

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013252.D
 Acq On : 24 Sep 2019 02:29
 Operator : SY/VA
 Sample : K4962-06
 Misc : 5.73G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TH-4

Quant Time: Sep 24 06:45:06 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	389623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	584741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	488244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	207745	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	168721	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
35) Dibromofluoromethane	7.88	113	164253	51.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.14%	
50) Toluene-d8	10.32	98	675070	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.62	95	205282	44.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.30%	

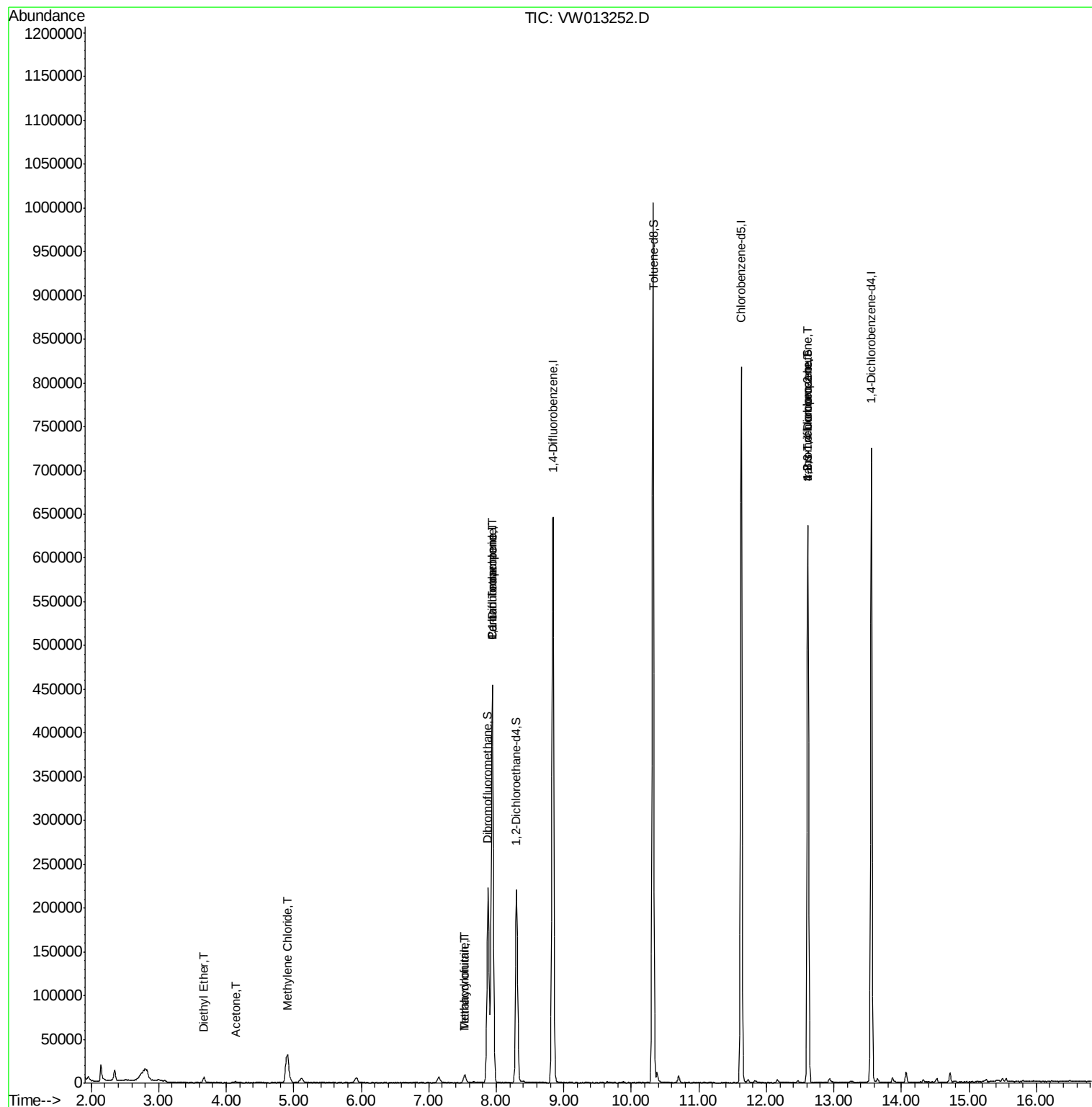
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2924	1.594	ug/l	77
11) Tert butyl alcohol	5.20	59	261	Below Cal	#	73
16) Acetone	4.14	43	2218	3.093	ug/l	99
20) Methylene Chloride	4.91	84	28360	5.126	ug/l	93
26) 2,2-Dichloropropane	7.18	77	76	Below Cal		97
29) Tetrahydrofuran	7.53	42	7636	11.567	ug/l	95
36) 1,1-Dichloropropene	7.94	75	25662	4.531	ug/l	# 48
38) Carbon Tetrachloride	7.95	117	33400	6.579	ug/l	# 19
41) Methacrylonitrile	7.54	41	4262	2.967	ug/l	# 45
76) 1,2,3-Trichloropropane	12.62	75	98412	53.640	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	98412	120.364	ug/l	# 12

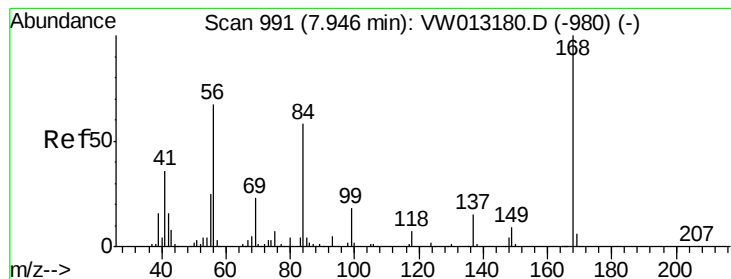
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013252.D

Acq: 24 Sep 2019 02:29

Instrument :

MSVOA_W

ClientSampled :

