

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
 Data File : VW009040.D
 Acq On : 07 Mar 2019 15:22
 Operator : SY/VA
 Sample : VW0307SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBL01

Quant Time: Mar 08 05:40:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	311562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	481794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	192708	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	168876	53.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.74%	
35) Dibromofluoromethane	7.88	113	145307	50.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.18%	
50) Toluene-d8	10.32	98	572514	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.62	95	194734	41.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.04%	

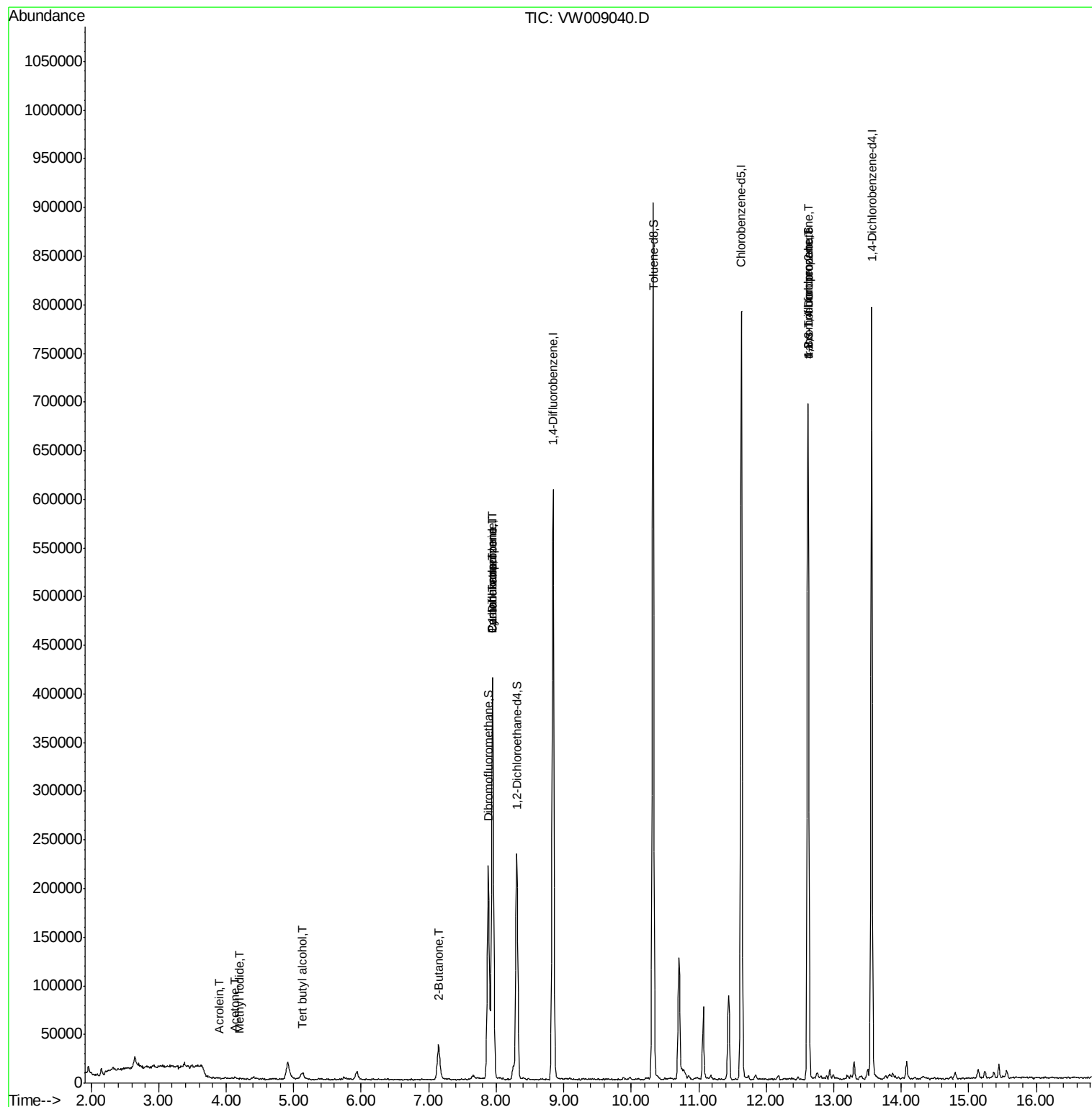
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.20	142	72	3.207	ug/l #	40
11) Tert butyl alcohol	5.12	59	6612	27.526	ug/l #	72
13) Acrolein	3.89	56	288	1.090	ug/l #	33
16) Acetone	4.12	43	3241	4.582	ug/l	90
20) Methylene Chloride	4.91	84	12117	Below Cal		96
25) 2-Butanone	7.15	43	2932	2.999	ug/l #	73
31) Cyclohexane	7.95	56	7555	1.292	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	23678	4.700	ug/l #	52
38) Carbon Tetrachloride	7.95	117	29796	5.727	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	103493	67.973	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	103493	152.039	ug/l #	5

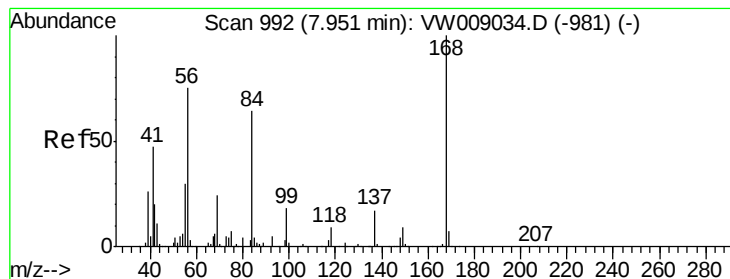
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009040.D

Acq: 07 Mar 2019 15:22

Instrument :

MSVOA_W

ClientSampleId :

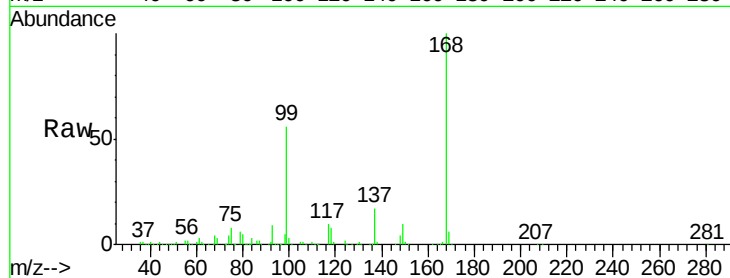
VW0307SBL01

Tgt Ion:168 Resp: 311562

Ion Ratio Lower Upper

168 100

99 56.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

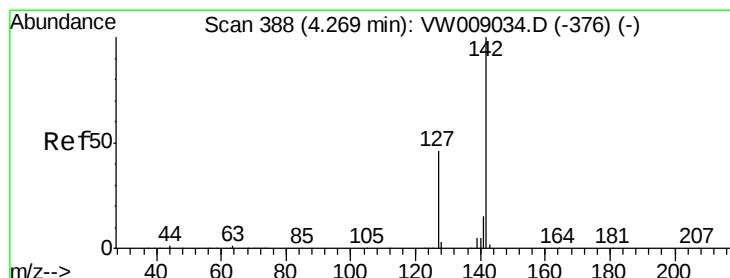
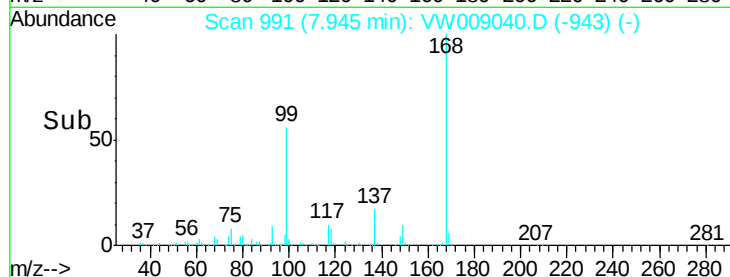
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#10

