

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
 Data File : VW013271.D
 Acq On : 24 Sep 2019 13:03
 Operator : SY/VA
 Sample : K4957-03RE
 Misc : 5.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-42-6.5-7.0

Quant Time: Sep 25 07:10:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	332914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	492989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	416916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	188525	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	133461	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
35) Dibromofluoromethane	7.88	113	135601	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	10.32	98	565195	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.62	95	182045	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	

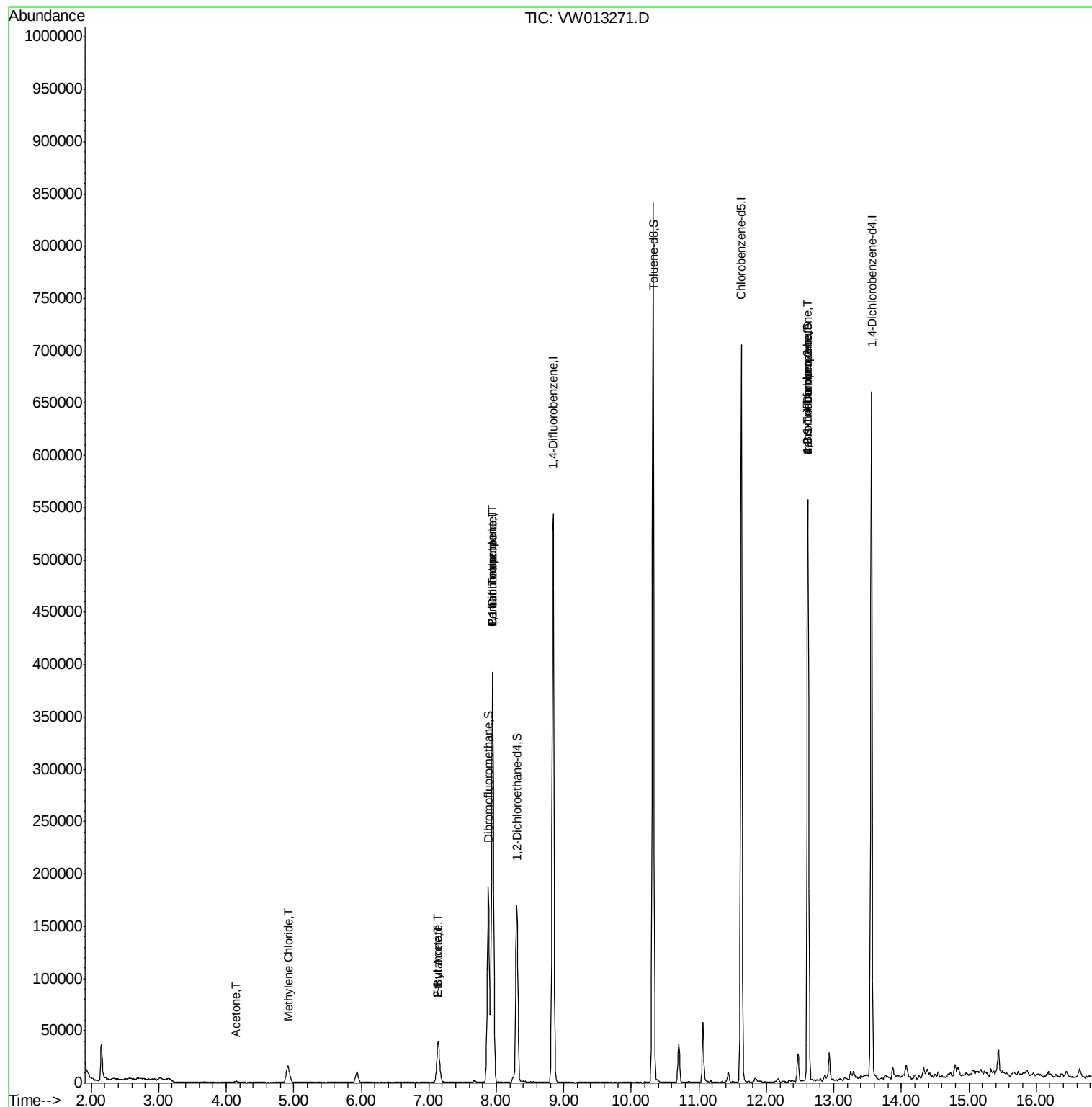
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	706	Below Cal	#	73
16) Acetone	4.14	43	2965	4.839	ug/l	100
20) Methylene Chloride	4.92	84	13727	1.567	ug/l	93
25) 2-Butanone	7.14	43	2391	2.599	ug/l	# 65
26) 2,2-Dichloropropane	7.13	77	3130	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	21406	4.483	ug/l	# 49
37) Ethyl Acetate	7.14	43	2391	1.178	ug/l	# 1
38) Carbon Tetrachloride	7.95	117	28085	6.561	ug/l	# 18
76) 1,2,3-Trichloropropane	12.62	75	85949	51.623	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	85949	115.838	ug/l	# 12

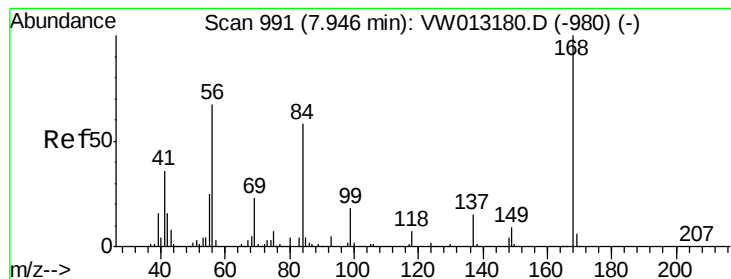
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
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QLast Update : Fri Sep 20 15:58:08 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: VW013271.D