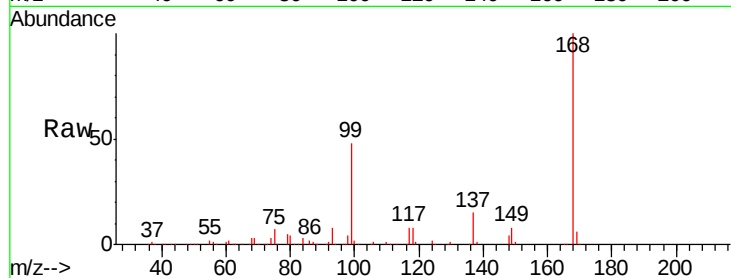
TH-4

Tgt Ion:168 Resp: 389623

Ion Ratio Lower Upper

168 100

99 47.7 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

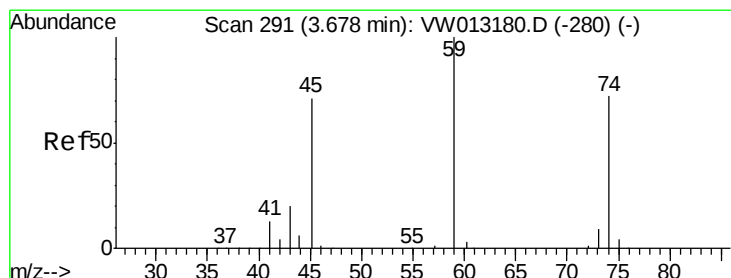
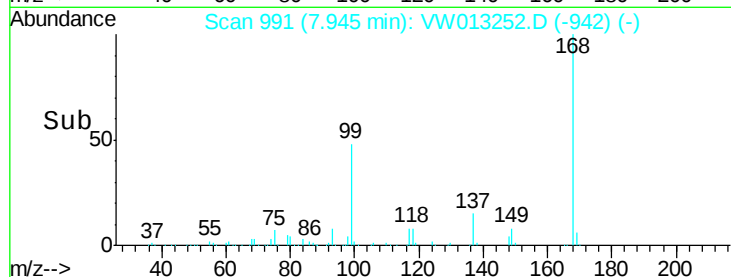
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.594 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW013252.D

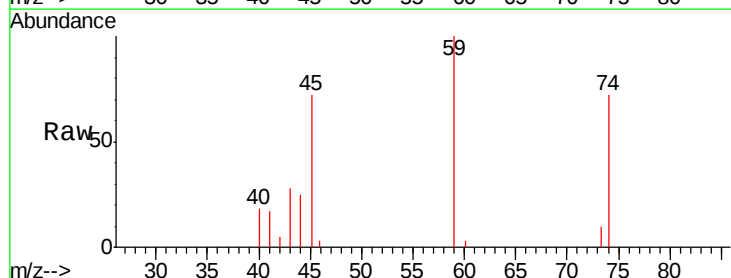
Acq: 24 Sep 2019 02:29

Tgt Ion: 74 Resp: 2924

Ion Ratio Lower Upper

74 100

45 122.1 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

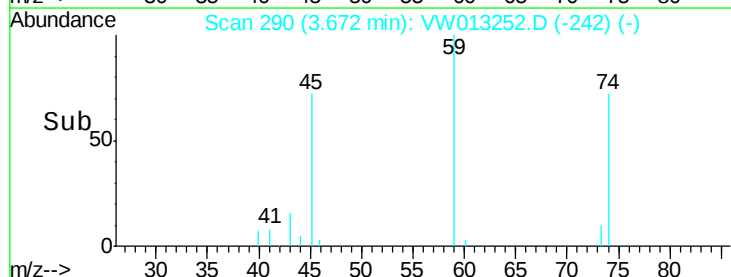
1500

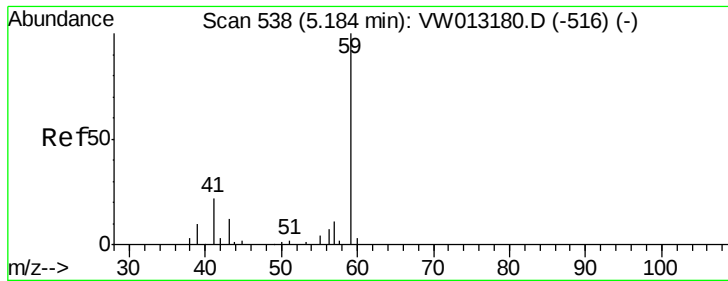
1000

500

0

Time--> 3.60 3.65 3.70 3.75

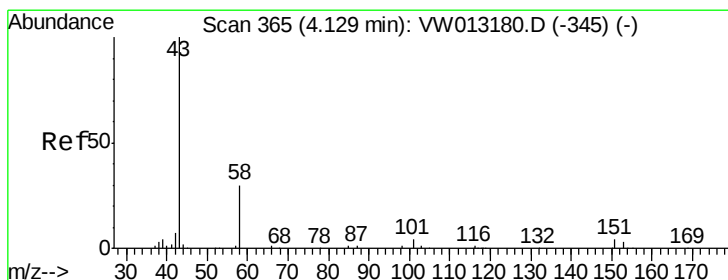
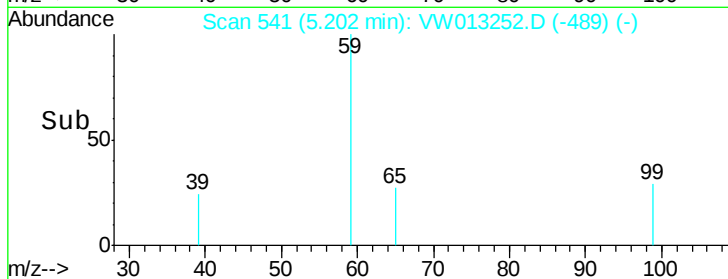
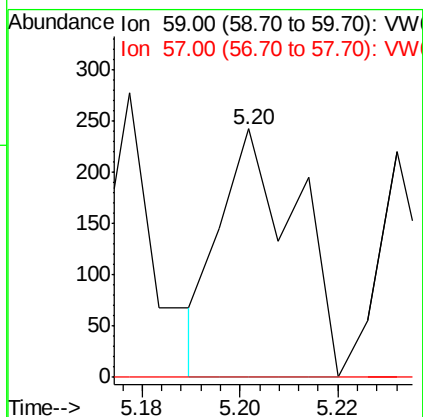
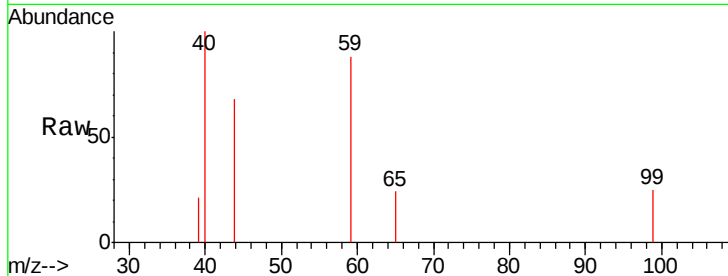




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 541
Delta R.T. 0.02 min
Lab File: VW013252.D
Acq: 24 Sep 2019 02:29

