

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011673.D
 Acq On : 03 Aug 2019 18:22
 Operator : SY/VA
 Sample : K4152-14
 Misc : 5.59G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E3-(0-1)

Quant Time: Aug 04 01:46:02 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	205739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	289571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110386	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	138465	58.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.22%	
35) Dibromofluoromethane	7.88	113	107593	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
50) Toluene-d8	10.32	98	431842	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
62) 4-Bromofluorobenzene	12.62	95	132978	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	

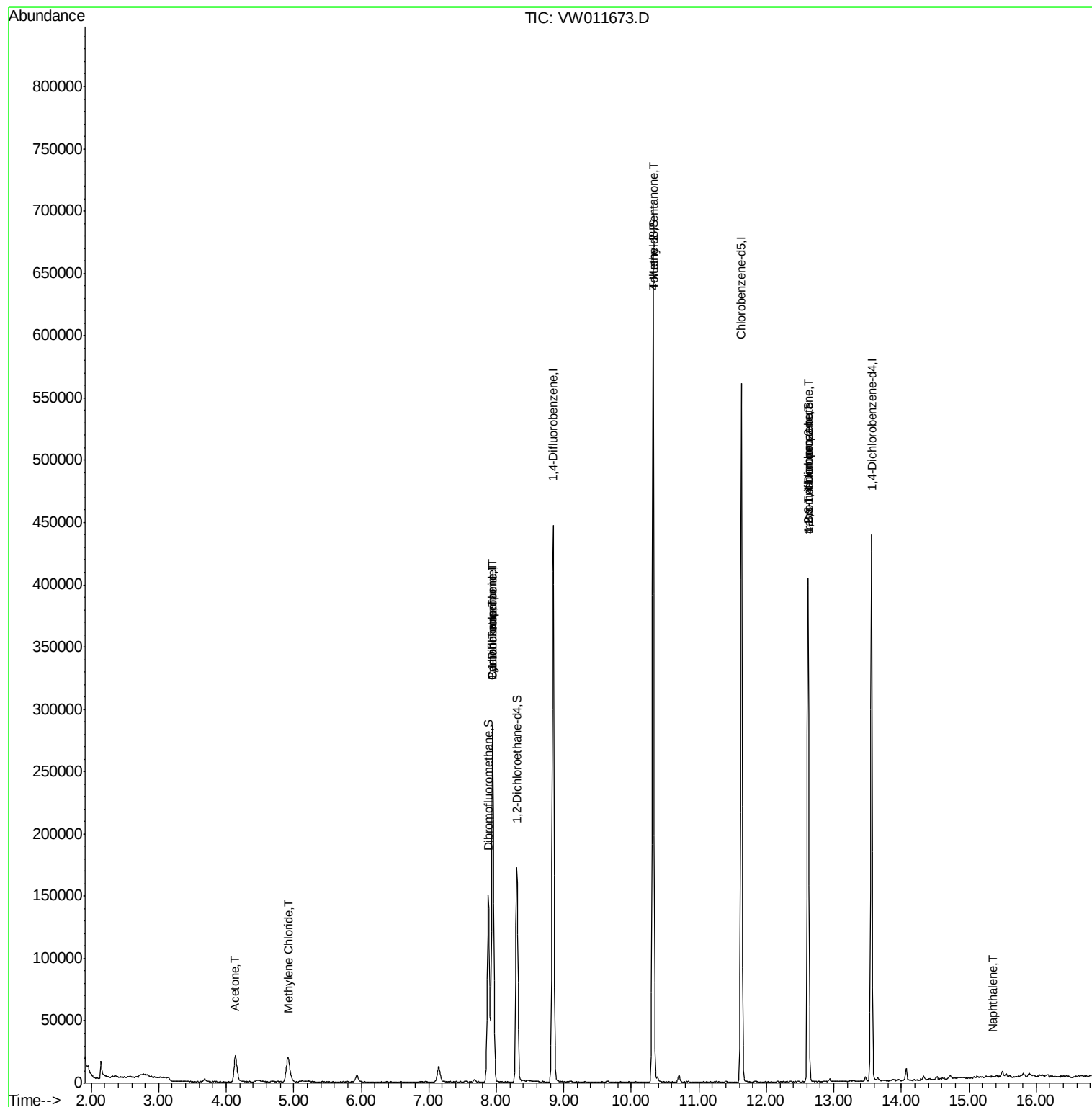
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	1577	Below Cal	#	76
16) Acetone	4.14	43	43310	57.632	ug/l	98
20) Methylene Chloride	4.92	84	15781	6.089	ug/l	98
31) Cyclohexane	7.95	56	5042	1.141	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17872	4.893	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20372	6.515	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	2695	1.341	ug/l #	1
76) 1,2,3-Trichloropropane	12.61	75	70758	60.580	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	70758	139.616	ug/l #	6
95) Naphthalene	15.36	128	244	2.120	ug/l #	89

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

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
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: VW011673.D

Acq: 03 Aug 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

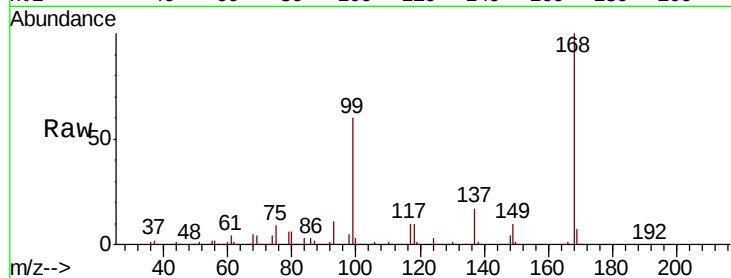
2S-E3-(0-1)

Tgt Ion:168 Resp: 205739

Ion Ratio Lower Upper

168 100

99 60.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

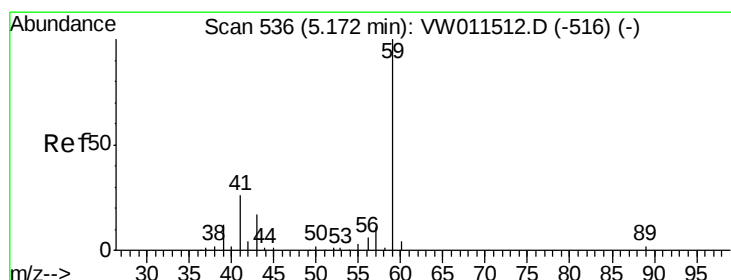
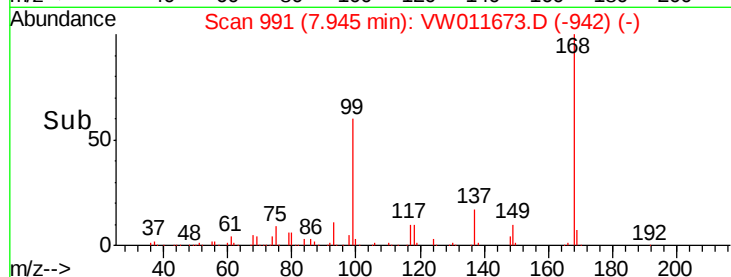
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW011673.D

