

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011209.D
 Acq On : 11 Jul 2019 00:31
 Operator : SY/VA
 Sample : K3626-03
 Misc : 5.30G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-070919-B

Quant Time: Jul 11 08:10:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 10 06:41:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	186467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	316786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107733	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	126591	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
35) Dibromofluoromethane	7.88	113	98310	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
50) Toluene-d8	10.32	98	391200	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.62	95	125063	44.71	ug/l	0.00
Spiked Amount			Recovery	=	89.42%	

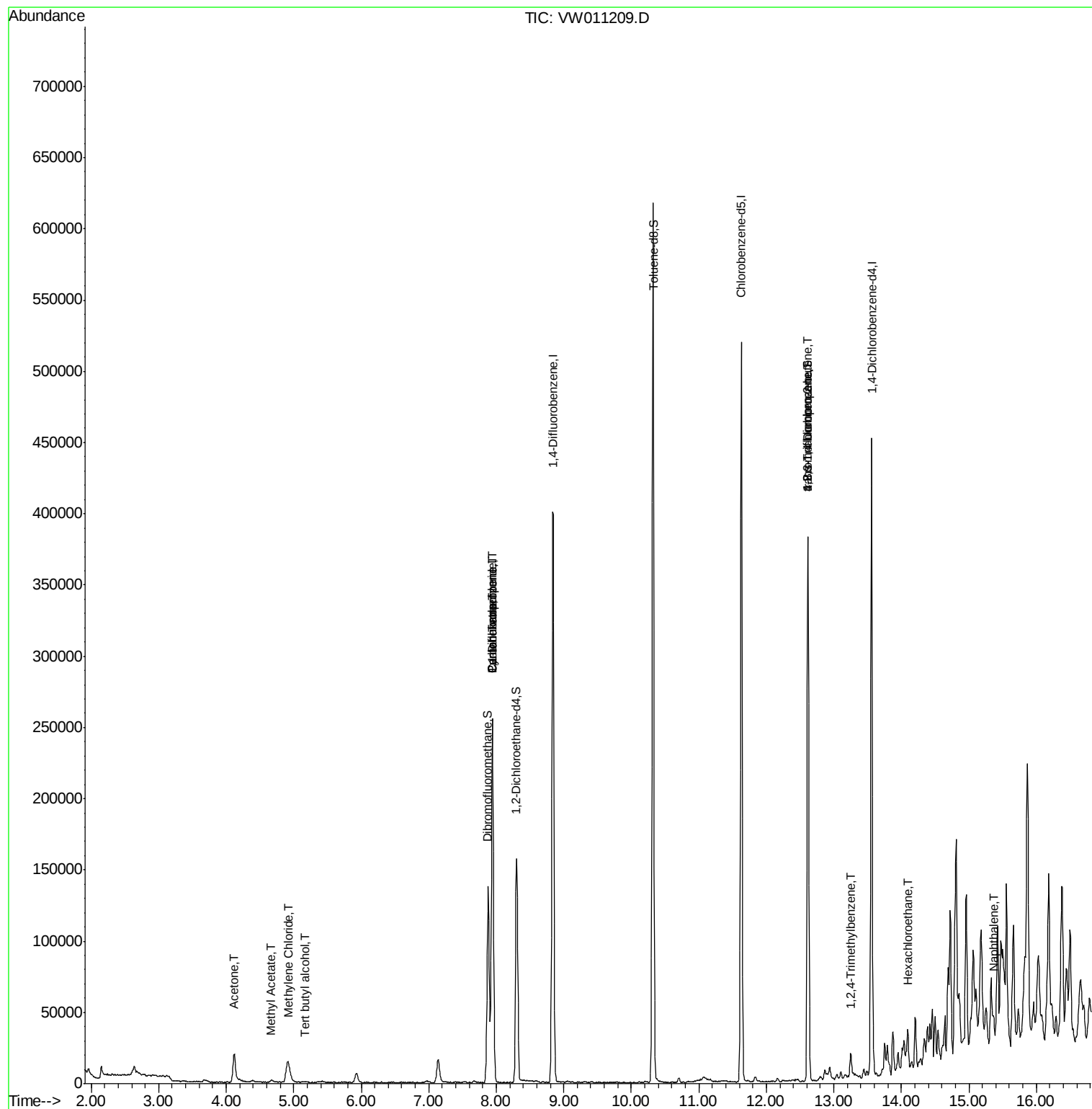
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	563	3.246	ug/l #	70
16) Acetone	4.12	43	37380	66.305	ug/l	99
18) Methyl Acetate	4.67	43	2979	1.690	ug/l #	90
20) Methylene Chloride	4.92	84	12649	5.688	ug/l	91
31) Cyclohexane	7.95	56	4819	1.062	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16306	4.834	ug/l #	51
38) Carbon Tetrachloride	7.95	117	18602	6.505	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	67184	53.963	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67184	122.055	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.25	105	9481	1.380	ug/l	100
90) Hexachloroethane	14.10	117	1489	1.103	ug/l #	11
95) Naphthalene	15.37	128	4972	1.194	ug/l #	91

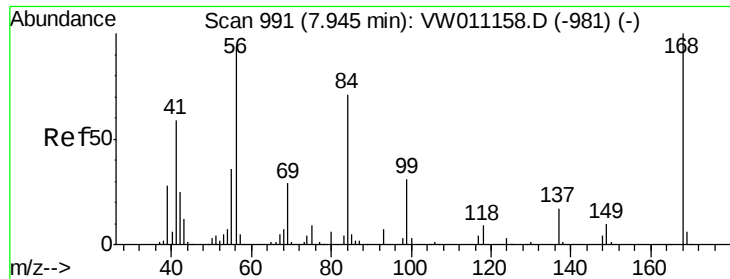
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071119\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011209.D

Acq: 11 Jul 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

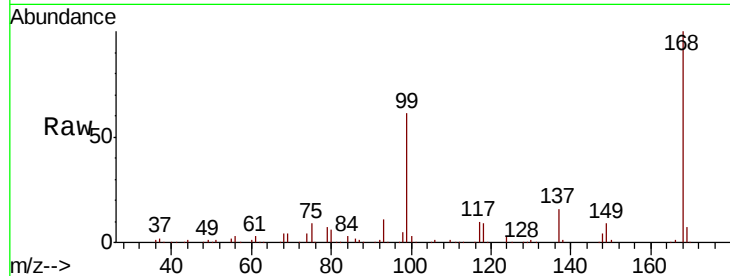
SU-02-070919-B

Tot Ion:168 Resp: 186467

Ion Ratio Lower Upper

168 100

99 60.6 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

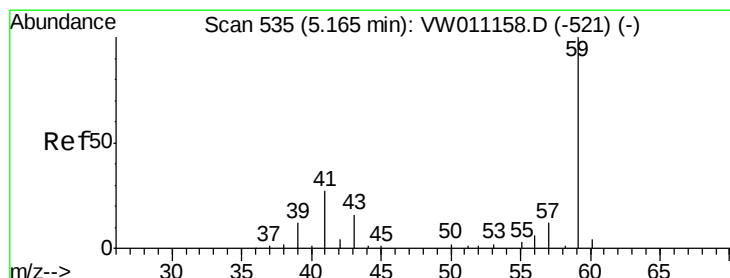
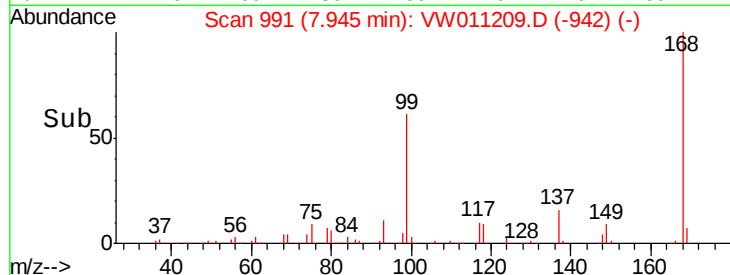
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 3.246 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW011209.D