Acq: 24 Sep 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

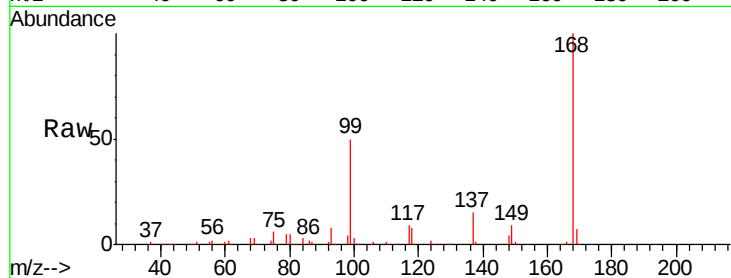
SB-42-6.5-7.0

Tgt Ion:168 Resp: 332914

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

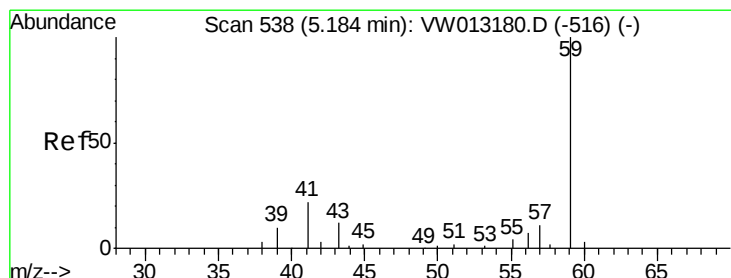
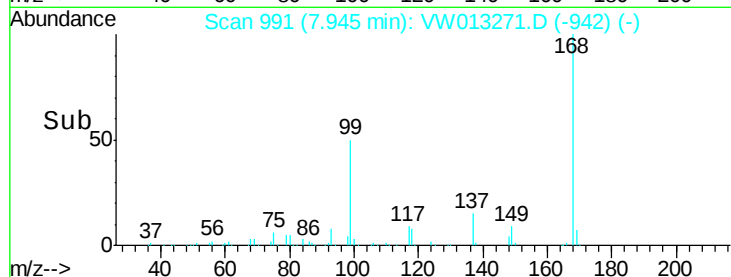
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.01 min

Lab File: VW013271.D

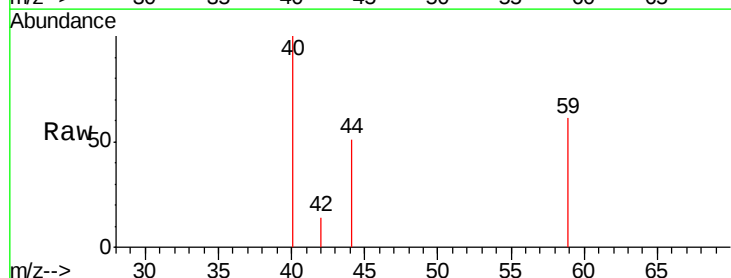
Acq: 24 Sep 2019 13:03

Tgt Ion: 59 Resp: 706

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

250

200

150

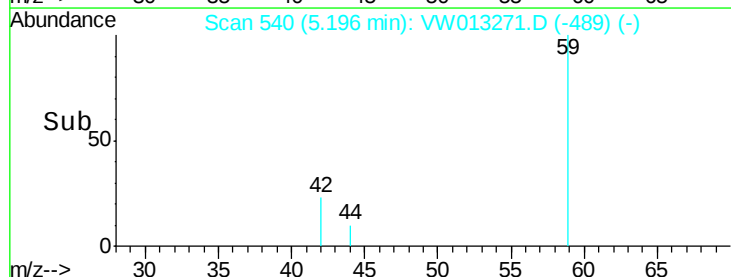
100

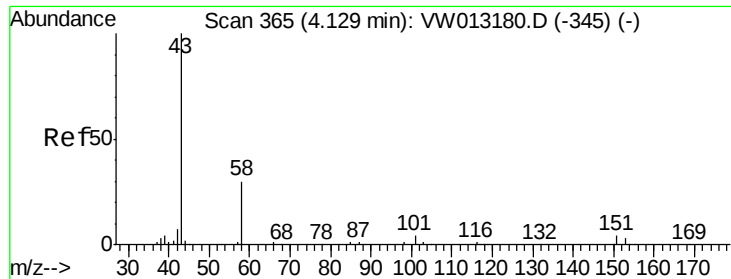
50

0

5.15 5.20 5.25

Time-->





#16

Acetone

Concen: 4.839 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013271.D

Acq: 24 Sep 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

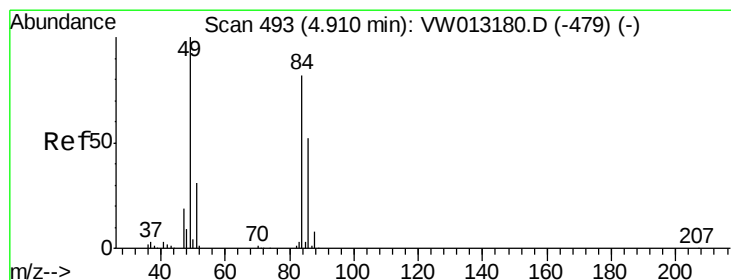
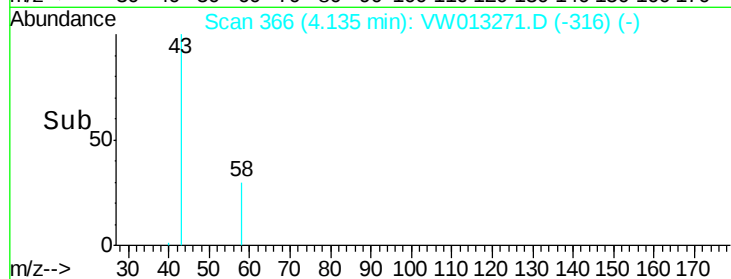
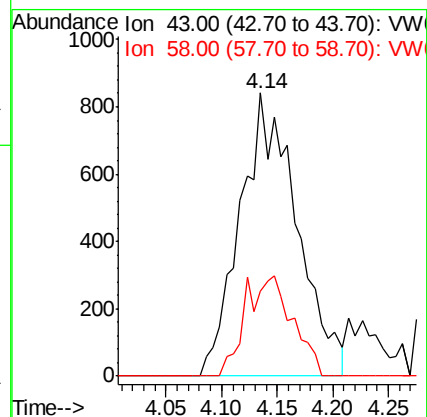
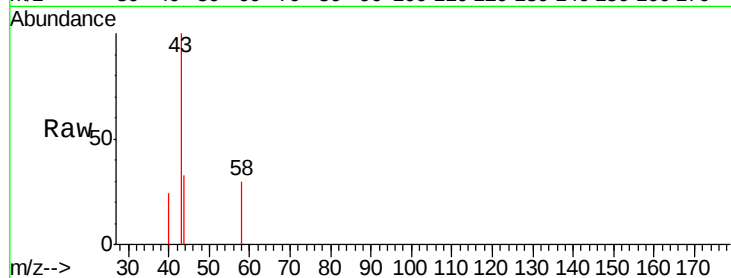
SB-42-6.5-7.0

