

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013246.D
 Acq On : 23 Sep 2019 23:26
 Operator : SY/VA
 Sample : VW0923SBL02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBL02

Quant Time: Sep 24 06:43:16 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	340307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	504933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	192730	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	143849	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
35) Dibromofluoromethane	7.88	113	141377	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	10.32	98	582654	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.62	95	188024	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	

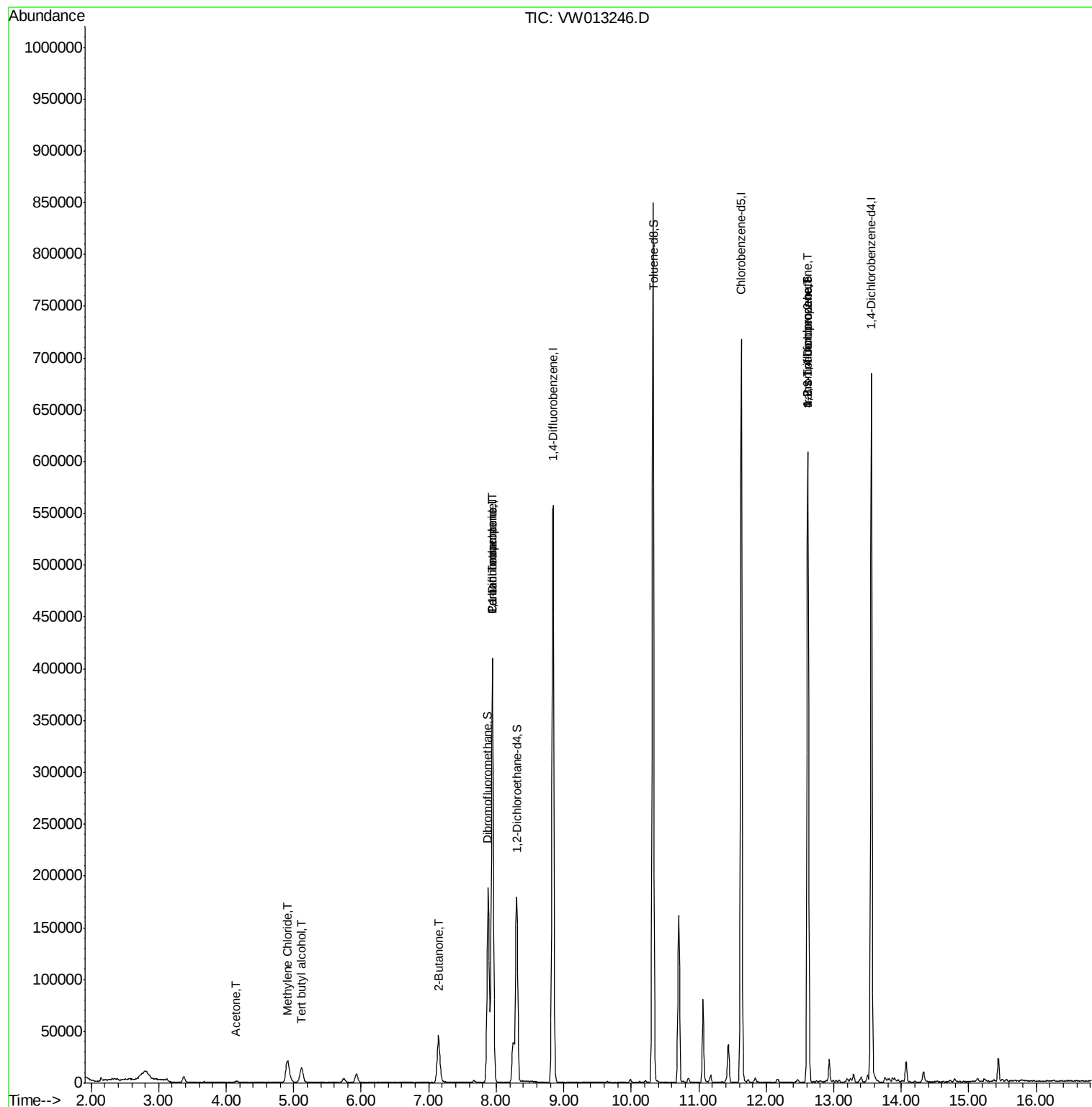
Target Compounds						Qvalue
11) Tert butyl alcohol	5.12	59	13378	59.197	ug/l #	75
16) Acetone	4.14	43	3273	5.226	ug/l #	64
20) Methylene Chloride	4.91	84	18898	3.179	ug/l	91
25) 2-Butanone	7.15	43	2681	2.851	ug/l	99
26) 2,2-Dichloropropane	7.14	77	3292	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	22029	4.504	ug/l #	48
38) Carbon Tetrachloride	7.95	117	30145	6.876	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	88689	52.107	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	88689	116.923	ug/l #	12

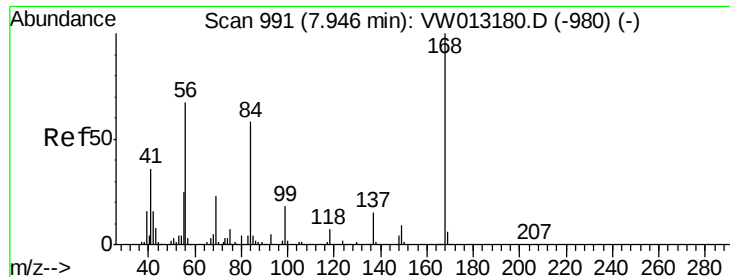
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
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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: VW013246.D

