

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
 Data File : VW011751.D
 Acq On : 07 Aug 2019 15:14
 Operator : SY/VA
 Sample : K4208-01
 Misc : 5.92G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-03(13-14)

Quant Time: Aug 08 08:40:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	355892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	297806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	141790	58.54	ug/l	0.00
Spiked Amount						
				Recovery	=	117.08%
35) Dibromofluoromethane	7.88	113	109636	54.91	ug/l	0.00
Spiked Amount						
				Recovery	=	109.82%
50) Toluene-d8	10.32	98	434239	53.12	ug/l	0.00
Spiked Amount						
				Recovery	=	106.24%
62) 4-Bromofluorobenzene	12.62	95	137585	47.21	ug/l	0.00
Spiked Amount						
				Recovery	=	94.42%

Target Compounds

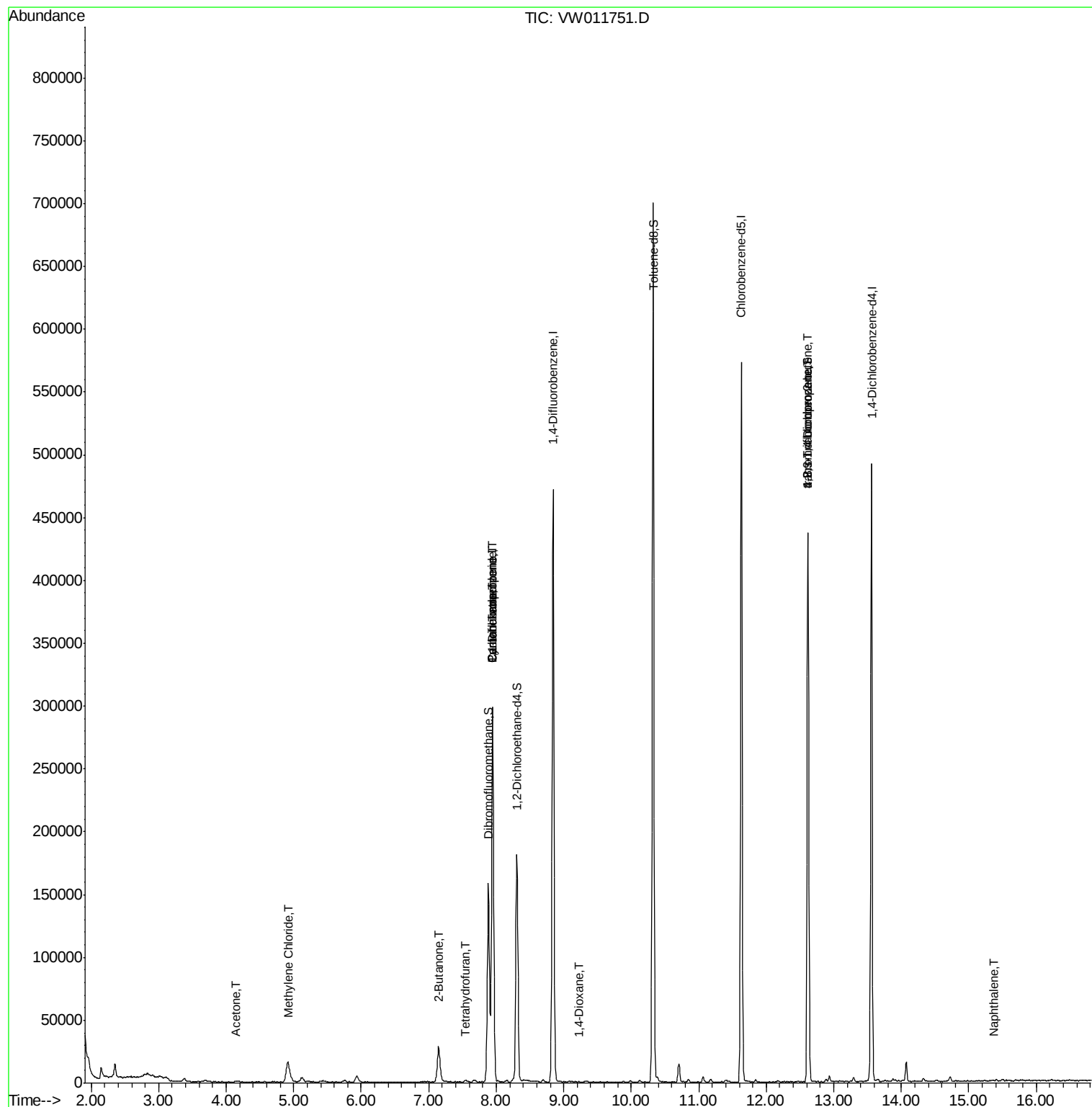
					Qvalue
11) Tert butyl alcohol	5.20	59	147	Below Cal	# 72
16) Acetone	4.14	43	1590	2.064	ug/l 90
20) Methylene Chloride	4.91	84	12112	4.558	ug/l # 96
25) 2-Butanone	7.15	43	1895	1.880	ug/l # 78
29) Tetrahydrofuran	7.54	42	991	1.720	ug/l 96
31) Cyclohexane	7.95	56	5660	1.250	ug/l # 1
36) 1,1-Dichloropropene	7.95	75	18643	5.038	ug/l # 52
38) Carbon Tetrachloride	7.95	117	21517	6.792	ug/l # 18
49) 1,4-Dioxane	9.22	88	20	1.091	ug/l # 1
76) 1,2,3-Trichloropropane	12.62	75	74831	58.297	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.62	75	74831	134.354	ug/l # 6
95) Naphthalene	15.38	128	155	2.097	ug/l # 69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011751.D

Acq: 07 Aug 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

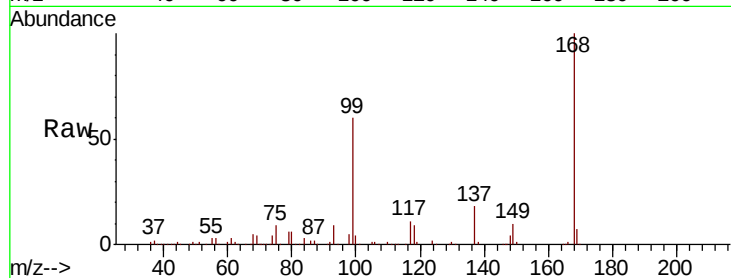
SB-03(13-14)

Tgt Ion:168 Resp: 210939

Ion Ratio Lower Upper

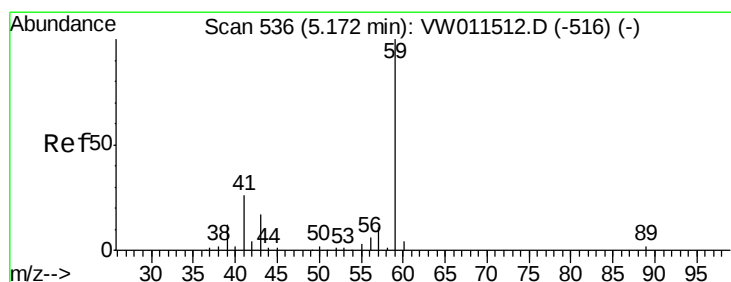
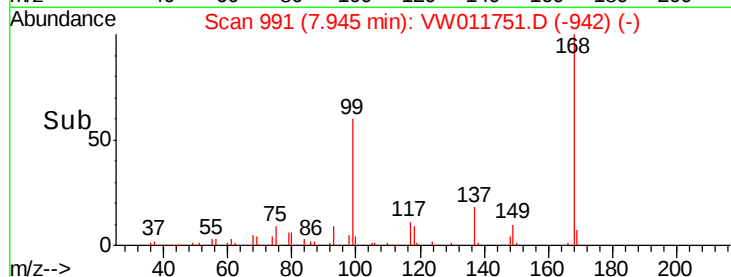
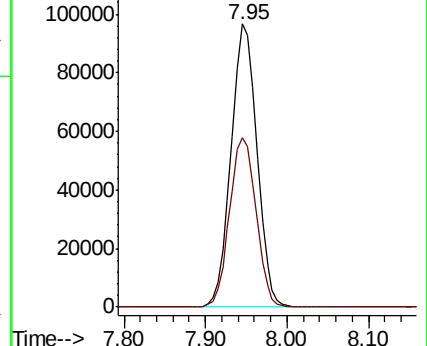
168 100

