

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
 Data File : VW013217.D
 Acq On : 21 Sep 2019 06:57
 Operator : SY/VA
 Sample : K4989-01
 Misc : 4.47G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-3A

Quant Time: Sep 23 01:03:24 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	398524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	594599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	498011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	210406	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	169949	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.50%		
35) Dibromofluoromethane	7.88	113	162151	49.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.16%		
50) Toluene-d8	10.32	98	697342	50.95	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.90%		
62) 4-Bromofluorobenzene	12.62	95	210127	44.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.88%		

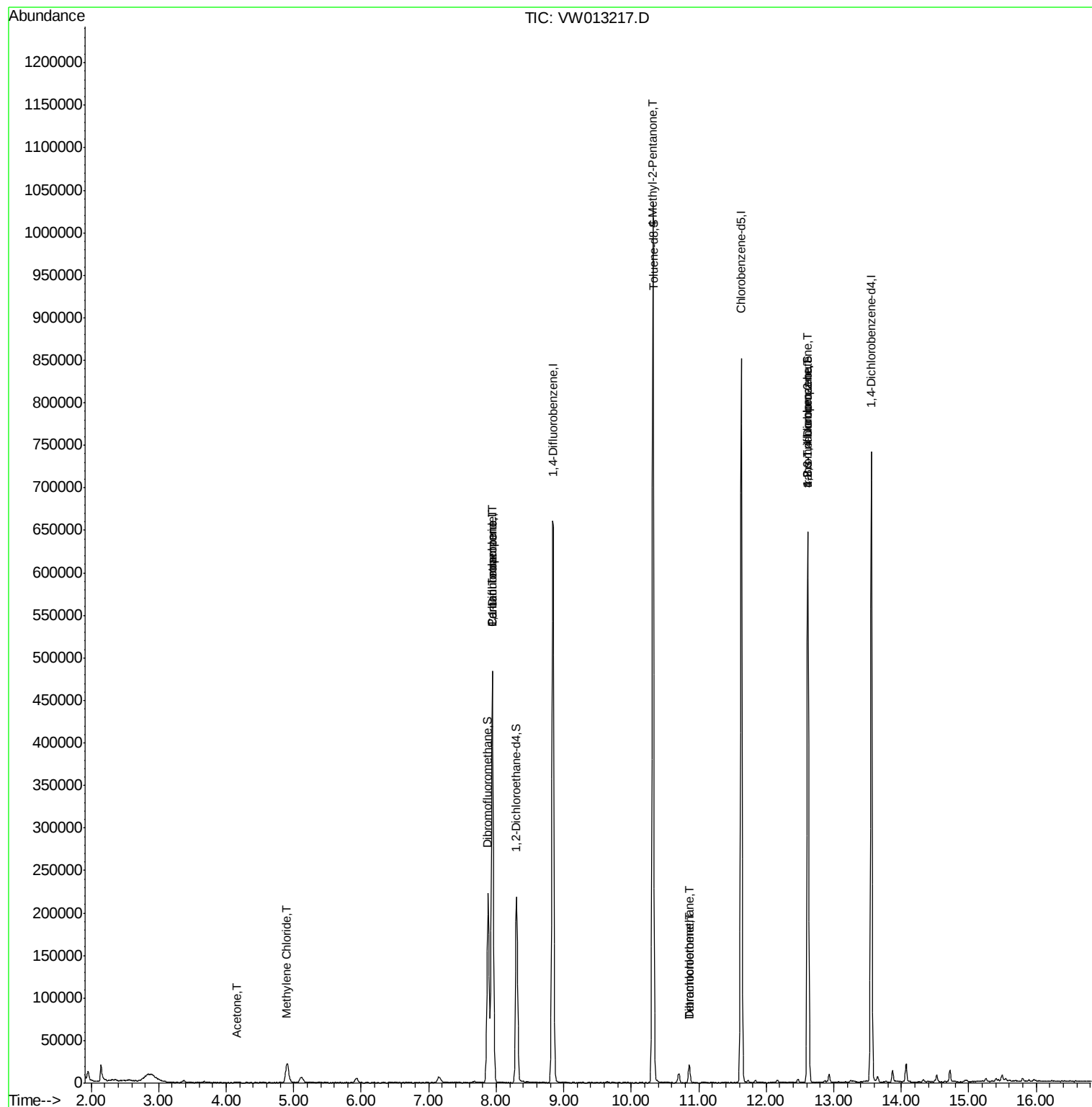
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	181	Below Cal	#	89
16) Acetone	4.15	43	784	1.069	ug/l #	84
20) Methylene Chloride	4.90	84	18531	2.161	ug/l	86
26) 2,2-Dichloropropane	7.14	77	623	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	25855	4.489	ug/l #	49
38) Carbon Tetrachloride	7.95	117	34139	6.613	ug/l #	18
51) 4-Methyl-2-Pentanone	10.31	43	2903	1.234	ug/l #	1
60) Dibromochloromethane	10.85	129	4241	1.312	ug/l #	11
64) Tetrachloroethene	10.86	164	5354	1.417	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	101383	54.561	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	101383	122.430	ug/l #	12

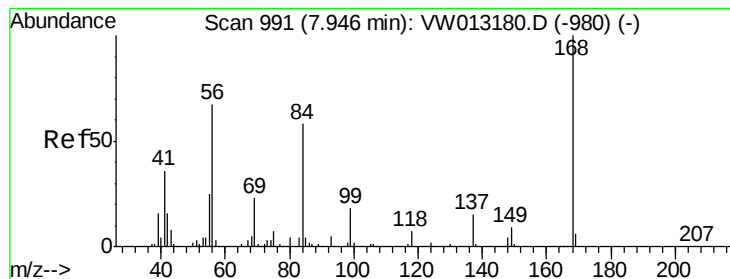
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
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: VW013217.D

Acq: 21 Sep 2019 06:57

Instrument :

MSVOA_W

ClientSampled :