Tgt Ion: 43 Resp: 2965

Ion Ratio Lower Upper

43 100

58 30.0 24.1 36.1



#20

Methylene Chloride

Concen: 1.567 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW013271.D

Acq: 24 Sep 2019 13:03

Tgt Ion: 84 Resp: 13727

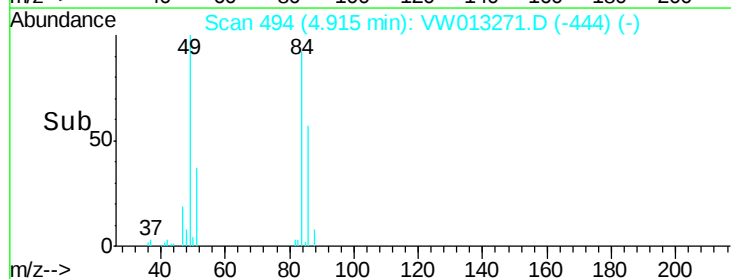
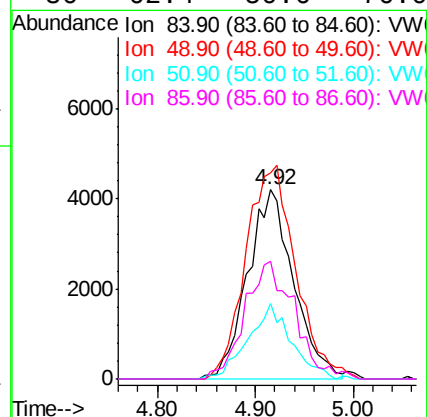
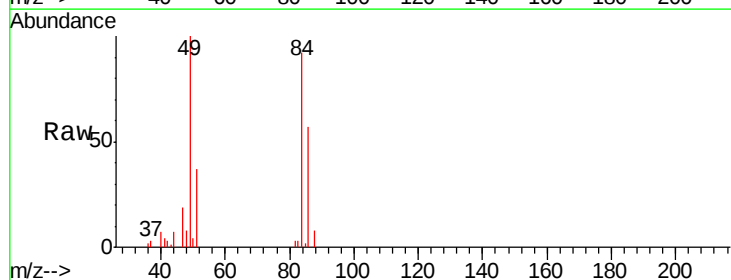
Ion Ratio Lower Upper

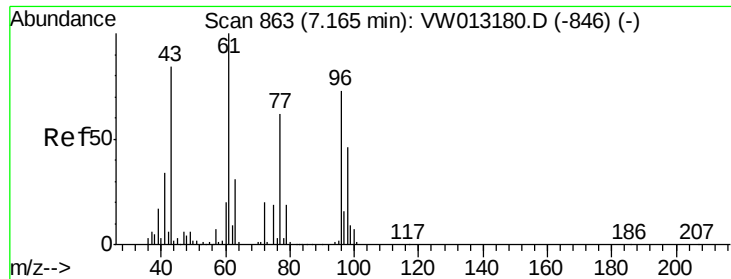
84 100

49 109.1 97.6 146.4

51 40.2 30.2 45.2

86 62.4 50.6 76.0





#25

2-Butanone

Concen: 2.599 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013271.D

Acq: 24 Sep 2019 13:03

Instrument :

MSVOA_W

ClientSampled :

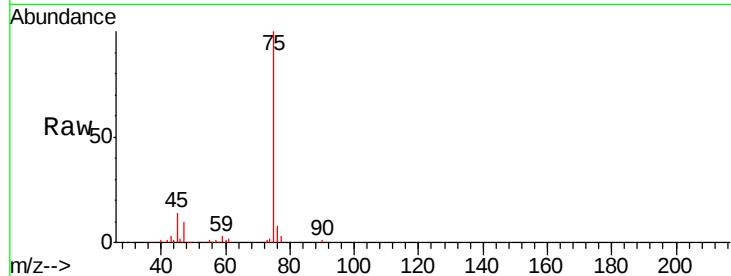
SB-42-6.5-7.0

Tgt Ion: 43 Resp: 2391

Ion Ratio Lower Upper

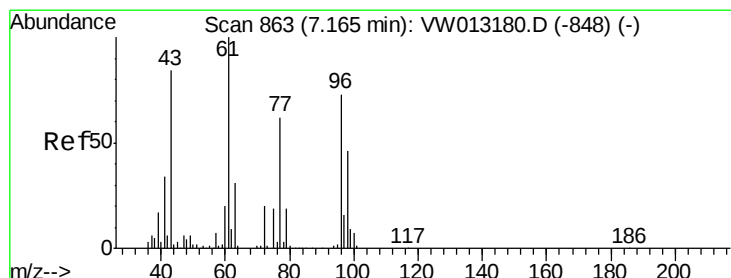
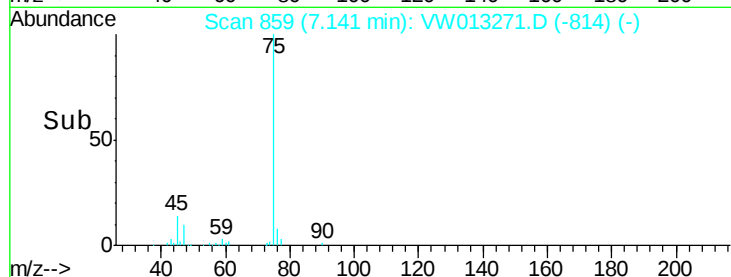
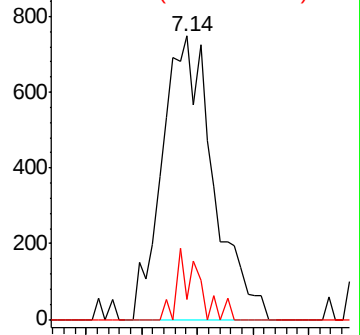
43 100