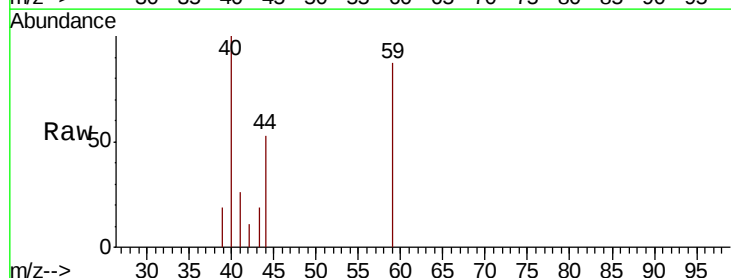
Acq: 03 Aug 2019 18:22

Tgt Ion: 59 Resp: 1577

Ion Ratio Lower Upper

59 100

57 1.6 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

500

400

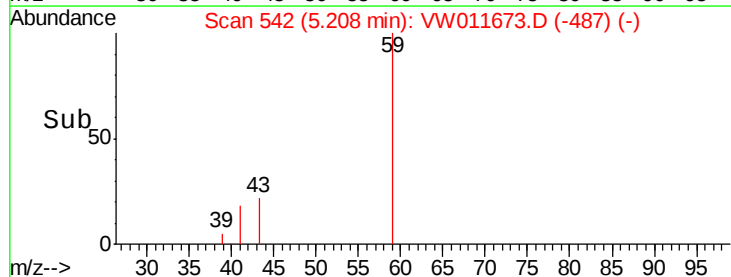
300

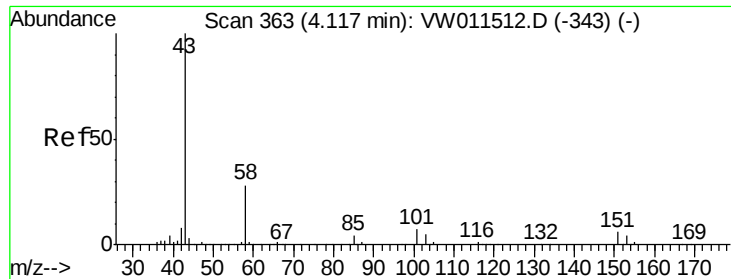
200

100

0

Time--> 5.10 5.15 5.20 5.25 5.30





#16

Acetone

Concen: 57.632 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011673.D

Acq: 03 Aug 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

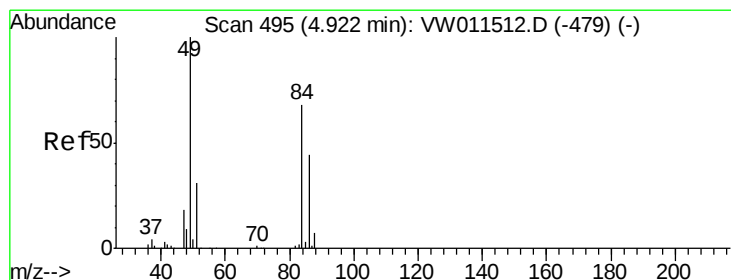
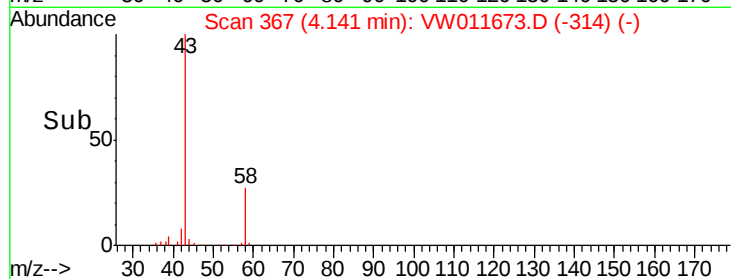
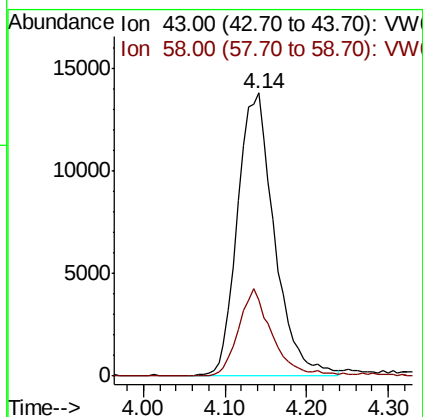
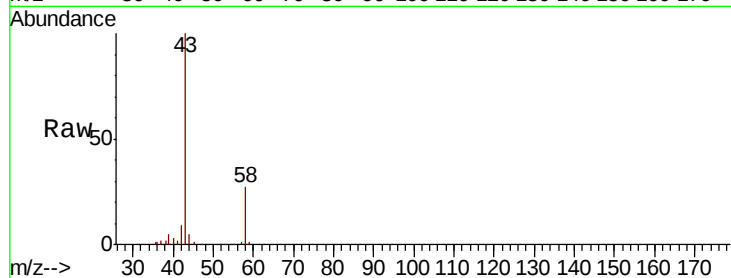
2S-E3-(0-1)