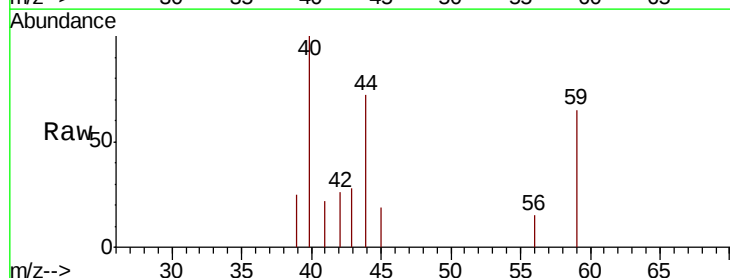
Acq: 11 Jul 2019 00:31

Tgt Ion: 59 Resp: 563

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

300

250

200

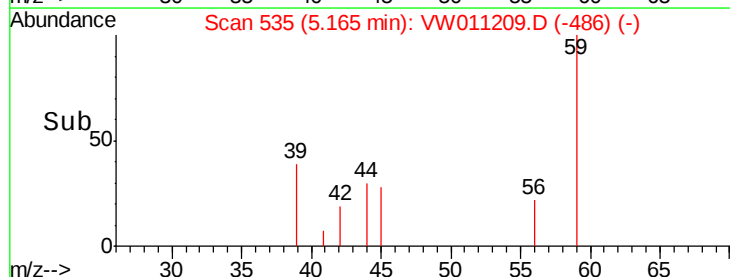
150

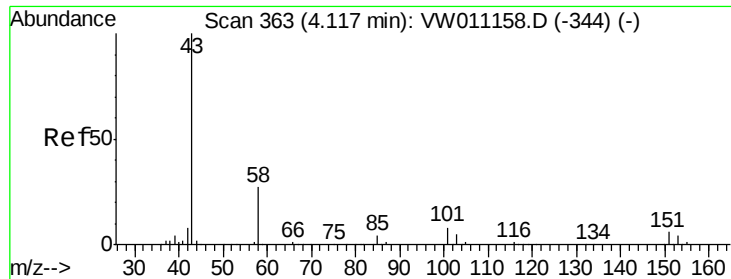
100

50

0

Time--> 5.15 5.20





#16

Acetone

Concen: 66.305 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011209.D

Acq: 11 Jul 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

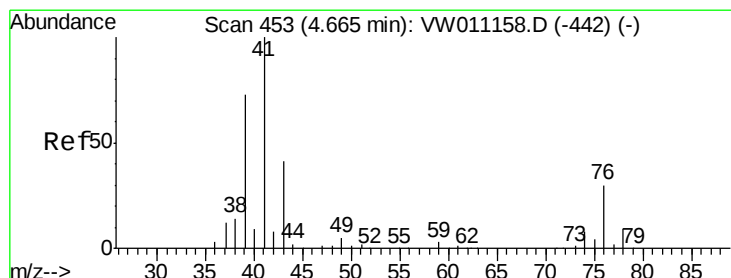
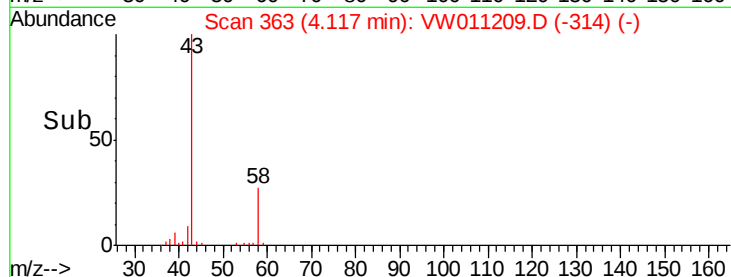
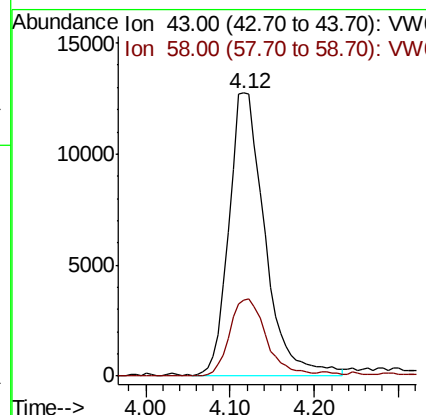
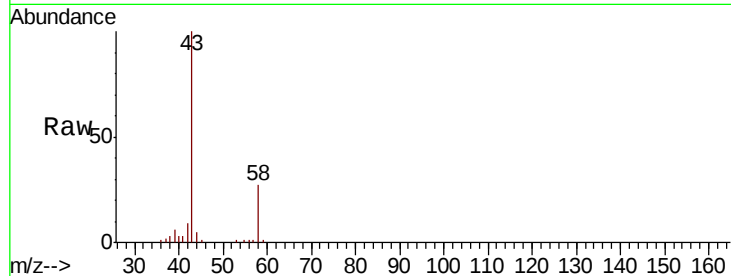
SU-02-070919-B

Tot Ion: 43 Resp: 37380

Ion Ratio Lower Upper

43 100

58 26.7 21.8 32.6



#18

Methyl Acetate

Concen: 1.690 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011209.D

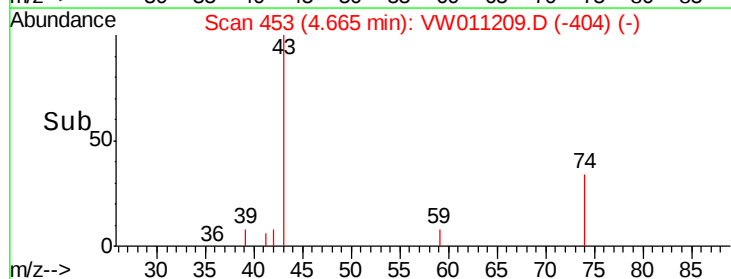
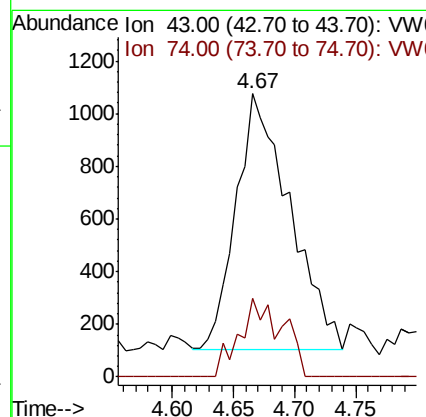
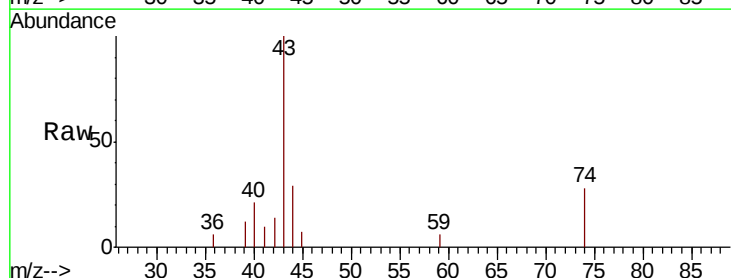
Acq: 11 Jul 2019 00:31