72 6.8 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW013271.D

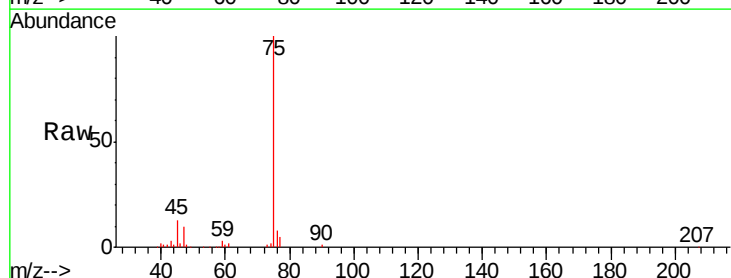
Acq: 24 Sep 2019 13:03

Tgt Ion: 77 Resp: 3130

Ion Ratio Lower Upper

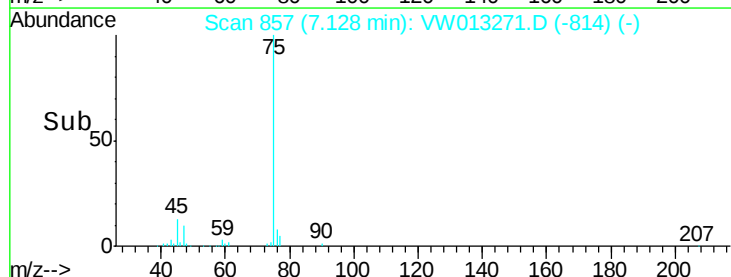
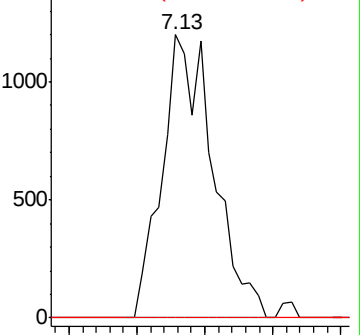
77 100

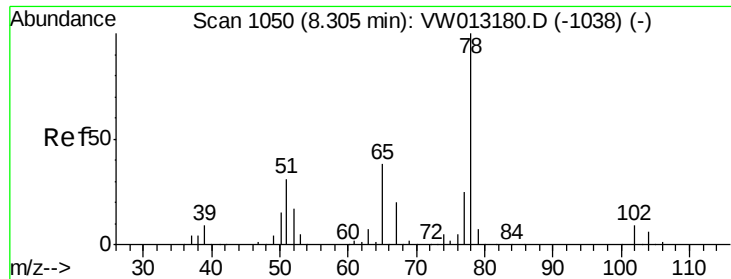
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

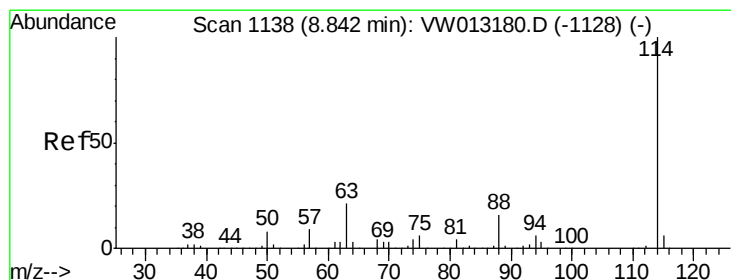
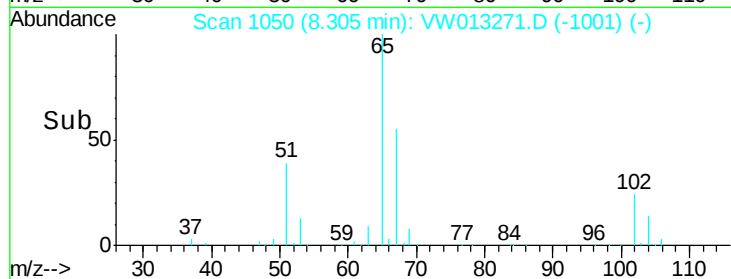
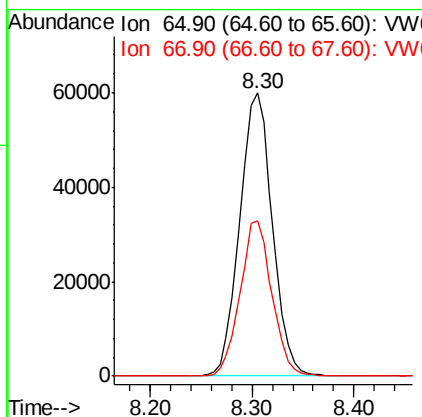
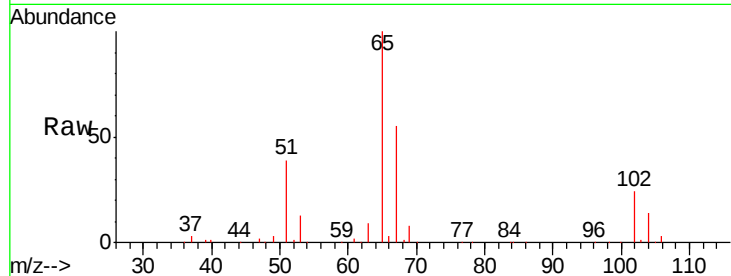




#33
 1,2-Dichloroethane-d4
 Concen: 49.120 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013271.D
 Acq: 24 Sep 2019 13:03

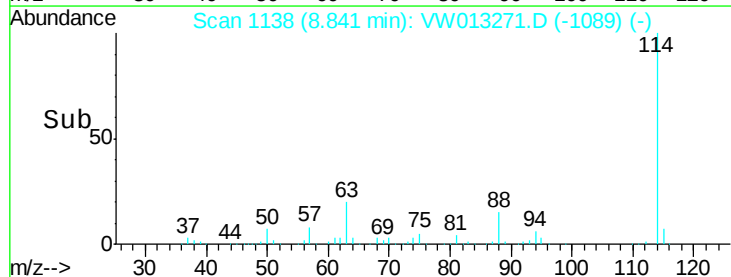
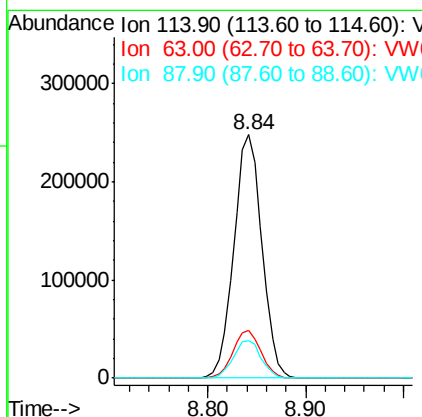
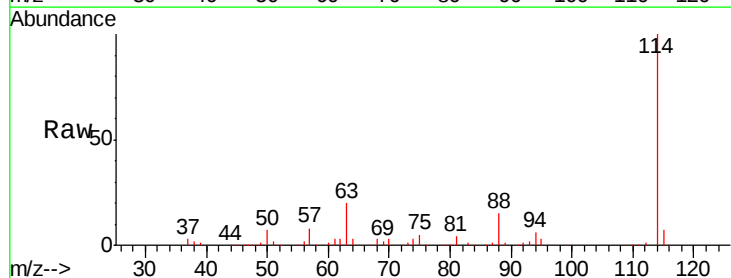
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-42-6.5-7.0

