

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
 Data File : VW011966.D
 Acq On : 16 Aug 2019 15:43
 Operator : SY/VA
 Sample : K4366-03
 Misc : 5.30G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-3

Quant Time: Aug 17 05:00:11 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

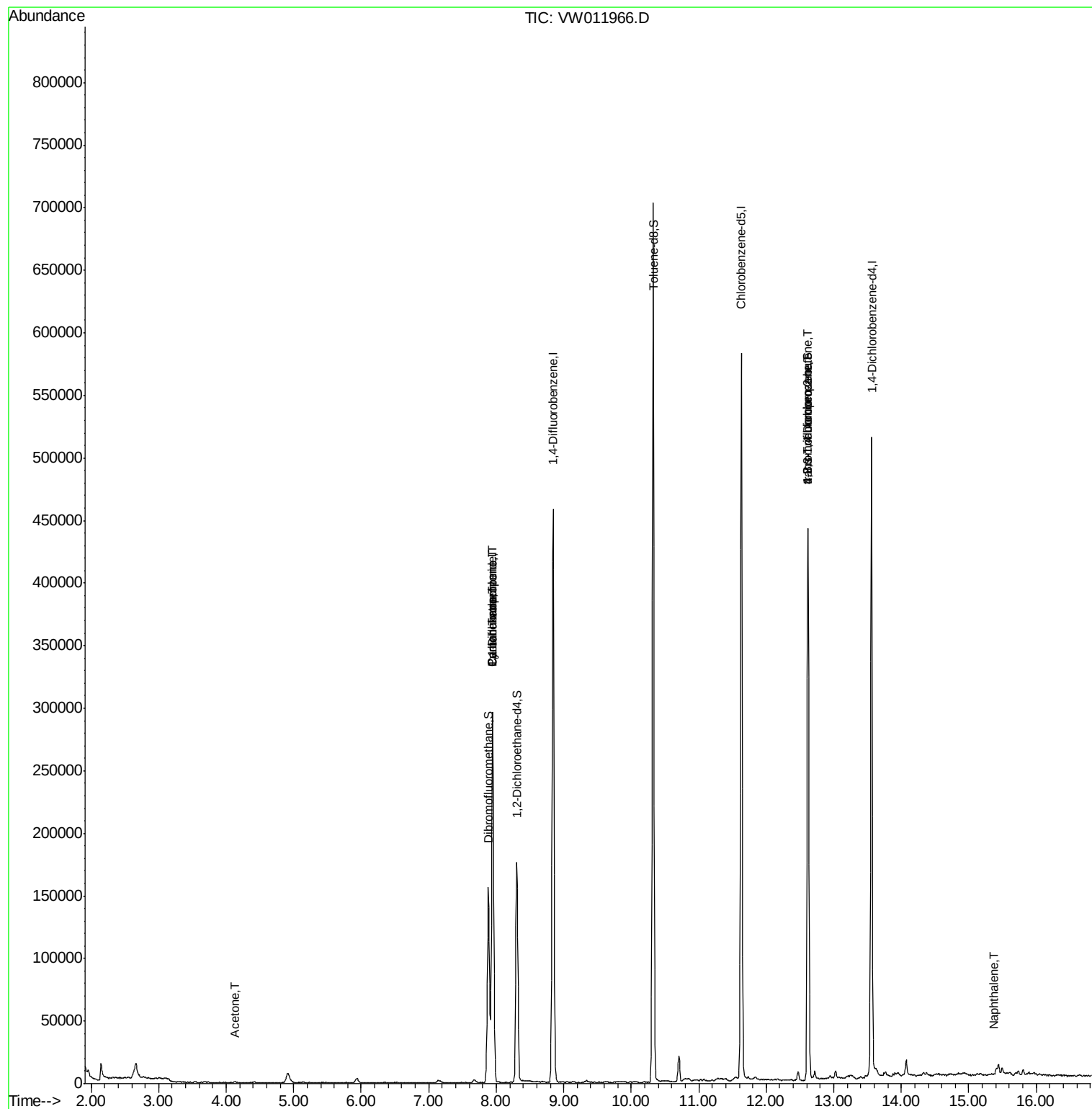
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127648	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	136093	54.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.68%	
35) Dibromofluoromethane	7.88	113	109090	54.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.70%	
50) Toluene-d8	10.32	98	442062	53.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.62	95	147013	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.15	59	328	Below Cal	#	72
16) Acetone	4.13	43	1470	1.862	ug/l	96
31) Cyclohexane	7.95	56	5787	1.247	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18237	4.902	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22141	6.952	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	76328	56.512	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76328	130.239	ug/l #	6
95) Naphthalene	15.37	128	329	2.129	ug/l #	81