99 59.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW011751.D

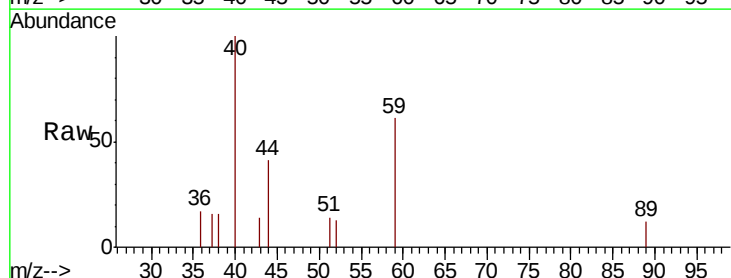
Acq: 07 Aug 2019 15:14

Tgt Ion: 59 Resp: 147

Ion Ratio Lower Upper

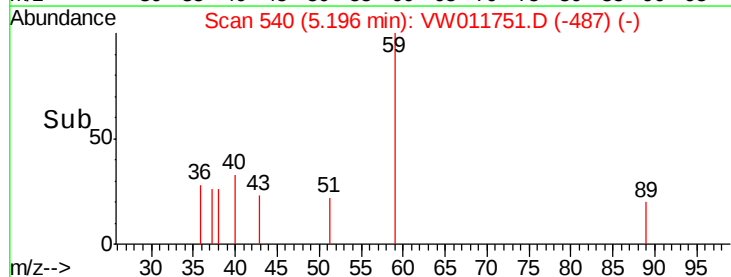
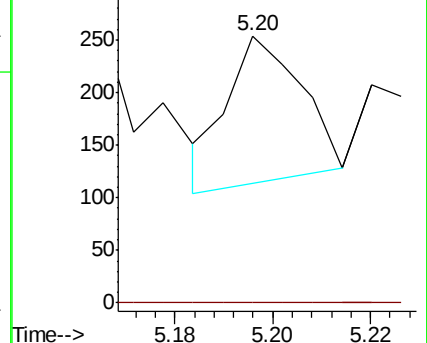
59 100

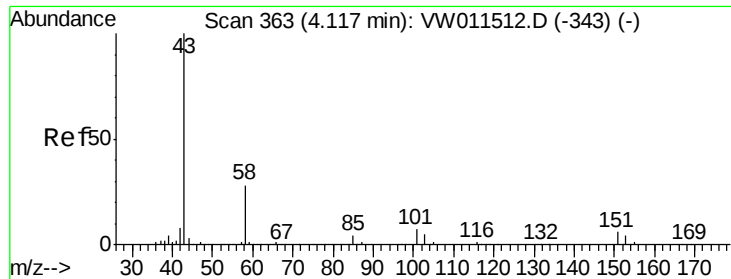
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.064 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011751.D

Acq: 07 Aug 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

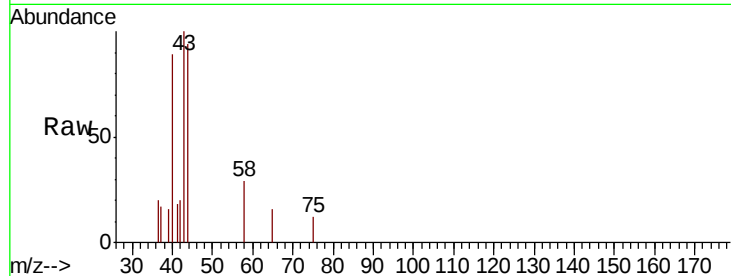
SB-03(13-14)

Tgt Ion: 43 Resp: 1590

Ion Ratio Lower Upper

43 100

58 33.3 22.3 33.5

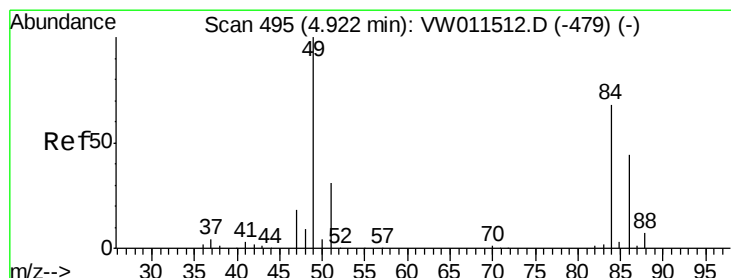
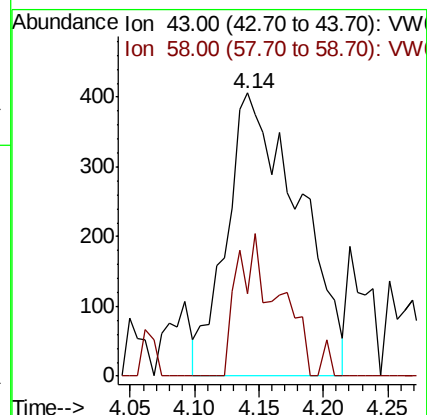
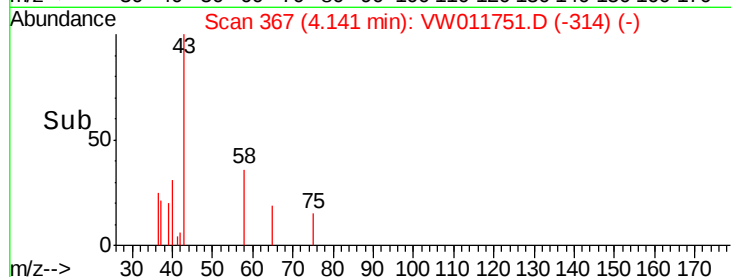