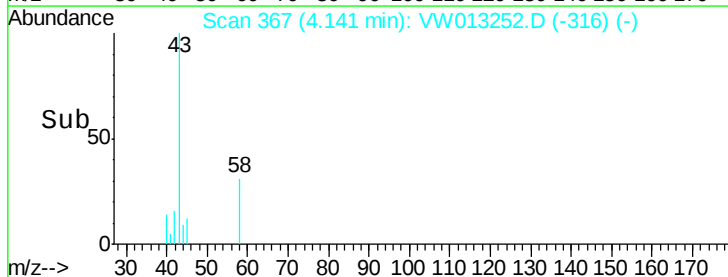
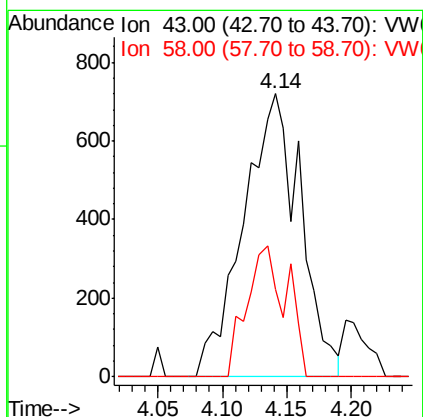
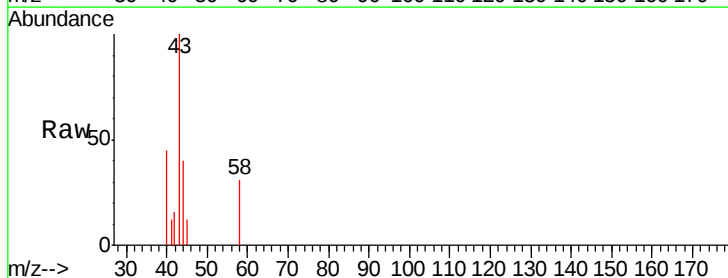
Instrument :
MSVOA_W
ClientSampled :
TH-4

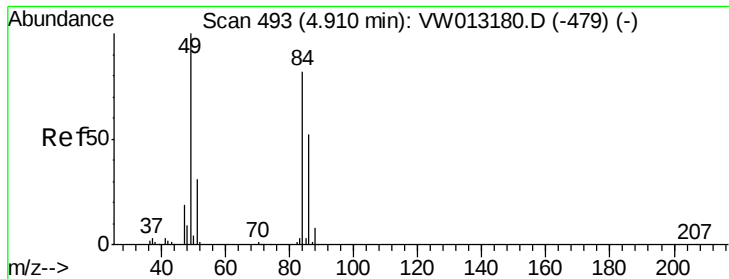
Tgt Ion: 59 Resp: 261
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 3.093 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW013252.D
Acq: 24 Sep 2019 02:29

Tgt Ion: 43 Resp: 2218
Ion Ratio Lower Upper
43 100
58 30.8 24.1 36.1





#20

Methylene Chloride

Concen: 5.126 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013252.D

Acq: 24 Sep 2019 02:29

Instrument :

MSVOA_W

ClientSampled :

TH-4

Tgt Ion: 84 Resp: 28360

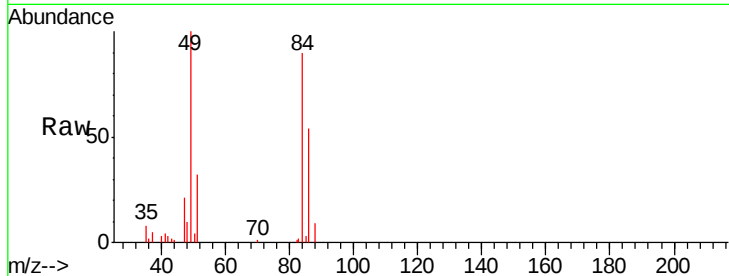
Ion Ratio Lower Upper

84 100

49 111.2 97.6 146.4

51 35.6 30.2 45.2

86 59.8 50.6 76.0

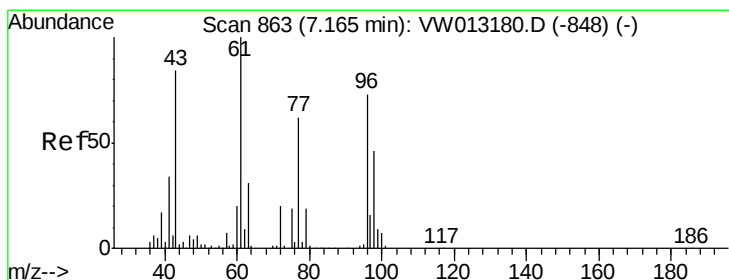
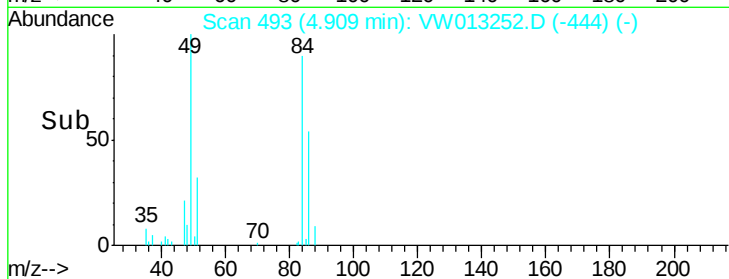
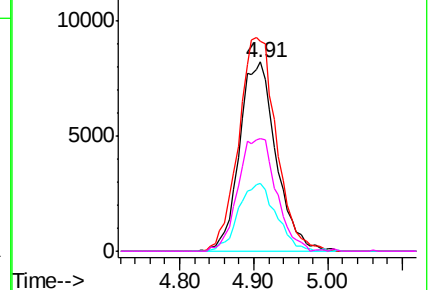


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW013252.D

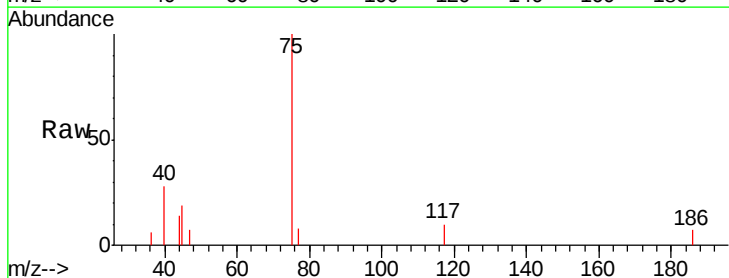
Acq: 24 Sep 2019 02:29

Tgt Ion: 77 Resp: 76

Ion Ratio Lower Upper

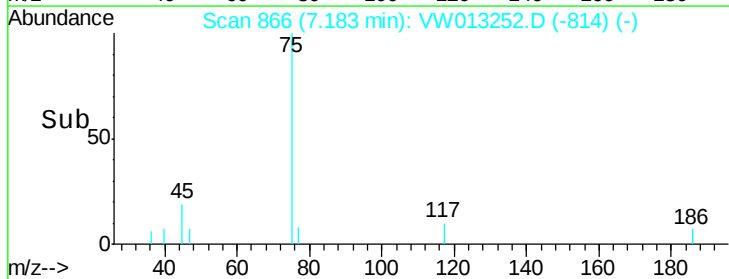
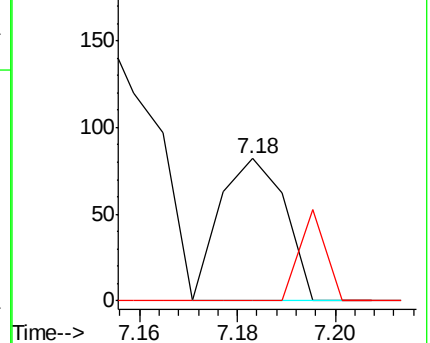
77 100