Tgt Ion: 43 Resp: 43310

Ion Ratio Lower Upper

43 100

58 26.7 22.3 33.5



#20

Methylene Chloride

Concen: 6.089 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW011673.D

Acq: 03 Aug 2019 18:22

Tgt Ion: 84 Resp: 15781

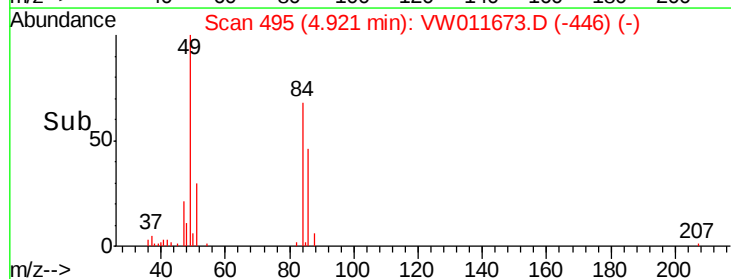
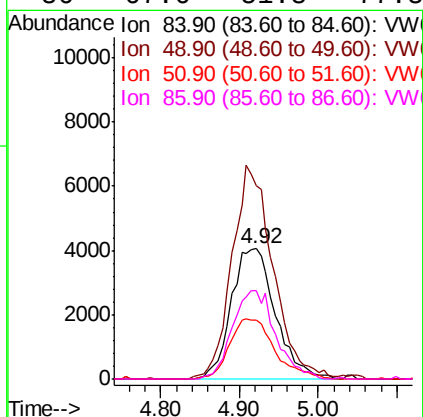
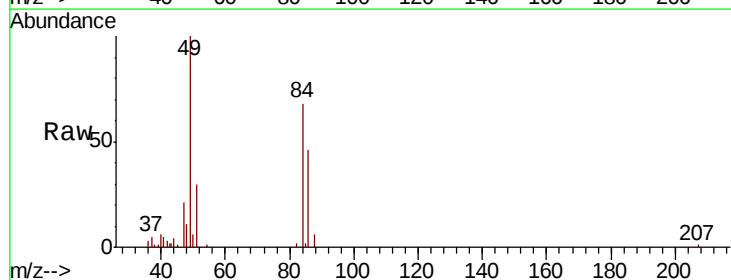
Ion Ratio Lower Upper

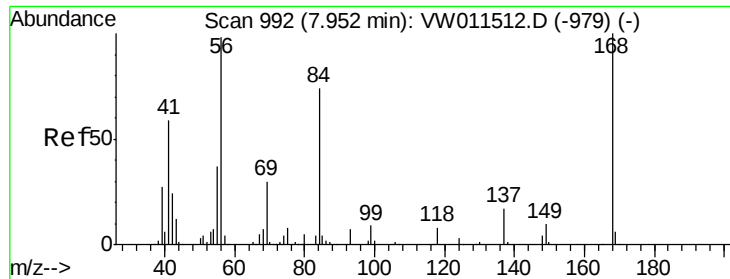
84 100

49 148.1 117.8 176.6

51 44.7 37.0 55.4

86 67.6 51.8 77.8

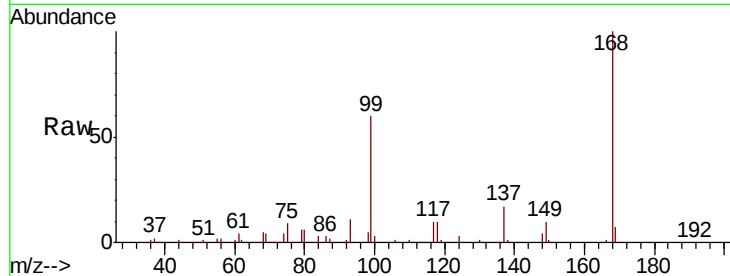




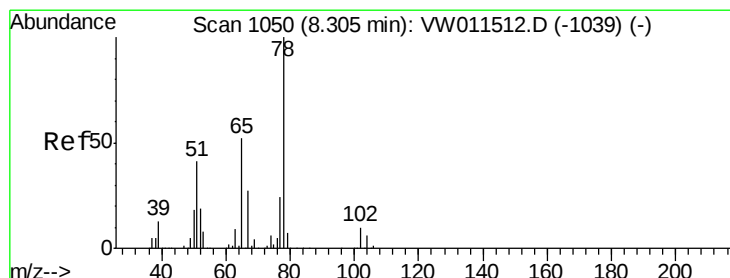
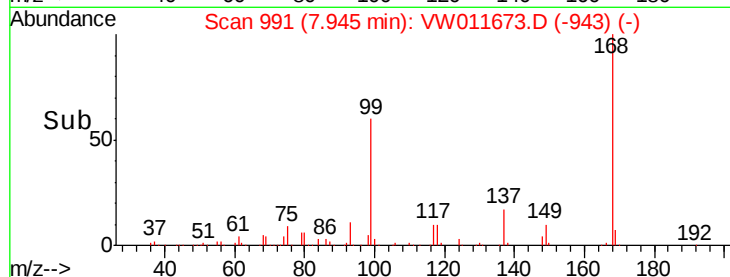
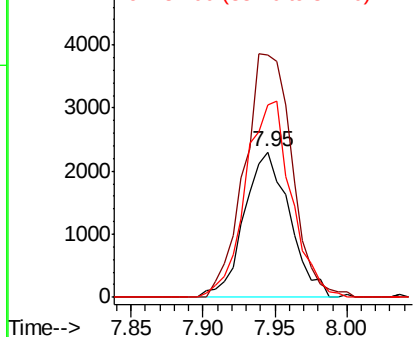
#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011673.D
Acq: 03 Aug 2019 18:22

Instrument :
MSVOA_W
ClientSampled :
2S-E3-(0-1)

Tgt Ion: 56 Resp: 5042
Ion Ratio Lower Upper
56 100
69 166.0 24.3 36.5#
84 132.3 60.4 90.6#

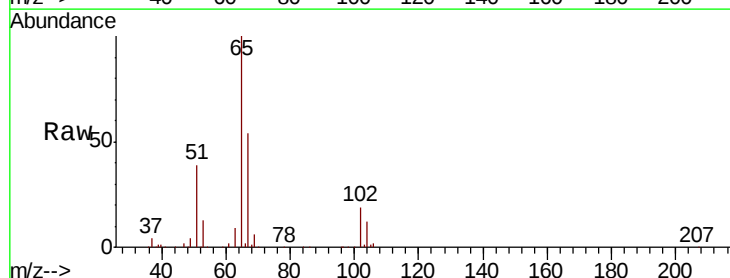


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

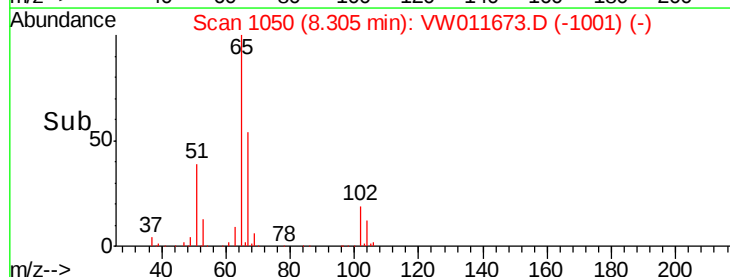
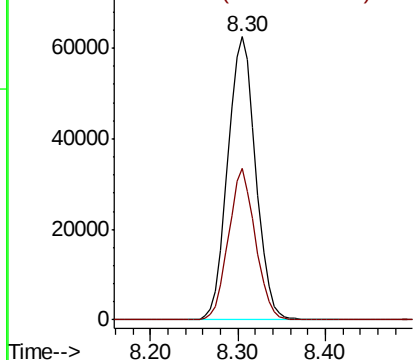