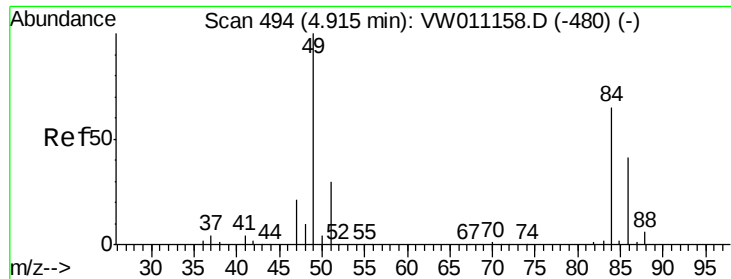
Tgt Ion: 43 Resp: 2979

Ion Ratio Lower Upper

43 100

74 24.2 15.7 23.5#

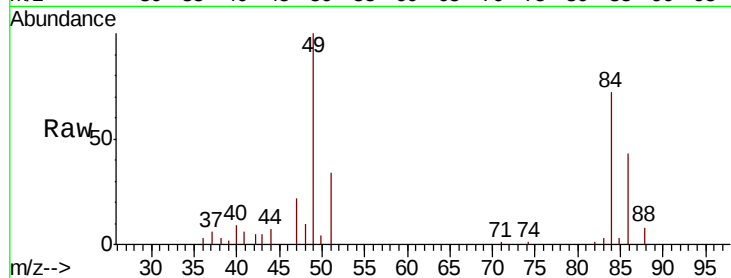




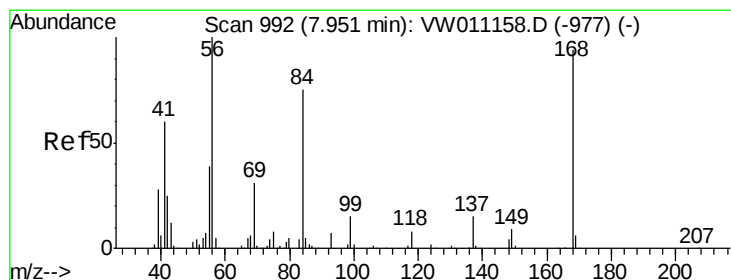
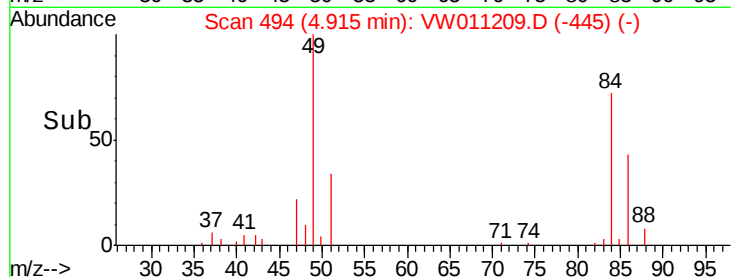
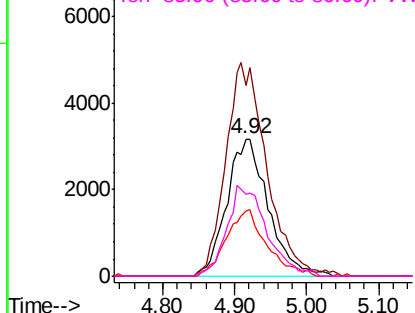
#20
Methvlene Chloride
Concen: 5.688 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011209.D
Acq: 11 Jul 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
SU-02-070919-B

Tot Ion: 84 Resp: 12649
Ion Ratio Lower Upper
84 100
49 139.0 123.8 185.6
51 47.6 37.4 56.2
86 59.5 51.1 76.7

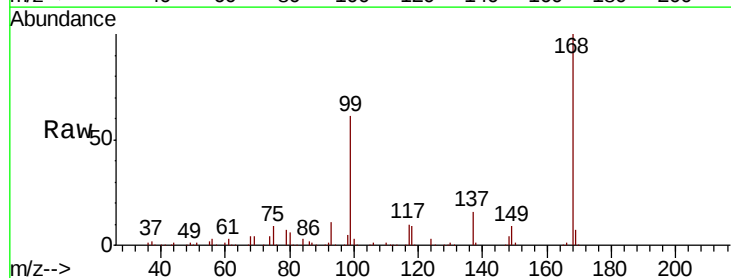


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

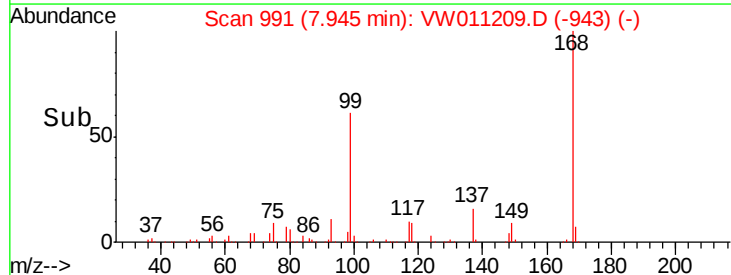
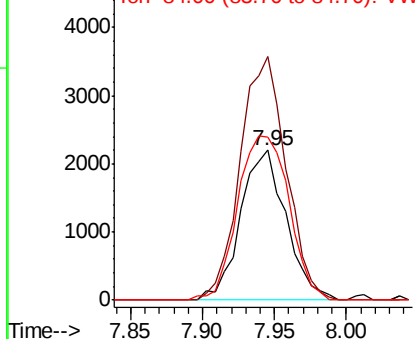


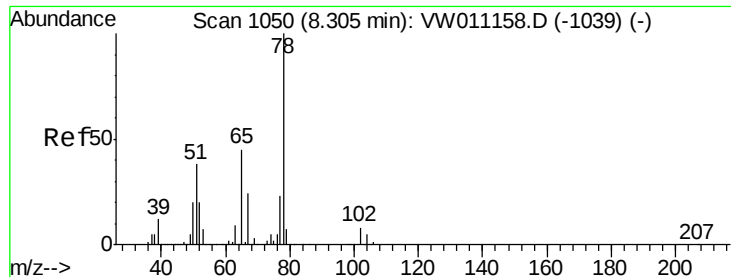
#31
Cyclohexane
Concen: 1.062 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011209.D
Acq: 11 Jul 2019 00:31

Tgt Ion: 56 Resp: 4819
Ion Ratio Lower Upper
56 100
69 162.8 24.6 36.8#
84 109.3 60.1 90.1#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 54.029 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011209.D