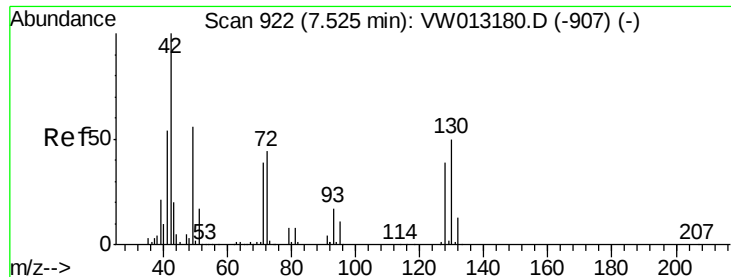
97 25.0 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

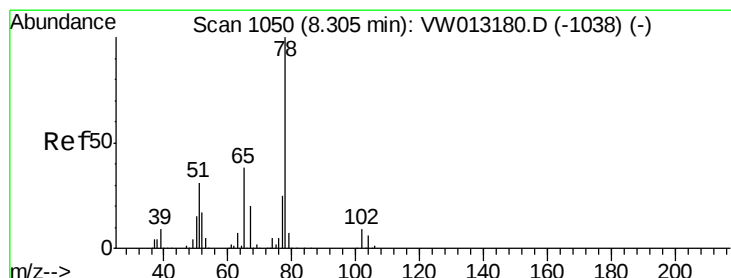
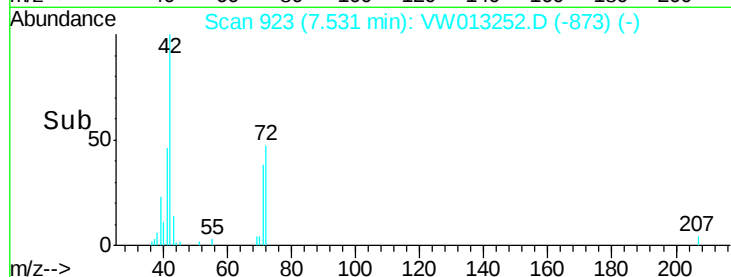
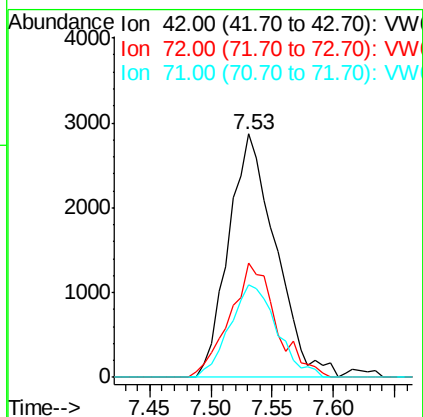
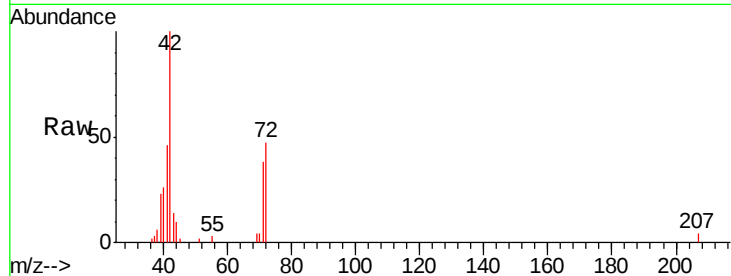




#29
Tetrahydrofuran
Concen: 11.567 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013252.D
Acq: 24 Sep 2019 02:29

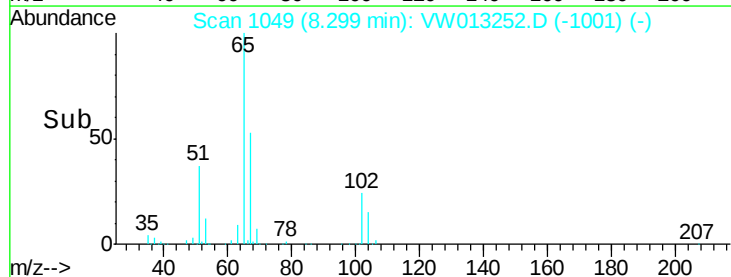
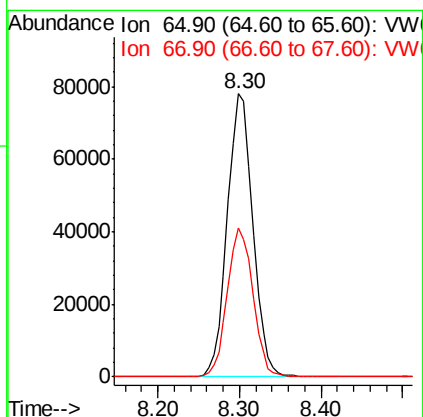
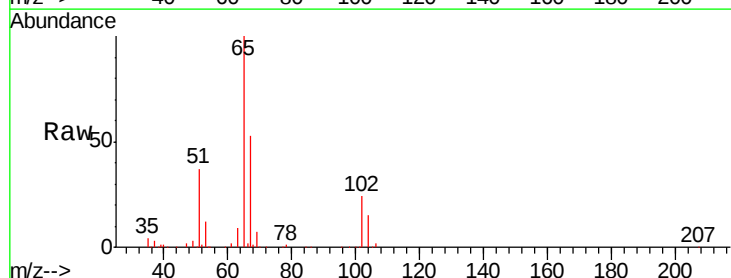
Instrument :
MSVOA_W
ClientSampled :
TH-4

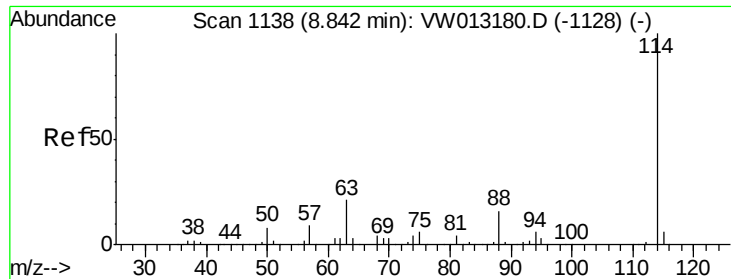
Tgt Ion: 42 Resp: 7636
Ion Ratio Lower Upper
42 100
72 46.5 33.9 50.9
71 38.2 31.9 47.9



#33
1,2-Dichloroethane-d4
Concen: 53.059 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013252.D
Acq: 24 Sep 2019 02:29

Tgt Ion: 65 Resp: 168721
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: VW013252.D

Acq: 24 Sep 2019 02:29

Instrument :

MSVOA_W

ClientSampleId :