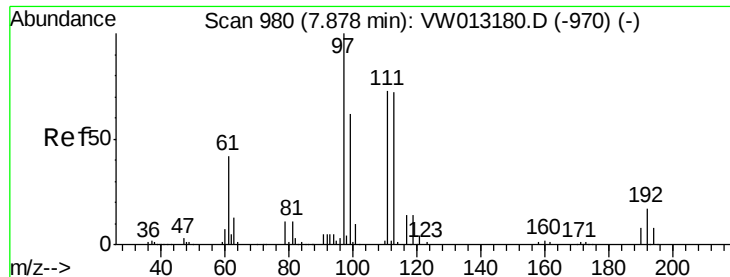
Tgt Ion: 65 Resp: 133461
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013271.D
 Acq: 24 Sep 2019 13:03

Tgt Ion: 114 Resp: 492989
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.011 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013271.D

Acq: 24 Sep 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

SB-42-6.5-7.0

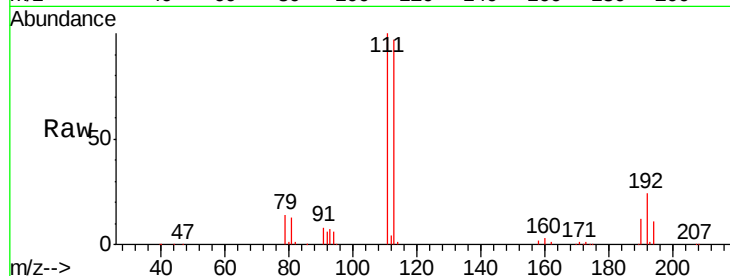
Tgt Ion:113 Resp: 135601

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

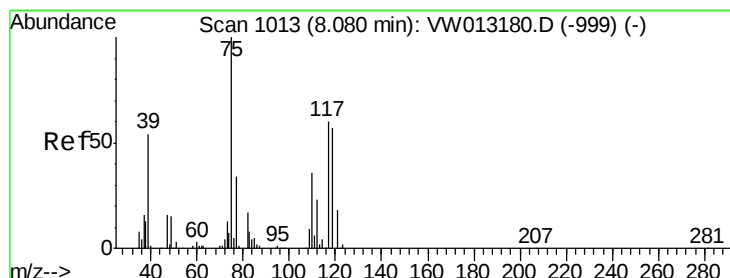
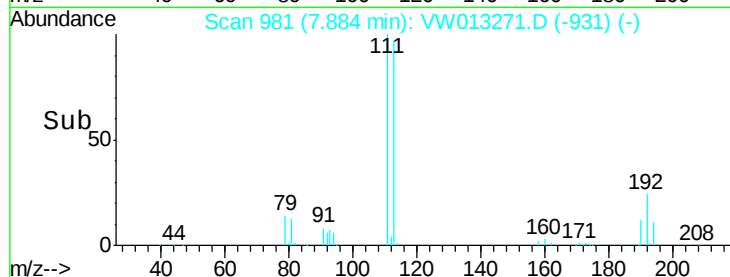
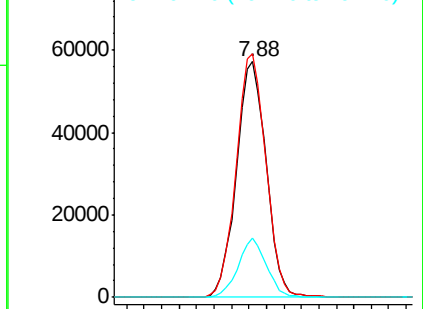
192 23.8 19.1 28.7



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: 4.483 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013271.D

Acq: 24 Sep 2019 13:03

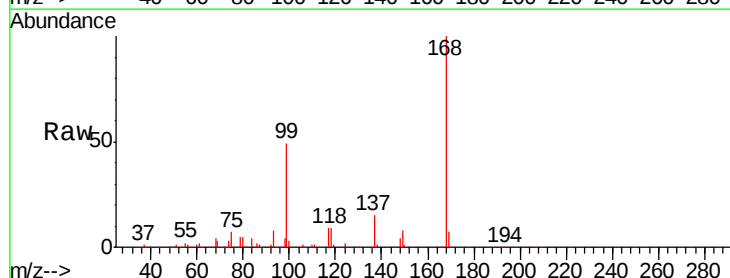
Tgt Ion: 75 Resp: 21406

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.3#

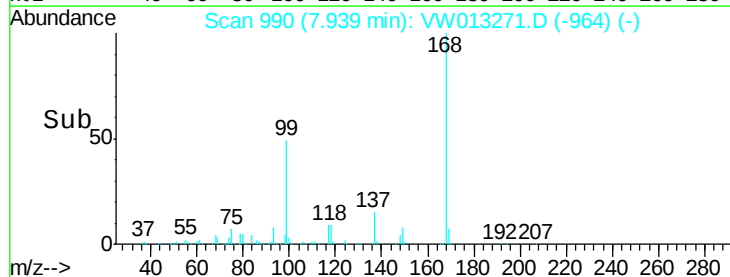
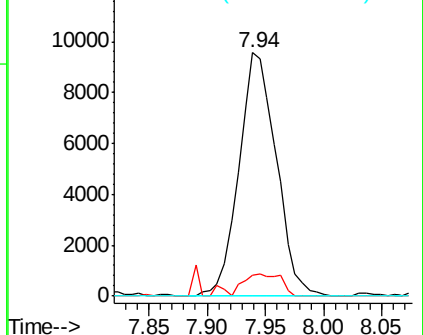
77 0.0 25.8 38.6#

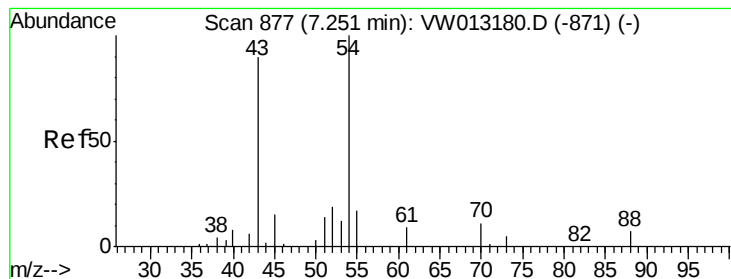


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.178 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.11 min