Acq: 23 Sep 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

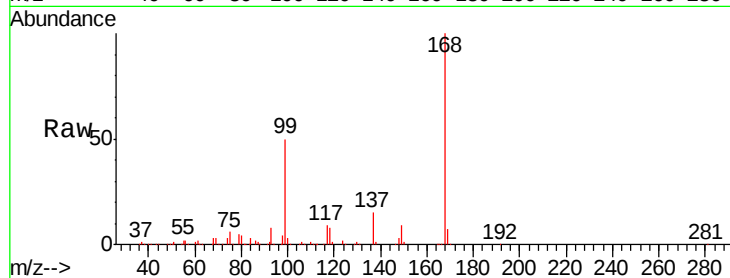
VW0923SBL02

Tgt Ion:168 Resp: 340307

Ion Ratio Lower Upper

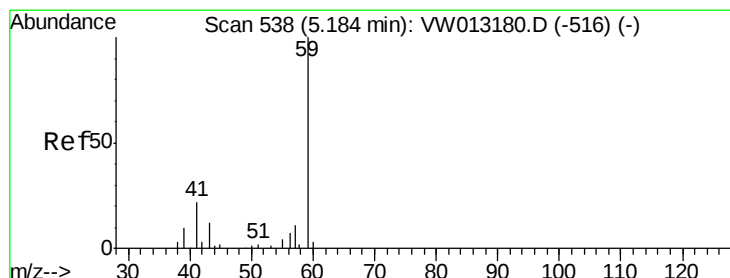
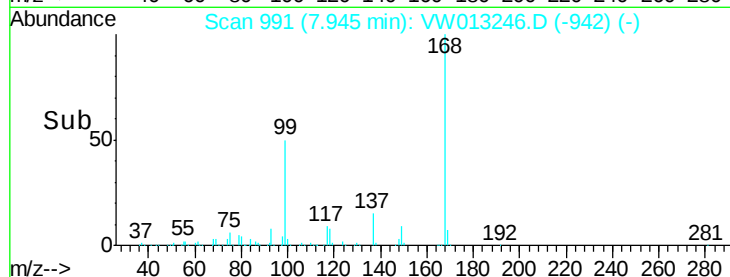
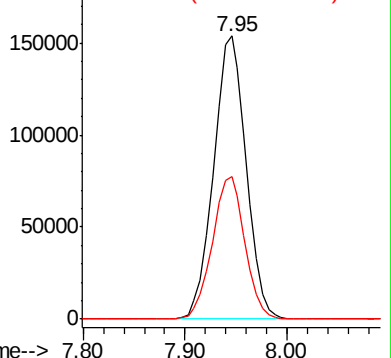
168 100

99 50.4 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: 59.197 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.07 min

Lab File: VW013246.D

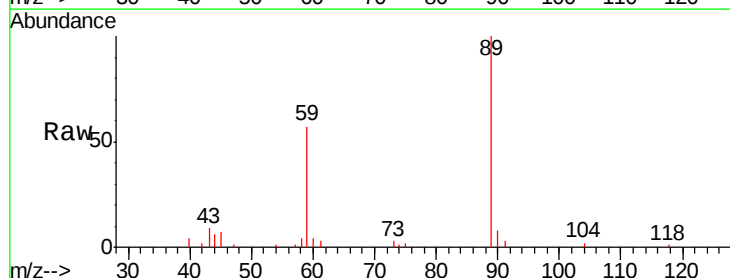
Acq: 23 Sep 2019 23:26

Tgt Ion: 59 Resp: 13378

Ion Ratio Lower Upper

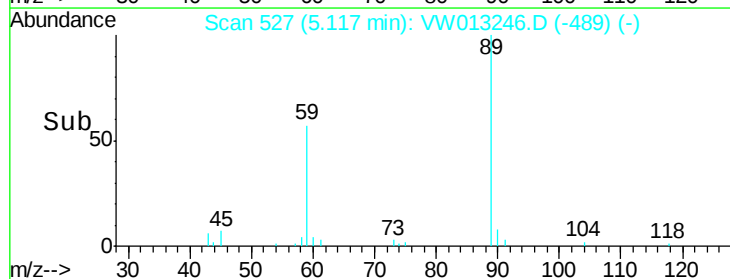
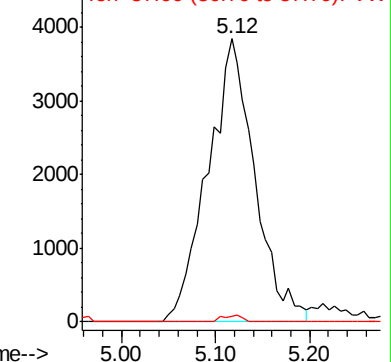
59 100

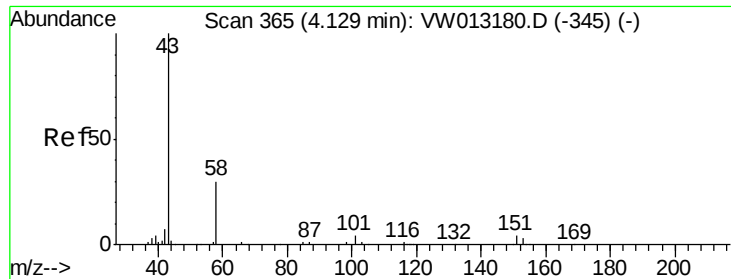
57 1.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 5.226 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013246.D