Acq: 11 Jul 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

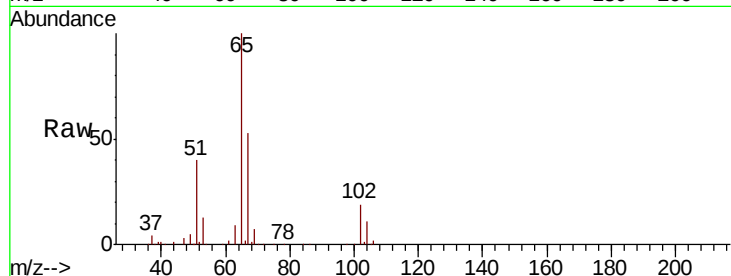
SU-02-070919-B

Tot Ion: 65 Resp: 126591

Ion Ratio Lower Upper

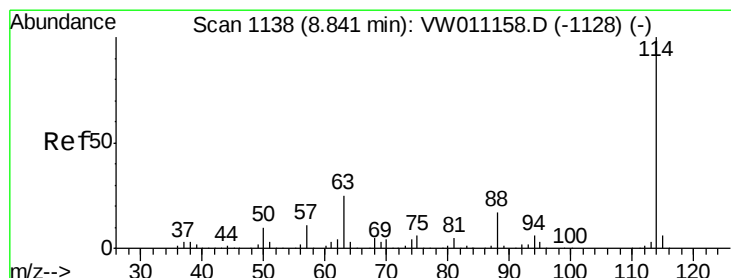
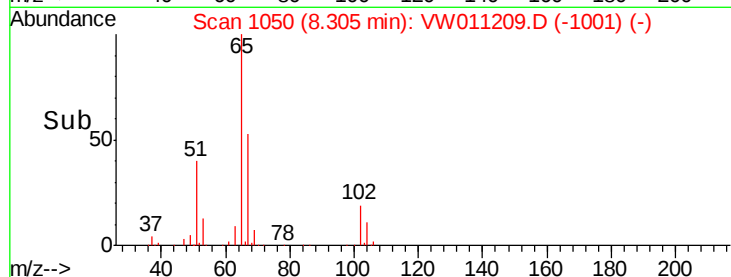
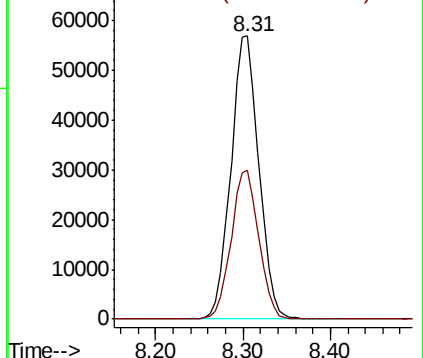
65 100

67 51.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011209.D

Acq: 11 Jul 2019 00:31

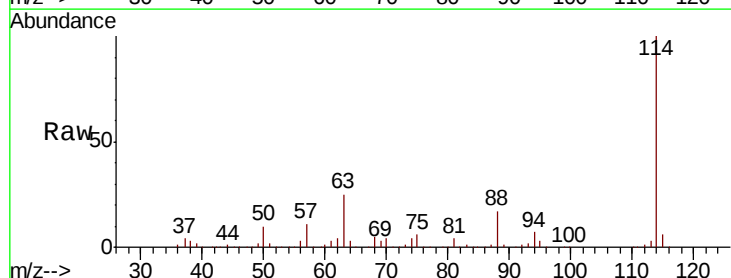
Tgt Ion: 114 Resp: 316786

Ion Ratio Lower Upper

114 100

63 24.7 0.0 50.8

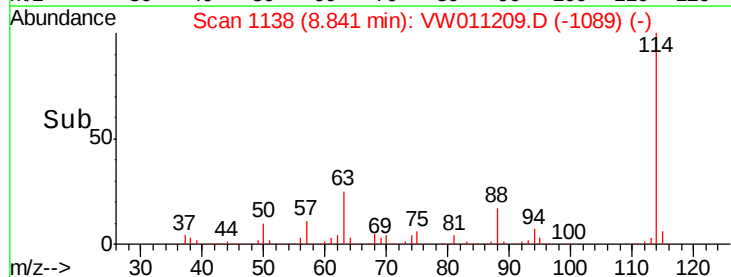
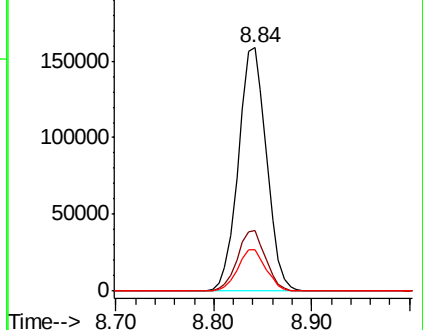
88 16.8 0.0 34.2

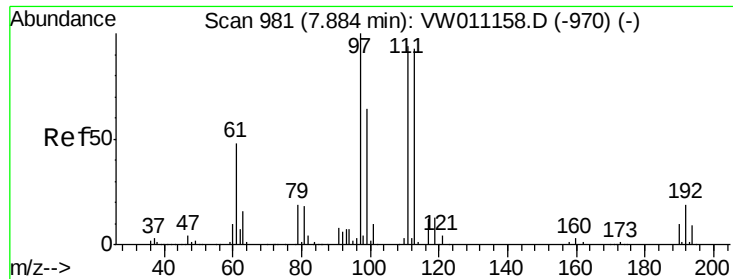


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

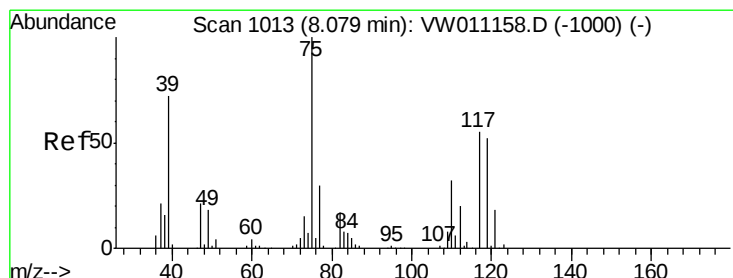
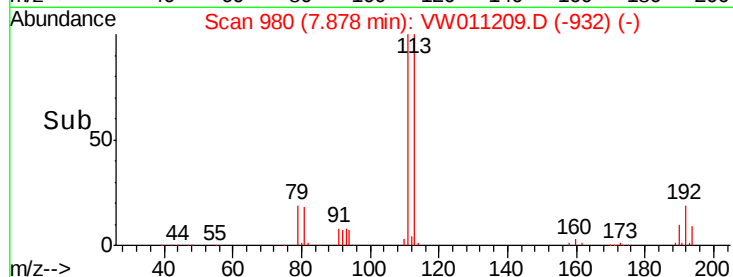
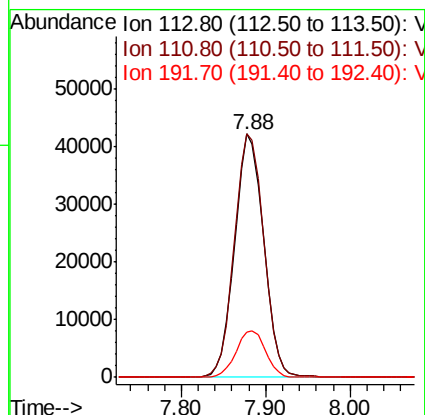
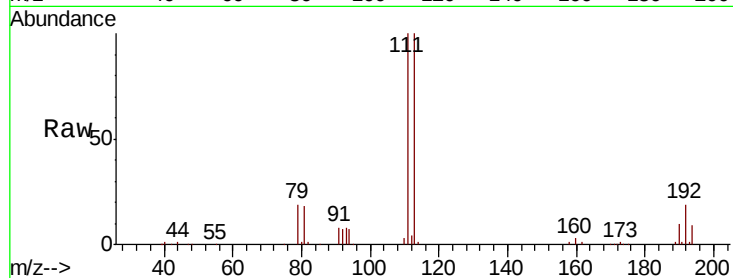