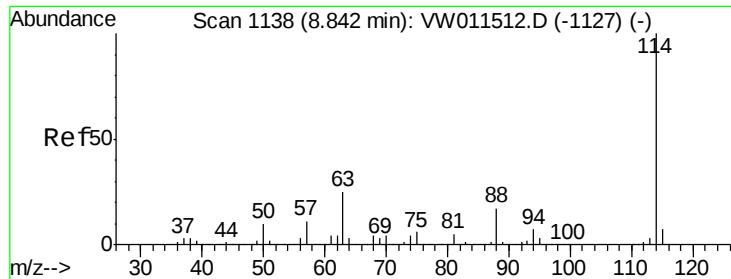
#33
1,2-Dichloroethane-d4
Concen: 58.611 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011673.D
Acq: 03 Aug 2019 18:22

Tgt Ion: 65 Resp: 138465
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.2



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

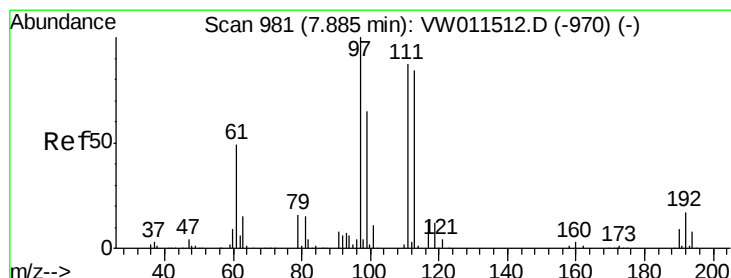
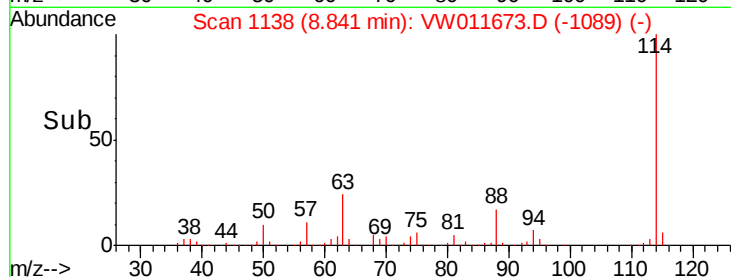
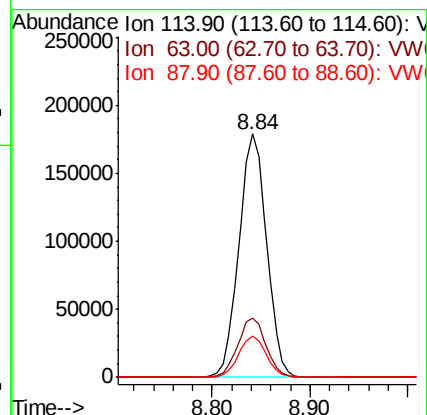
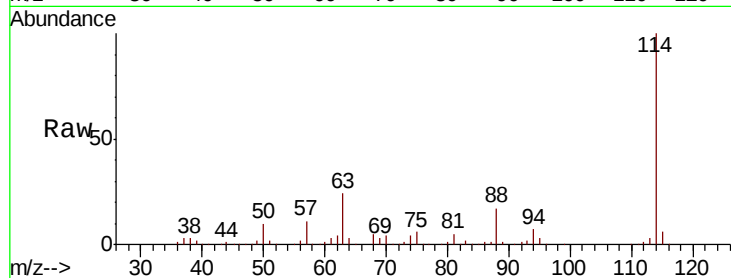




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011673.D
 Acq: 03 Aug 2019 18:22

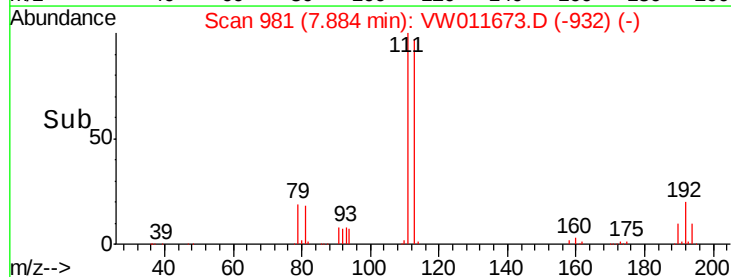
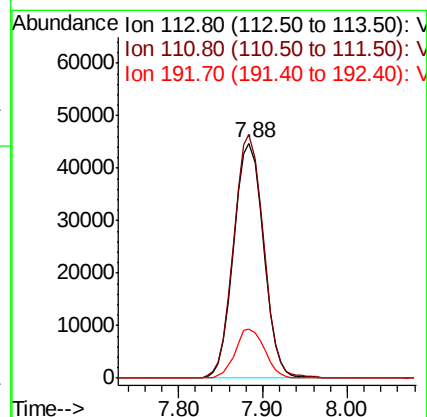
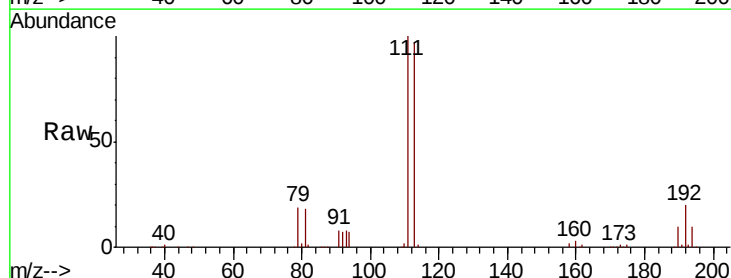
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E3-(0-1)

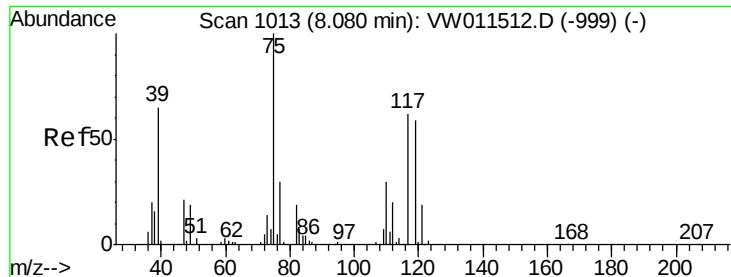
Tgt Ion:	114	Resp:	351283
Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	49.2
88	16.9	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 54.595 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011673.D
 Acq: 03 Aug 2019 18:22