Acq: 23 Sep 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

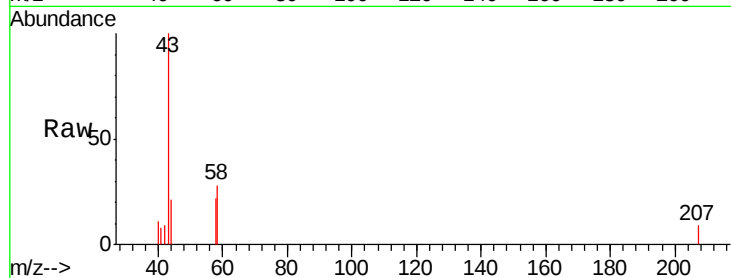
VW0923SBL02

Tgt Ion: 43 Resp: 3273

Ion Ratio Lower Upper

43 100

58 49.4 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

1000

800

600

400

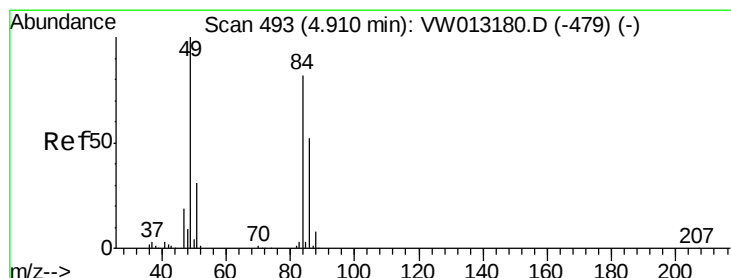
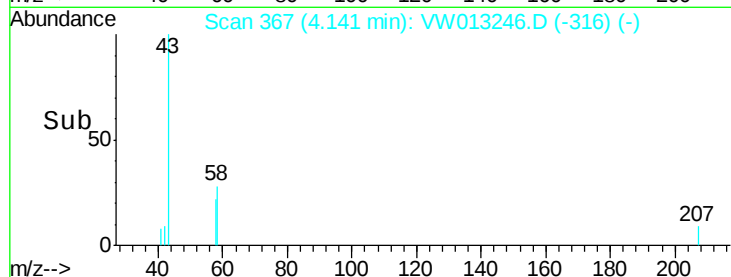
200

0

4.10

4.20

Time-->



#20

Methylene Chloride

Concen: 3.179 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013246.D

Acq: 23 Sep 2019 23:26

Tgt Ion: 84 Resp: 18898

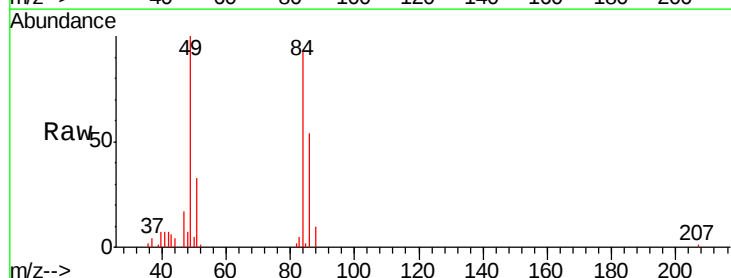
Ion Ratio Lower Upper

84 100

49 108.0 97.6 146.4

51 35.8 30.2 45.2

86 58.3 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

8000

6000

4000

2000

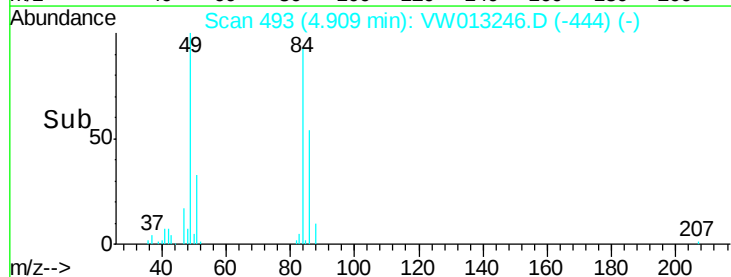
0

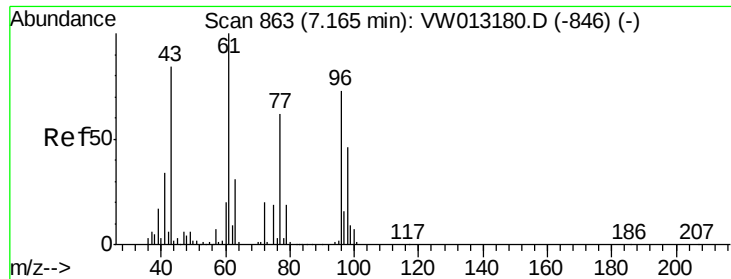
4.80

4.90

5.00

Time-->





#25

2-Butanone

Concen: 2.851 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013246.D

Acq: 23 Sep 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

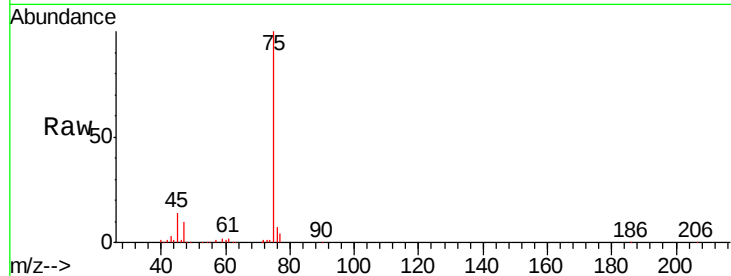
VW0923SBL02

Tgt Ion: 43 Resp: 2681

Ion Ratio Lower Upper

43 100

72 24.7 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

800

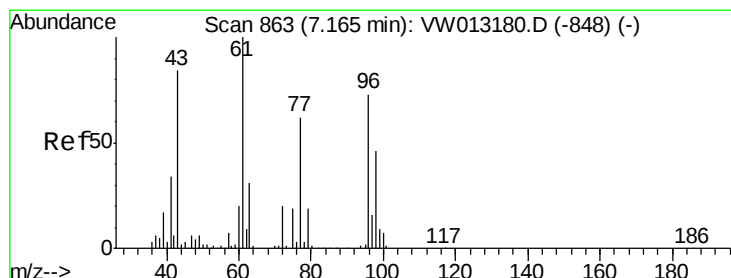
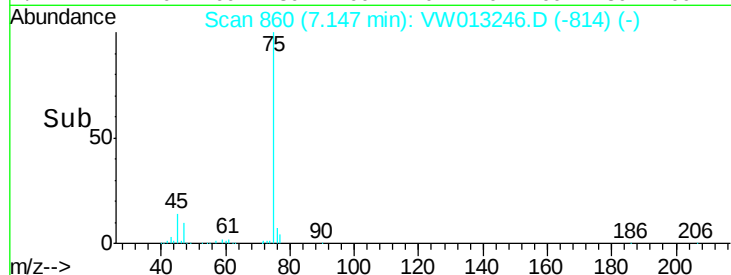
600