#35
 Dibromofluoromethane
 Concen: 52.066 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011209.D
 Acq: 11 Jul 2019 00:31

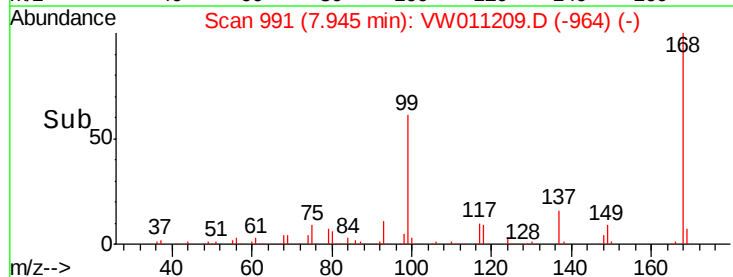
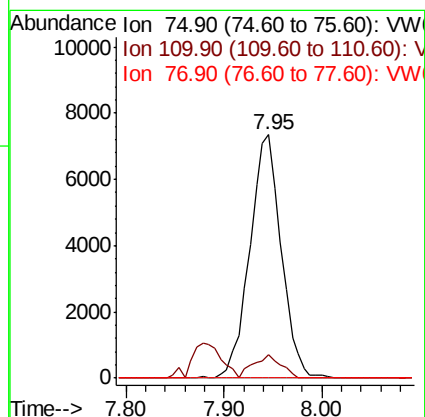
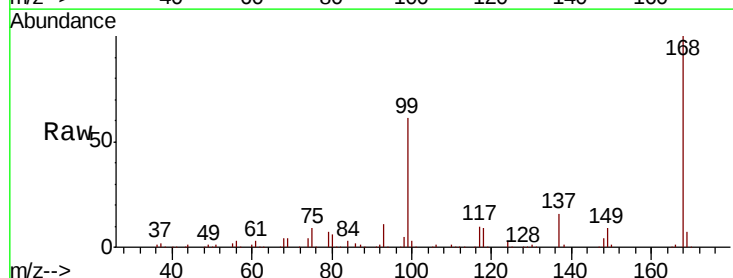
Instrument :
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 ClientSampleId :
 SU-02-070919-B

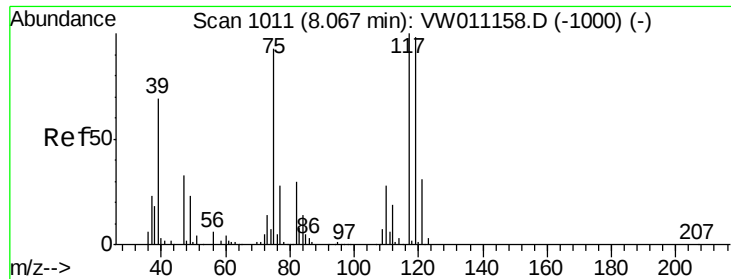
Tot Ion:113 Resp: 98310
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.4 123.6
 192 19.4 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.834 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011209.D
 Acq: 11 Jul 2019 00:31

Tgt Ion: 75 Resp: 16306
 Ion Ratio Lower Upper
 75 100
 110 8.4 15.9 47.6#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.505 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011209.D

Acq: 11 Jul 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

SU-02-070919-B

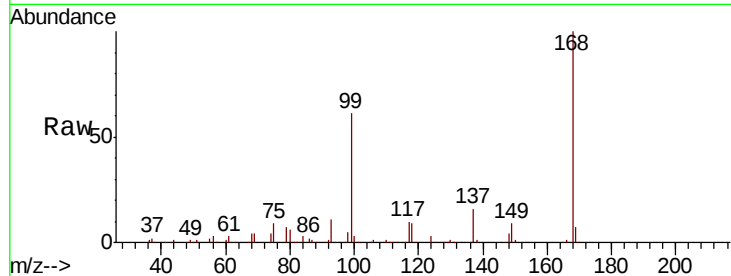
Tot Ion:117 Resp: 18602

Ion Ratio Lower Upper

117 100

119 4.7 78.1 117.1#

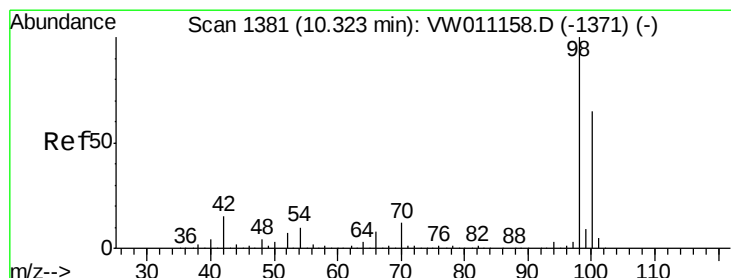
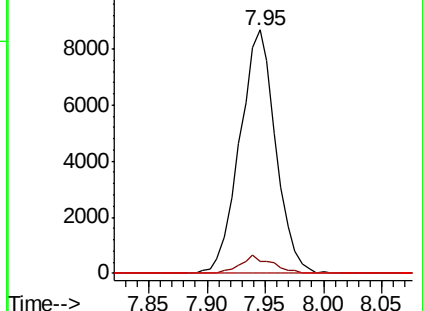
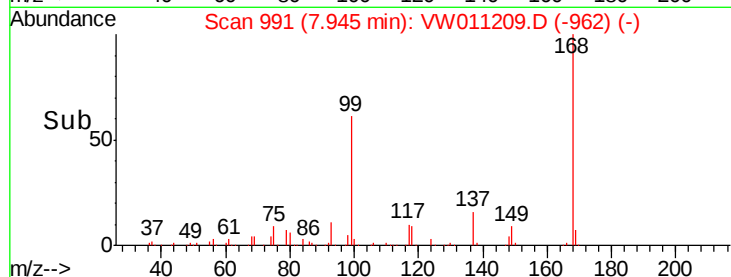
121 0.0 25.1 37.7#



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: 51.256 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011209.D