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

4.05 4.10 4.15 4.20 4.25



#20

Methylene Chloride

Concen: 4.558 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011751.D

Acq: 07 Aug 2019 15:14

Tgt Ion: 84 Resp: 12112

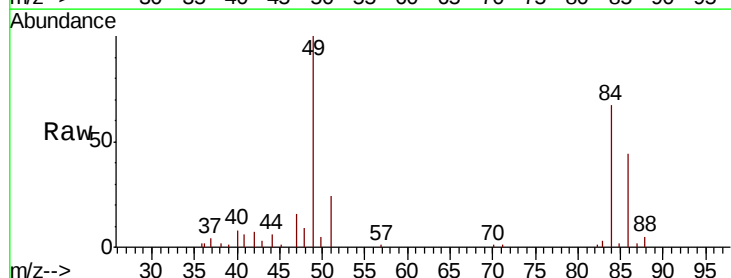
Ion Ratio Lower Upper

84 100

49 146.5 117.8 176.6

51 35.1 37.0 55.4#

86 65.8 51.8 77.8



Abundance Ion 83.90 (83.60 to 84.60): VW

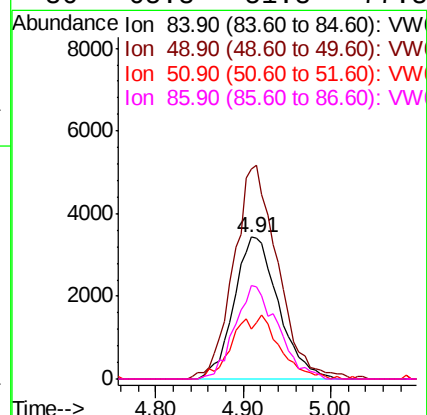
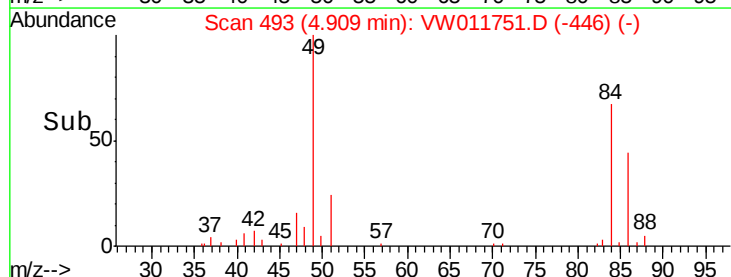
Ion 48.90 (48.60 to 49.60): VW

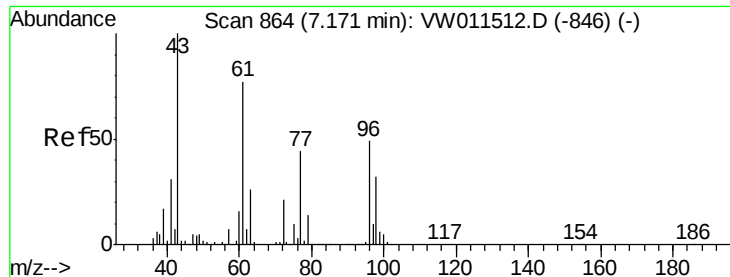
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

4.91

4.80 4.90 5.00





#25

2-Butanone

Concen: 1.880 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011751.D

Acq: 07 Aug 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

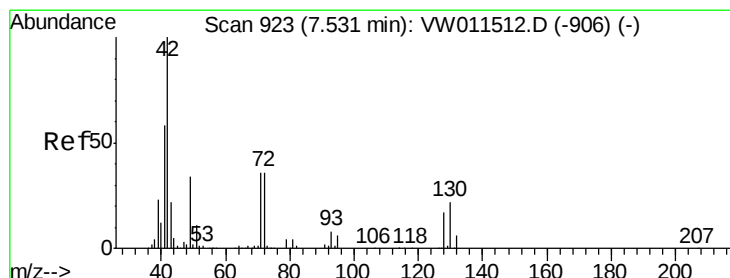
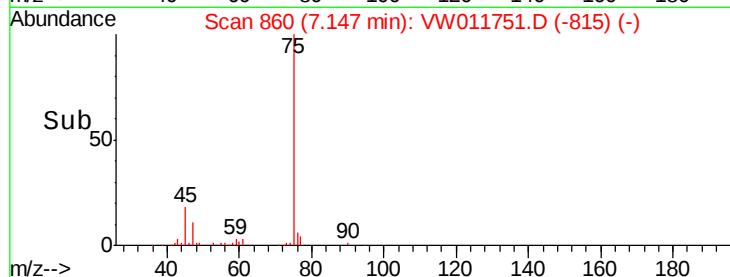
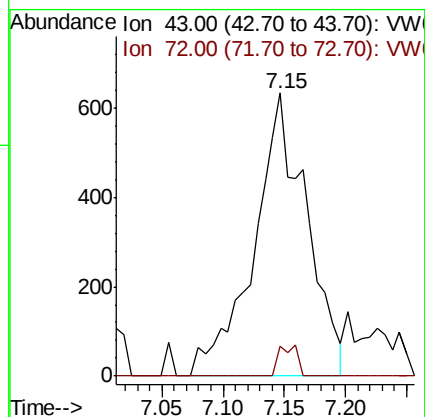
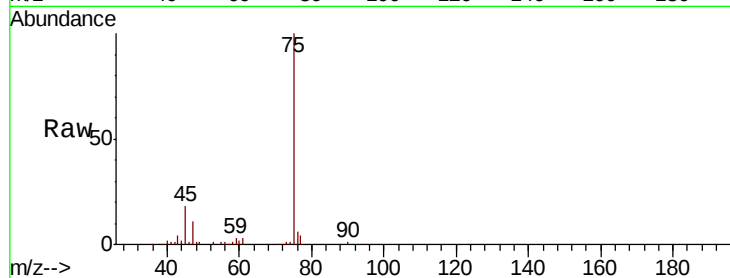
SB-03(13-14)

Tgt Ion: 43 Resp: 1895

Ion Ratio Lower Upper

43 100

72 10.4 16.6 24.8#



#29

Tetrahydrofuran

Concen: 1.720 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW011751.D

Acq: 07 Aug 2019 15:14

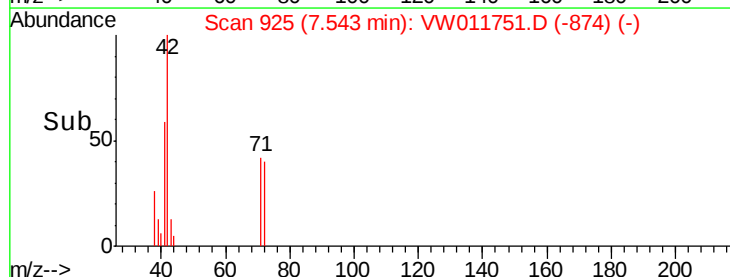
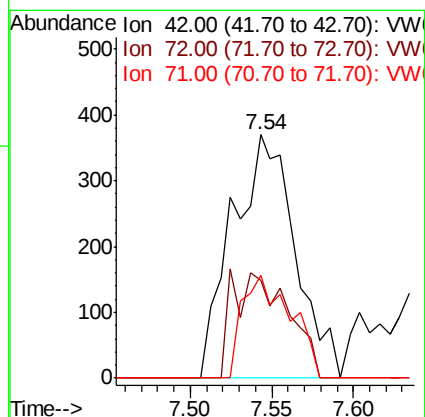
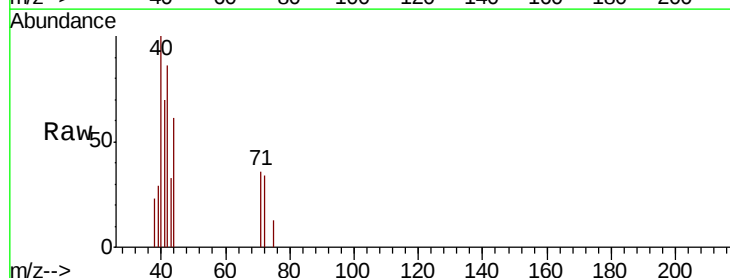
Tgt Ion: 42 Resp: 991

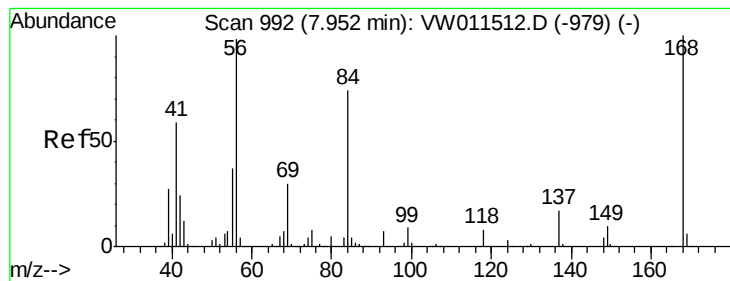
Ion Ratio Lower Upper

42 100

72 38.5 27.1 40.7

71 32.6 26.2 39.4





#31

Cyclohexane

Concen: 1.250 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011751.D

Acq: 07 Aug 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

SB-03(13-14)