400

200

0

Time-->



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013246.D

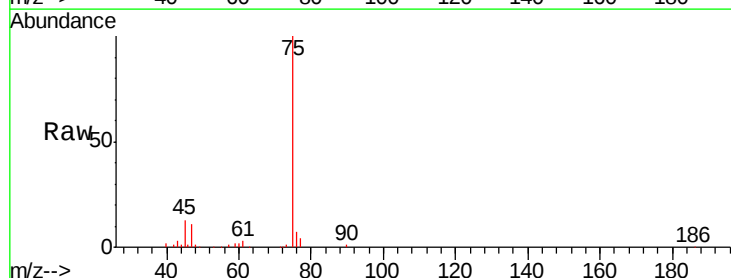
Acq: 23 Sep 2019 23:26

Tgt Ion: 77 Resp: 3292

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

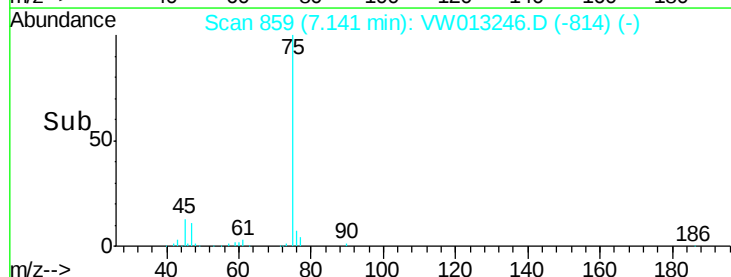
7.14

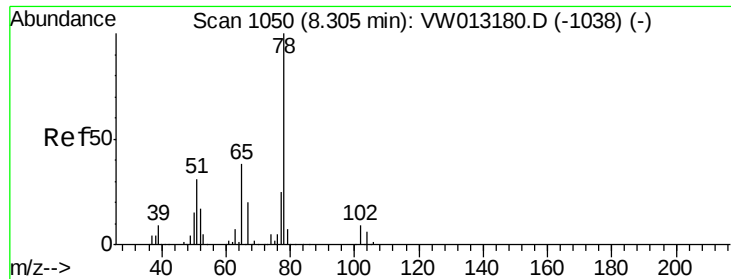
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.793 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013246.D

Acq: 23 Sep 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

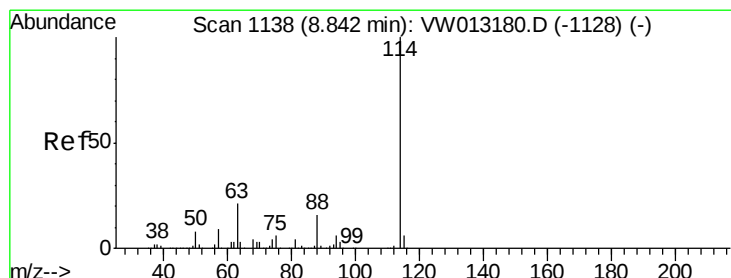
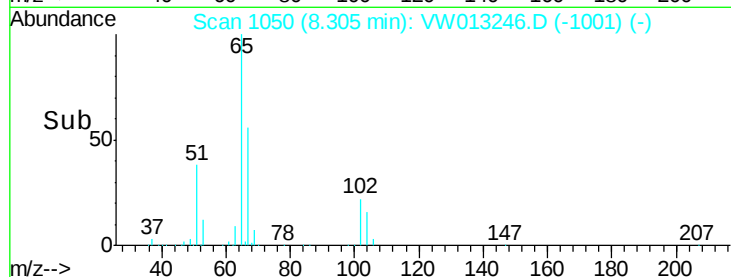
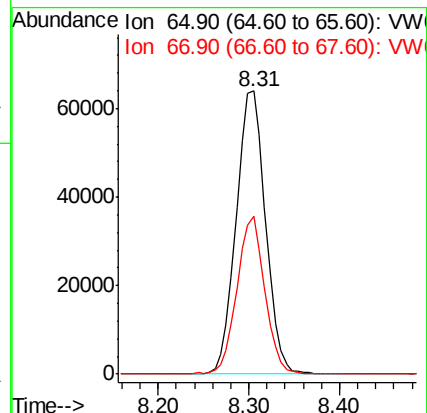
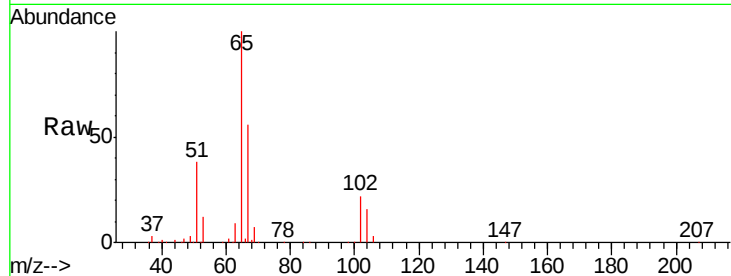
VW0923SBL02

Tgt Ion: 65 Resp: 143849

Ion Ratio Lower Upper

65 100

67 52.9 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: VW013246.D

Acq: 23 Sep 2019 23:26

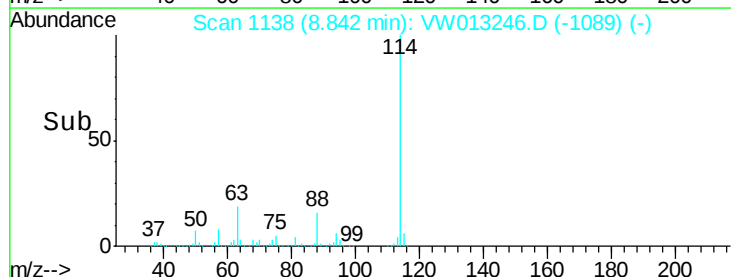
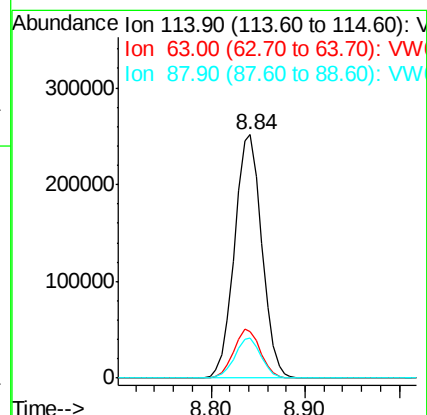
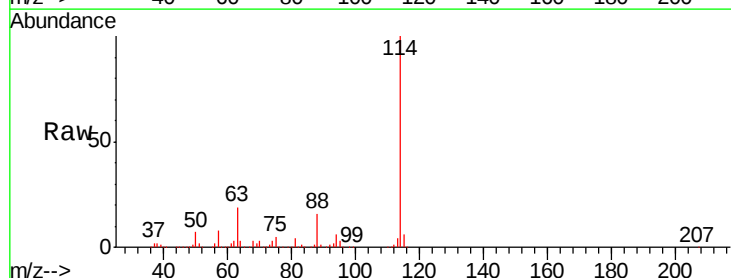
Tgt Ion: 114 Resp: 504933