Tgt Ion:	113	Resp:	107593
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.7	124.1
192	20.5	16.1	24.1

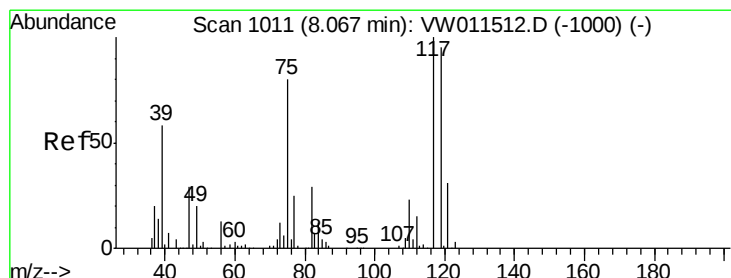
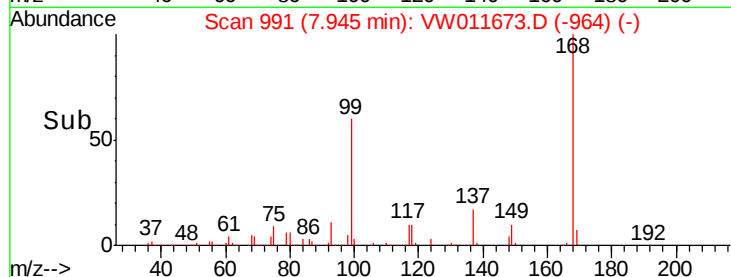
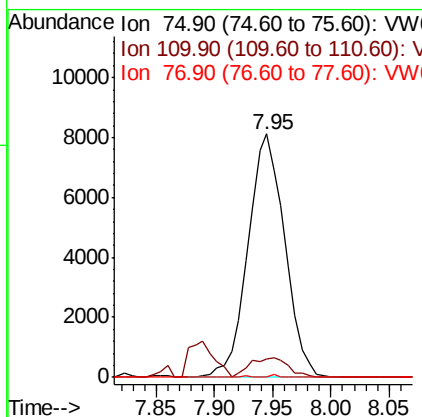
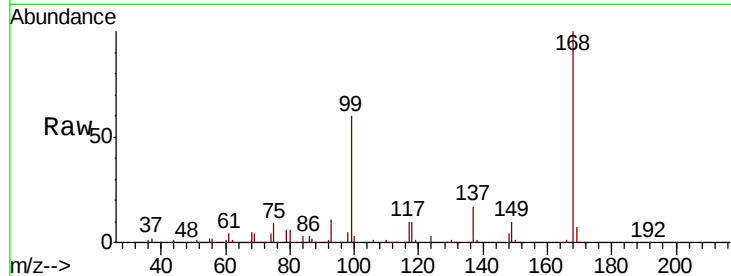




#36
 1,1-Dichloropropene
 Concen: 4.893 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011673.D
 Acq: 03 Aug 2019 18:22

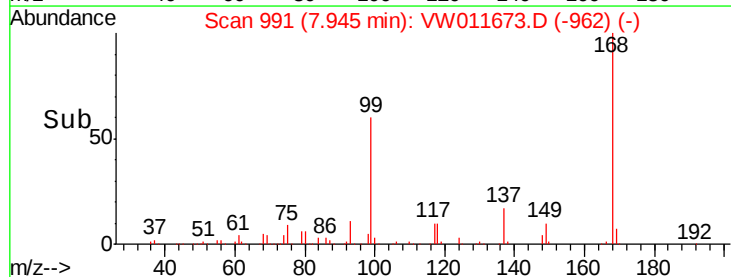
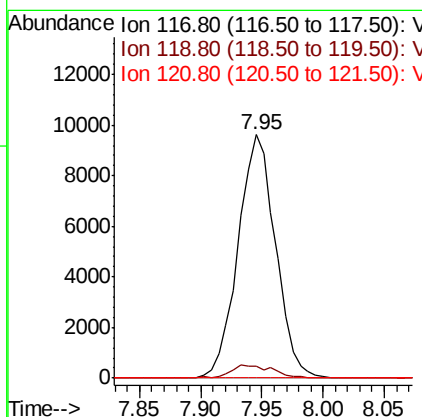
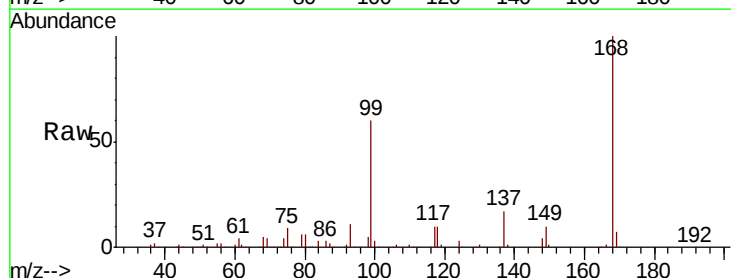
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E3-(0-1)

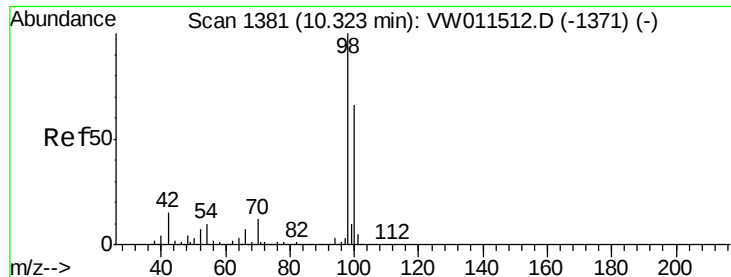
Tgt Ion: 75 Resp: 17872
 Ion Ratio Lower Upper
 75 100
 110 8.6 15.6 46.8#
 77 0.2 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.515 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011673.D
 Acq: 03 Aug 2019 18:22

Tgt Ion: 117 Resp: 20372
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 53.520 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011673.D