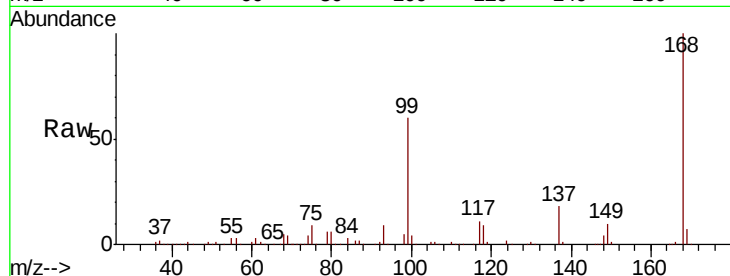
Tgt Ion: 56 Resp: 5660

Ion Ratio Lower Upper

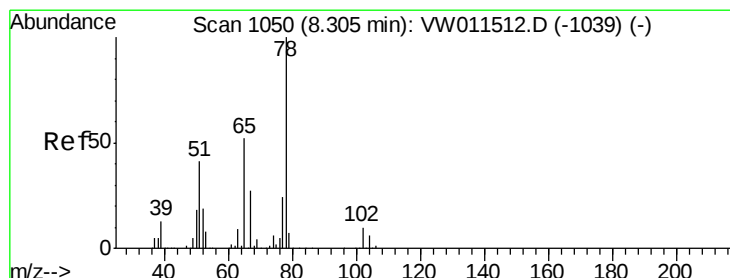
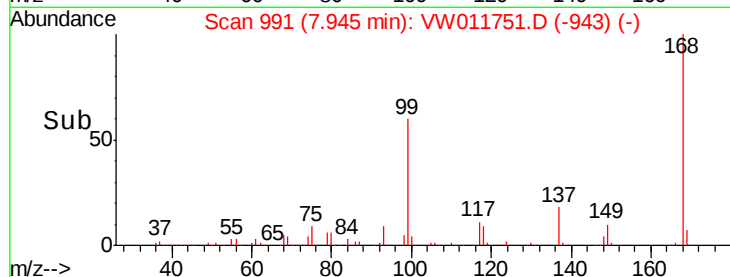
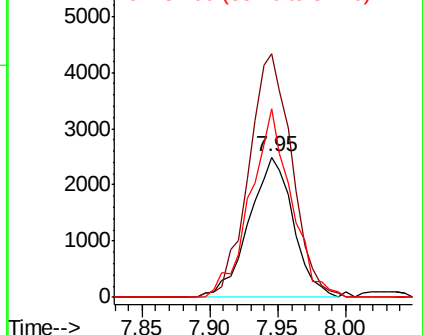
56 100

69 173.2 24.3 36.5#

84 134.4 60.4 90.6#



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: 58.538 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011751.D

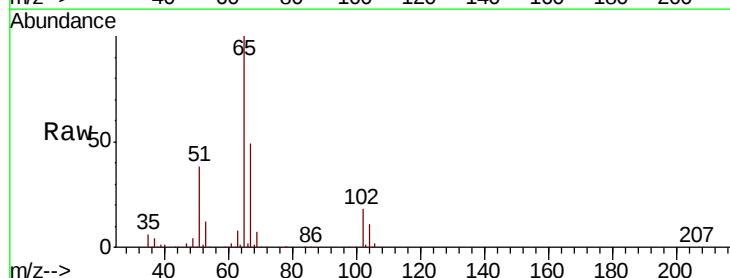
Acq: 07 Aug 2019 15:14

Tgt Ion: 65 Resp: 141790

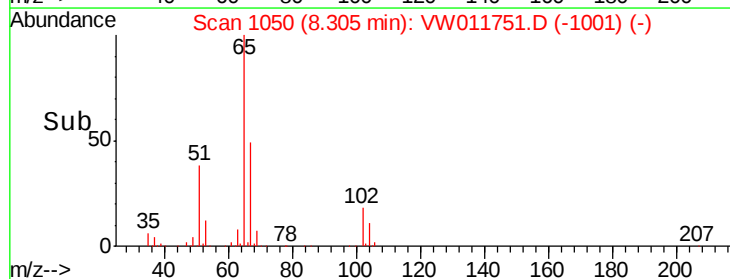
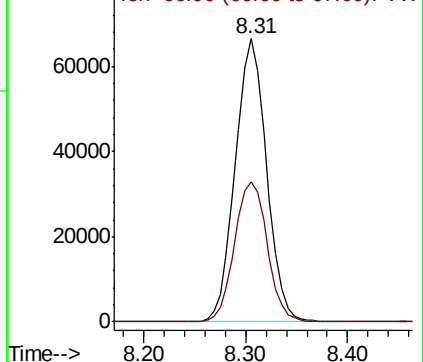
Ion Ratio Lower Upper

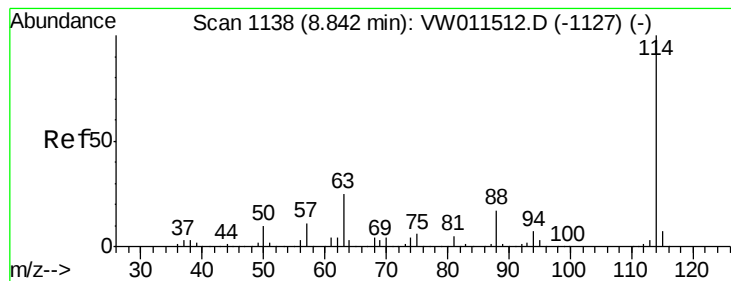
65 100

67 51.7 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011751.D

Acq: 07 Aug 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

SB-03(13-14)