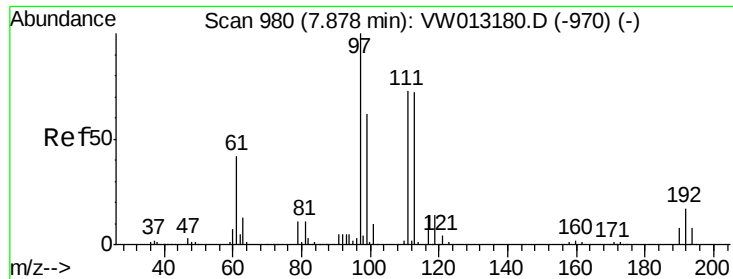
Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.4

88 16.2 0.0 32.0

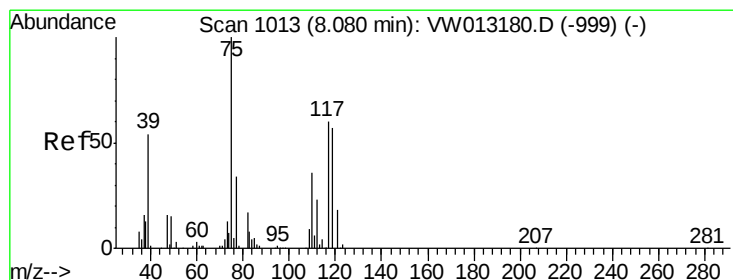
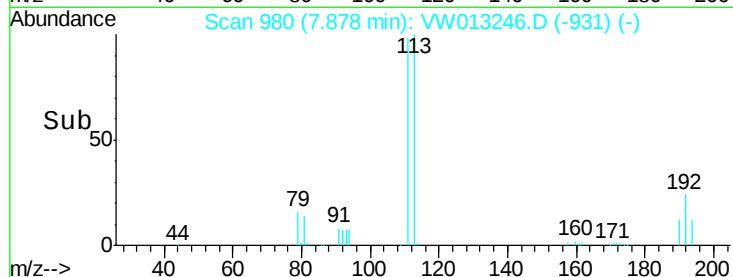
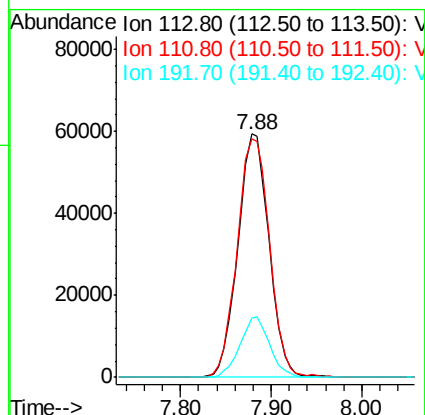
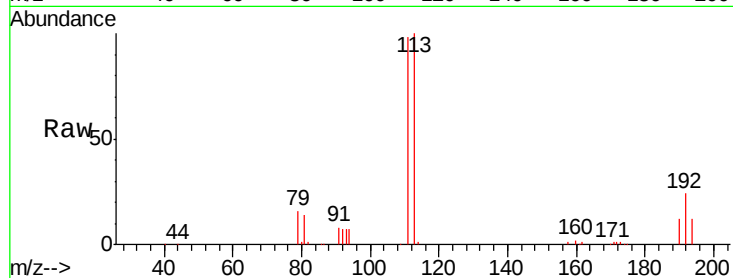




#35
 Dibromofluoromethane
 Concen: 50.907 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013246.D
 Acq: 23 Sep 2019 23:26

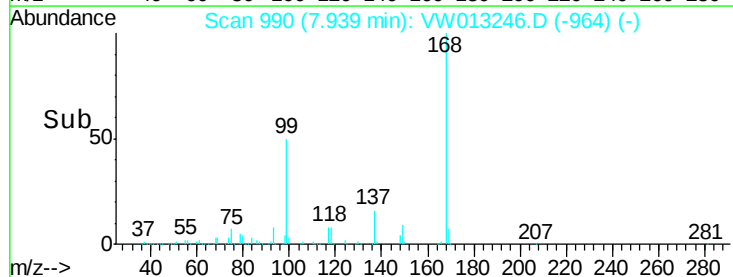
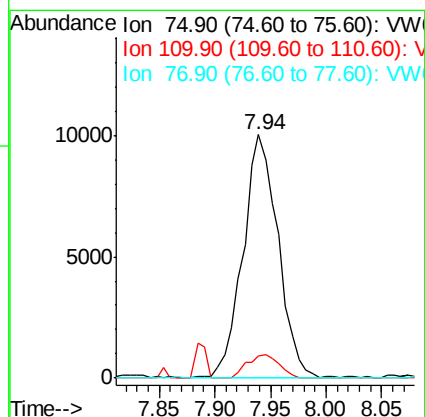
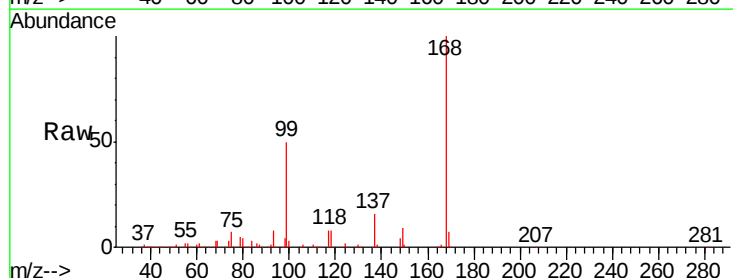
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBL02