Methyl Iodide

Concen: 3.207 ug/l

RT: 4.20 min Scan# 376

Delta R.T. -0.07 min

Lab File: VW009040.D

Acq: 07 Mar 2019 15:22

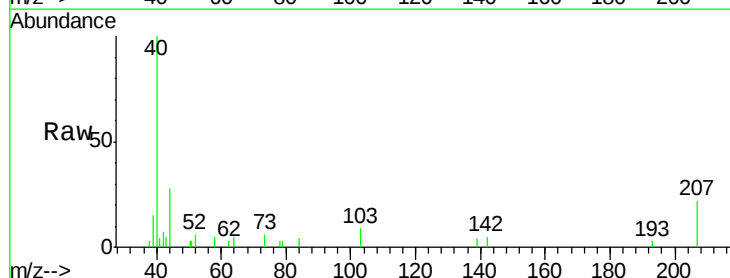
Tgt Ion:142 Resp: 72

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

141 0.0 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.20

120

100

80

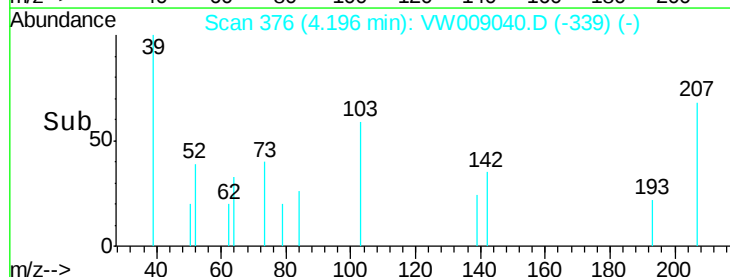
60

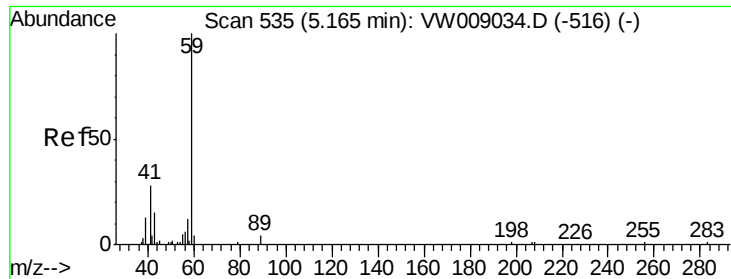
40

20

0

Time--> 4.16 4.18 4.20 4.22

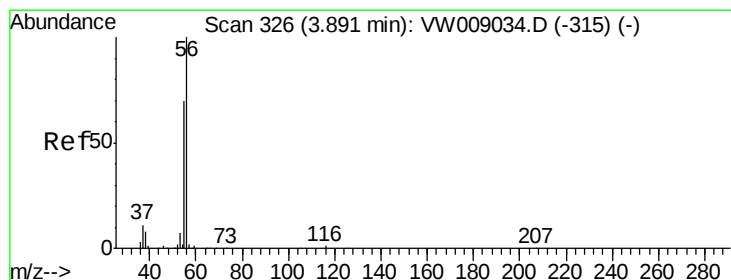
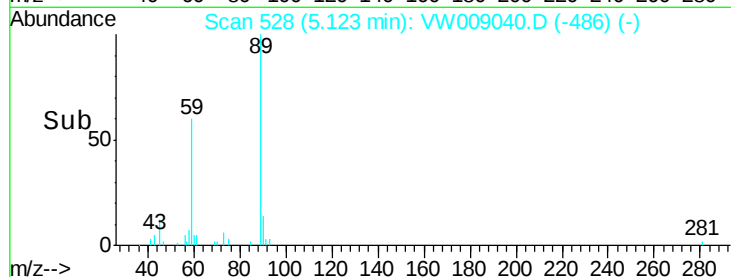
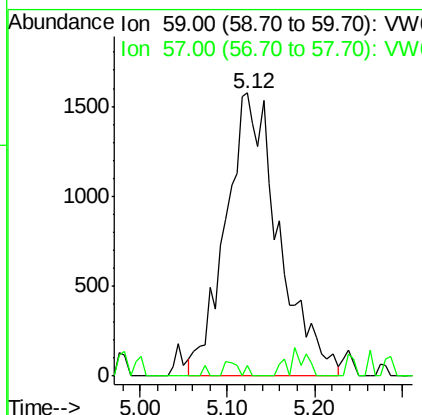
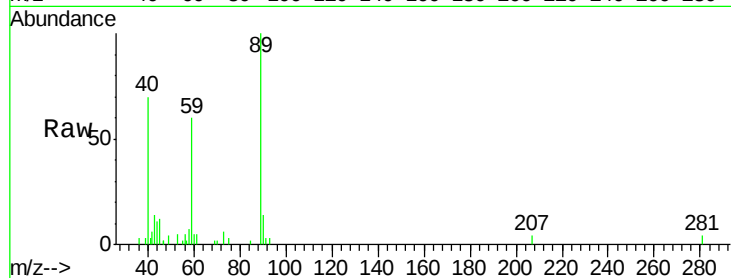




#11
Tert butyl alcohol
Concen: 27.526 ug/l
RT: 5.12 min Scan# 528
Delta R.T. -0.04 min
Lab File: VW009040.D
Acq: 07 Mar 2019 15:22