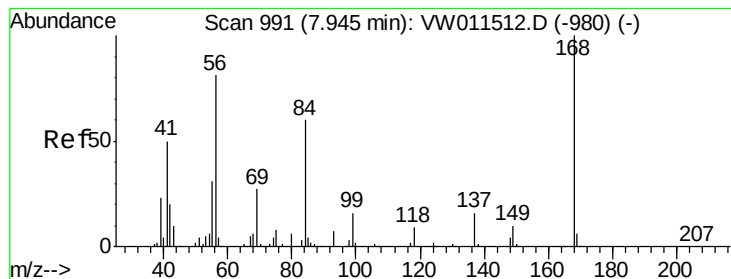
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011966.D

Acq: 16 Aug 2019 15:43

Instrument :

MSVOA_W

ClientSampled :

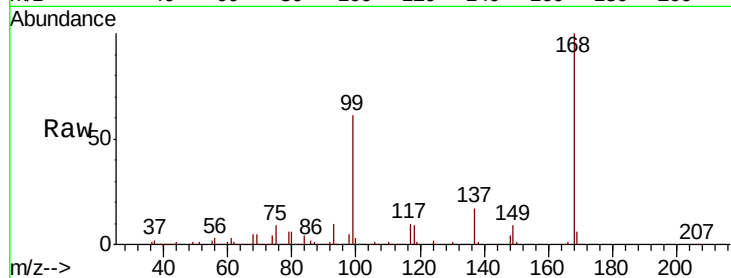
PX-3

Tgt Ion: 168 Resp: 216112

Ion Ratio Lower Upper

168 100

99 61.4 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

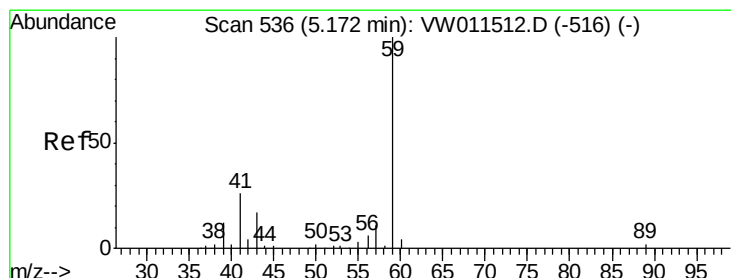
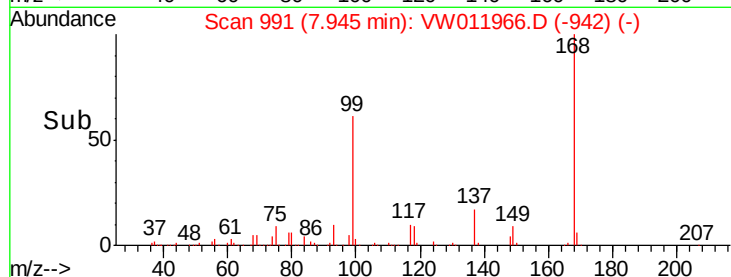
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW011966.D