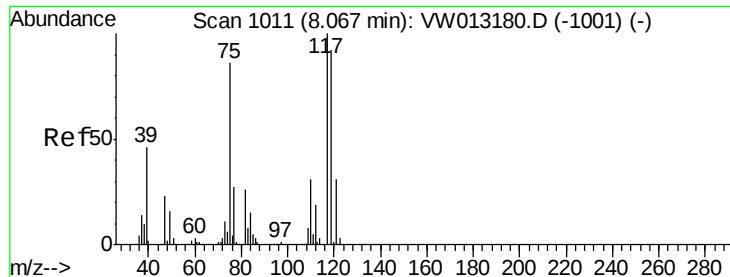
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	141377		
111	102.1		81.9	122.9
192	23.5		19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.504 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013246.D
 Acq: 23 Sep 2019 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22029		
110	8.8		18.1	54.3#
77	0.0		25.8	38.6#

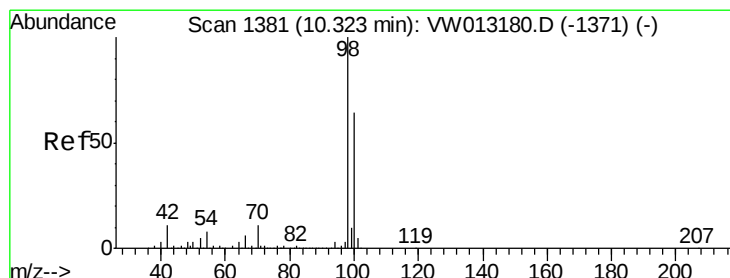
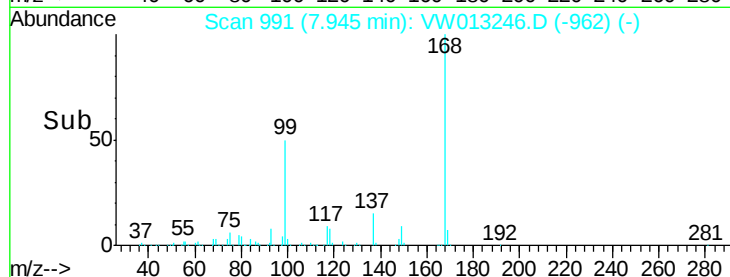
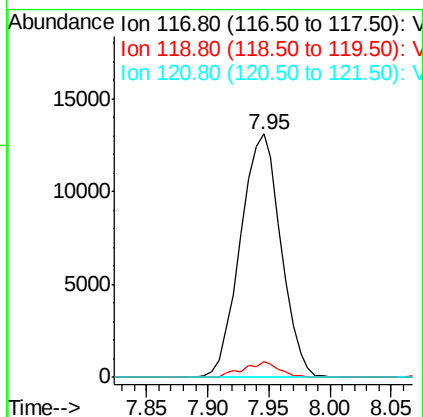
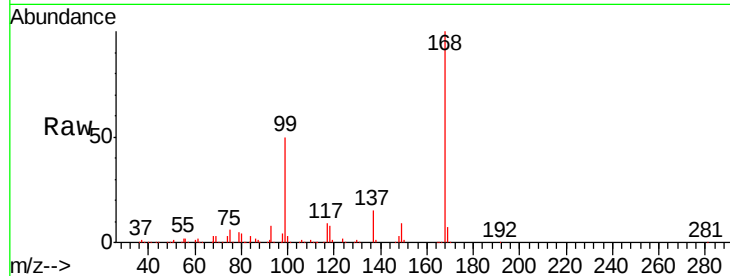




#38
Carbon Tetrachloride
Concen: 6.876 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013246.D
Acq: 23 Sep 2019 23:26

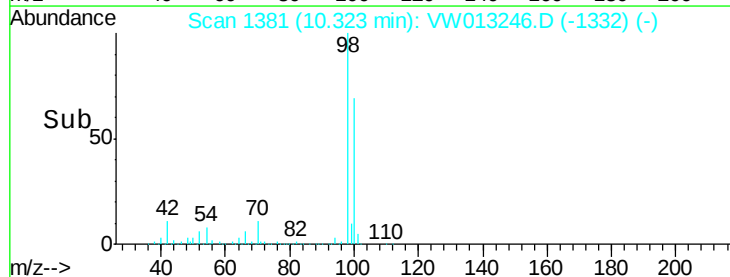
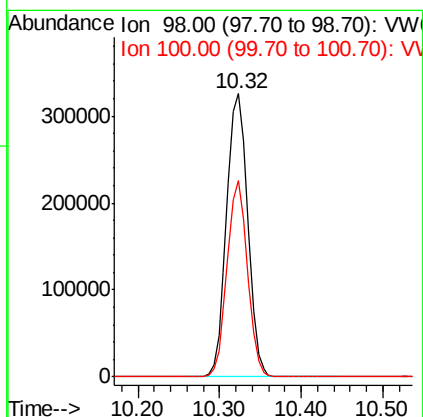
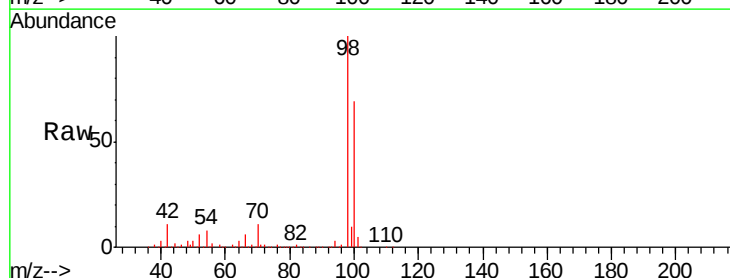
Instrument :
MSVOA_W
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VW0923SBL02