Acq: 03 Aug 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

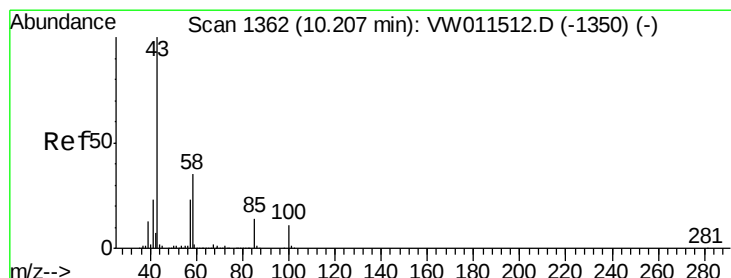
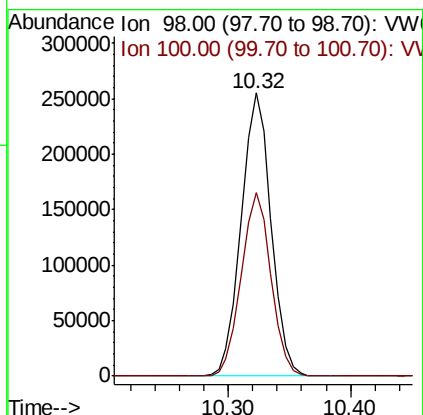
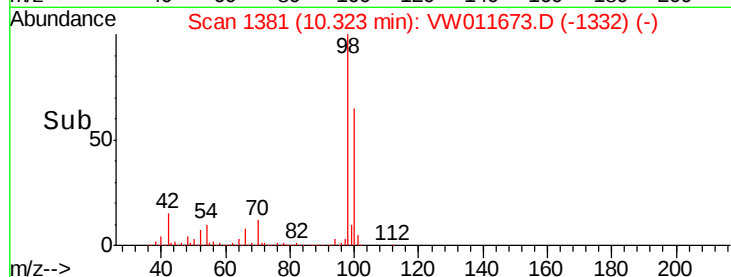
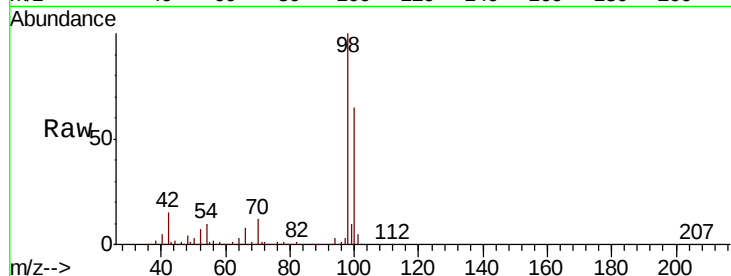
2S-E3-(0-1)

Tgt Ion: 98 Resp: 431842

Ion Ratio Lower Upper

98 100

100 64.7 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 1.341 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW011673.D

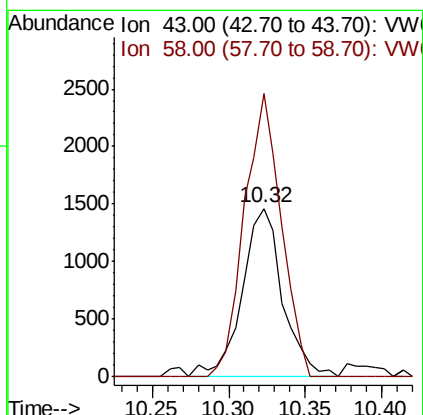
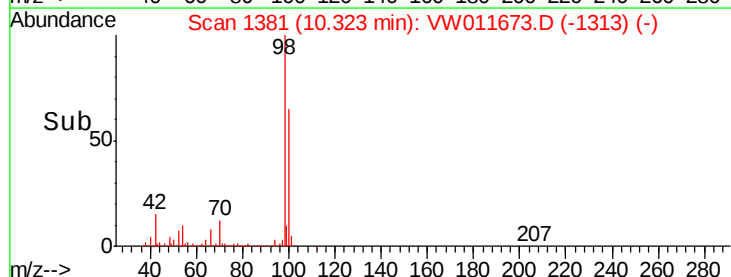
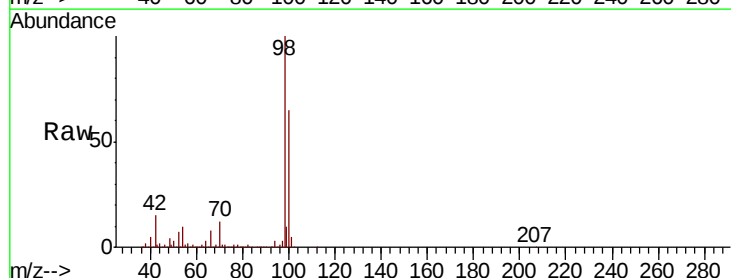
Acq: 03 Aug 2019 18:22

Tgt Ion: 43 Resp: 2695

Ion Ratio Lower Upper

43 100

58 152.5 28.2 42.2#





#62

4-Bromofluorobenzene

Concen: 46.226 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011673.D

Acq: 03 Aug 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

2S-E3-(0-1)