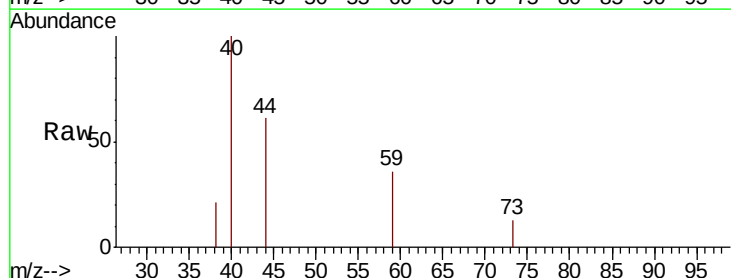
Acq: 16 Aug 2019 15:43

Tgt Ion: 59 Resp: 328

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

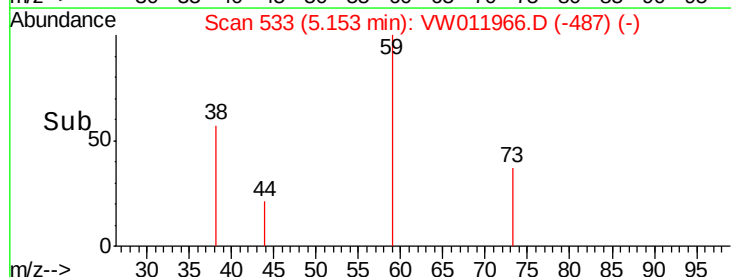
150

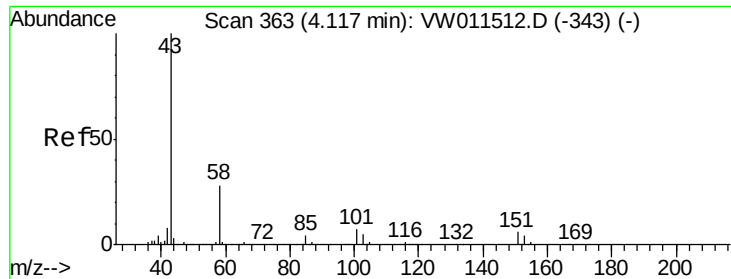
100

50

0

Time--> 5.10 5.15 5.20





#16

Acetone

Concen: 1.862 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011966.D

Acq: 16 Aug 2019 15:43

Instrument :

MSVOA_W

ClientSampled :

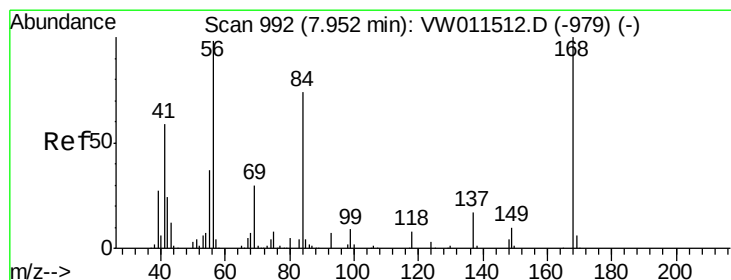
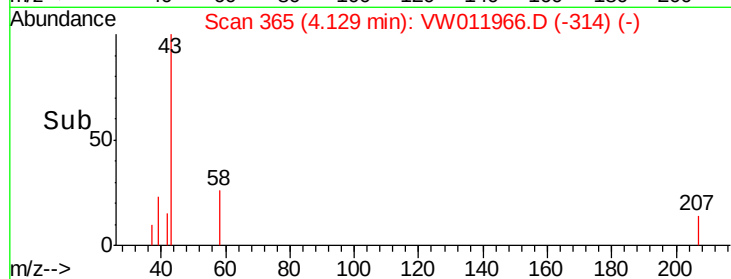
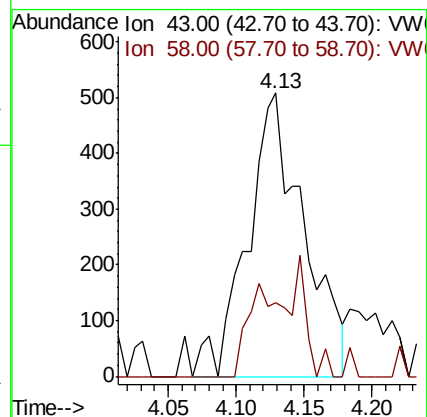
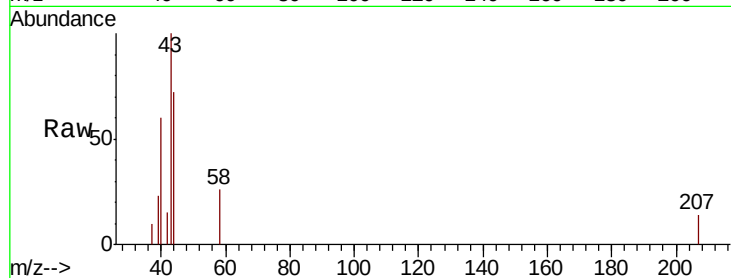
PX-3