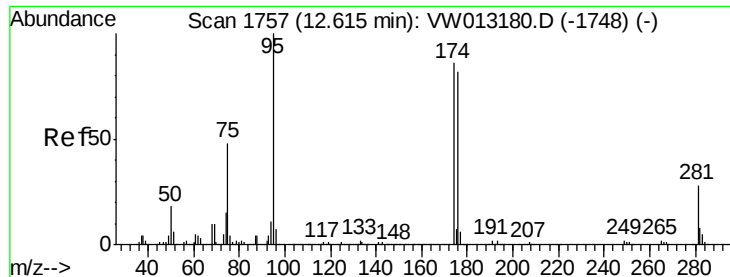
Tgt Ion:117 Resp: 30145
Ion Ratio Lower Upper
117 100
119 6.5 73.5 110.3#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 50.131 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013246.D
Acq: 23 Sep 2019 23:26

Tgt Ion: 98 Resp: 582654
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 47.359 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013246.D

Acq: 23 Sep 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBL02

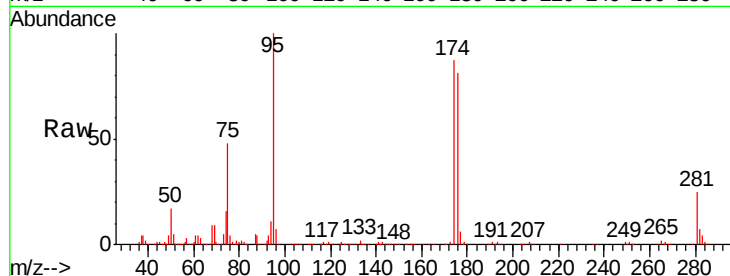
Tgt Ion: 95 Resp: 188024

Ion Ratio Lower Upper

95 100

174 89.0 0.0 178.4

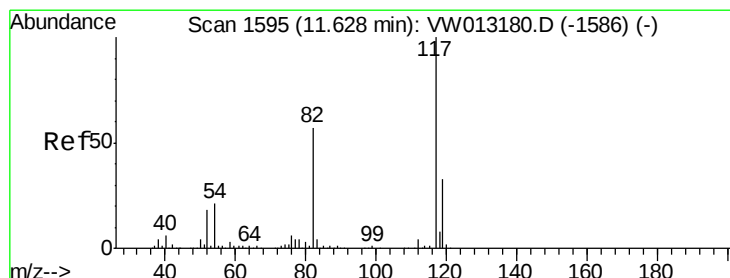
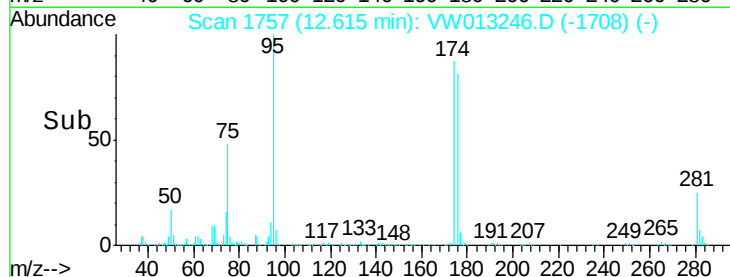
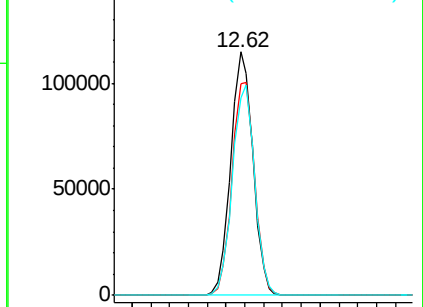
176 86.5 0.0 172.2



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. -0.00 min

Lab File: VW013246.D

Acq: 23 Sep 2019 23:26

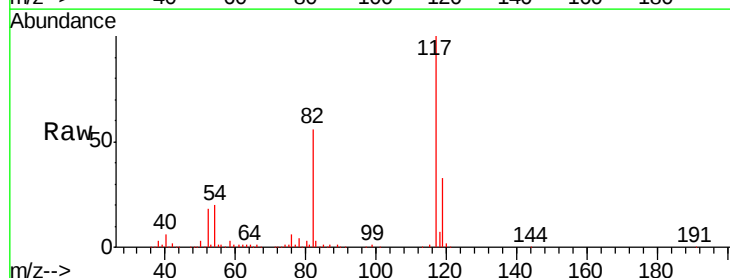
Tgt Ion: 117 Resp: 428041

Ion Ratio Lower Upper

117 100

82 55.8 45.9 68.9

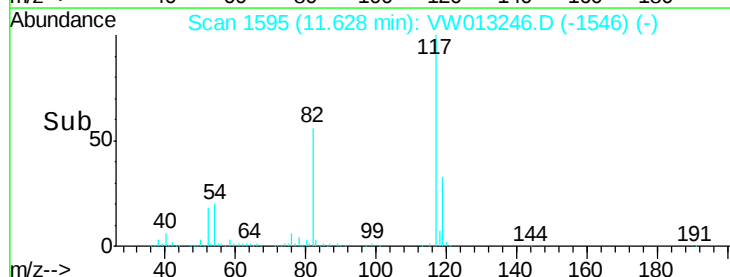
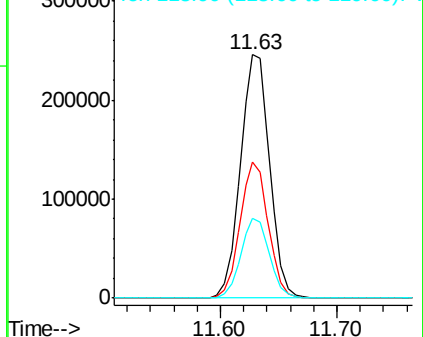
119 32.8 26.2 39.2