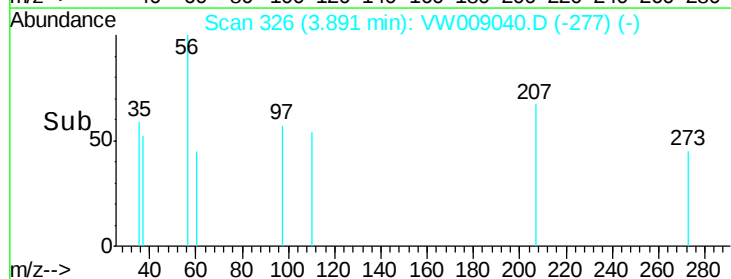
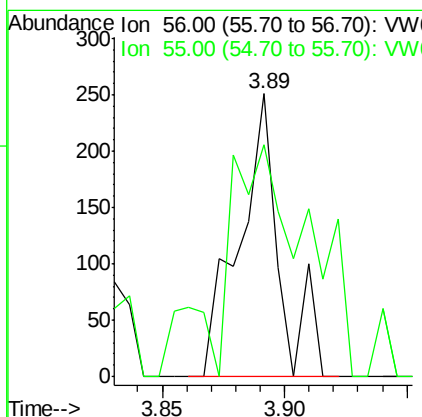
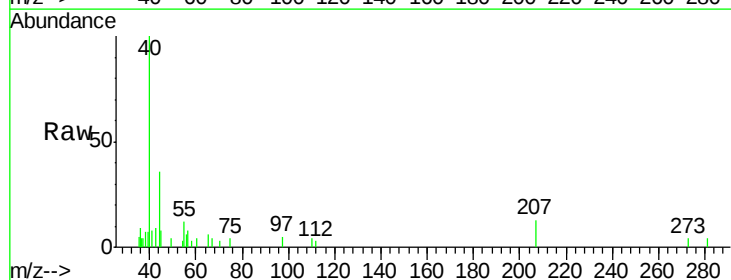
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VW0307SBL01

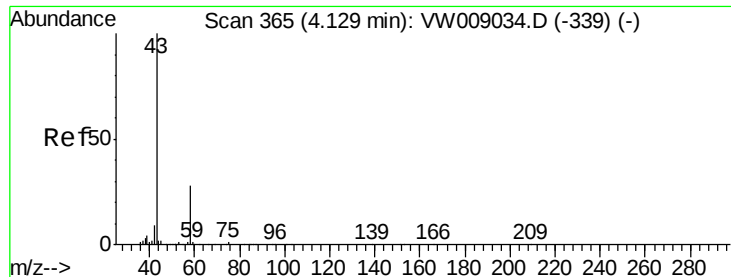
Tgt Ion: 59 Resp: 6612
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 1.090 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW009040.D
Acq: 07 Mar 2019 15:22

Tgt Ion: 56 Resp: 288
Ion Ratio Lower Upper
56 100
55 125.7 56.6 84.8#





#16

Acetone

Concen: 4.582 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW009040.D

Acq: 07 Mar 2019 15:22

Instrument :

MSVOA_W

ClientSampleId :

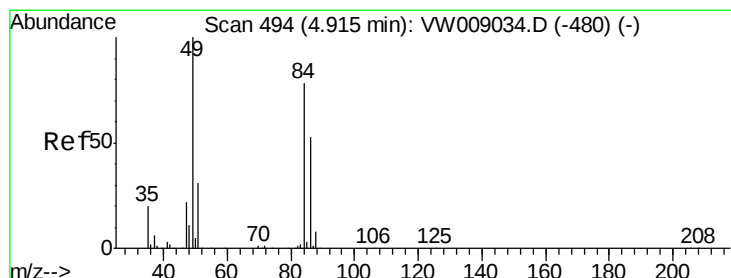
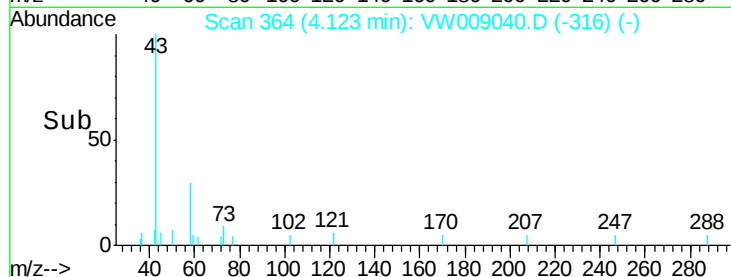
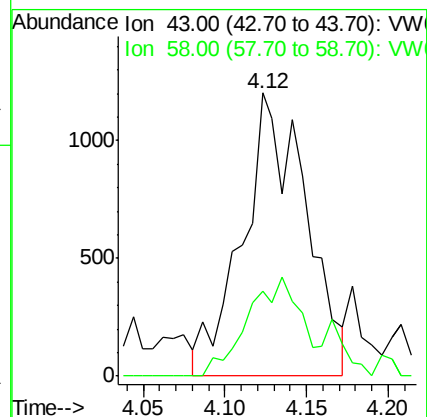
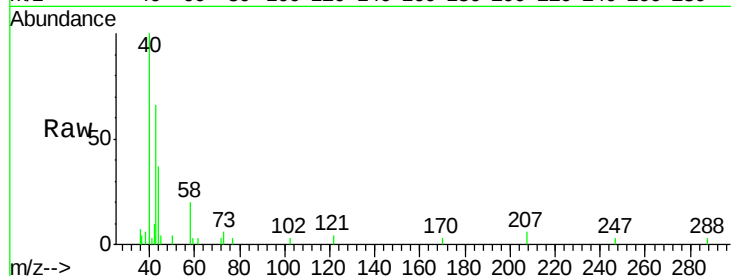
VW0307SBL01

Tgt Ion: 43 Resp: 3241

Ion Ratio Lower Upper

43 100

58 33.3 22.5 33.7



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009040.D

Acq: 07 Mar 2019 15:22

Tgt Ion: 84 Resp: 12117

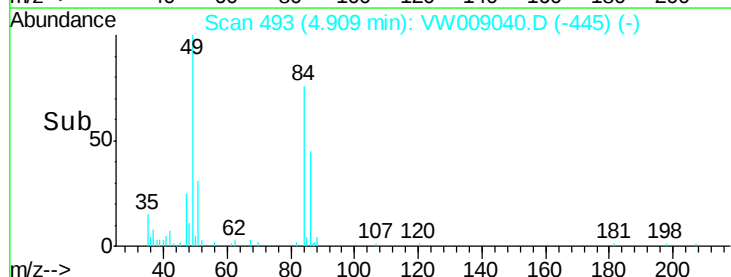
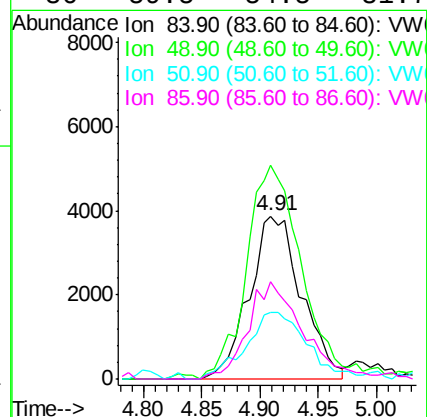
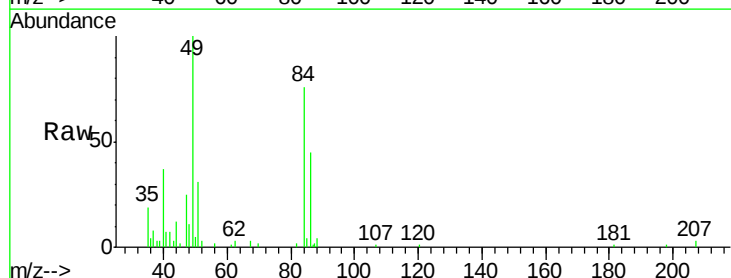
Ion Ratio Lower Upper