TH-4

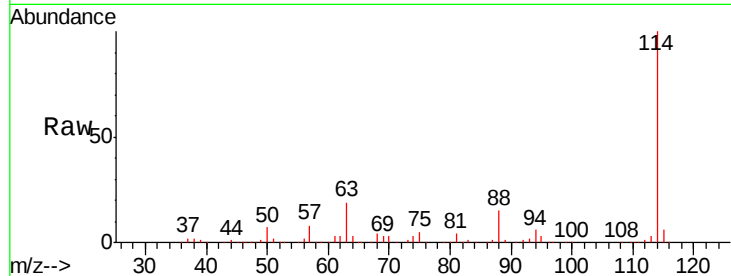
Tgt Ion:114 Resp: 584741

Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.4

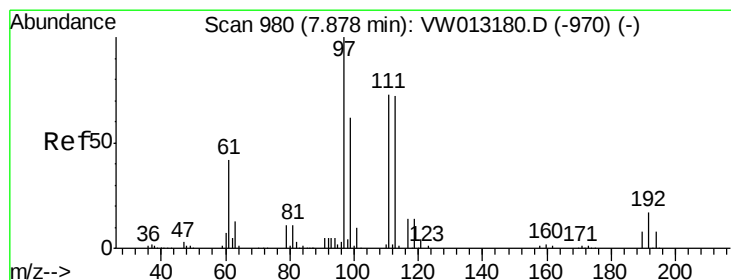
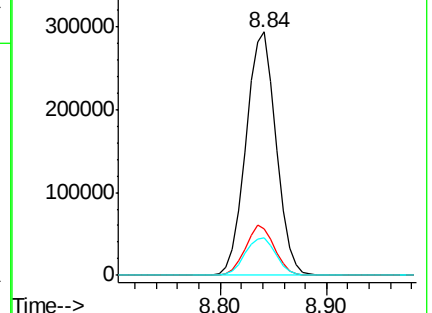
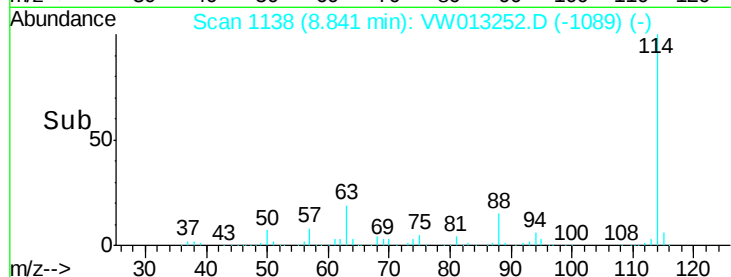
88 15.3 0.0 32.0



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: 51.072 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013252.D

Acq: 24 Sep 2019 02:29

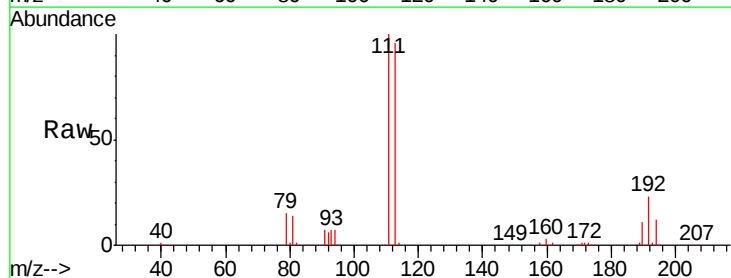
Tgt Ion:113 Resp: 164253

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

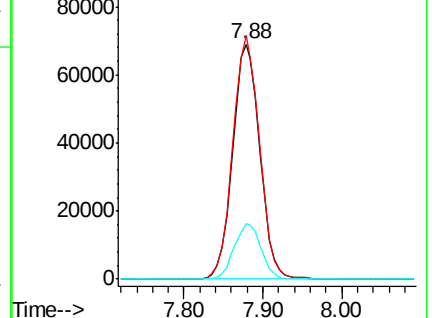
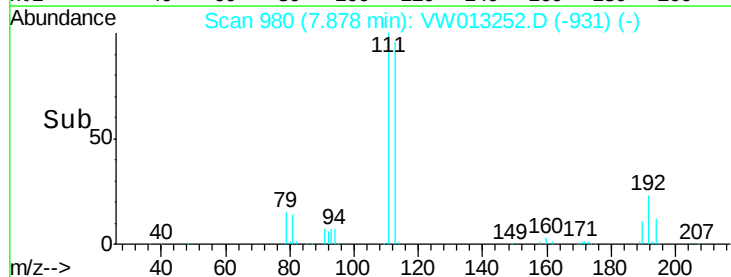
192 23.4 19.1 28.7

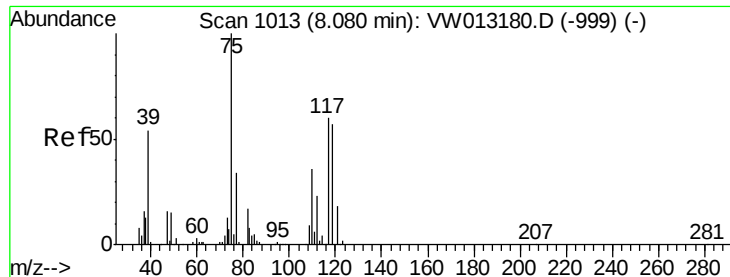


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.531 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013252.D

Acq: 24 Sep 2019 02:29

Instrument :

MSVOA_W

ClientSampleId :

TH-4

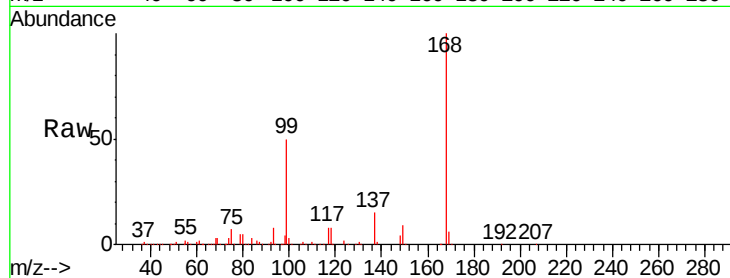
Tgt Ion: 75 Resp: 25662

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.3#

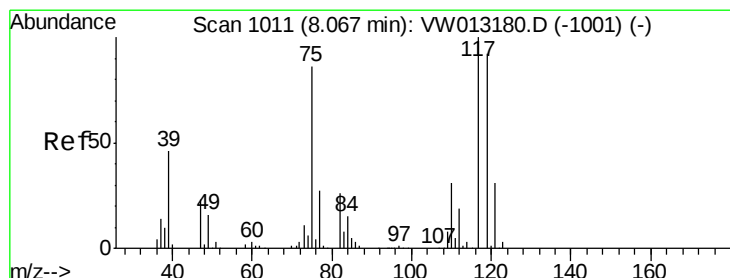
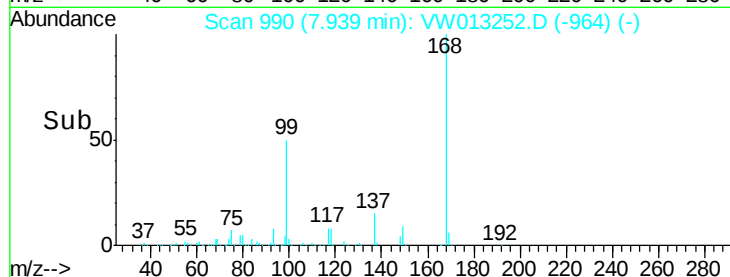
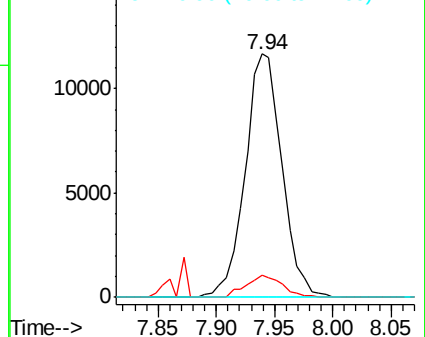
77 0.0 25.8 38.6#