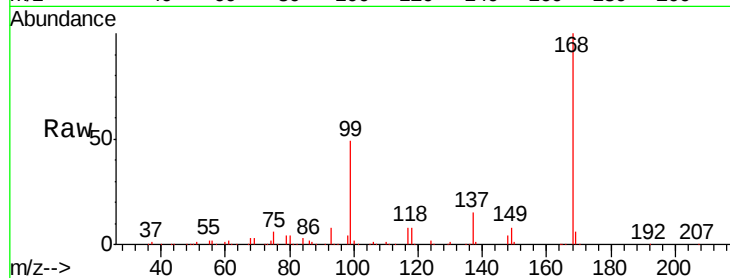
B-3A

Tgt Ion: 168 Resp: 398524

Ion Ratio Lower Upper

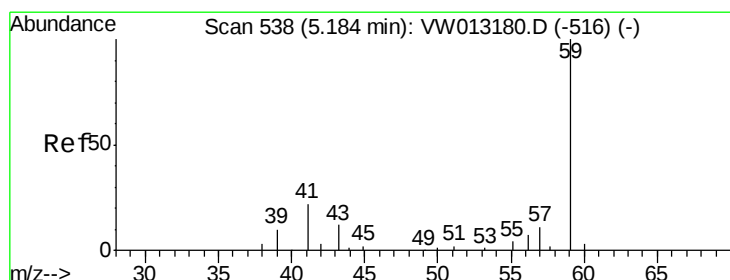
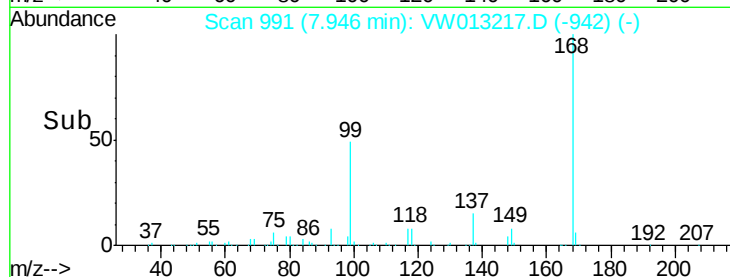
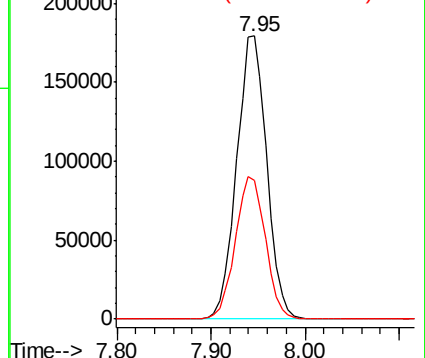
168 100

99 49.1 40.2 60.4



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: 5.24 min Scan# 547

Delta R.T. 0.06 min

Lab File: VW013217.D

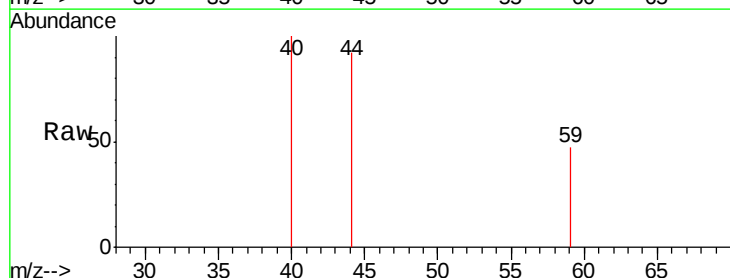
Acq: 21 Sep 2019 06:57

Tgt Ion: 59 Resp: 181

Ion Ratio Lower Upper

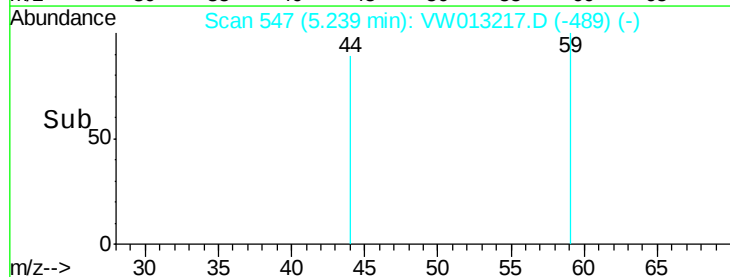
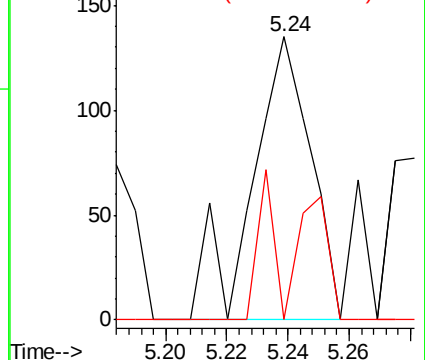
59 100

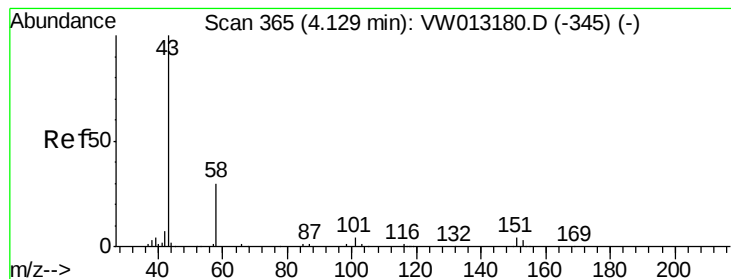
57 14.4 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1.069 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

Lab File: VW013217.D

Acq: 21 Sep 2019 06:57

Instrument :

MSVOA_W

ClientSampleId :

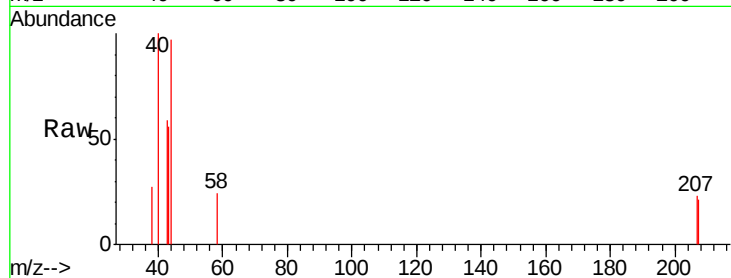
B-3A

Tgt Ion: 43 Resp: 784

Ion Ratio Lower Upper

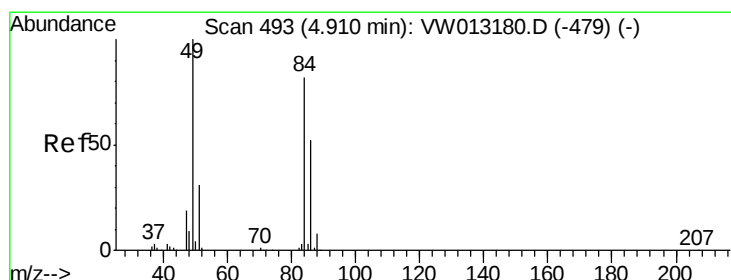
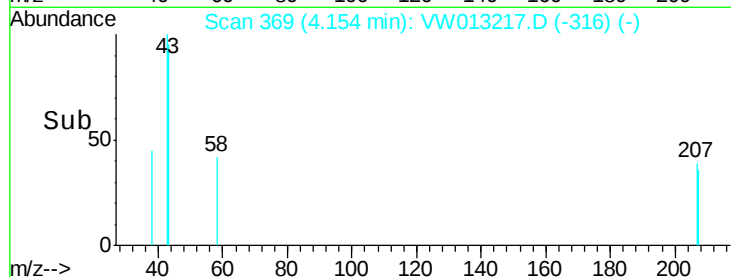
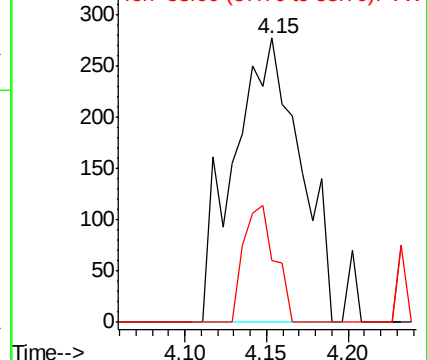
43 100