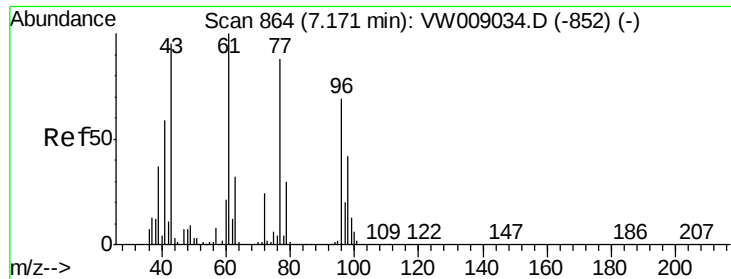
84 100

49 129.0 102.4 153.6

51 40.8 31.6 47.4

86 59.5 54.5 81.7





#25

2-Butanone

Concen: 2.999 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009040.D

Acq: 07 Mar 2019 15:22

Instrument :

MSVOA_W

ClientSampleId :

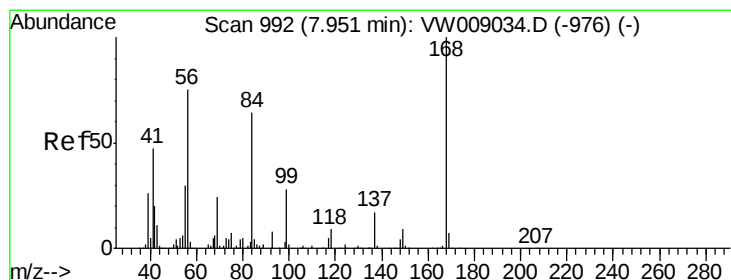
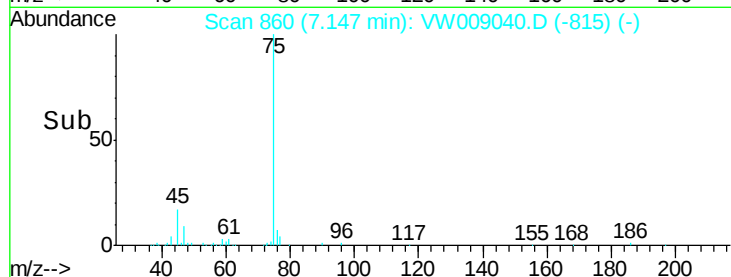
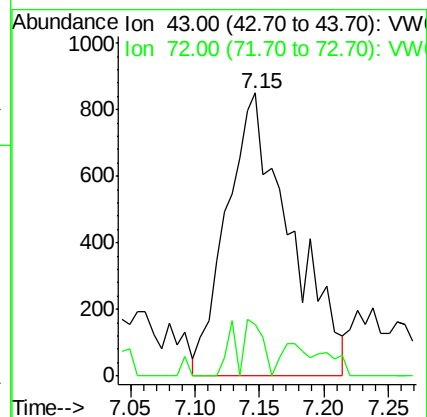
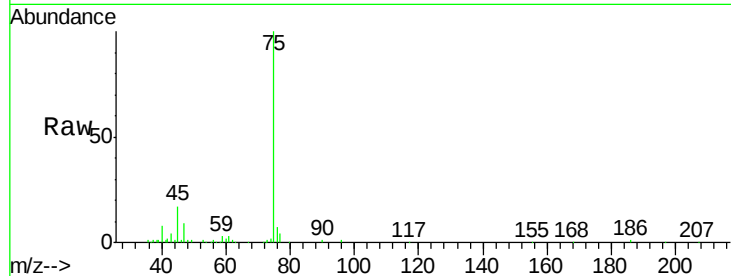
VW0307SBL01

Tgt Ion: 43 Resp: 2932

Ion Ratio Lower Upper

43 100

72 11.5 20.0 30.0#



#31

Cyclohexane

Concen: 1.292 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009040.D

Acq: 07 Mar 2019 15:22

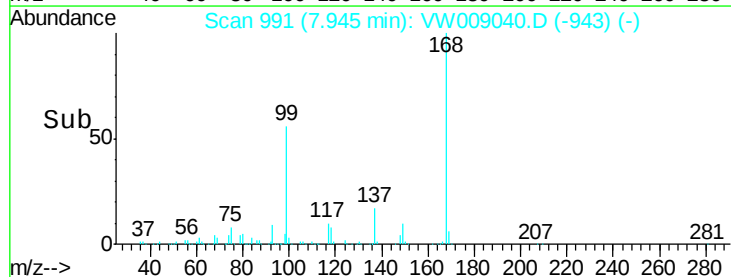
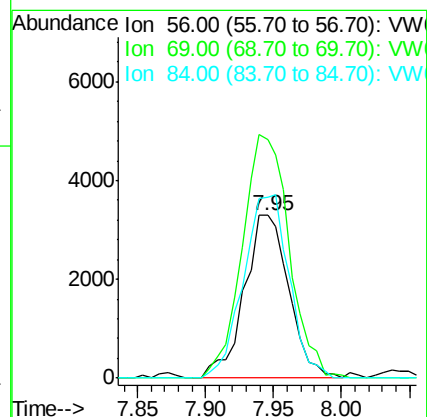
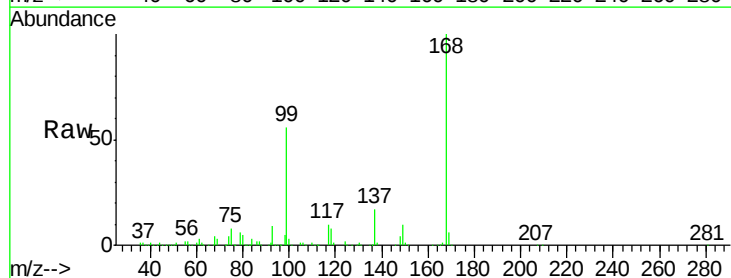
Tgt Ion: 56 Resp: 7555