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



#38

Carbon Tetrachloride

Concen: 6.579 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013252.D

Acq: 24 Sep 2019 02:29

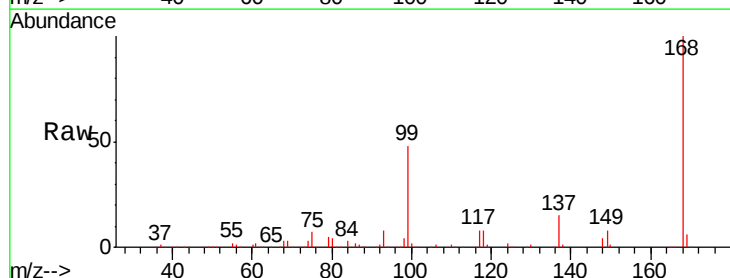
Tgt Ion: 117 Resp: 33400

Ion Ratio Lower Upper

117 100

119 6.3 73.5 110.3#

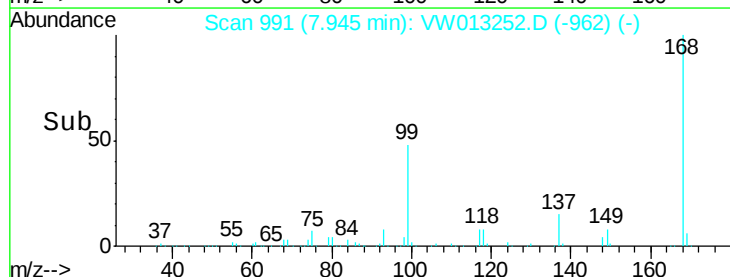
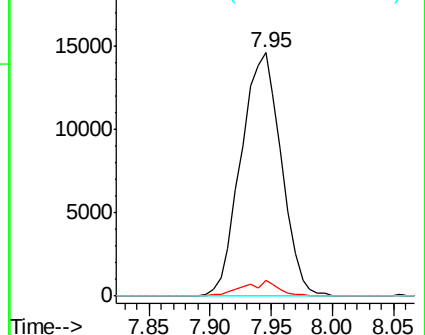
121 0.0 25.0 37.6#

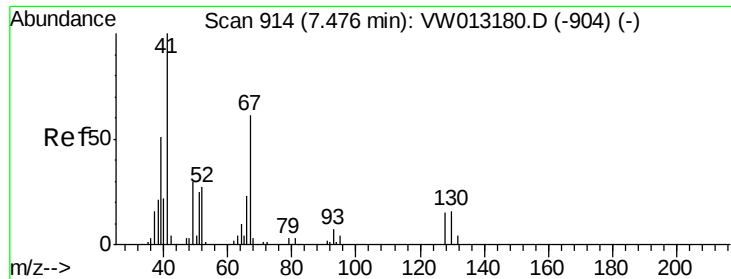


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 2.967 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.06 min

Lab File: VW013252.D

Acq: 24 Sep 2019 02:29

Instrument :

MSVOA_W

ClientSampled :

TH-4

Tgt Ion: 41 Resp: 4262

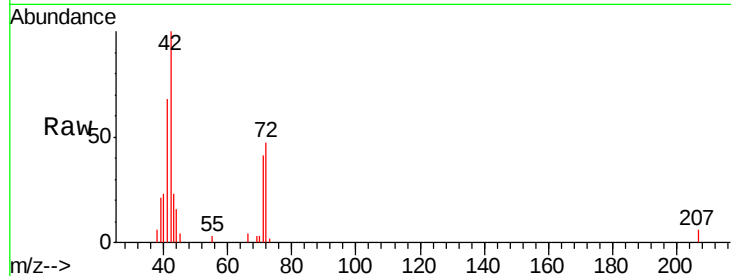
Ion Ratio Lower Upper

41 100

39 41.8 45.9 68.9#

67 0.0 54.5 81.7#

52 0.0 22.5 33.7#

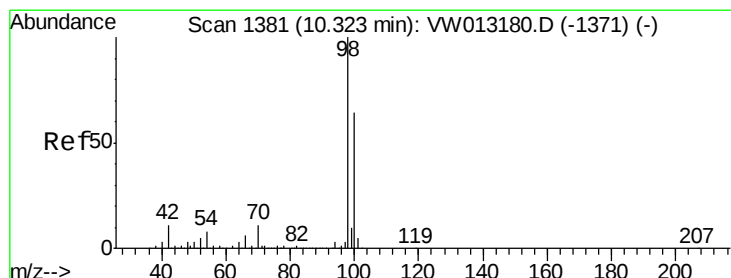
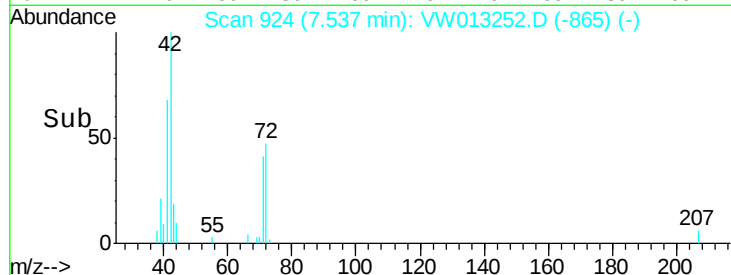
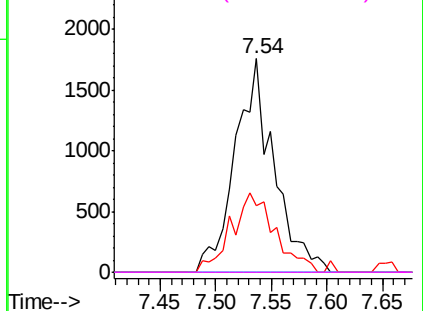


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 50.155 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013252.D