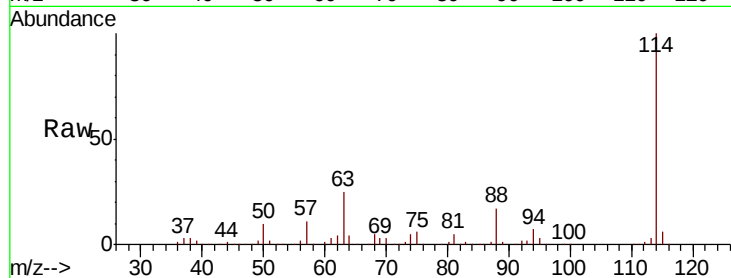
Tgt Ion:114 Resp: 355892

Ion Ratio Lower Upper

114 100

63 25.2 0.0 49.2

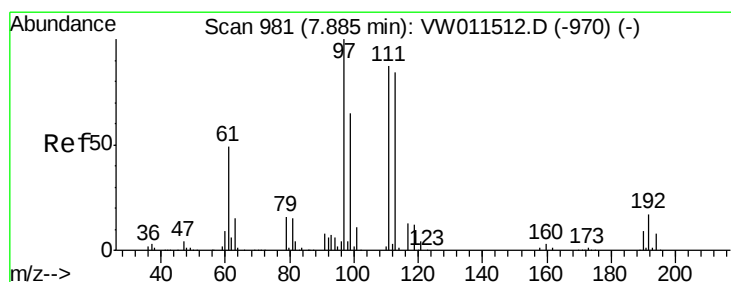
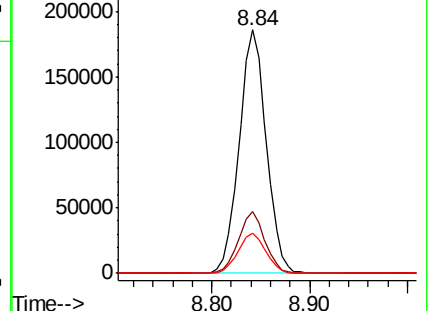
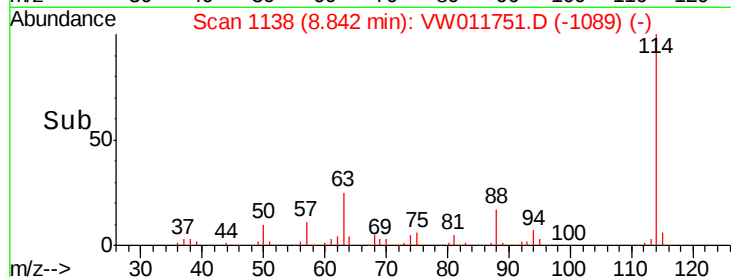
88 16.6 0.0 33.8



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: 54.911 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011751.D

Acq: 07 Aug 2019 15:14

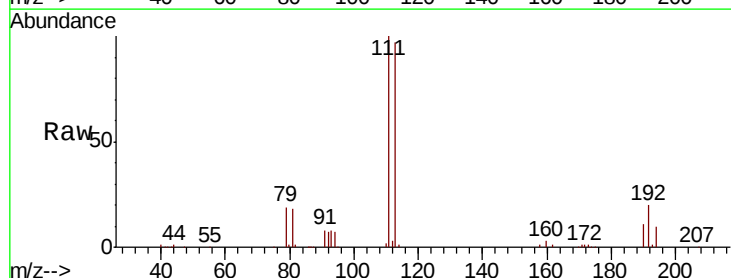
Tgt Ion:113 Resp: 109636

Ion Ratio Lower Upper

113 100

111 104.4 82.7 124.1

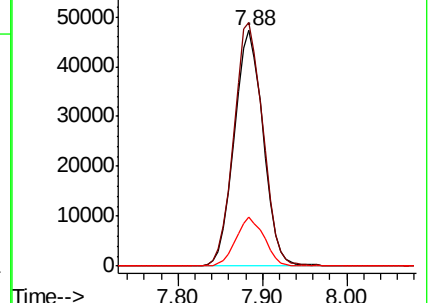
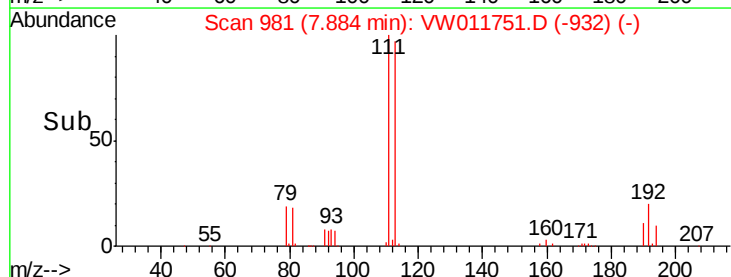
192 20.3 16.1 24.1

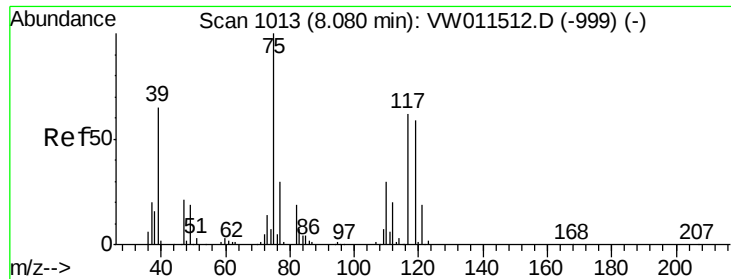


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

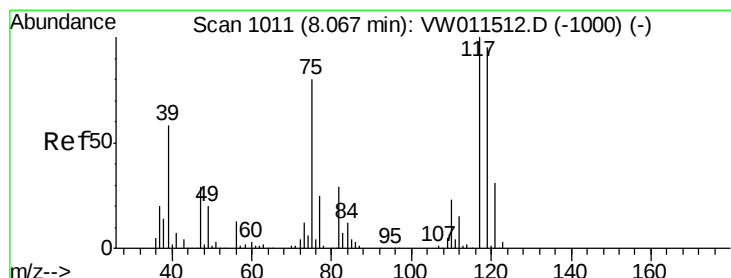
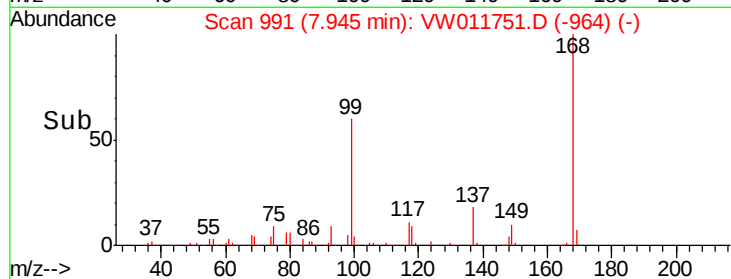
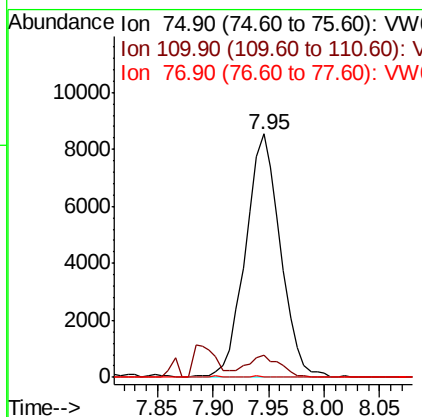
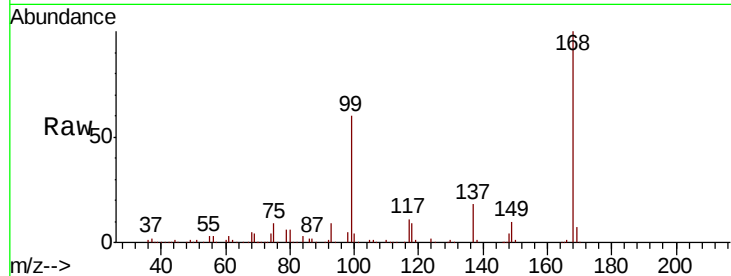




#36
 1,1-Dichloropropene
 Concen: 5.038 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011751.D
 Acq: 07 Aug 2019 15:14