58 21.3 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.161 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.01 min

Lab File: VW013217.D

Acq: 21 Sep 2019 06:57

Tgt Ion: 84 Resp: 18531

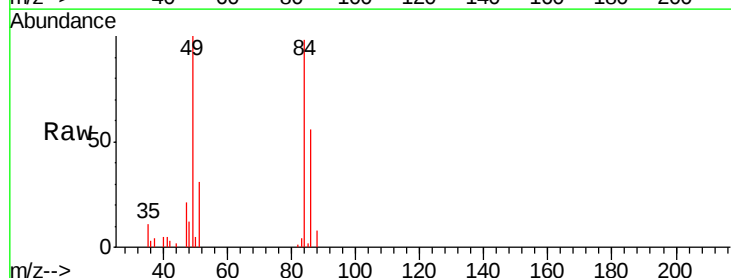
Ion Ratio Lower Upper

84 100

49 101.9 97.6 146.4

51 31.2 30.2 45.2

86 57.6 50.6 76.0

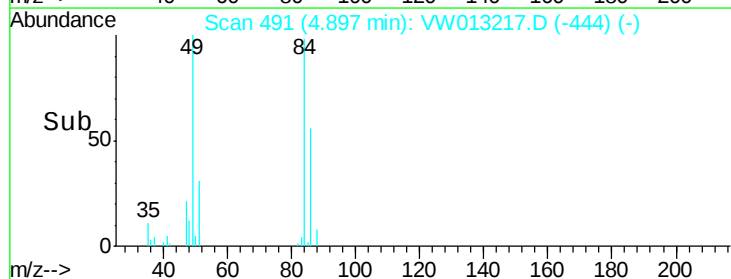
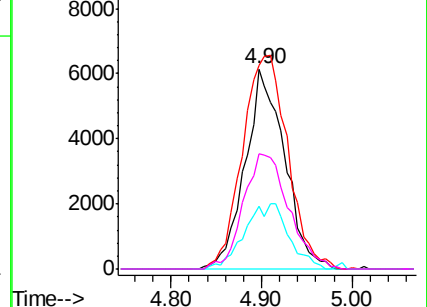


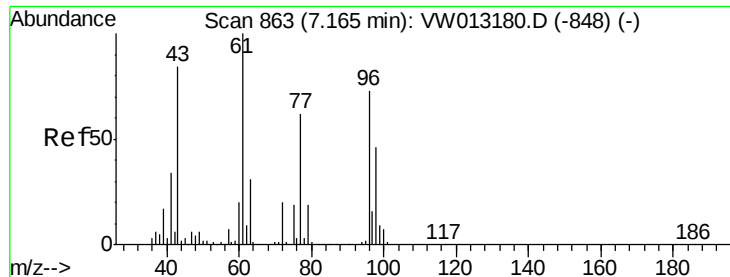
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013217.D

Acq: 21 Sep 2019 06:57

Instrument :

MSVOA_W

ClientSampleId :

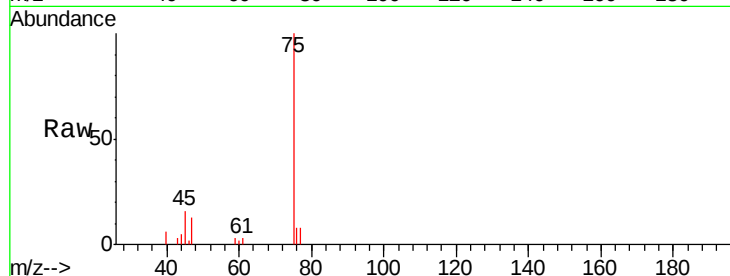
B-3A

Tgt Ion: 77 Resp: 623

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

7.14

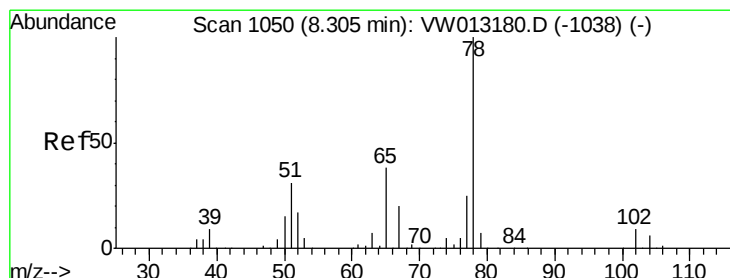
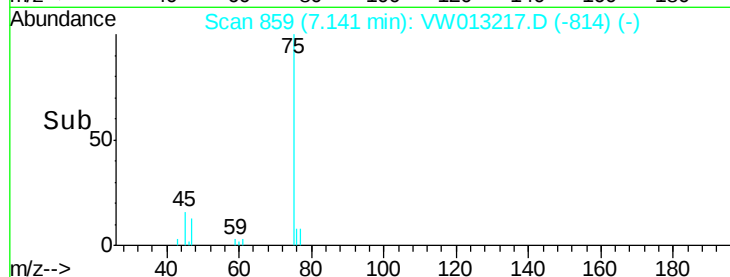
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.251 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013217.D