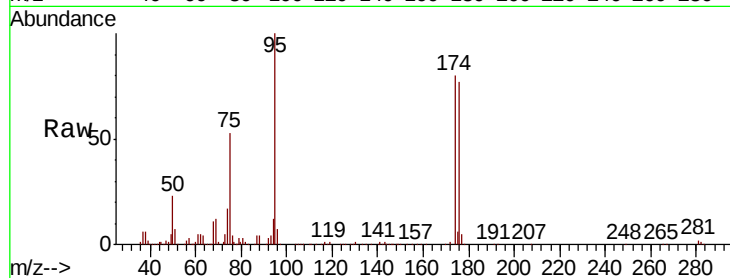
Tgt Ion: 95 Resp: 132978

Ion Ratio Lower Upper

95 100

174 76.6 0.0 150.2

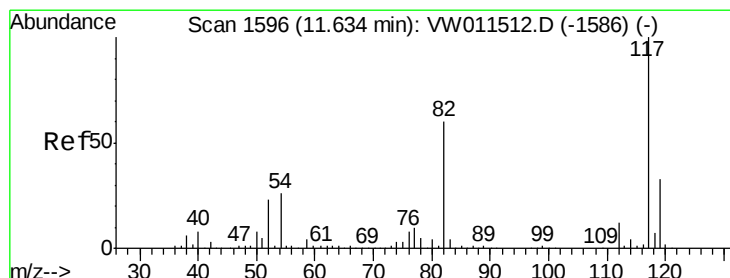
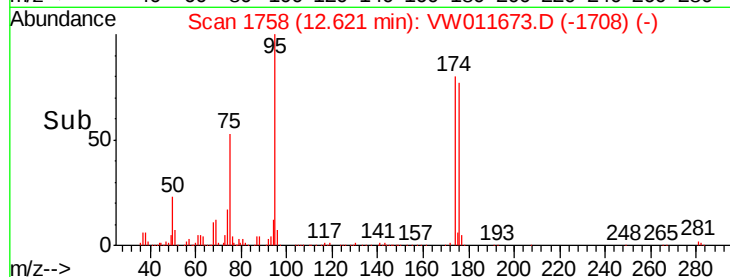
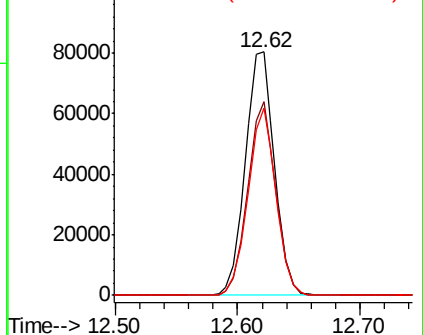
176 73.8 0.0 144.4



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# 1595

Delta R.T. -0.01 min

Lab File: VW011673.D

Acq: 03 Aug 2019 18:22

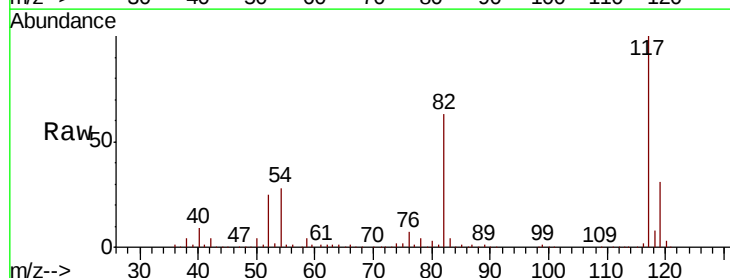
Tgt Ion: 117 Resp: 289571

Ion Ratio Lower Upper

117 100

82 62.6 47.9 71.9

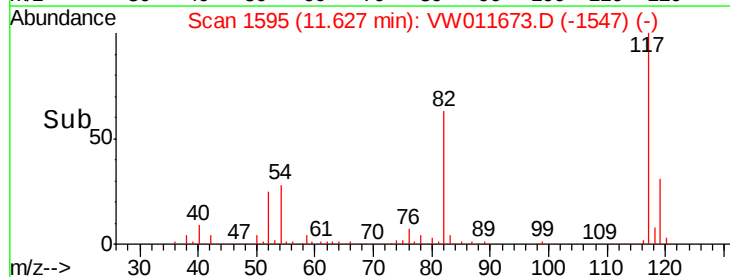
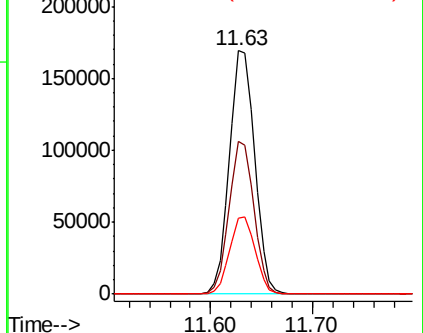
119 31.4 26.2 39.2

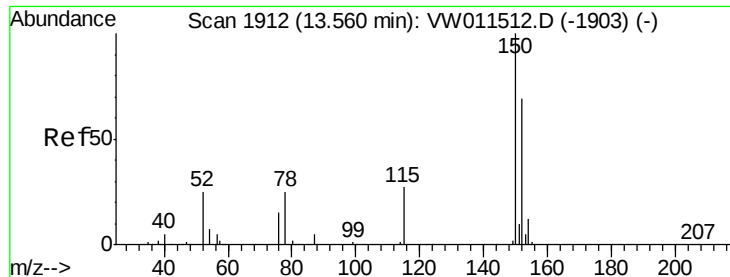


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011673.D

Acq: 03 Aug 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

2S-E3-(0-1)

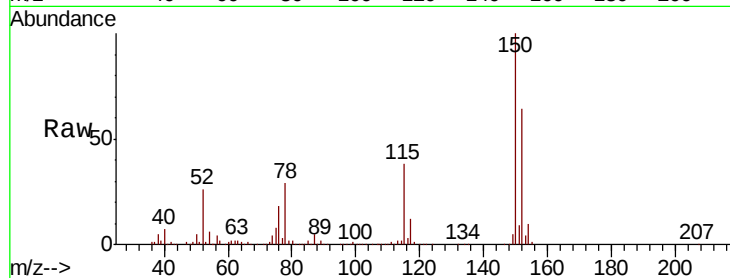
Tgt Ion:152 Resp: 110386

Ion Ratio Lower Upper

152 100

115 60.3 30.5 91.5

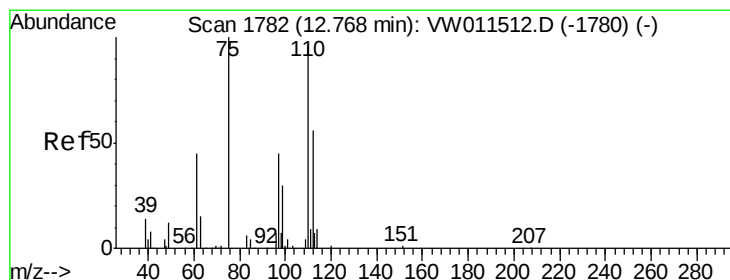
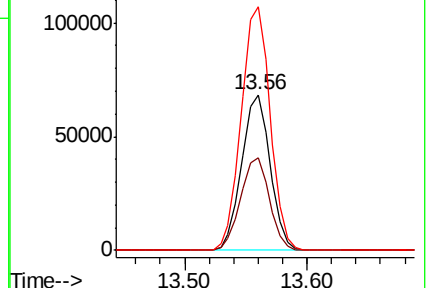
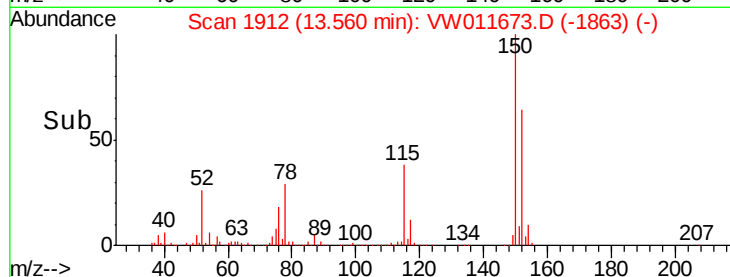
150 159.2 0.0 352.6



