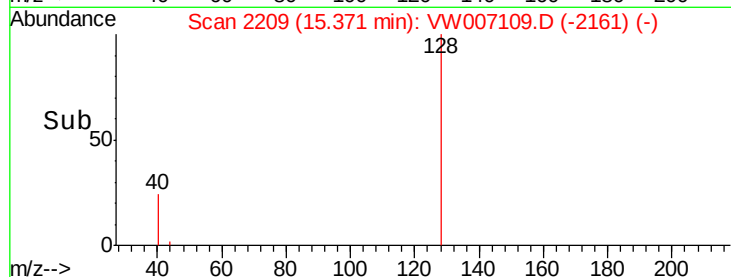
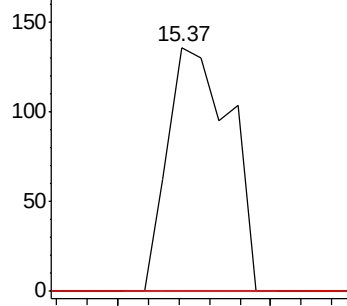
129 0.0 8.7 13.1#



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



Time-->