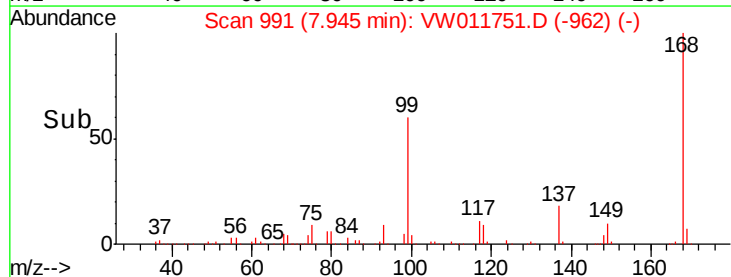
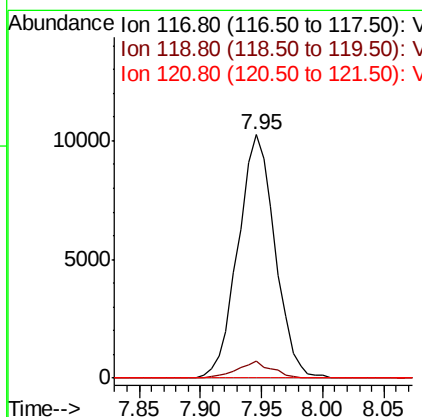
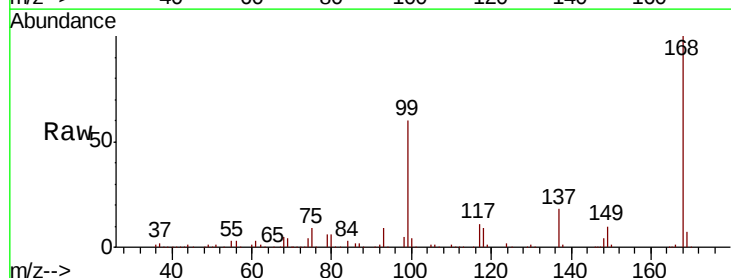
Instrument :
 MSVOA_W
 ClientSampled :
 SB-03(13-14)

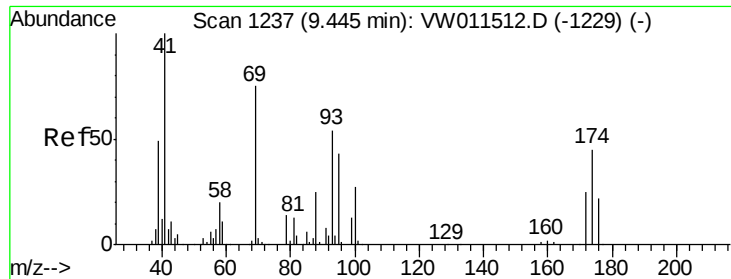
Tgt Ion: 75 Resp: 18643
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.6 46.8#
 77 0.1 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.792 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011751.D
 Acq: 07 Aug 2019 15:14

Tgt Ion: 117 Resp: 21517
 Ion Ratio Lower Upper
 117 100
 119 7.0 75.8 113.6#
 121 0.0 24.7 37.1#

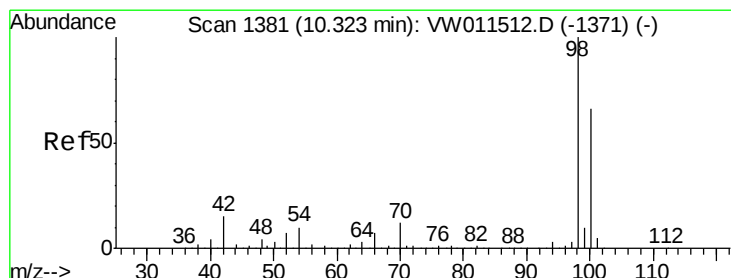
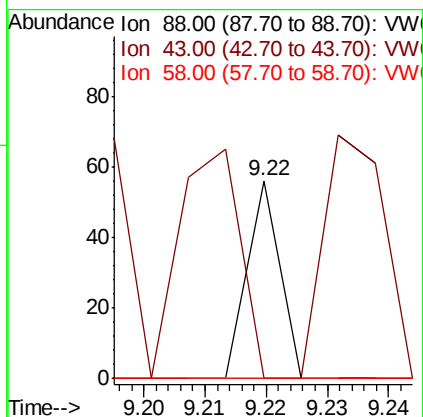
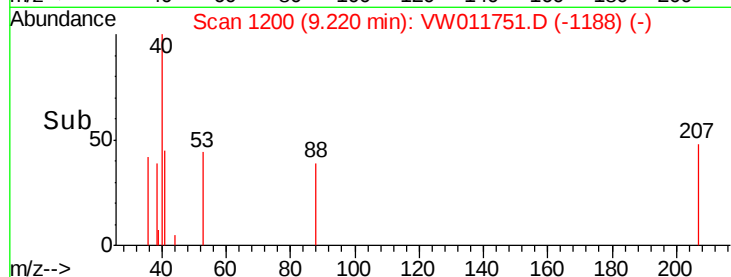
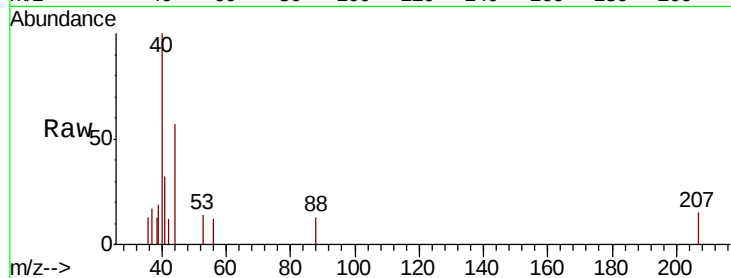




#49
1,4-Dioxane
Concen: 1.091 ug/l
RT: 9.22 min Scan# 1200
Delta R.T. -0.23 min
Lab File: VW011751.D
Acq: 07 Aug 2019 15:14

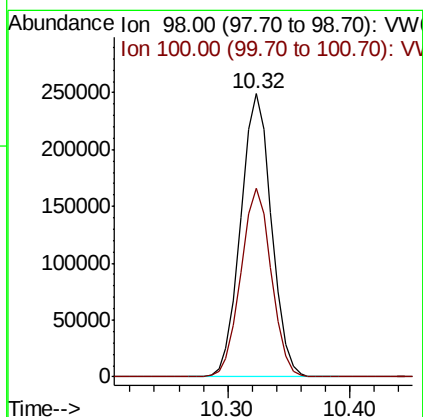
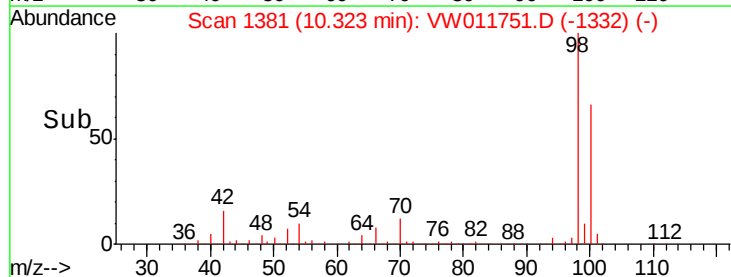
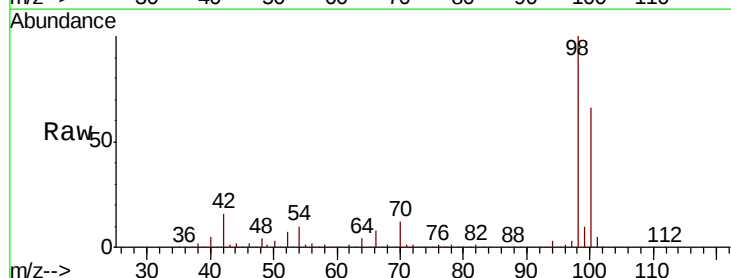
Instrument :
MSVOA_W
ClientSampleId :
SB-03(13-14)

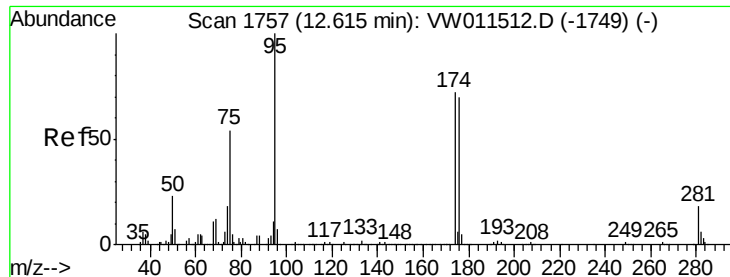
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 225.0 34.0 51.0#
58 0.0 69.7 104.5#