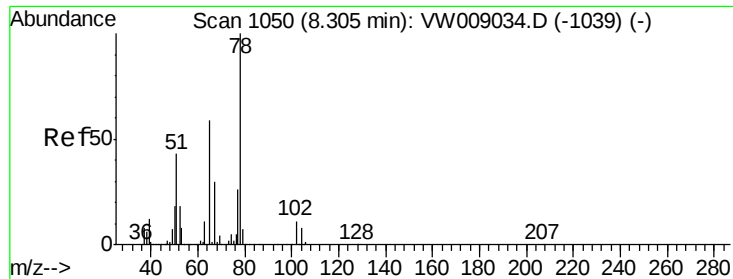
Ion Ratio Lower Upper

56 100

69 146.4 25.5 38.3#

84 110.8 68.6 103.0#

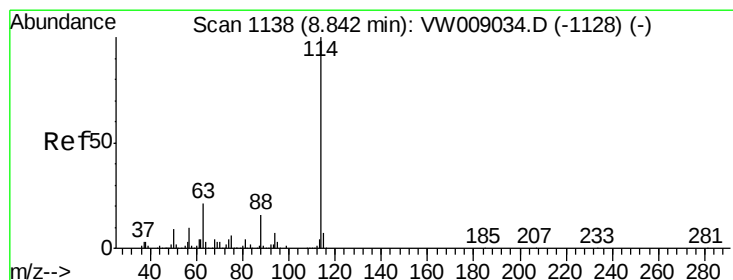
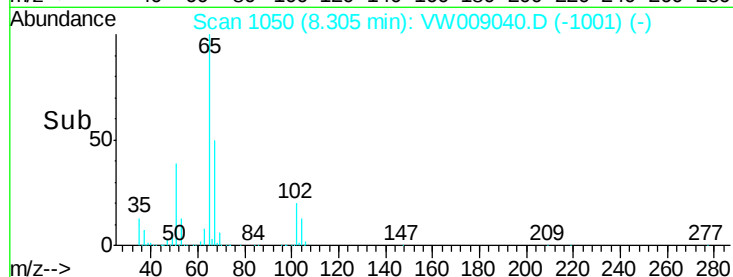
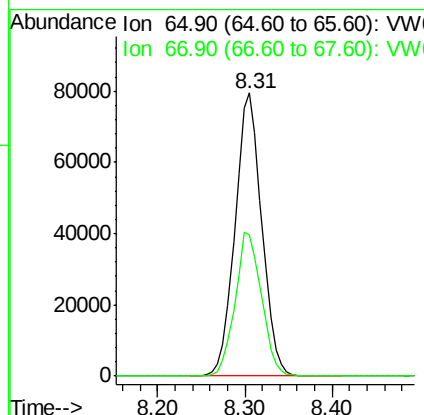
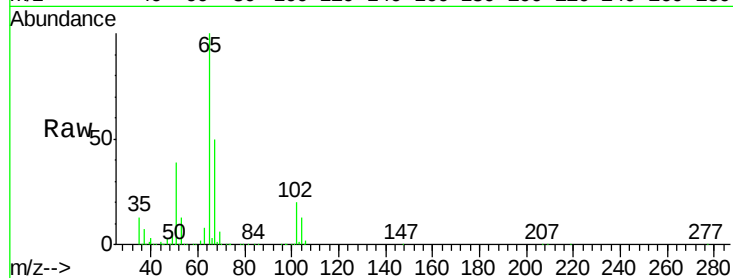




#33
 1,2-Dichloroethane-d4
 Concen: 53.875 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009040.D
 Acq: 07 Mar 2019 15:22

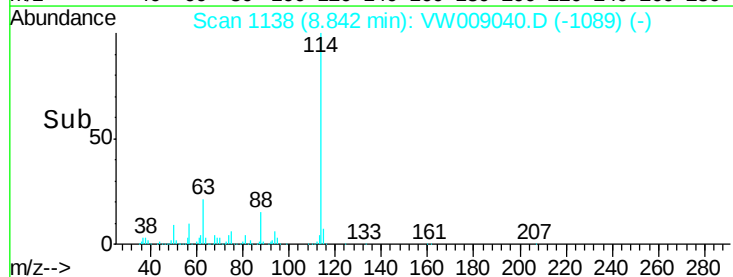
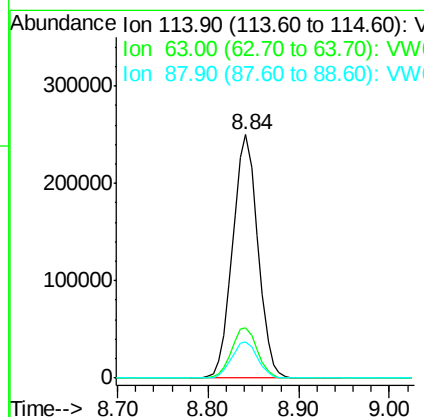
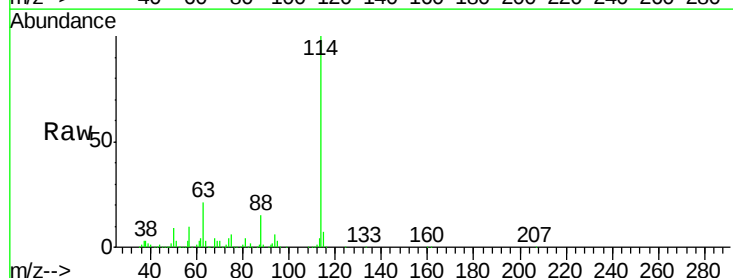
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBL01

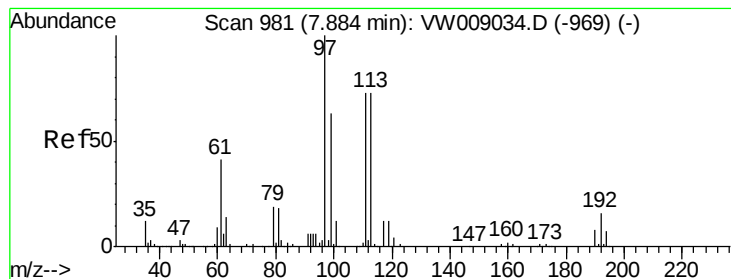
Tgt Ion: 65 Resp: 168876
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009040.D
 Acq: 07 Mar 2019 15:22

Tgt Ion: 114 Resp: 481794
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.2
 88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.092 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009040.D

Acq: 07 Mar 2019 15:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBL01

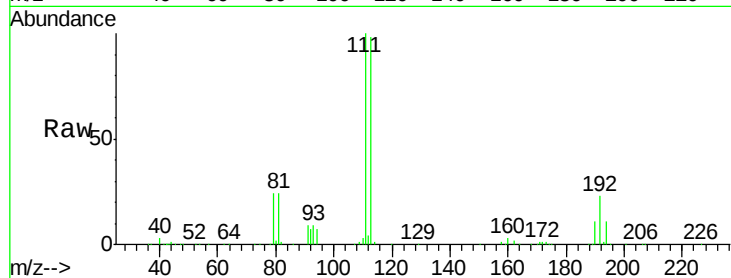
Tgt Ion:113 Resp: 145307

Ion Ratio Lower Upper

113 100

111 103.2 81.0 121.4

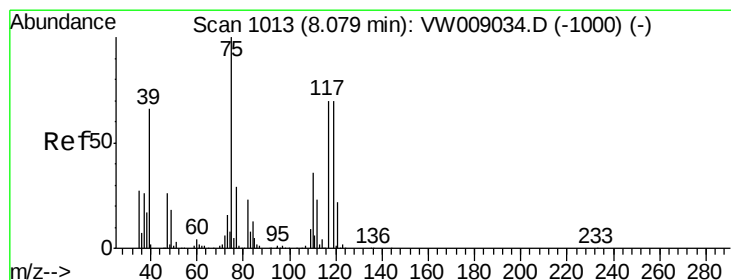
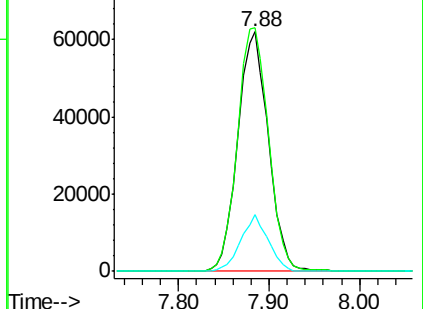
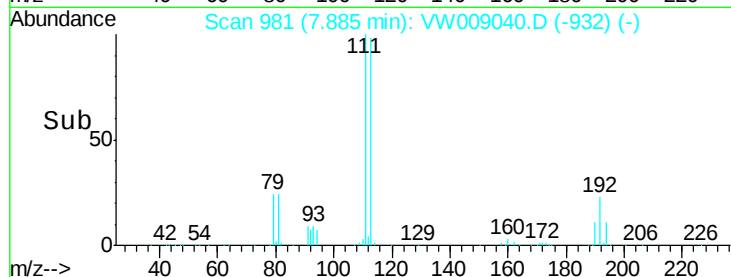
192 21.2 17.1 25.7