Tgt Ion: 43 Resp: 1470

Ion Ratio Lower Upper

43 100

58 26.0 22.3 33.5



#31

Cyclohexane

Concen: 1.247 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011966.D

Acq: 16 Aug 2019 15:43

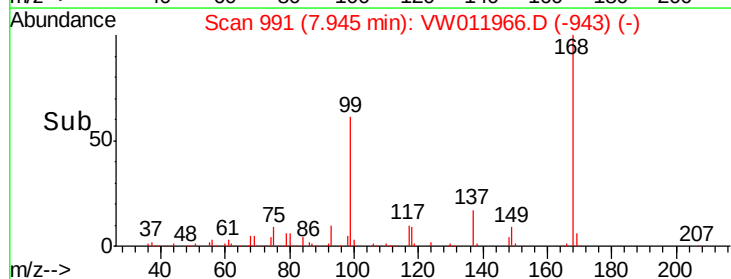
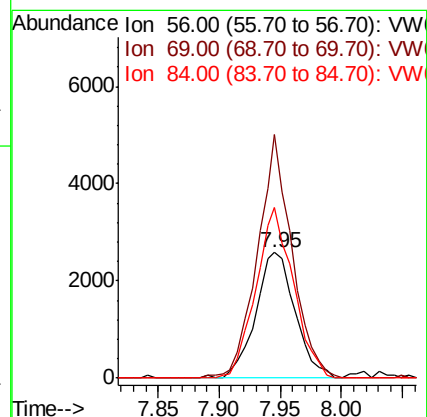
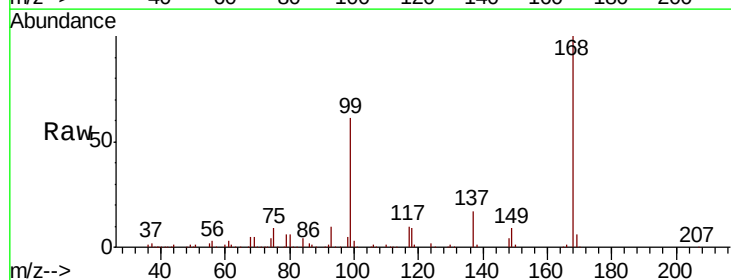
Tgt Ion: 56 Resp: 5787