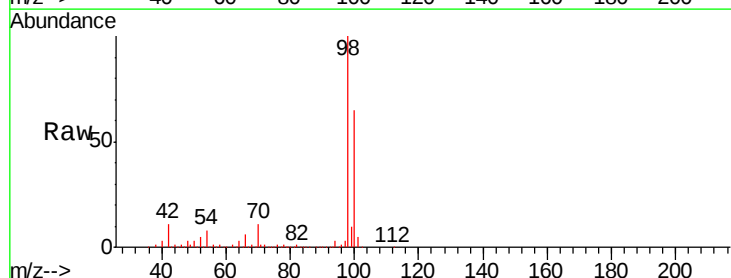
Acq: 24 Sep 2019 02:29

Tgt Ion: 98 Resp: 675070

Ion Ratio Lower Upper

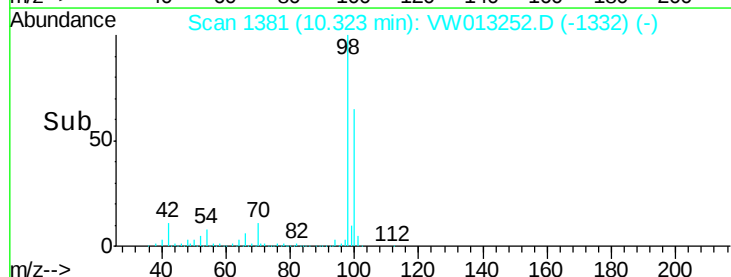
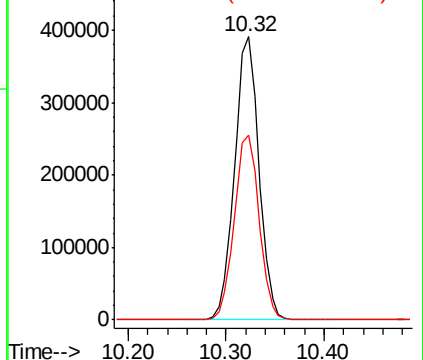
98 100

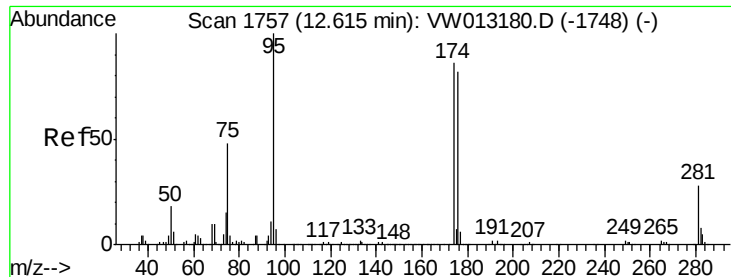
100 66.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

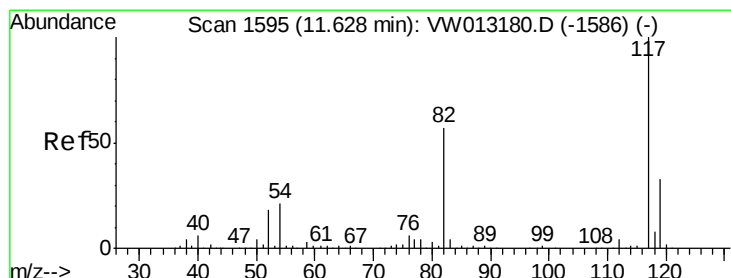
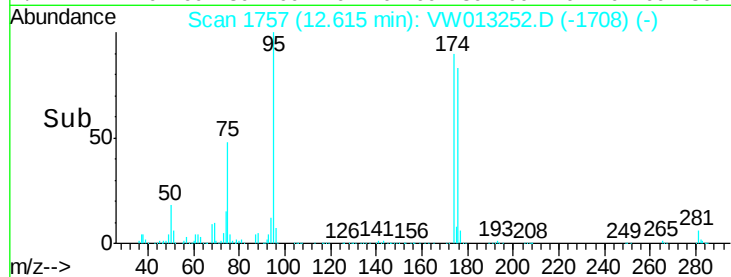
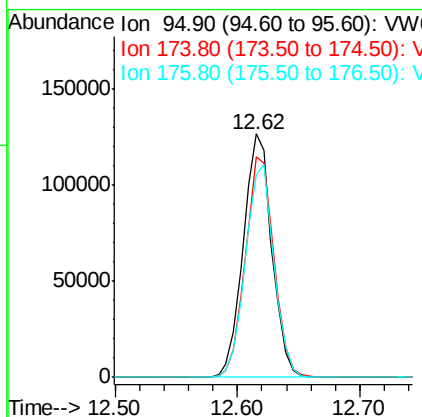
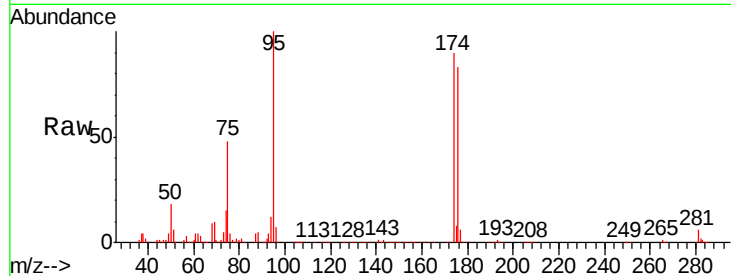




#62
4-Bromofluorobenzene
Concen: 44.649 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013252.D
Acq: 24 Sep 2019 02:29

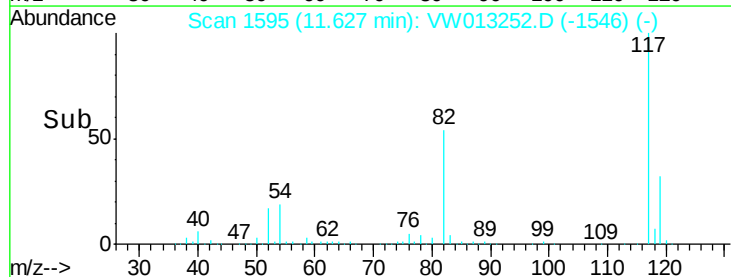
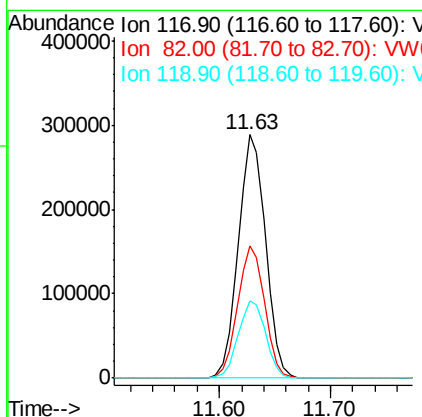
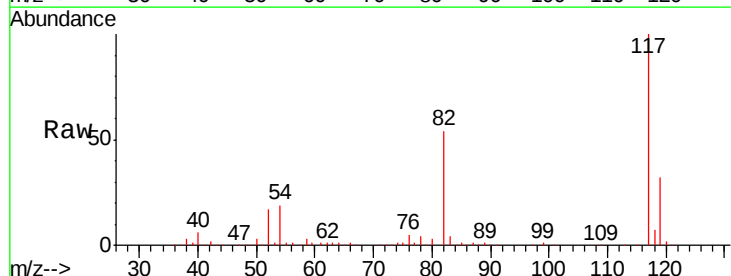
Instrument :
MSVOA_W
ClientSampleId :
TH-4

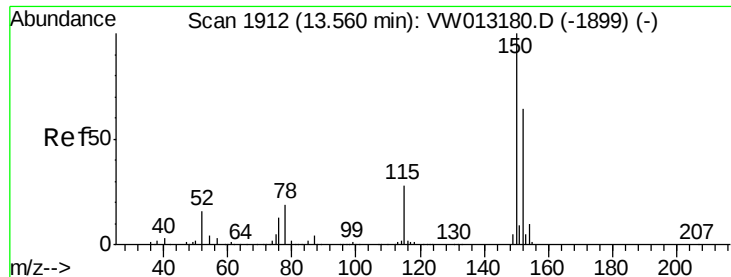
Tgt Ion: 95 Resp: 205282
Ion Ratio Lower Upper
95 100
174 91.0 0.0 178.4
176 87.7 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013252.D
Acq: 24 Sep 2019 02:29