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: 4.700 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009040.D

Acq: 07 Mar 2019 15:22

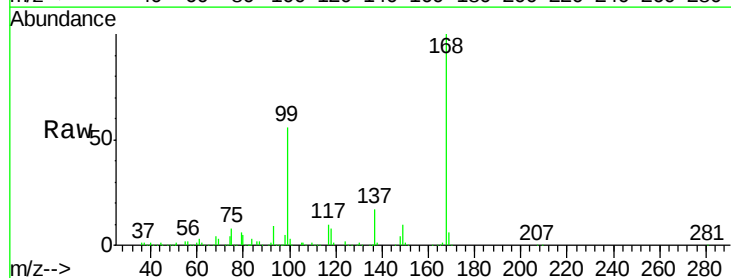
Tgt Ion: 75 Resp: 23678

Ion Ratio Lower Upper

75 100

110 12.0 17.6 52.9#

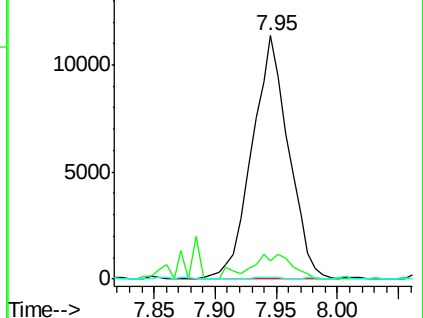
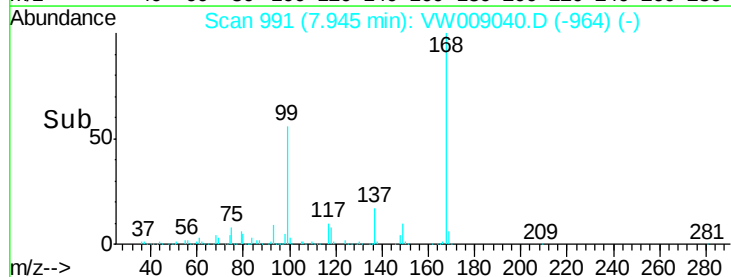
77 0.4 25.1 37.7#

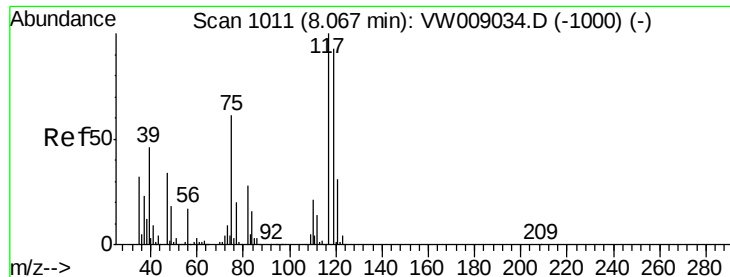


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.727 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009040.D

Acq: 07 Mar 2019 15:22

Instrument :

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VW0307SBL01

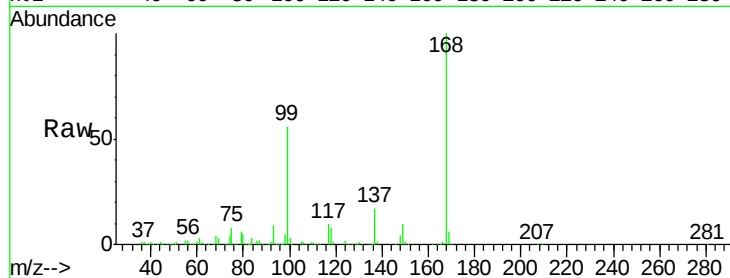
Tgt Ion:117 Resp: 29796

Ion Ratio Lower Upper

117 100

119 6.7 74.6 112.0#

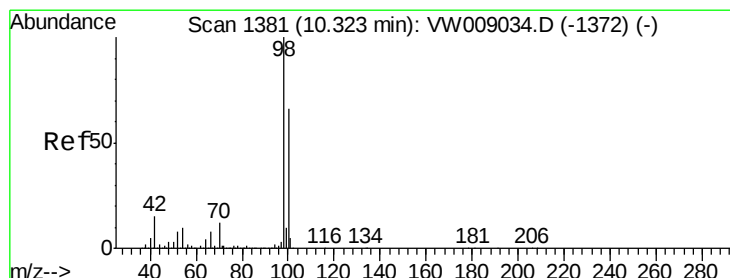
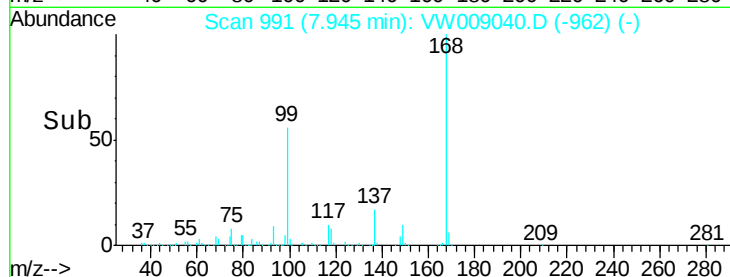
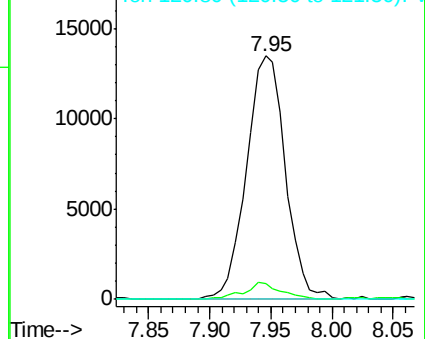
121 0.0 24.7 37.1#



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: 48.053 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009040.D