Lab File: VW013271.D

Acq: 24 Sep 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

SB-42-6.5-7.0

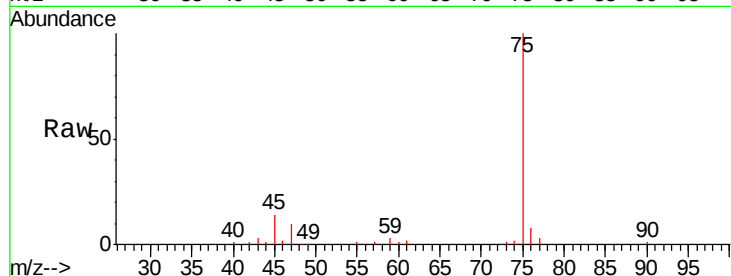
Tgt Ion: 43 Resp: 2391

Ion Ratio Lower Upper

43 100

61 78.7 10.9 16.3#

70 1.0 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

7.14

600

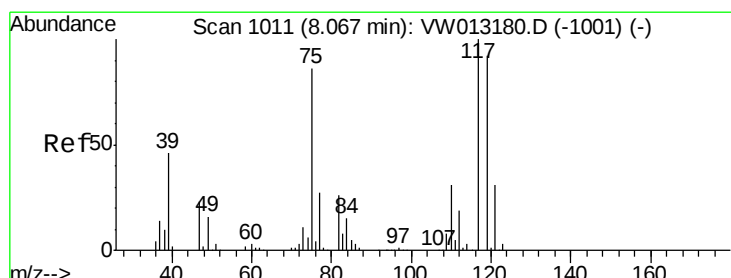
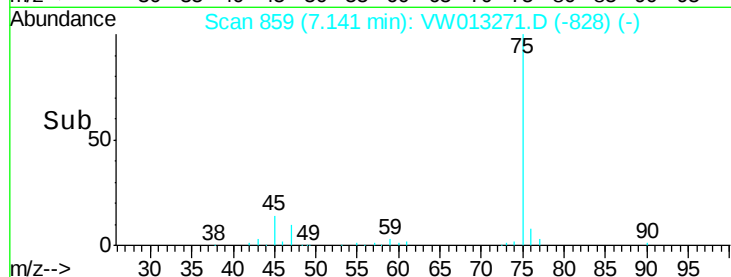
400

200

0

7.05 7.10 7.15 7.20 7.25

Time-->



#38

Carbon Tetrachloride

Concen: 6.561 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013271.D

Acq: 24 Sep 2019 13:03

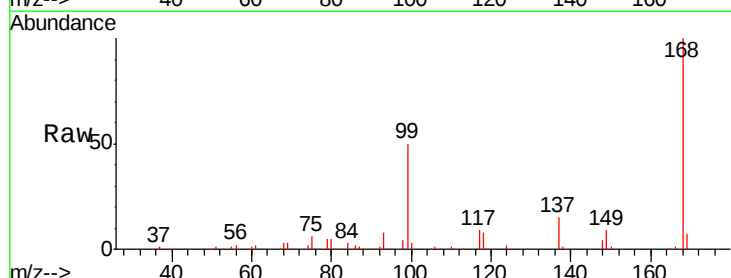
Tgt Ion: 117 Resp: 28085

Ion Ratio Lower Upper

117 100

119 4.9 73.5 110.3#

121 0.0 25.0 37.6#



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

7.95

15000

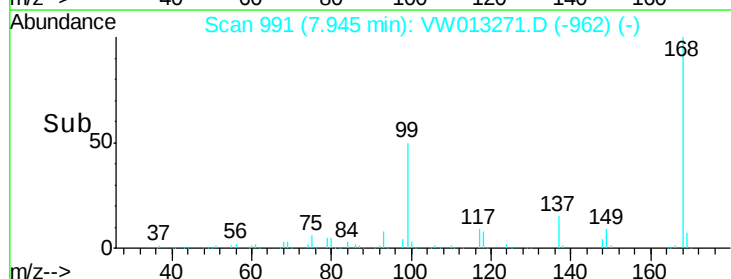
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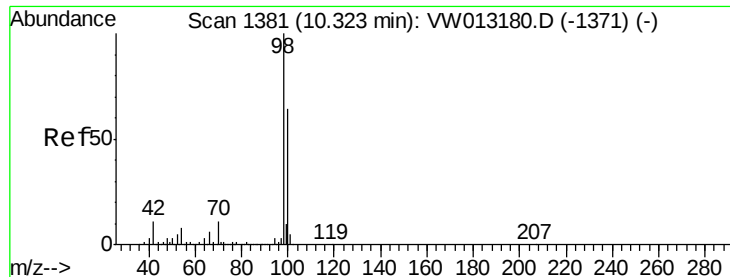
5000

0

7.85 7.90 7.95 8.00

Time-->

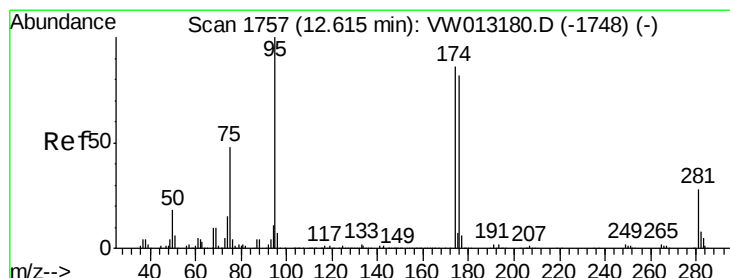
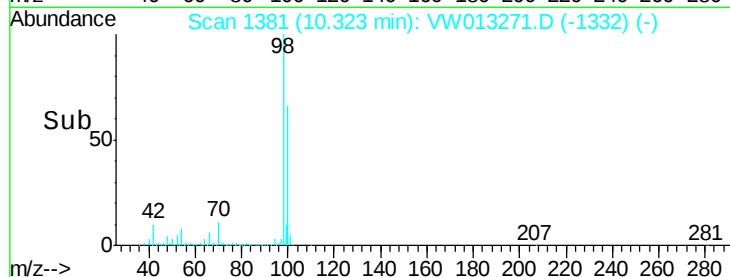
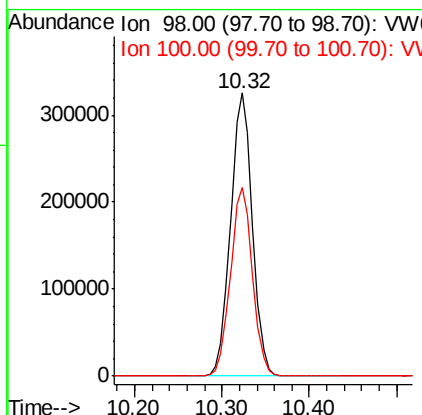
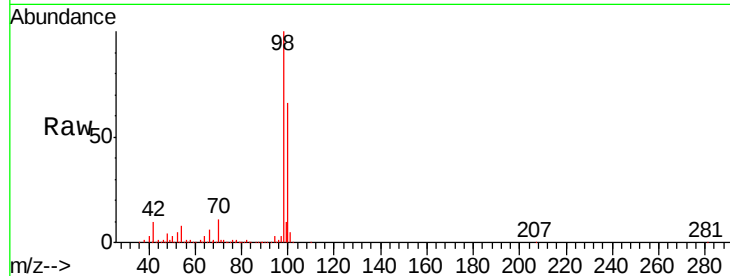