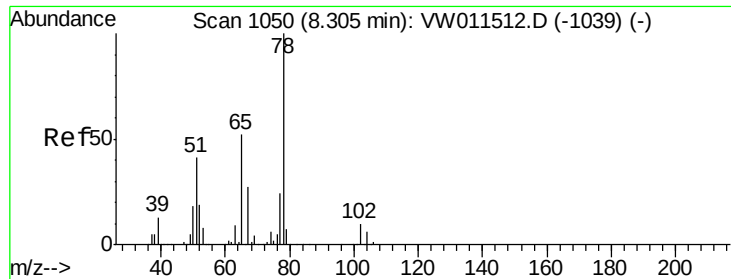
Ion Ratio Lower Upper

56 100

69 194.1 24.3 36.5#

84 135.6 60.4 90.6#

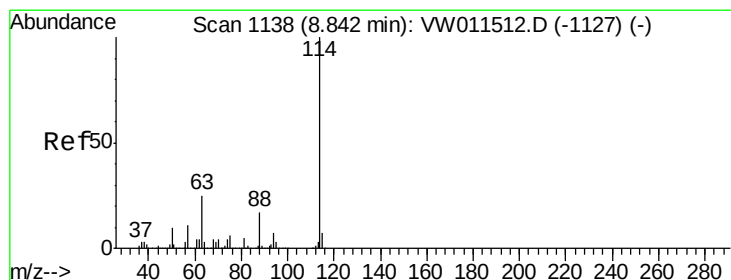
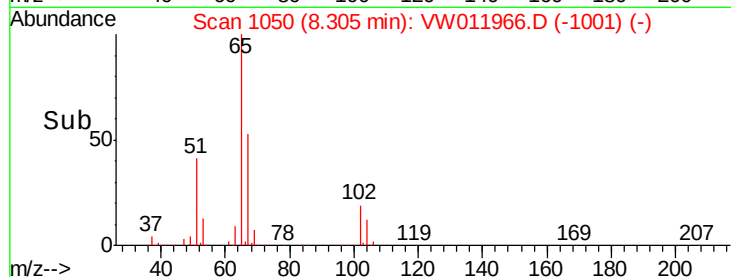
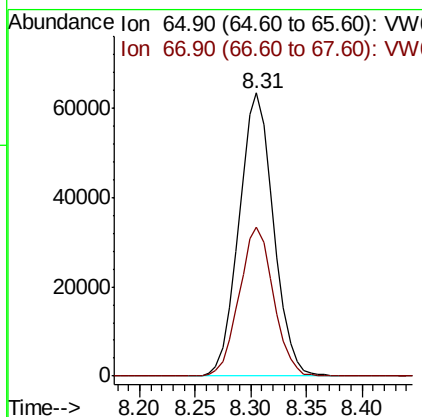
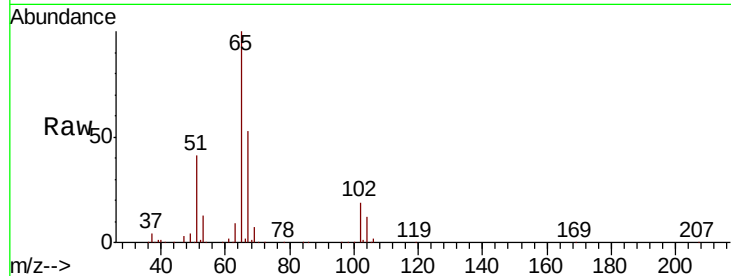




#33
 1,2-Dichloroethane-d4
 Concen: 54.842 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011966.D
 Acq: 16 Aug 2019 15:43

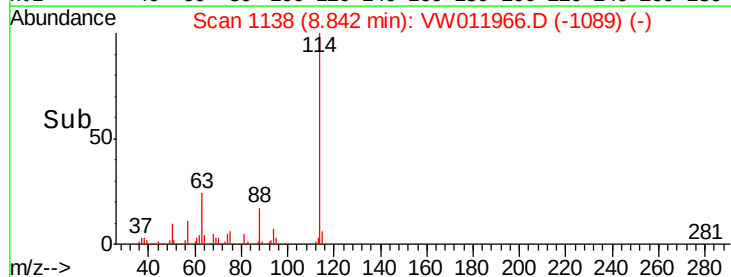
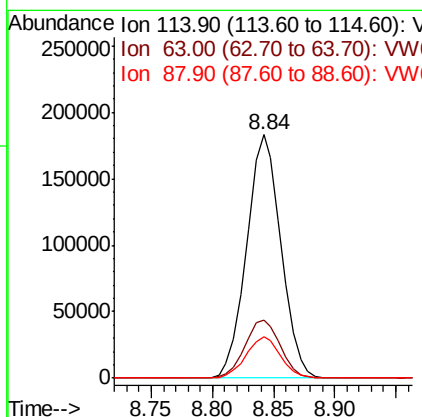
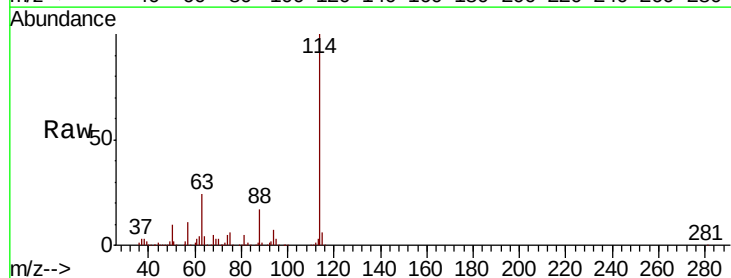
Instrument :
 MSVOA_W
 ClientSampled :
 PX-3