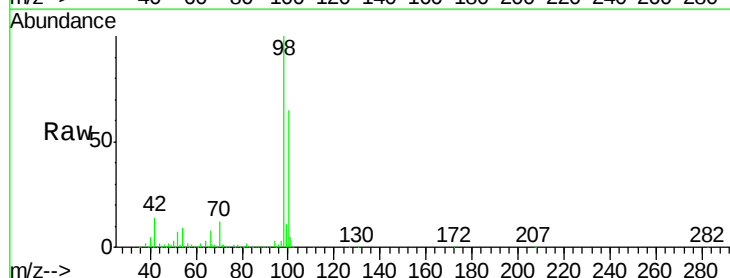
Acq: 07 Mar 2019 15:22

Tgt Ion: 98 Resp: 572514

Ion Ratio Lower Upper

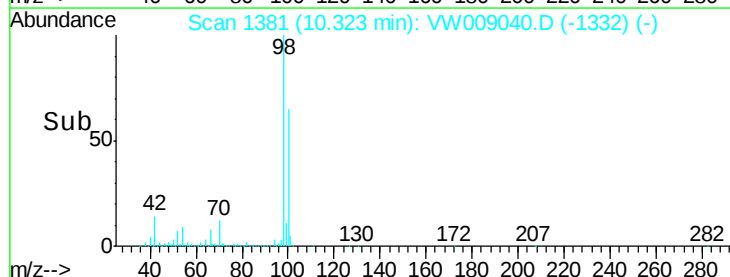
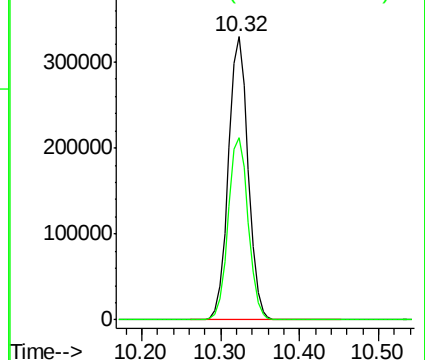
98 100

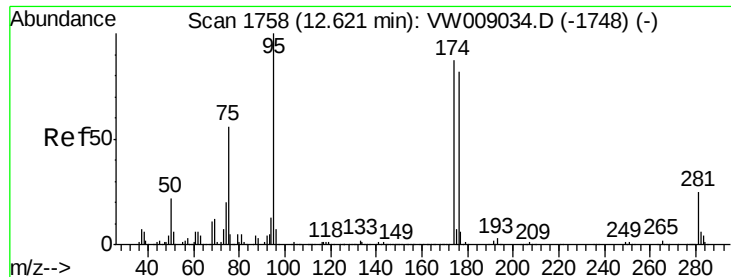
100 65.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 41.520 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009040.D

Acq: 07 Mar 2019 15:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBL01

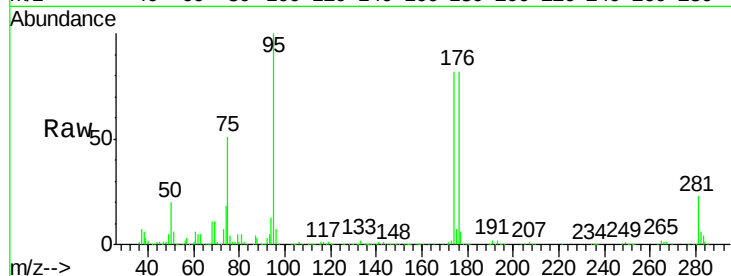
Tgt Ion: 95 Resp: 194734

Ion Ratio Lower Upper

95 100

174 82.8 0.0 167.0

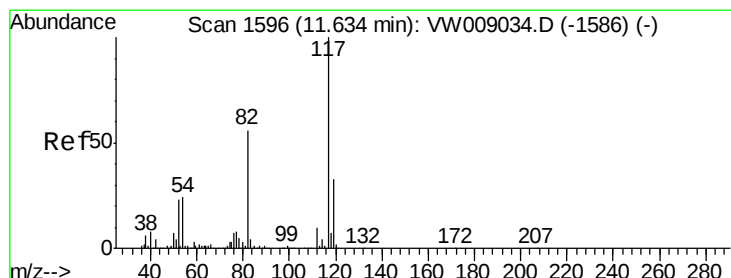
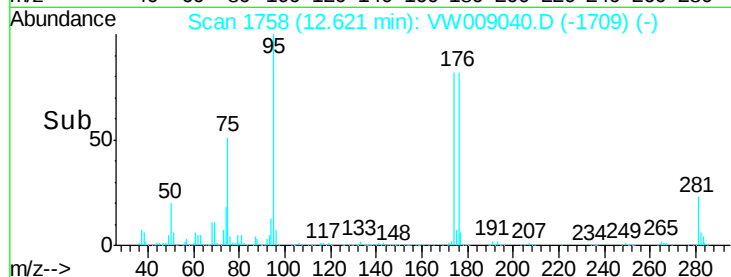
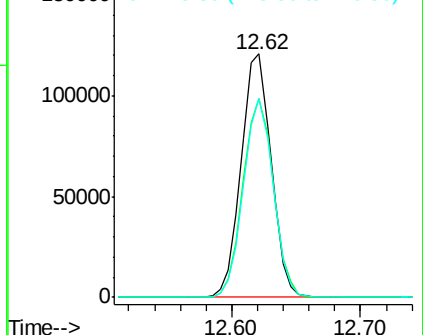
176 80.8 0.0 159.4



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: VW009040.D

Acq: 07 Mar 2019 15:22

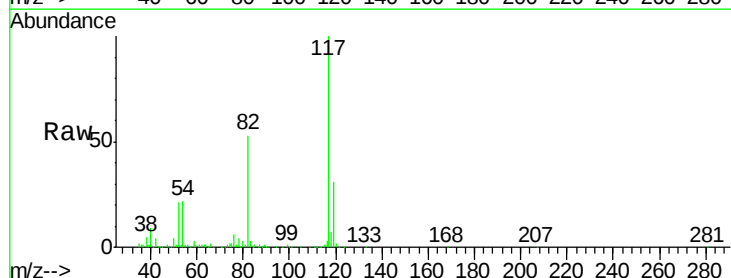
Tgt Ion: 117 Resp: 428374

Ion Ratio Lower Upper

117 100

82 53.4 45.0 67.6

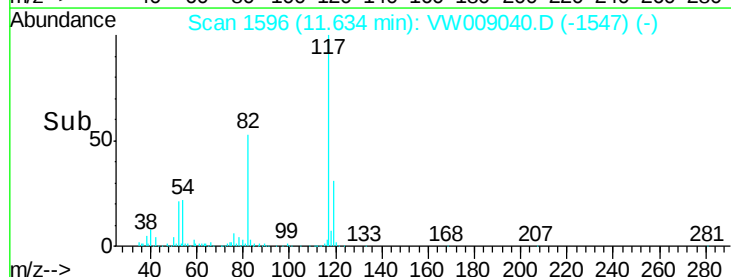
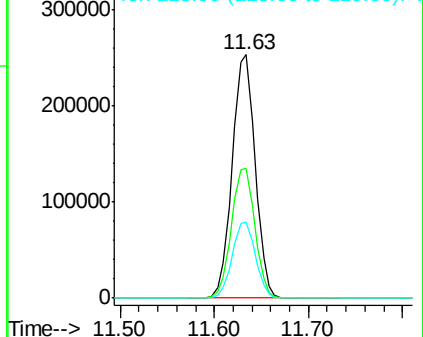
119 31.3 26.6 39.8