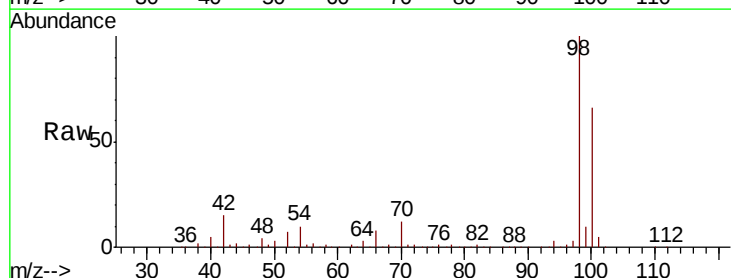
Acq: 11 Jul 2019 00:31

Tgt Ion: 98 Resp: 391200

Ion Ratio Lower Upper

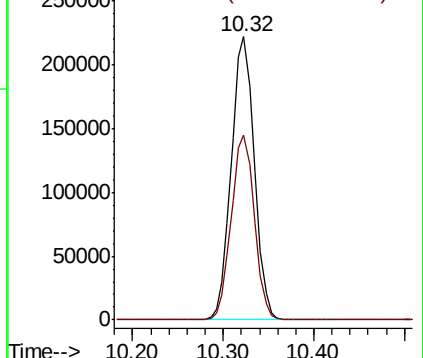
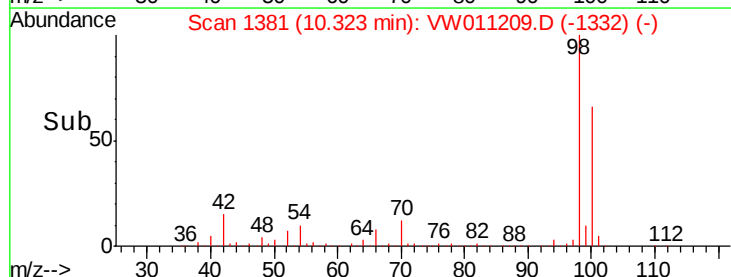
98 100

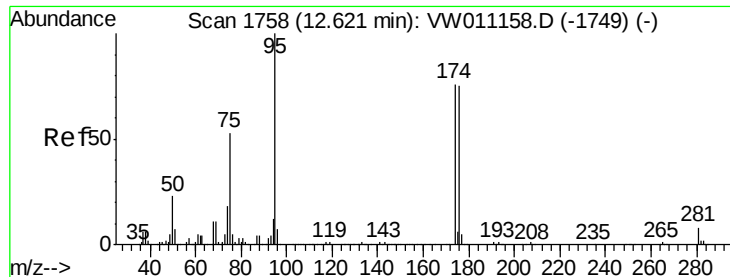
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

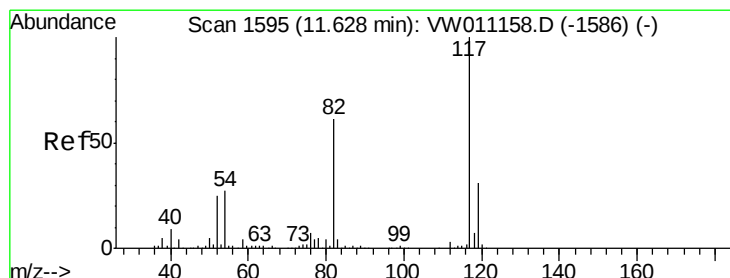
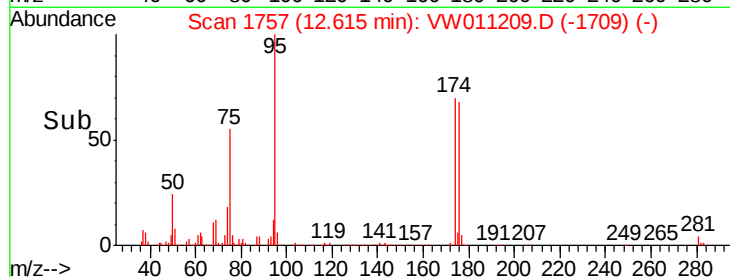
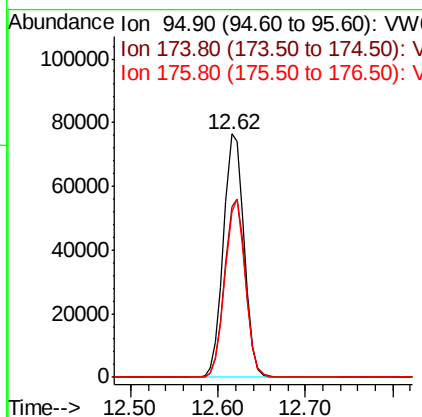
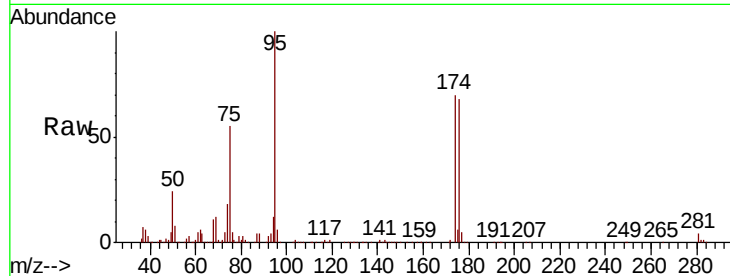




#62
4-Bromofluorobenzene
Concen: 44.705 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011209.D
Acq: 11 Jul 2019 00:31

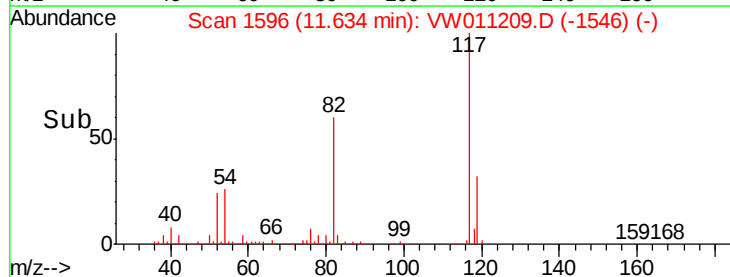
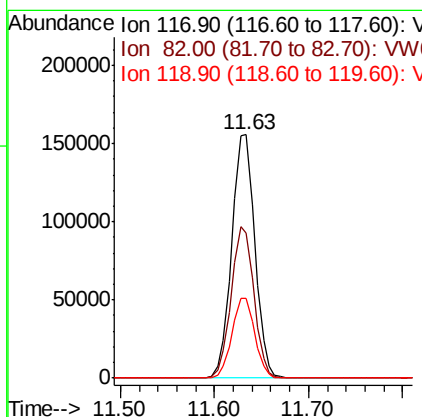
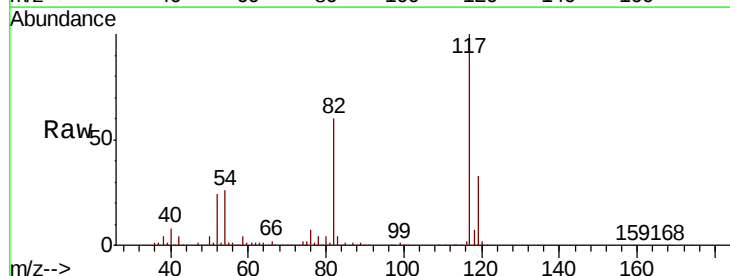
Instrument :
MSVOA_W
ClientSampleId :
SU-02-070919-B

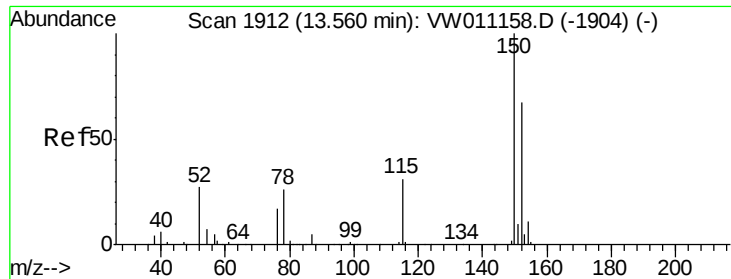
Tot Ion: 95 Resp: 125063
Ion Ratio Lower Upper
95 100
174 74.0 0.0 147.6
176 71.8 0.0 144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011209.D
Acq: 11 Jul 2019 00:31