Tgt Ion: 117 Resp: 488244
Ion Ratio Lower Upper
117 100
82 54.2 45.9 68.9
119 31.8 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: VW013252.D

Acq: 24 Sep 2019 02:29

Instrument :

MSVOA_W

ClientSampled :

TH-4

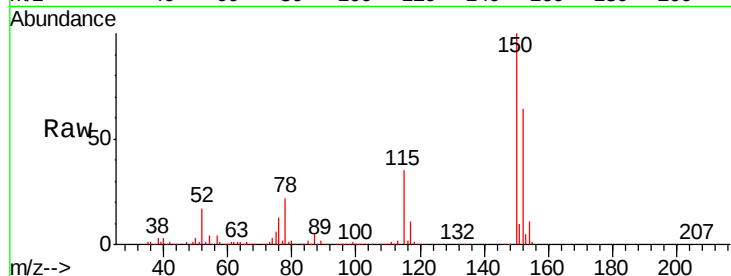
Tgt Ion:152 Resp: 207745

Ion Ratio Lower Upper

152 100

115 55.0 27.3 81.9

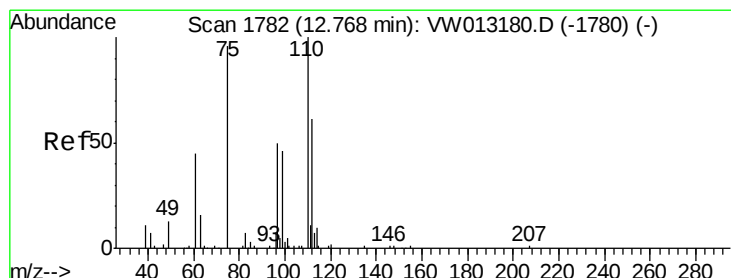
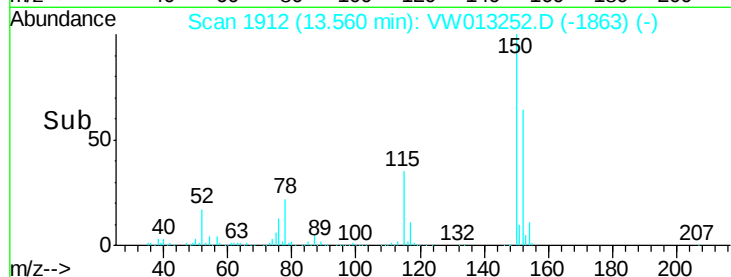
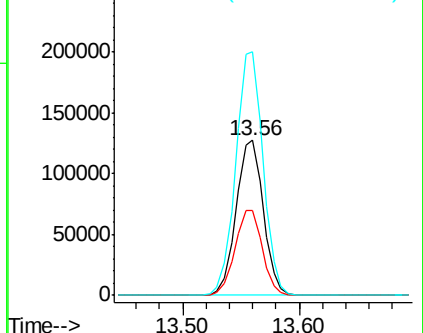
150 157.5 0.0 349.0



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: 53.640 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013252.D

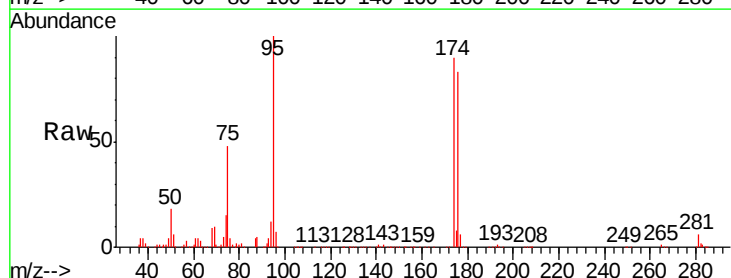
Acq: 24 Sep 2019 02:29

Tgt Ion: 75 Resp: 98412

Ion Ratio Lower Upper

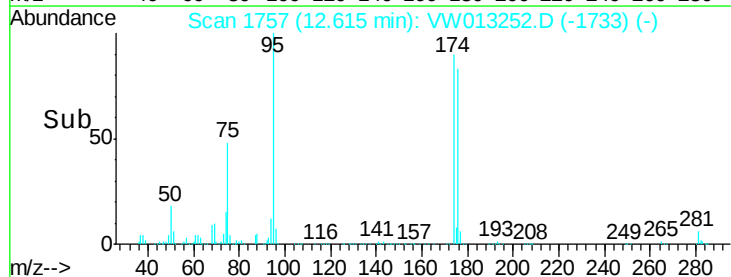
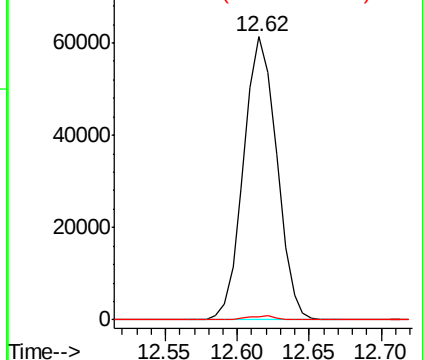
75 100

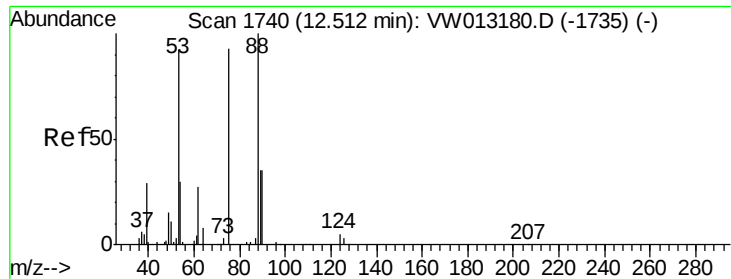
77 1.5 0.0 0.0#



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: 120.364 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013252.D

Acq: 24 Sep 2019 02:29

Instrument :

MSVOA_W

ClientSampleId :

TH-4

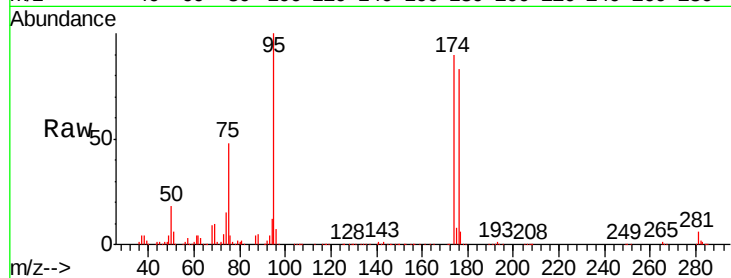
Tgt Ion: 75 Resp: 98412

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