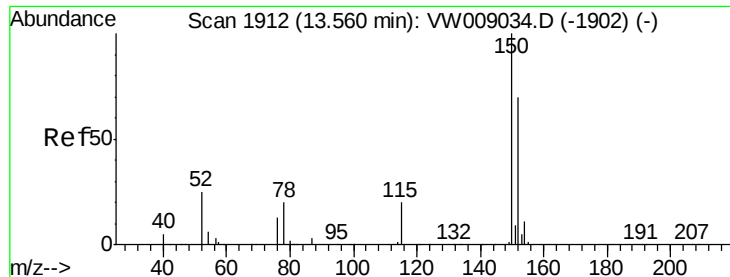


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009040.D

Acq: 07 Mar 2019 15:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBL01

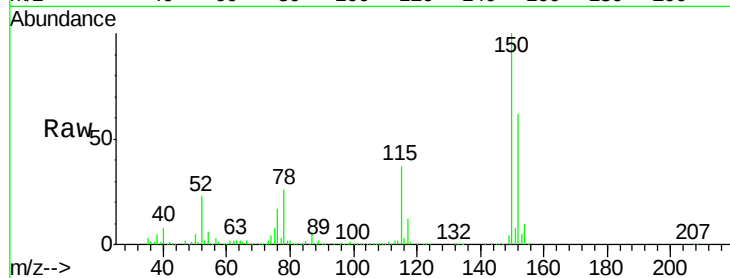
Tgt Ion:152 Resp: 192708

Ion Ratio Lower Upper

152 100

115 56.8 28.9 86.7

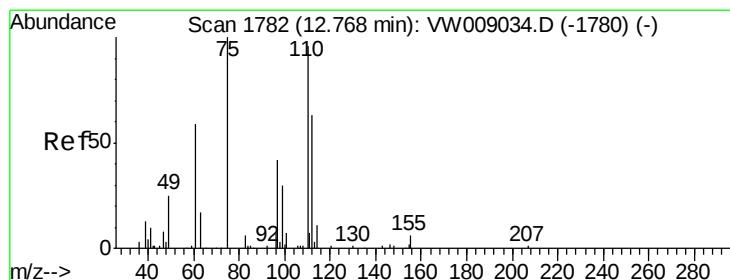
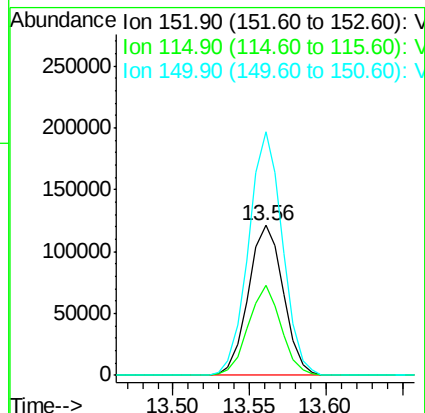
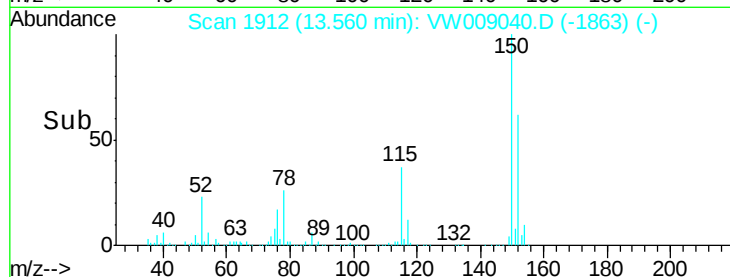
150 157.4 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 67.973 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009040.D

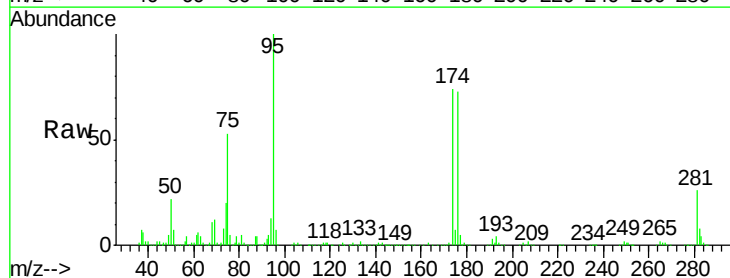
Acq: 07 Mar 2019 15:22

Tgt Ion: 75 Resp: 103493

Ion Ratio Lower Upper

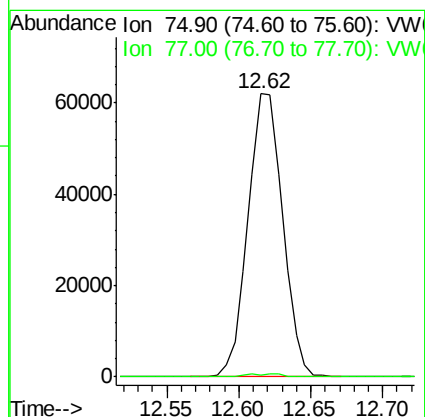
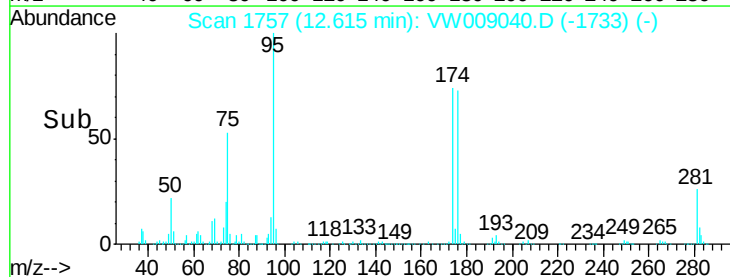
75 100

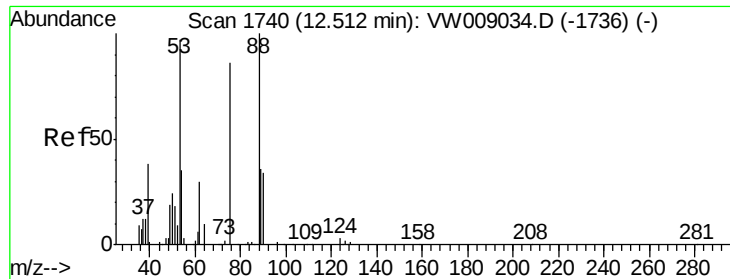
77 1.3 186.7 560.0#



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: 152.039 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009040.D

Acq: 07 Mar 2019 15:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBL01

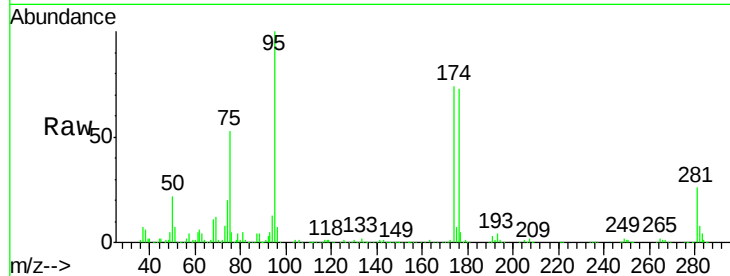
Tgt Ion: 75 Resp: 103493

Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

89 0.5 37.5 56.3#



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