#50
Toluene-d8
Concen: 53.120 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011751.D
Acq: 07 Aug 2019 15:14

Tgt Ion: 98 Resp: 434239
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 47.208 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011751.D

Acq: 07 Aug 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

SB-03(13-14)

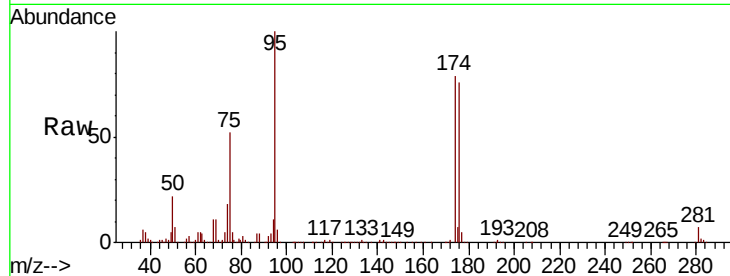
Tgt Ion: 95 Resp: 137585

Ion Ratio Lower Upper

95 100

174 76.6 0.0 150.2

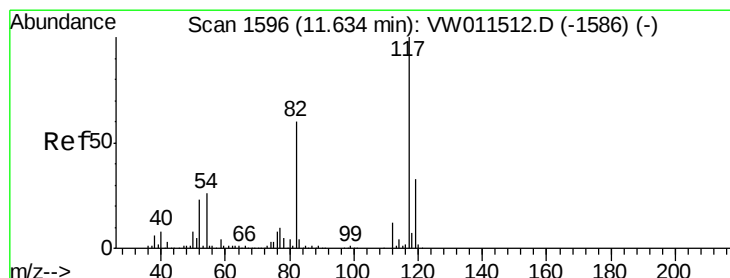
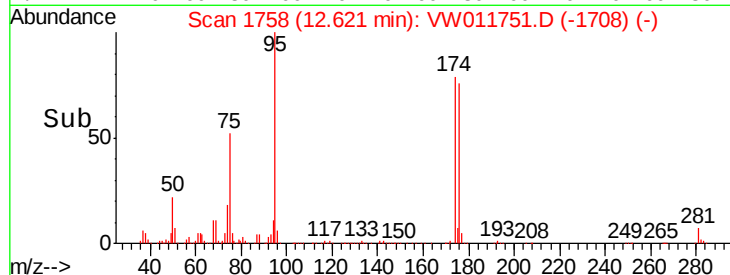
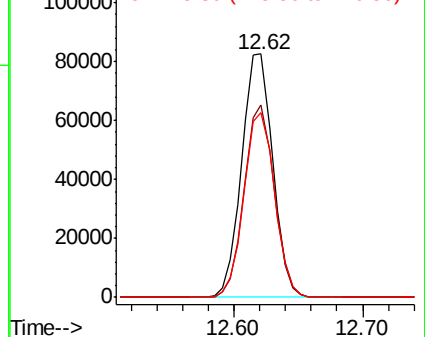
176 75.1 0.0 144.4



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: VW011751.D

Acq: 07 Aug 2019 15:14

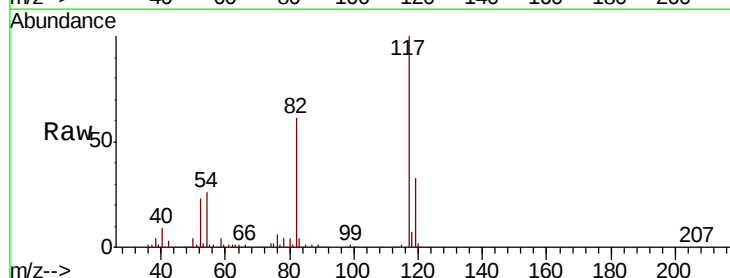
Tgt Ion: 117 Resp: 297806

Ion Ratio Lower Upper

117 100

82 60.7 47.9 71.9

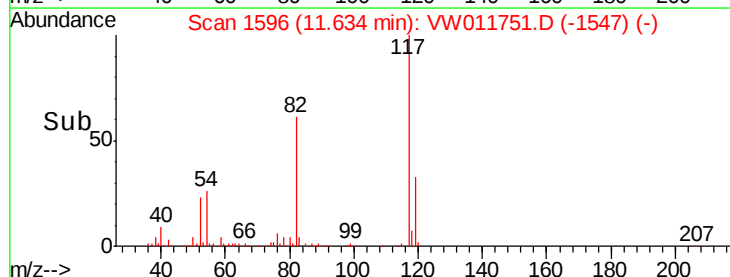
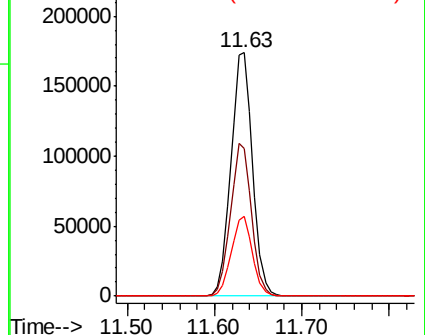
119 32.7 26.2 39.2

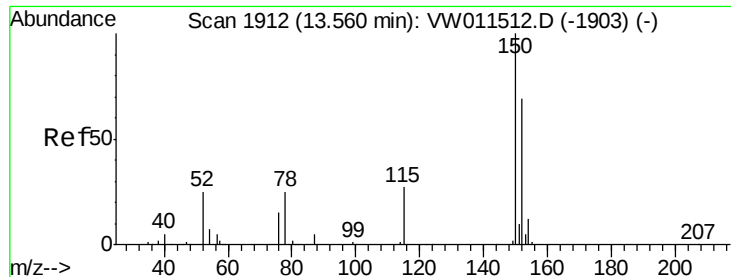


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011751.D

Acq: 07 Aug 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

SB-03(13-14)