#50
Toluene-d8
Concen: 49.807 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013271.D
Acq: 24 Sep 2019 13:03

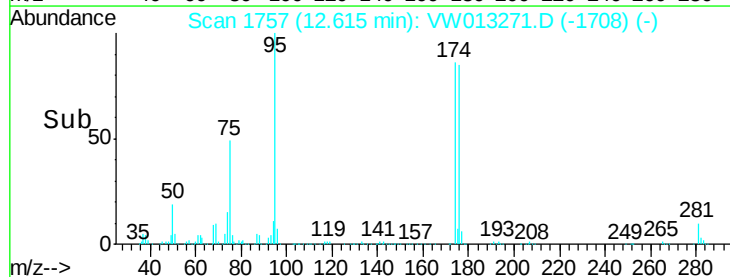
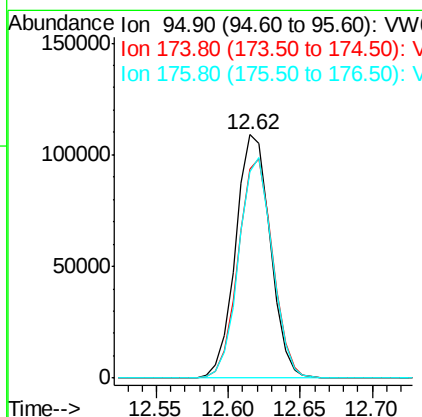
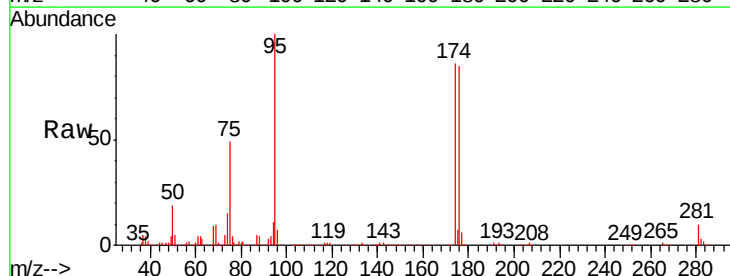
Instrument :
MSVOA_W
ClientSampleId :
SB-42-6.5-7.0

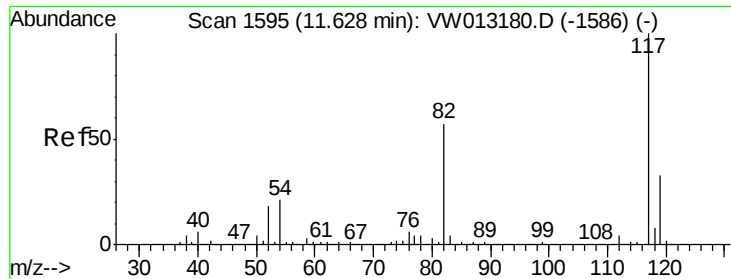
Tgt Ion: 98 Resp: 565195
Ion Ratio Lower Upper
98 100
100 67.0 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 46.964 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013271.D
Acq: 24 Sep 2019 13:03

Tgt Ion: 95 Resp: 182045
Ion Ratio Lower Upper
95 100
174 89.3 0.0 178.4
176 87.7 0.0 172.2

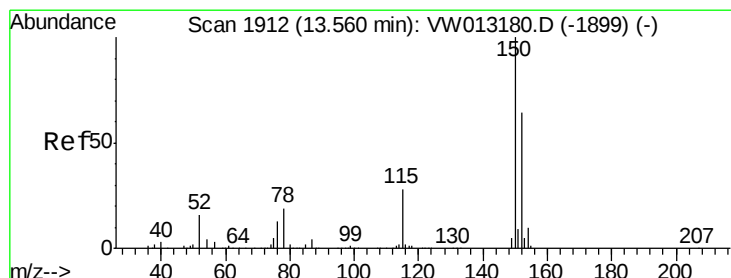
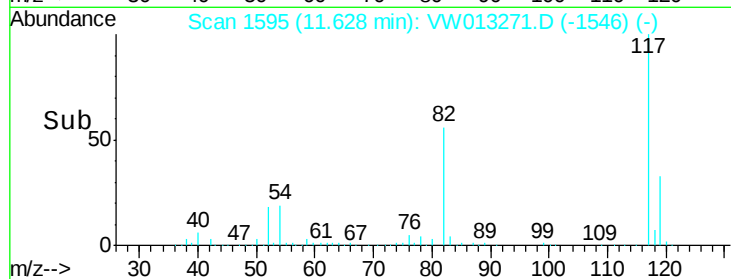
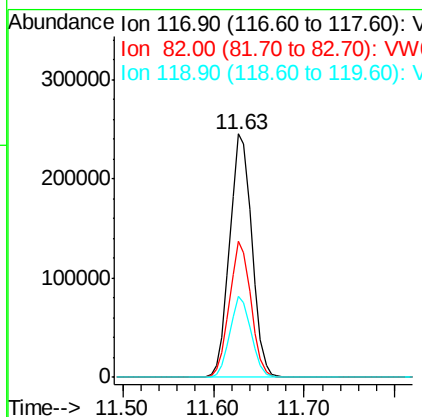
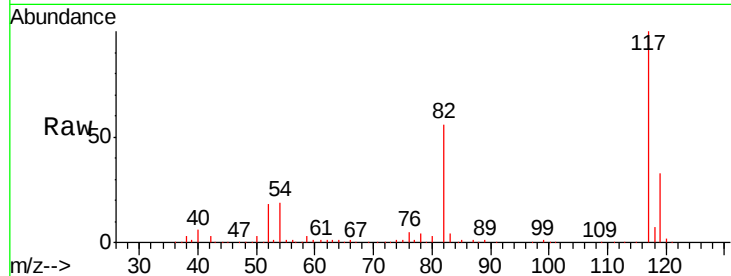