Tgt Ion: 117 Resp: 265314
Ion Ratio Lower Upper
117 100
82 59.7 48.9 73.3
119 32.5 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011209.D

Acq: 11 Jul 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

SU-02-070919-B

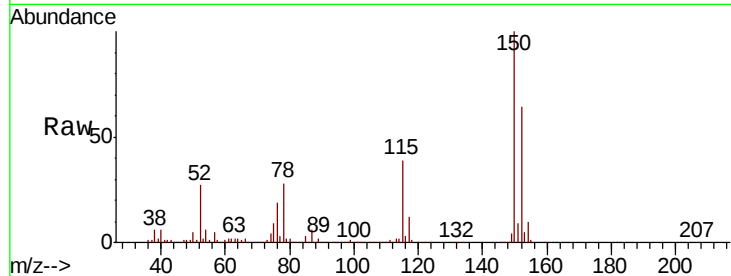
Tot Ion:152 Resp: 107733

Ion Ratio Lower Upper

152 100

115 61.8 30.1 90.3

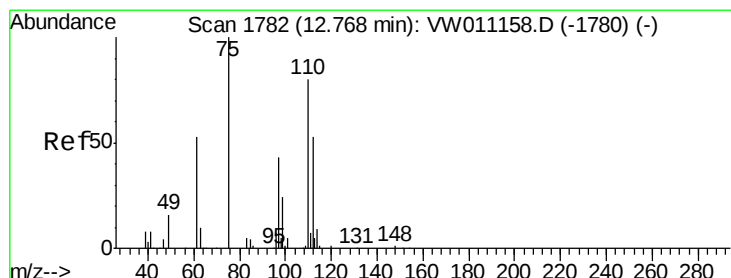
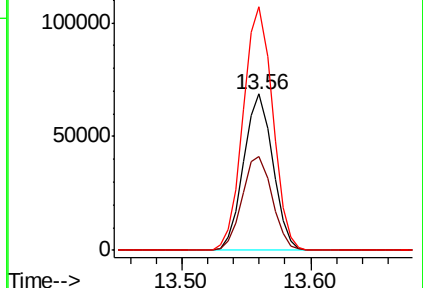
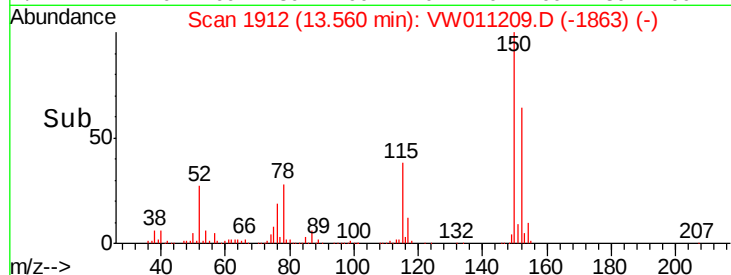
150 157.2 0.0 346.0



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: 53.963 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011209.D

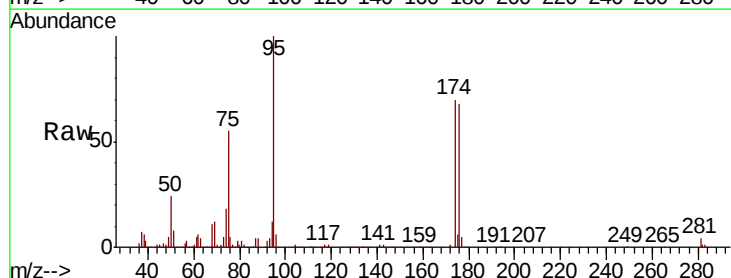
Acq: 11 Jul 2019 00:31

Tgt Ion: 75 Resp: 67184

Ion Ratio Lower Upper

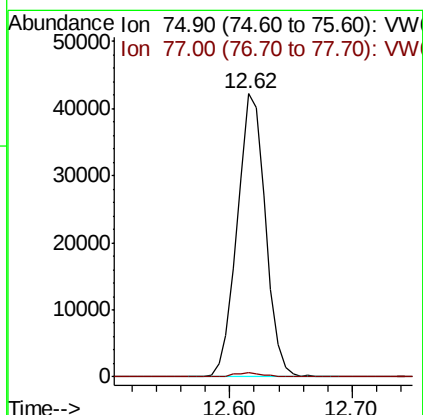
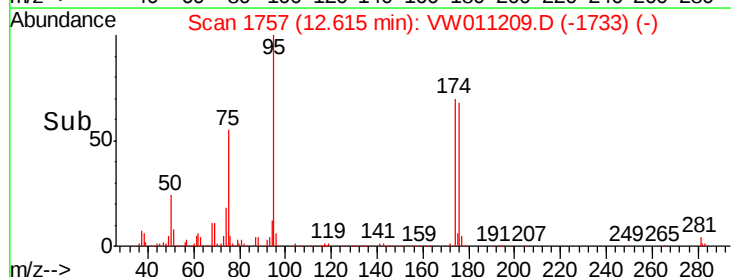
75 100

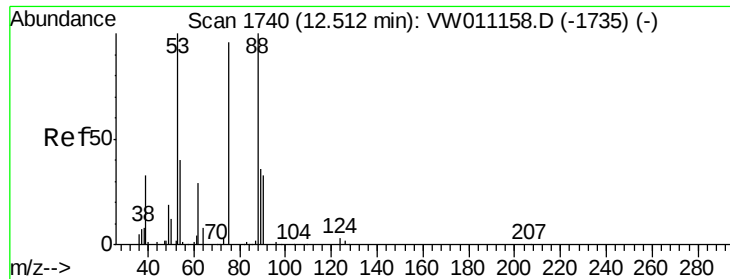
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 122.055 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011209.D

Acq: 11 Jul 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

SU-02-070919-B

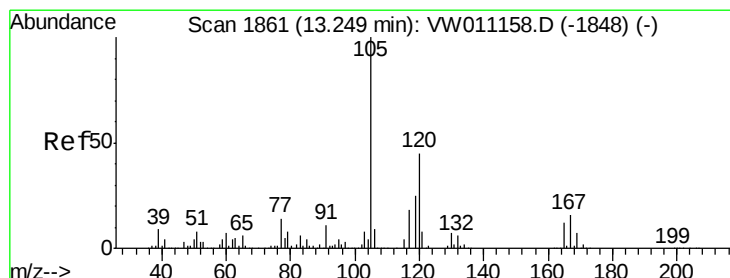
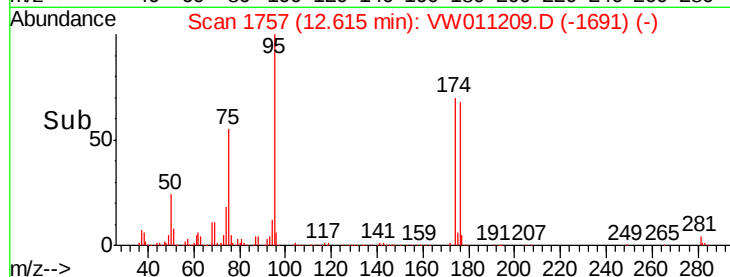
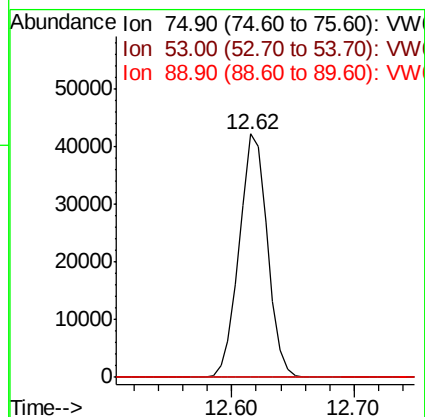
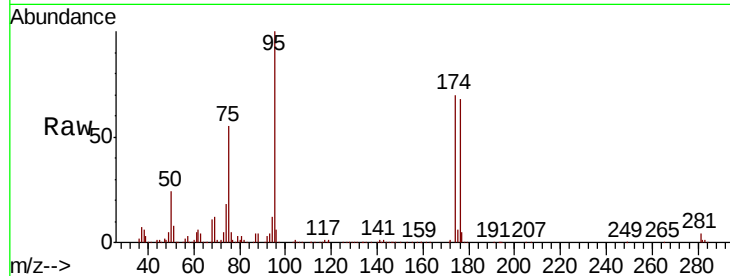
Tot Ion: 75 Resp: 67184