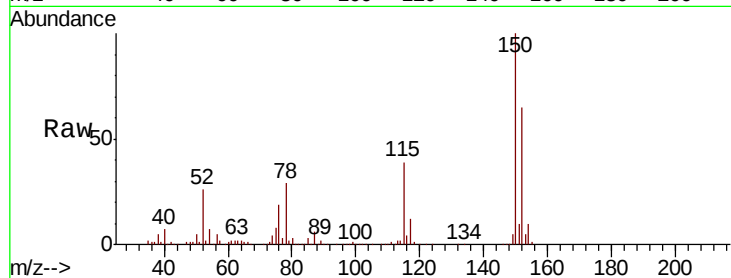
Tgt Ion:152 Resp: 121312

Ion Ratio Lower Upper

152 100

115 59.9 30.5 91.5

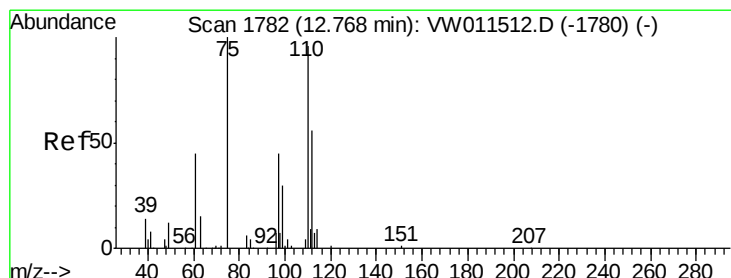
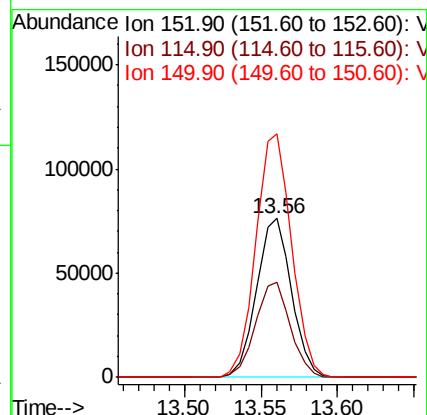
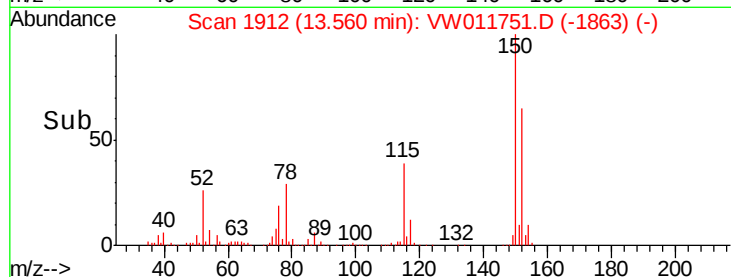
150 156.8 0.0 352.6



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: 58.297 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011751.D

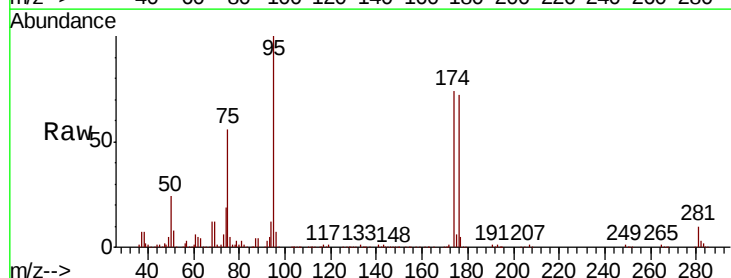
Acq: 07 Aug 2019 15:14

Tgt Ion: 75 Resp: 74831

Ion Ratio Lower Upper

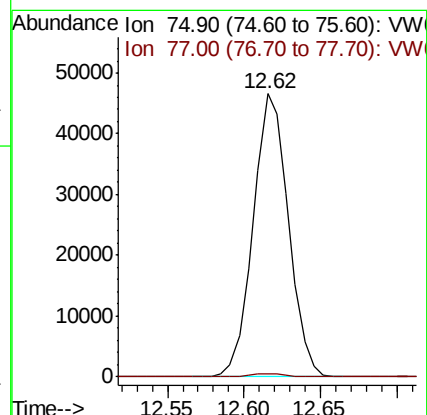
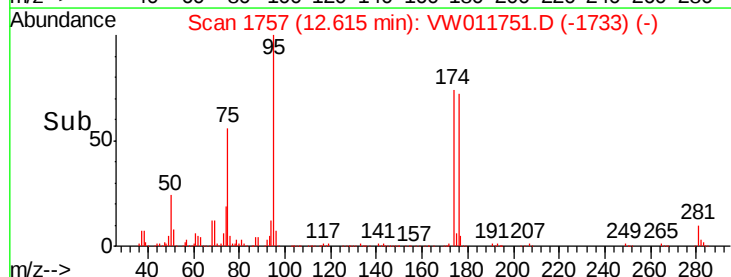
75 100

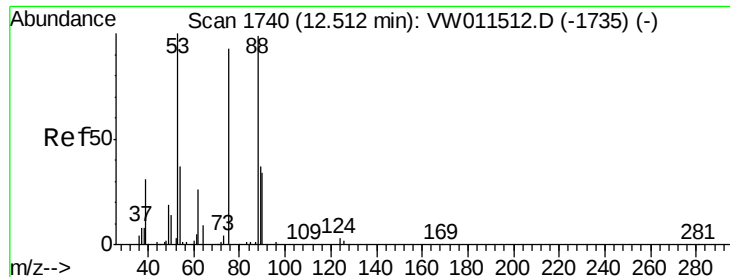
77 1.2 0.0 0.0#



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: 134.354 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011751.D

Acq: 07 Aug 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

SB-03(13-14)

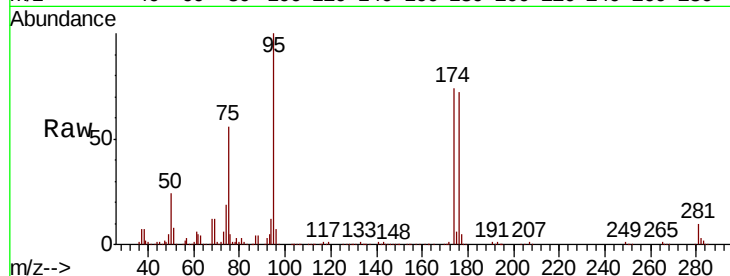
Tgt Ion: 75 Resp: 74831

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

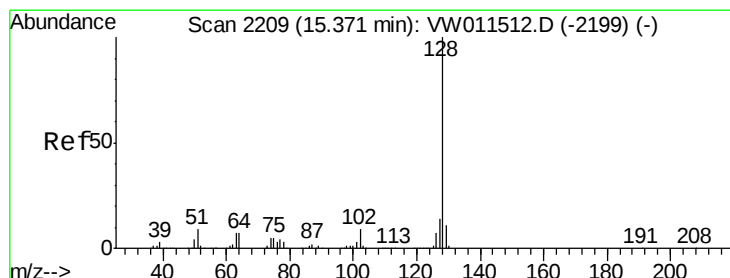
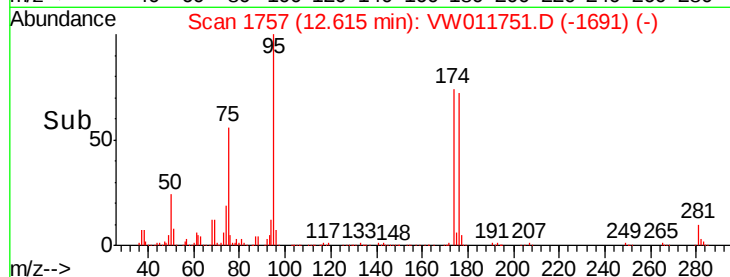
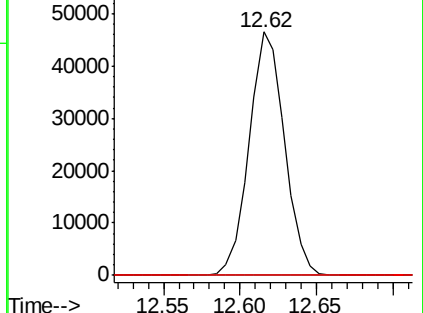
89 0.0 35.3 52.9#



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



#95

Naphthalene

Concen: 2.097 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011751.D

Acq: 07 Aug 2019 15:14

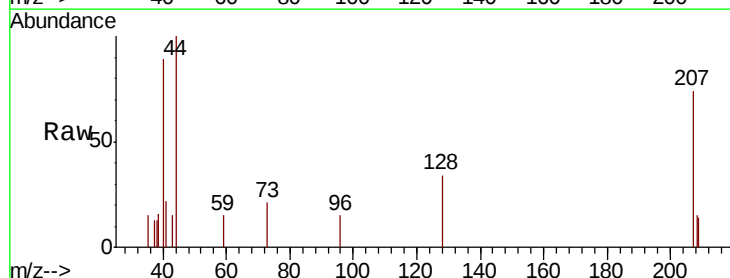
Tgt Ion: 128 Resp: 155

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



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