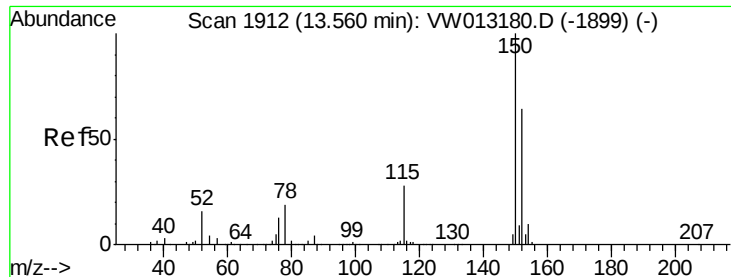


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013246.D

Acq: 23 Sep 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBL02

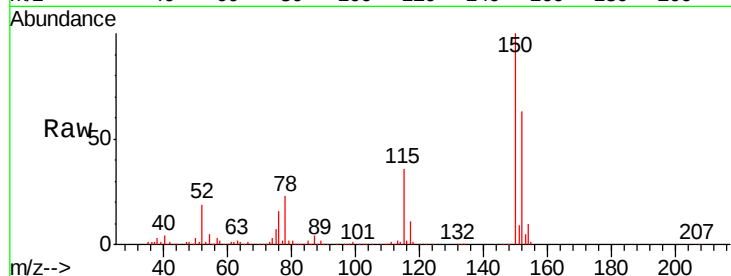
Tgt Ion: 152 Resp: 192730

Ion Ratio Lower Upper

152 100

115 55.0 27.3 81.9

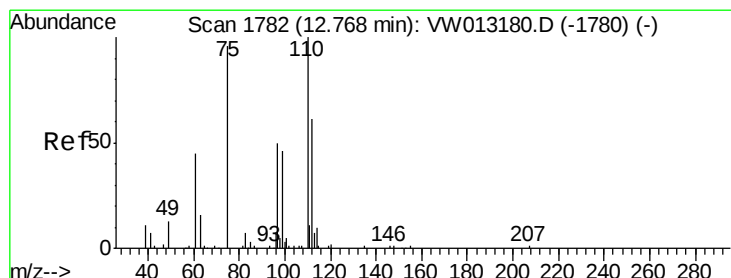
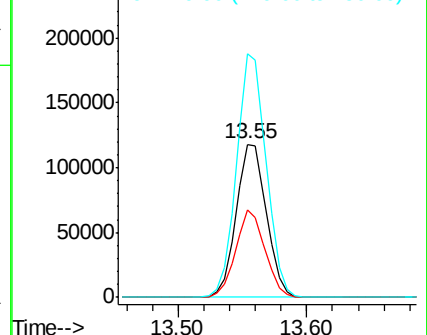
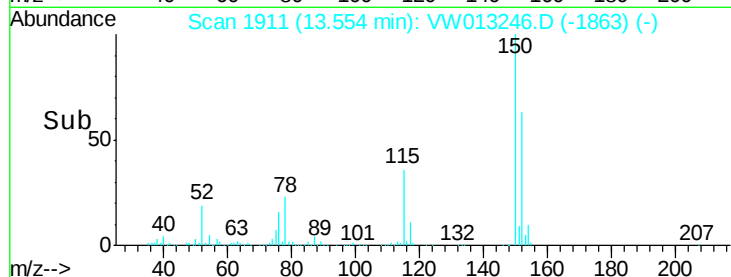
150 156.2 0.0 349.0



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: 52.107 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013246.D

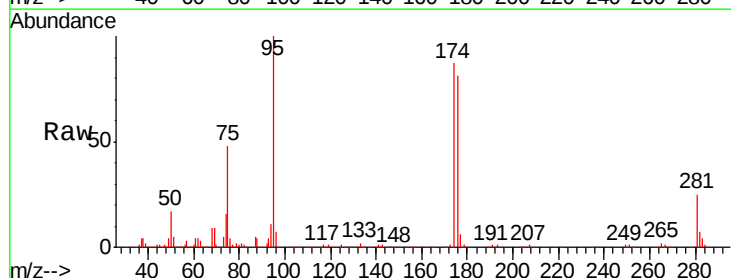
Acq: 23 Sep 2019 23:26

Tgt Ion: 75 Resp: 88689

Ion Ratio Lower Upper

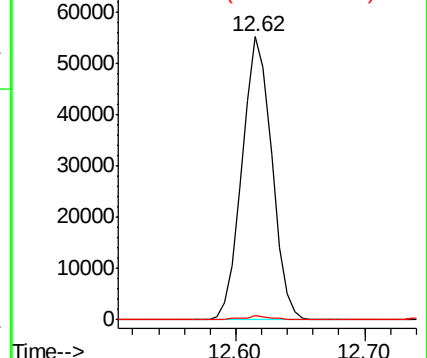
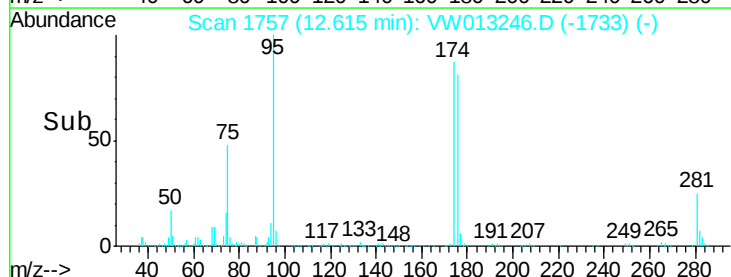
75 100

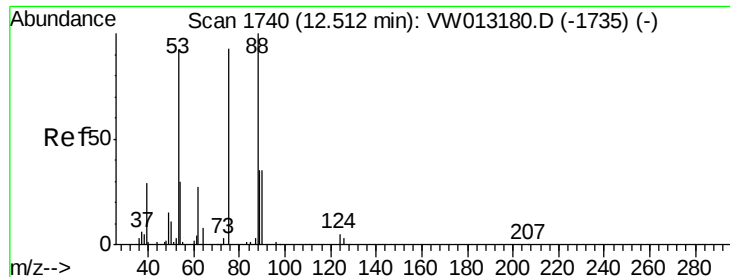
77 1.3 0.0 0.0#



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: 116.923 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013246.D

Acq: 23 Sep 2019 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBL02

Tgt Ion: 75 Resp: 88689

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 33.5 50.3#