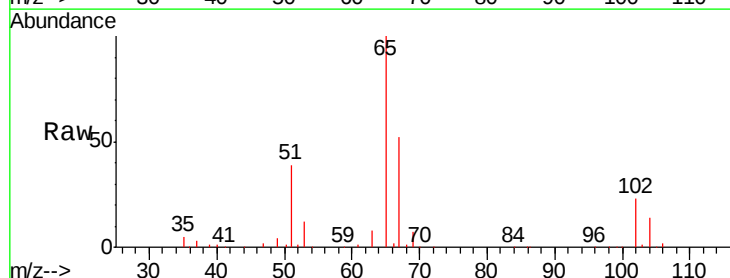
Acq: 21 Sep 2019 06:57

Tgt Ion: 65 Resp: 169949

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

80000

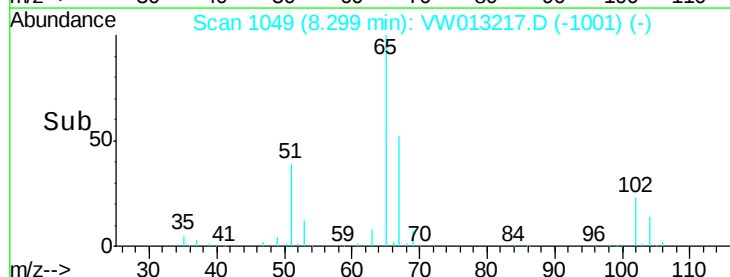
60000

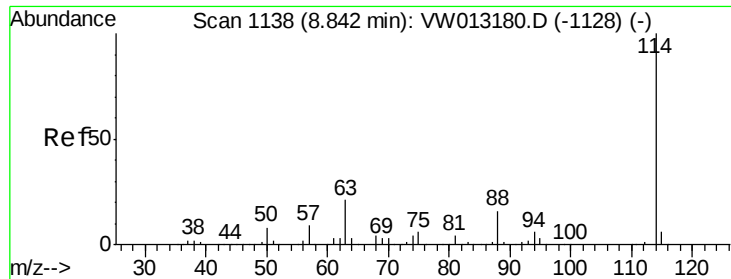
40000

20000

0

Time-->

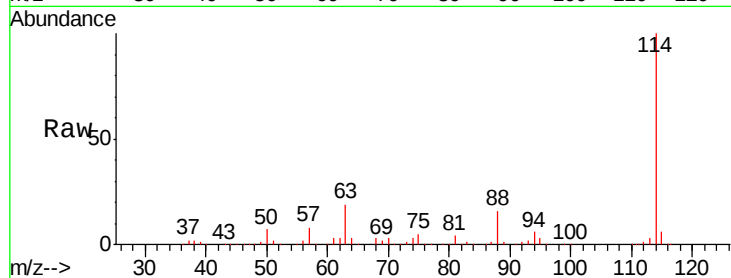




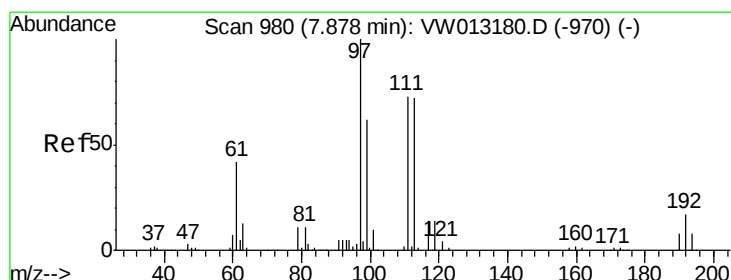
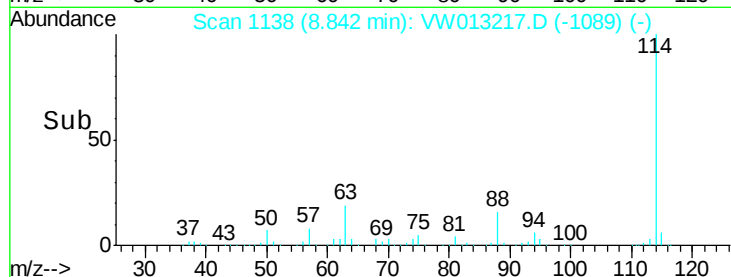
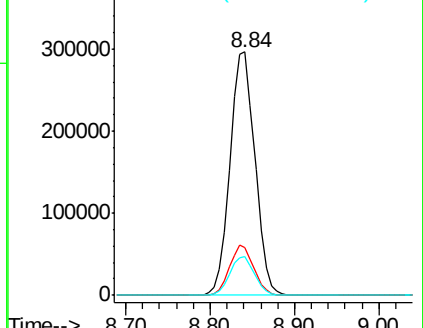
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW013217.D
Acq: 21 Sep 2019 06:57

Instrument :
MSVOA_W
ClientSampleId :
B-3A

Tgt Ion:114 Resp: 594599
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.4
88 16.0 0.0 32.0

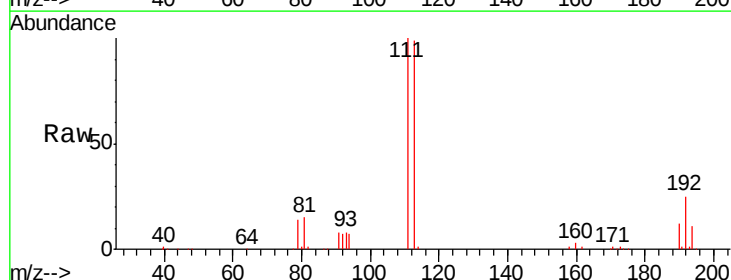


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

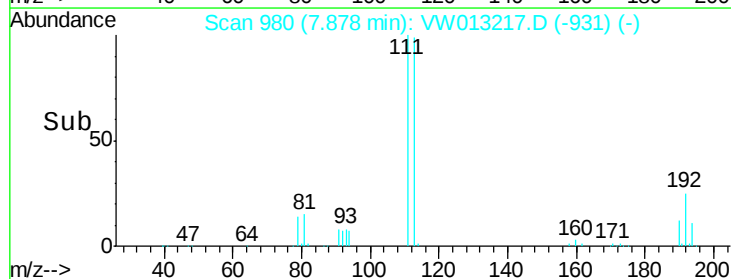
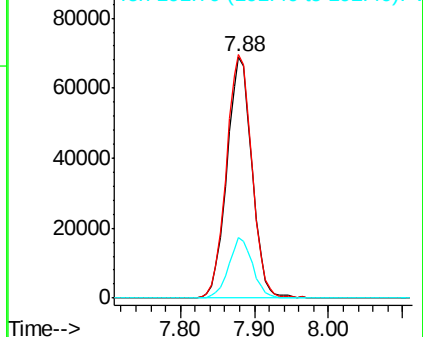


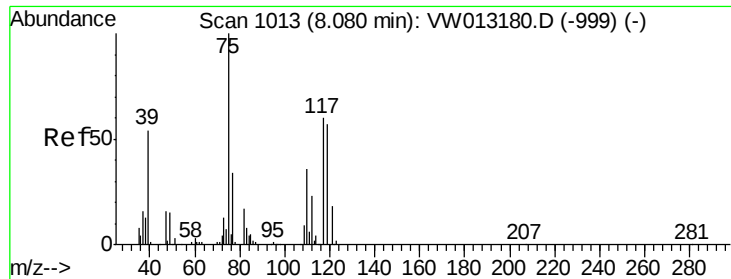
#35
Dibromofluoromethane
Concen: 49.583 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW013217.D
Acq: 21 Sep 2019 06:57

Tgt Ion:113 Resp: 162151
Ion Ratio Lower Upper
113 100
111 102.5 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: 4.489 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013217.D

Acq: 21 Sep 2019 06:57

Instrument :

MSVOA_W

ClientSampleId :