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: 60.580 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011673.D

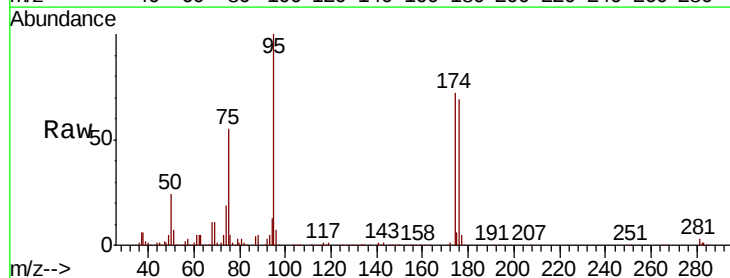
Acq: 03 Aug 2019 18:22

Tgt Ion: 75 Resp: 70758

Ion Ratio Lower Upper

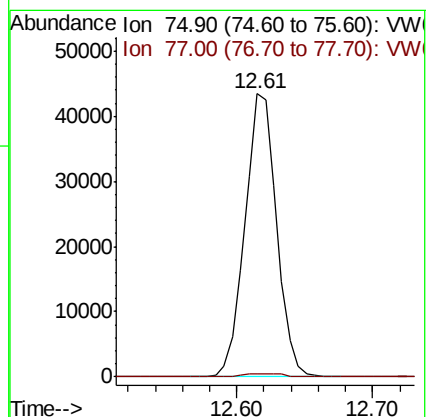
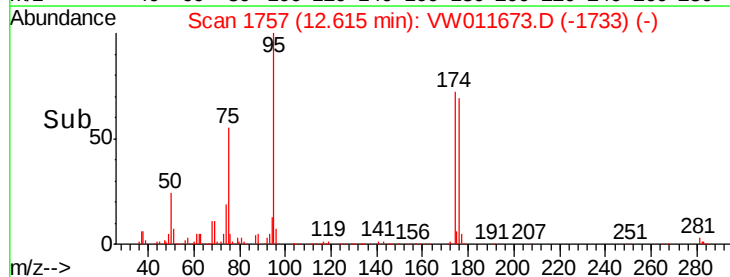
75 100

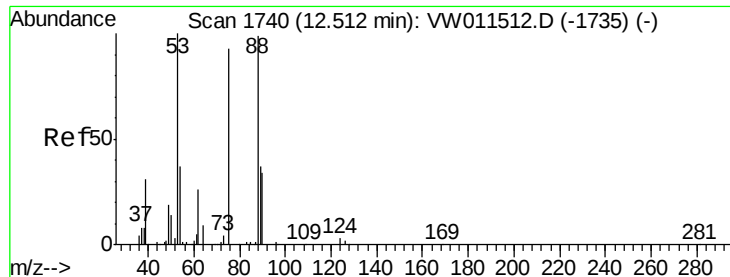
77 1.5 0.0 0.0#



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: 139.616 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011673.D

Acq: 03 Aug 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

2S-E3-(0-1)

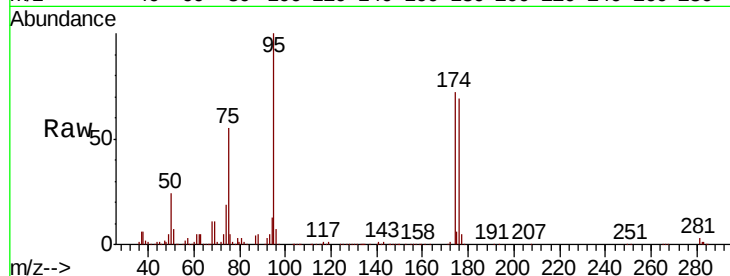
Tgt Ion: 75 Resp: 70758

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

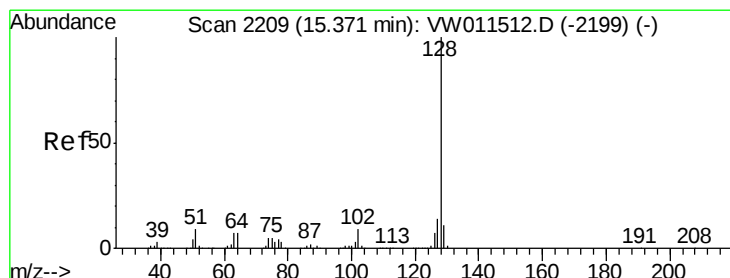
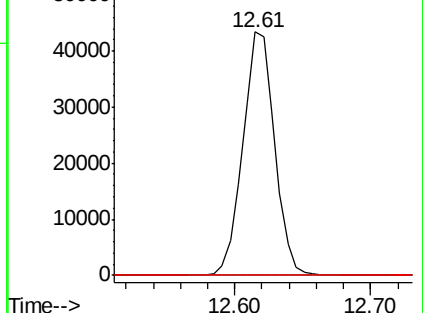
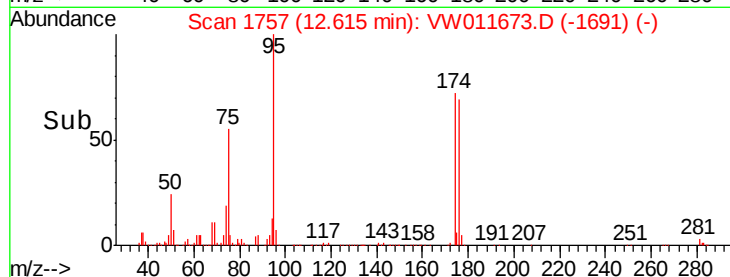
89 0.1 35.3 52.9#



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: 2.120 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011673.D

Acq: 03 Aug 2019 18:22

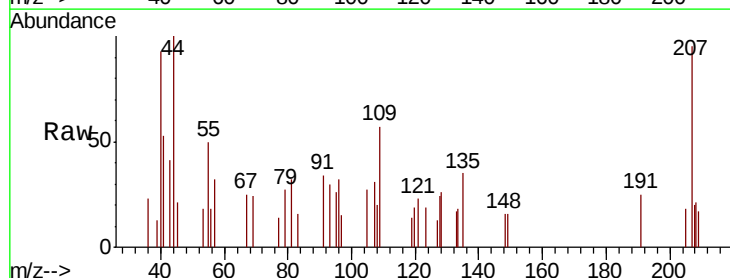
Tgt Ion: 128 Resp: 244

Ion Ratio Lower Upper

128 100

127 7.8 10.6 16.0#

129 8.2 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