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.1 34.3 51.5#



#84

1,2,4-Trimethylbenzene

Concen: 1.380 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW011209.D

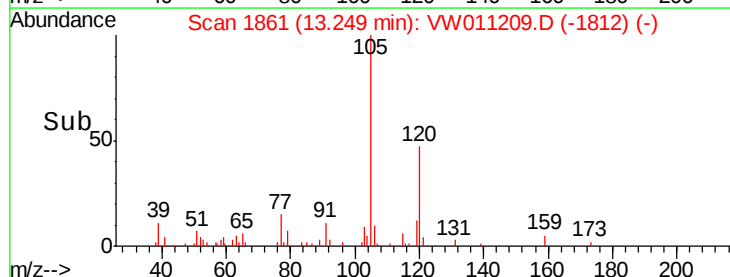
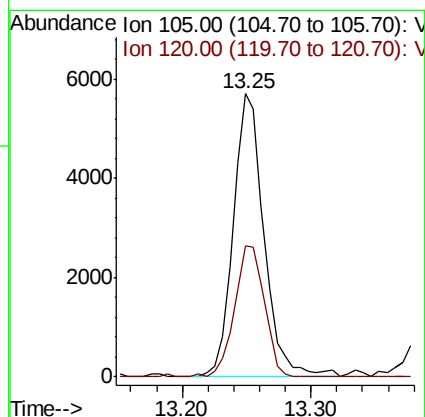
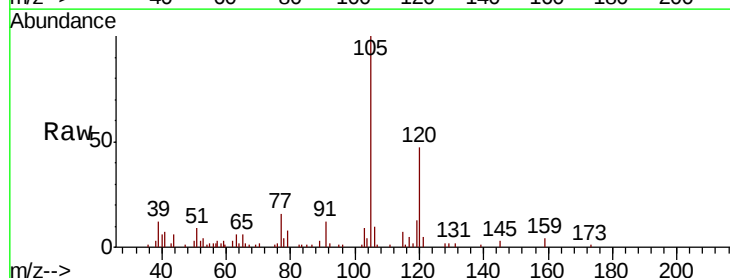
Acq: 11 Jul 2019 00:31

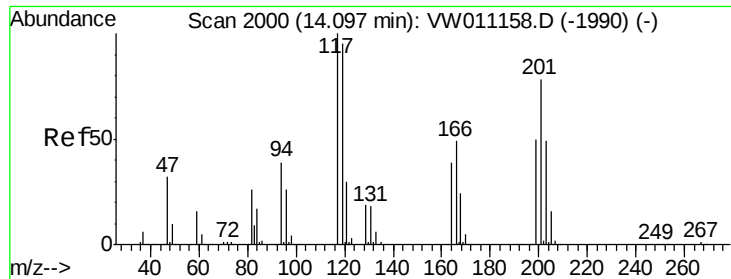
Tgt Ion: 105 Resp: 9481

Ion Ratio Lower Upper

105 100

120 44.7 22.3 66.9

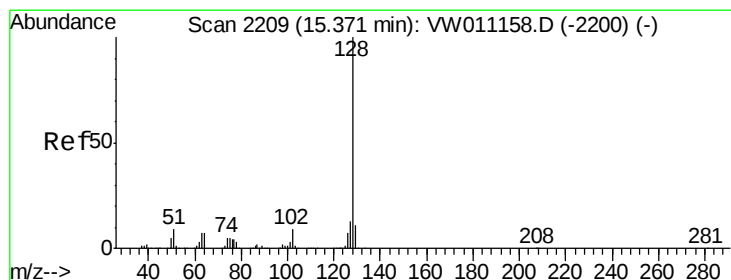
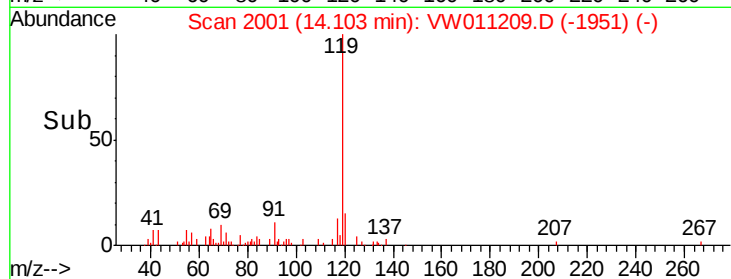
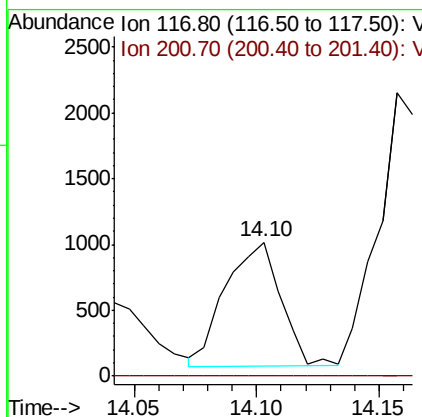
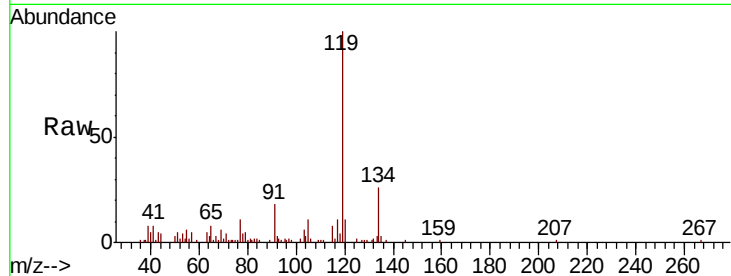




#90
Hexachloroethane
Concen: 1.103 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW011209.D
Acq: 11 Jul 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
SU-02-070919-B

Tot Ion:117 Resp: 1489
Ion Ratio Lower Upper
117 100
201 0.0 38.3 114.8#



#95
Naphthalene
Concen: 1.194 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011209.D
Acq: 11 Jul 2019 00:31

Tgt Ion:128 Resp: 4972
Ion Ratio Lower Upper
128 100
127 9.1 10.6 16.0#
129 8.1 8.7 13.1#