B-3A

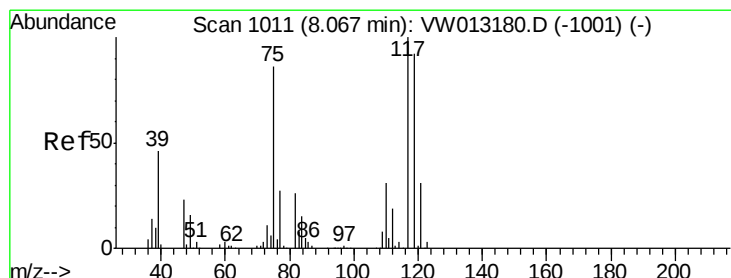
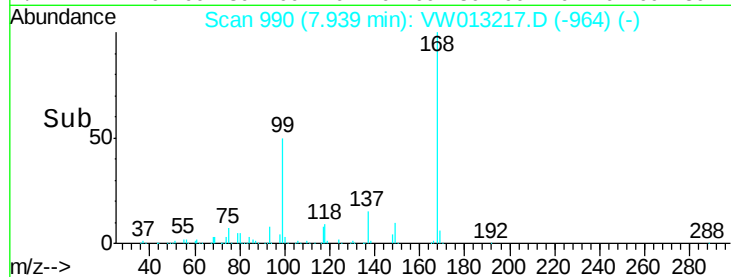
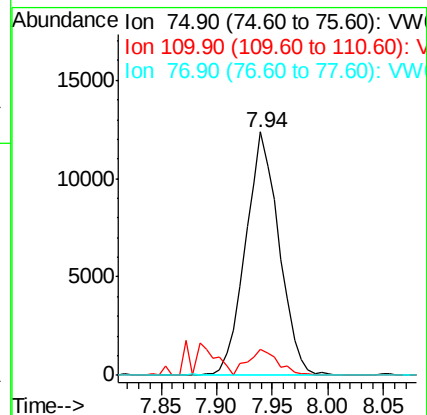
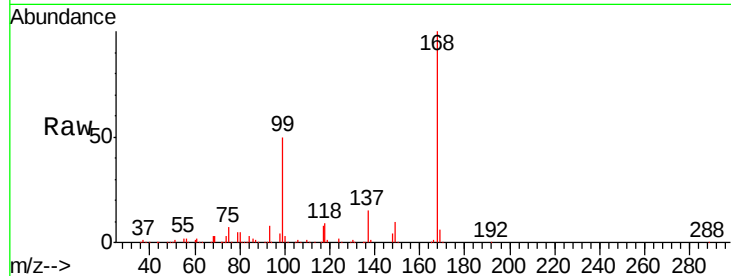
Tgt Ion: 75 Resp: 25855

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.3#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.613 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013217.D

Acq: 21 Sep 2019 06:57

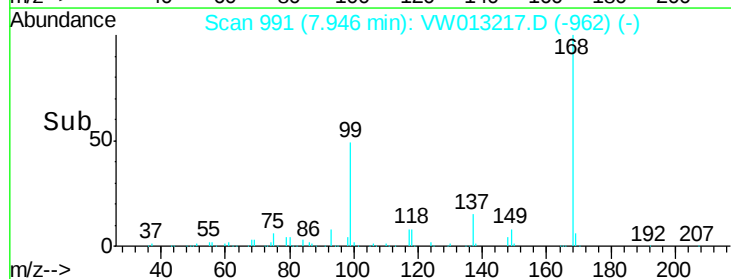
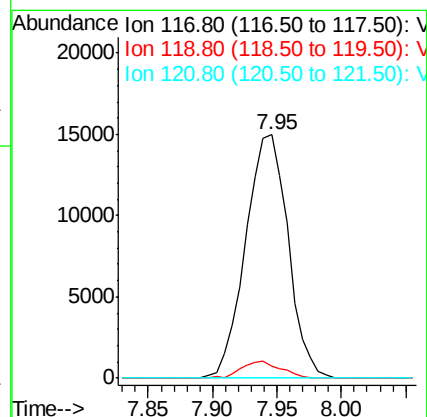
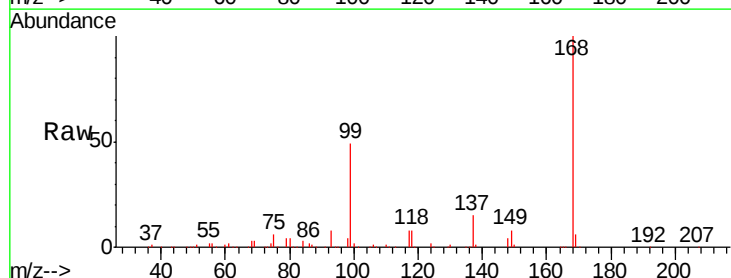
Tgt Ion: 117 Resp: 34139

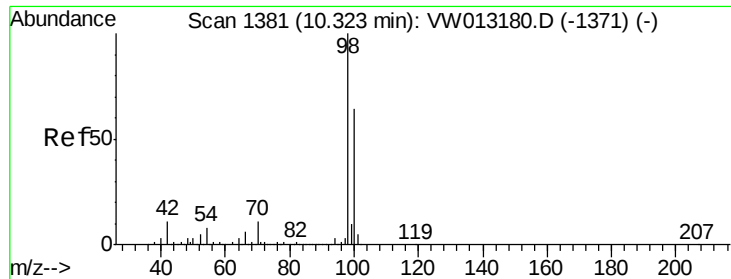
Ion Ratio Lower Upper

117 100

119 5.1 73.5 110.3#

121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 50.951 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013217.D

Acq: 21 Sep 2019 06:57

Instrument :

MSVOA_W

ClientSampled :

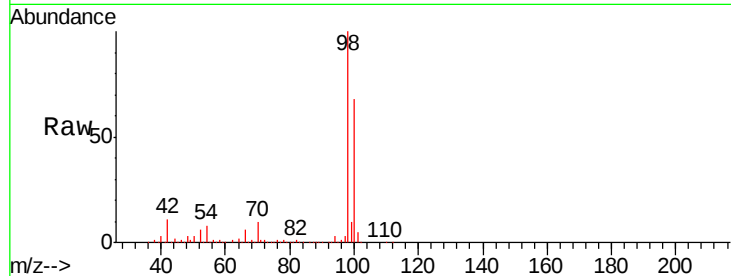
B-3A

Tgt Ion: 98 Resp: 697342

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

400000

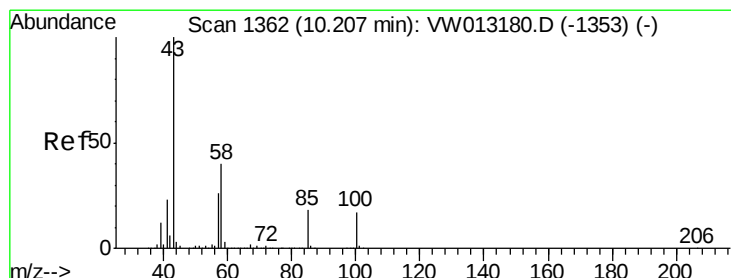
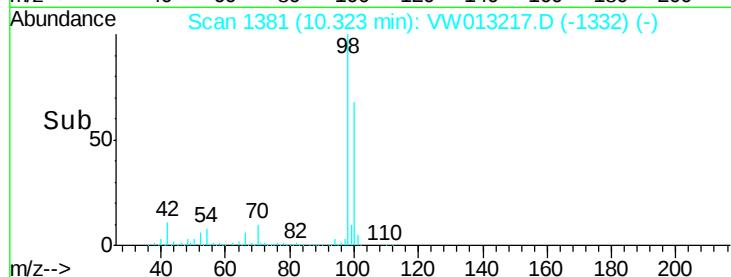
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.234 ug/l