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013271.D
Acq: 24 Sep 2019 13:03

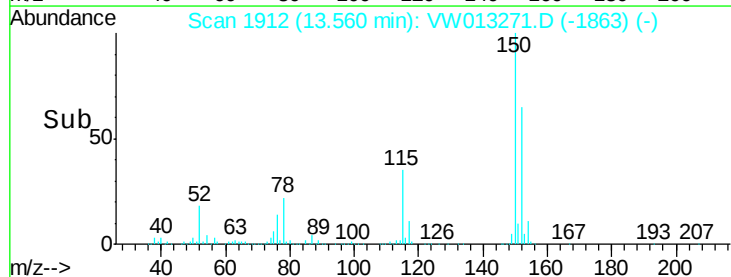
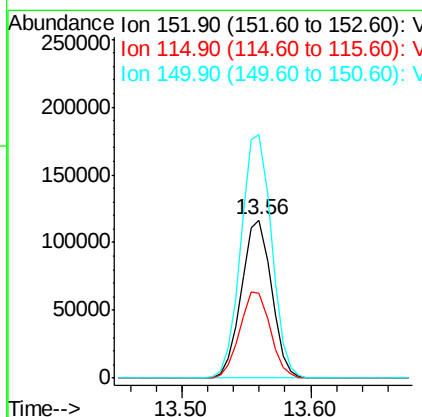
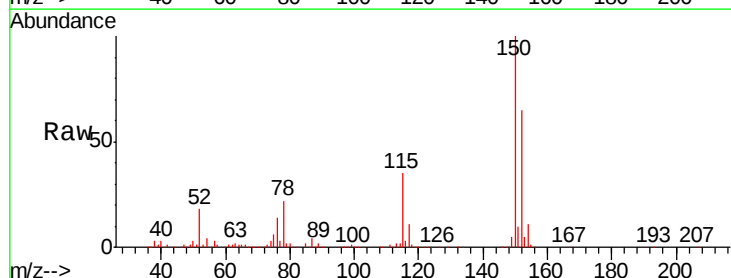
Instrument :
MSVOA_W
ClientSampleId :
SB-42-6.5-7.0

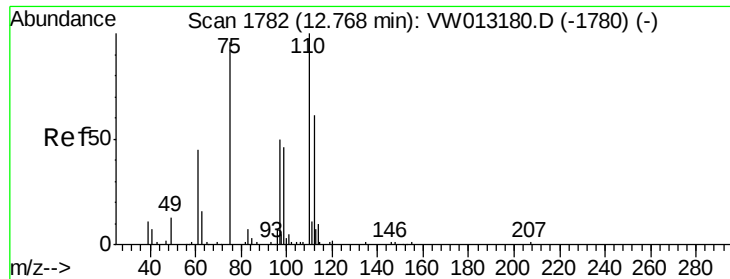
Tgt Ion:117 Resp: 416916
Ion Ratio Lower Upper
117 100
82 55.8 45.9 68.9
119 33.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013271.D
Acq: 24 Sep 2019 13:03

Tgt Ion:152 Resp: 188525
Ion Ratio Lower Upper
152 100
115 55.5 27.3 81.9
150 156.7 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 51.623 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013271.D

Acq: 24 Sep 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

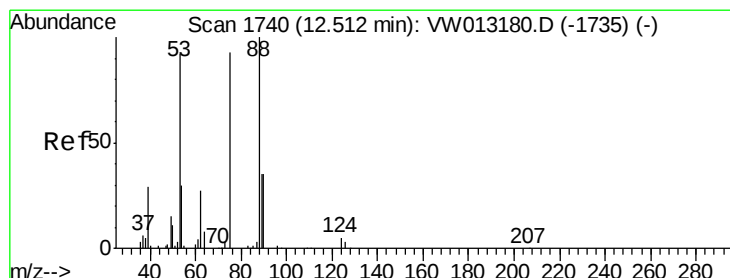
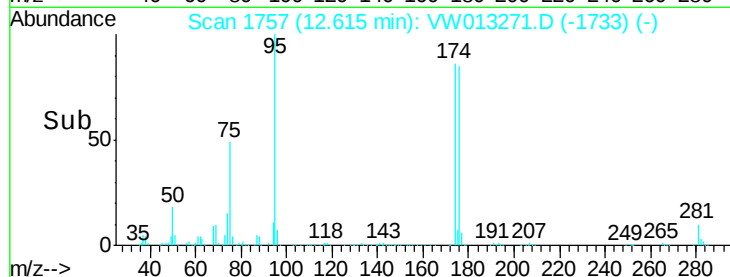
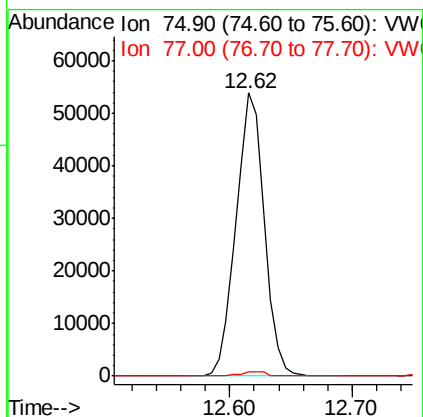
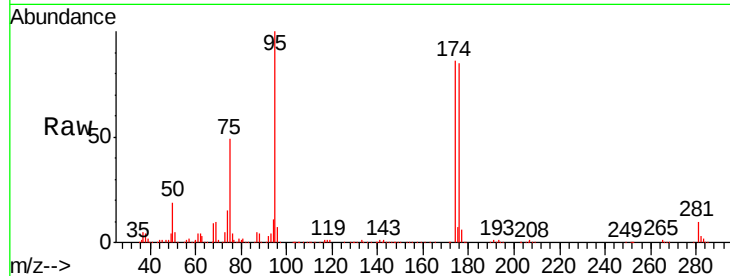
SB-42-6.5-7.0

Tgt Ion: 75 Resp: 85949

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.838 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013271.D

Acq: 24 Sep 2019 13:03

Tgt Ion: 75 Resp: 85949

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.2 33.5 50.3#