RT: 10.31 min Scan# 1379

Delta R.T. 0.10 min

Lab File: VW013217.D

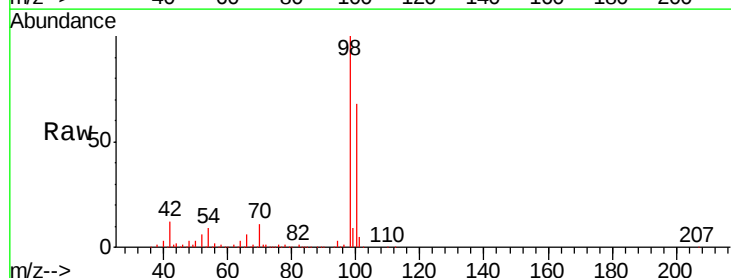
Acq: 21 Sep 2019 06:57

Tgt Ion: 43 Resp: 2903

Ion Ratio Lower Upper

43 100

58 205.1 31.7 47.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4000

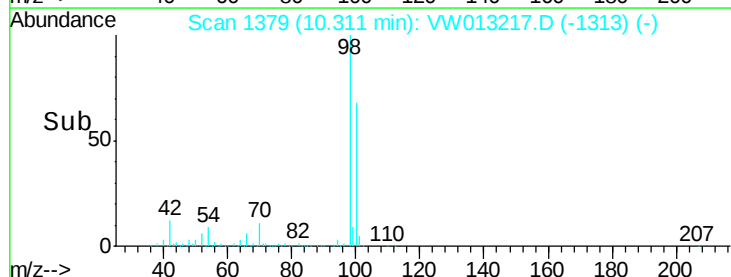
3000

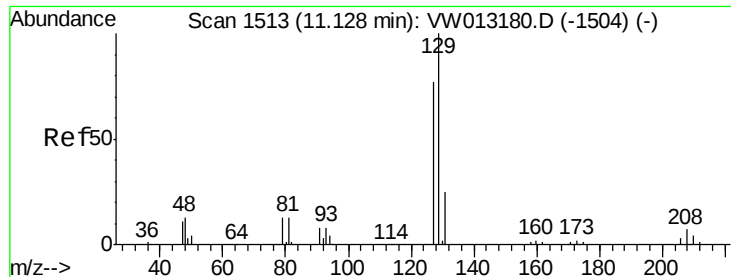
2000

1000

0

Time-->





#60

Dibromochloromethane

Concen: 1.312 ug/l

RT: 10.85 min Scan# 1468

Delta R.T. -0.27 min

Lab File: VW013217.D

Acq: 21 Sep 2019 06:57

Instrument :

MSVOA_W

ClientSampled :

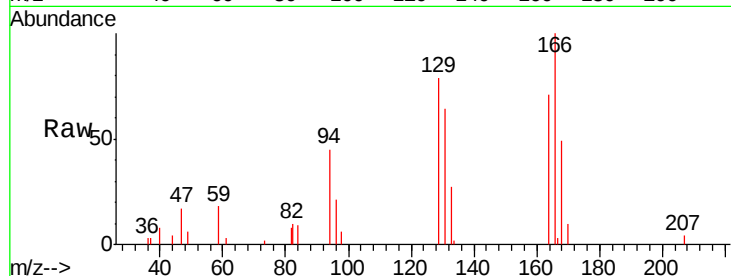
B-3A

Tgt Ion: 129 Resp: 4241

Ion Ratio Lower Upper

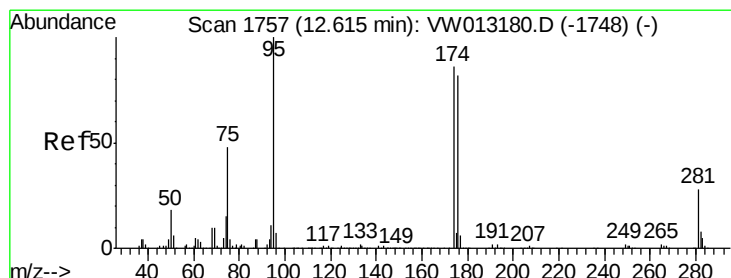
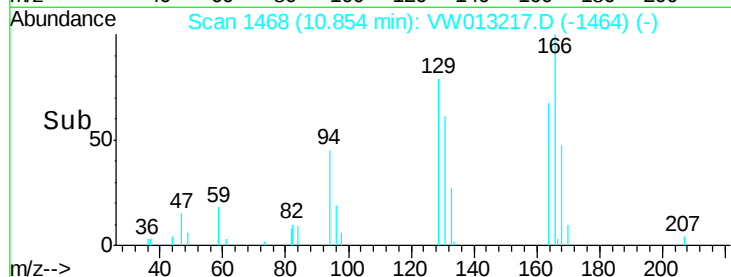
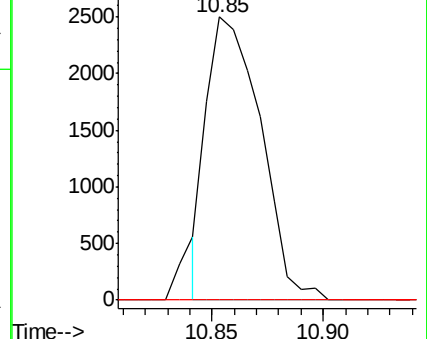
129 100

127 0.0 38.8 116.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.945 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013217.D

Acq: 21 Sep 2019 06:57

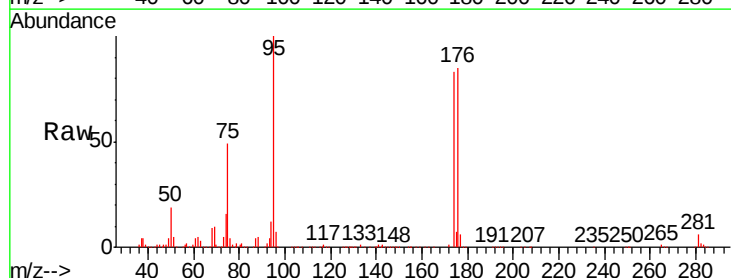
Tgt Ion: 95 Resp: 210127

Ion Ratio Lower Upper

95 100

174 87.9 0.0 178.4

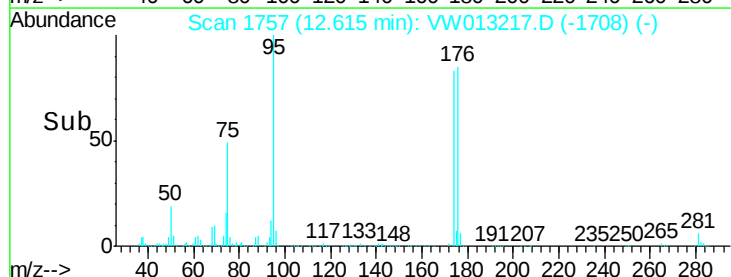
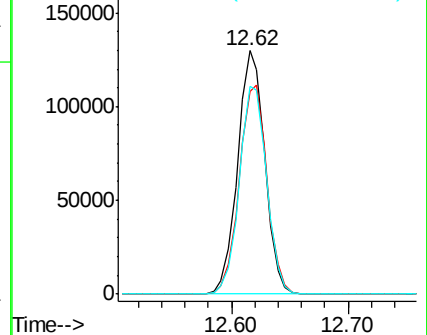
176 86.3 0.0 172.2

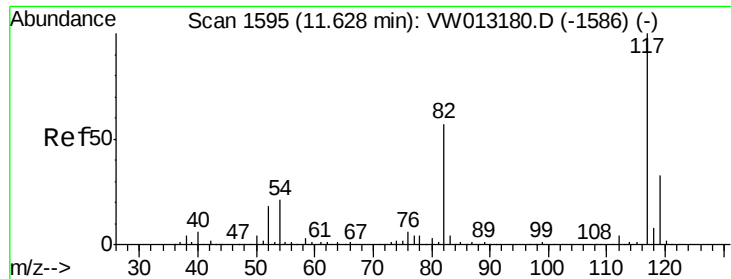


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

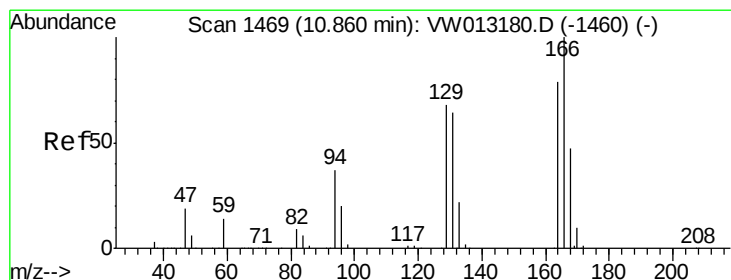
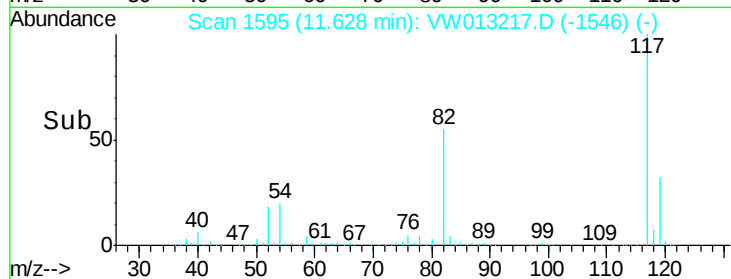
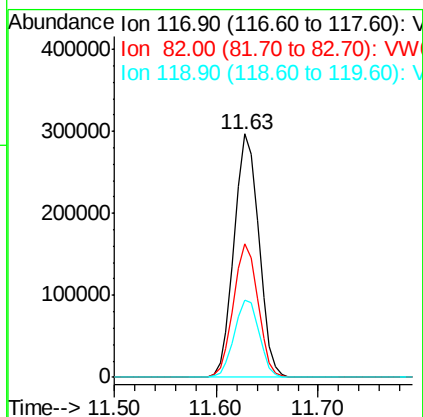
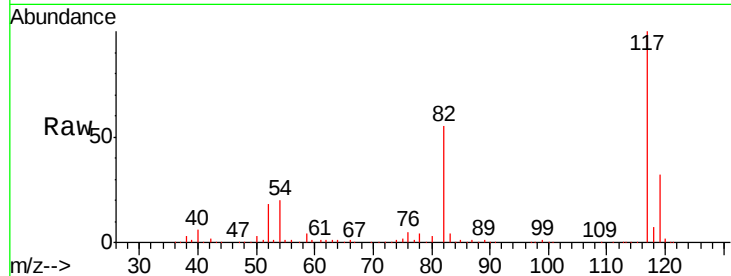




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013217.D
Acq: 21 Sep 2019 06:57

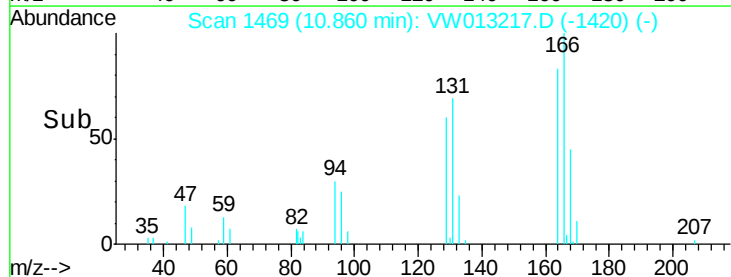
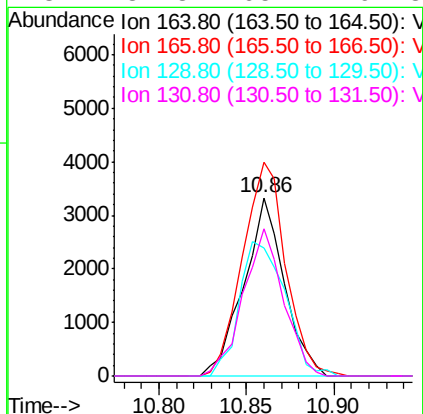
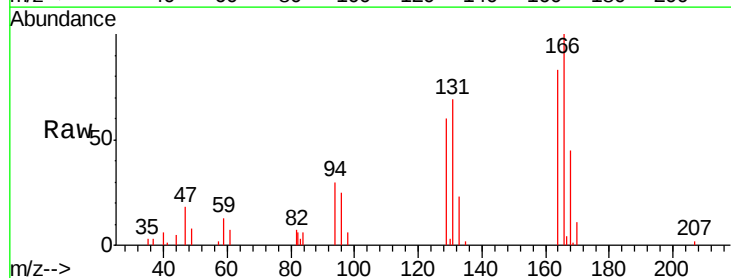
Instrument :
MSVOA_W
ClientSampleId :
B-3A

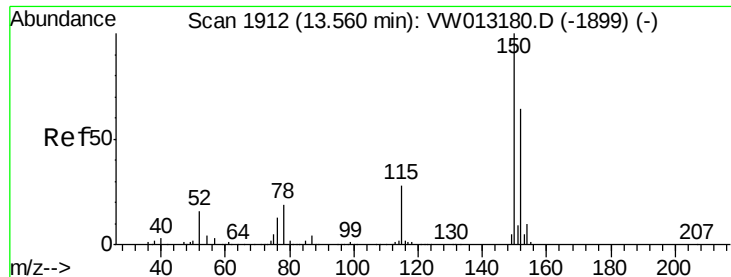
Tgt Ion:117 Resp: 498011
Ion Ratio Lower Upper
117 100
82 55.1 45.9 68.9
119 31.8 26.2 39.2



#64
Tetrachloroethene
Concen: 1.417 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013217.D
Acq: 21 Sep 2019 06:57

Tgt Ion:164 Resp: 5354
Ion Ratio Lower Upper
164 100
166 119.9 101.2 151.8
129 72.0 68.8 103.2
131 82.8 65.2 97.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013217.D

Acq: 21 Sep 2019 06:57

Instrument :

MSVOA_W

ClientSampled :

B-3A

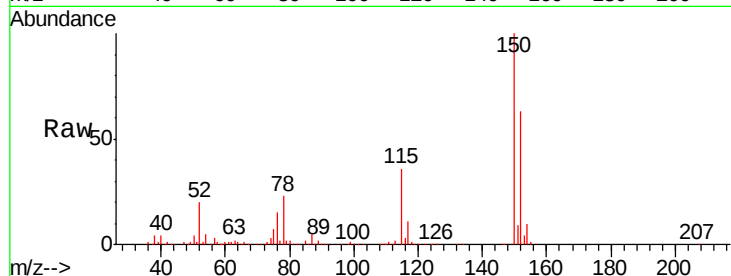
Tgt Ion:152 Resp: 210406

Ion Ratio Lower Upper

152 100

115 54.7 27.3 81.9

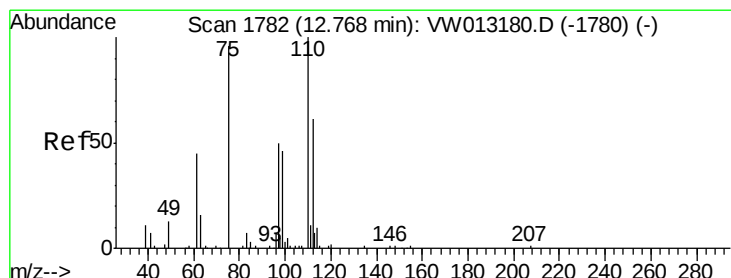
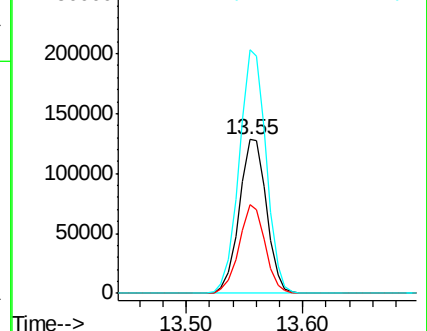
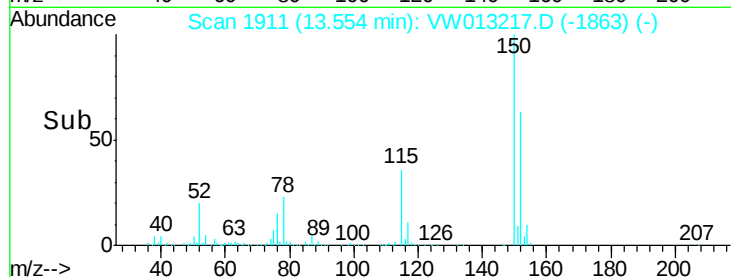
150 156.0 0.0 349.0



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: 54.561 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013217.D

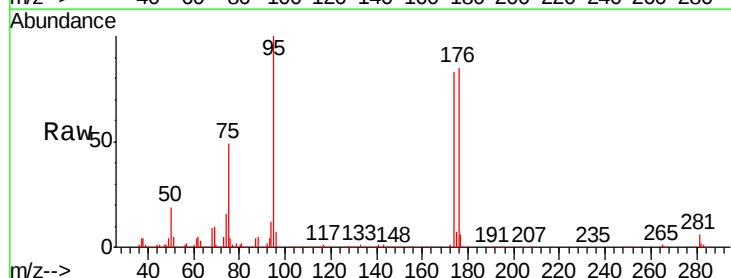
Acq: 21 Sep 2019 06:57

Tgt Ion: 75 Resp: 101383

Ion Ratio Lower Upper

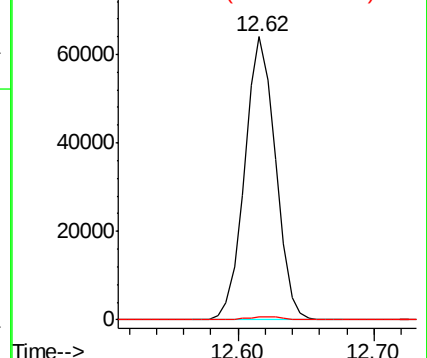
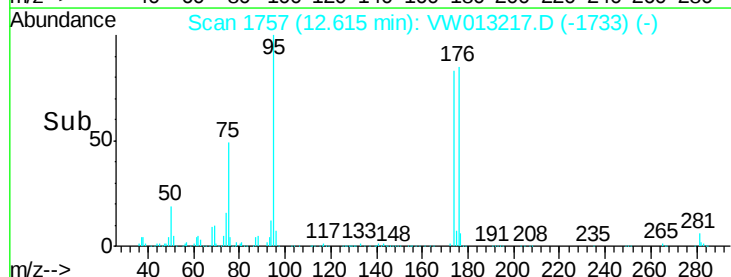
75 100

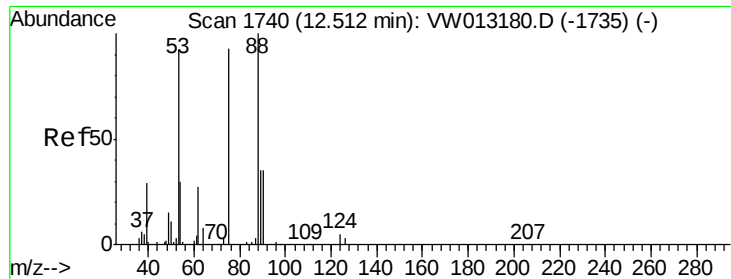
77 1.2 0.0 0.0#



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: 122.430 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013217.D

Acq: 21 Sep 2019 06:57

Instrument :

MSVOA_W

ClientSampleId :

B-3A

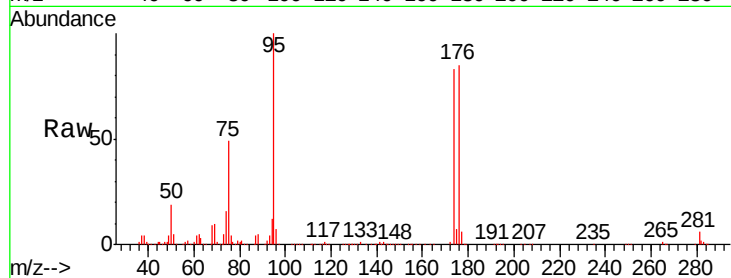
Tgt Ion: 75 Resp: 101383

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#



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