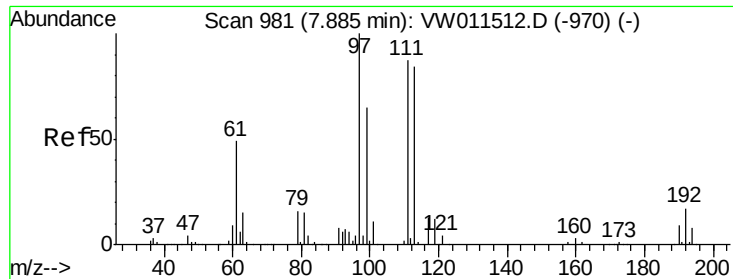
Tgt Ion: 65 Resp: 136093
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011966.D
 Acq: 16 Aug 2019 15:43

Tgt Ion: 114 Resp: 357775
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.350 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011966.D

Acq: 16 Aug 2019 15:43

Instrument :

MSVOA_W

ClientSampled :

PX-3

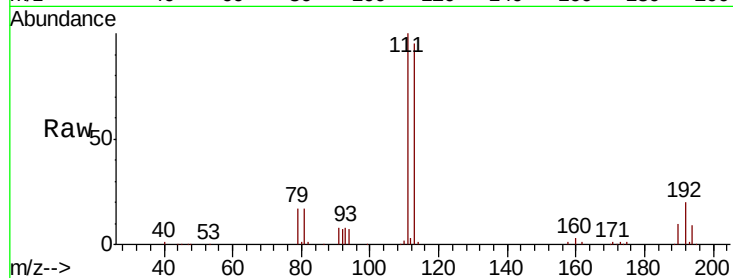
Tgt Ion:113 Resp: 109090

Ion Ratio Lower Upper

113 100

111 103.6 82.7 124.1

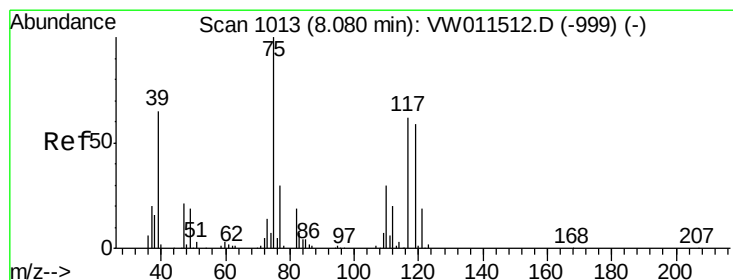
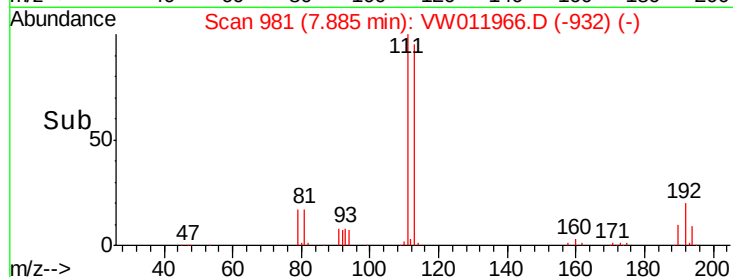
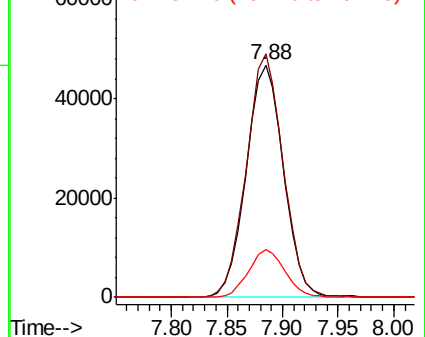
192 20.2 16.1 24.1



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: 4.902 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011966.D

Acq: 16 Aug 2019 15:43

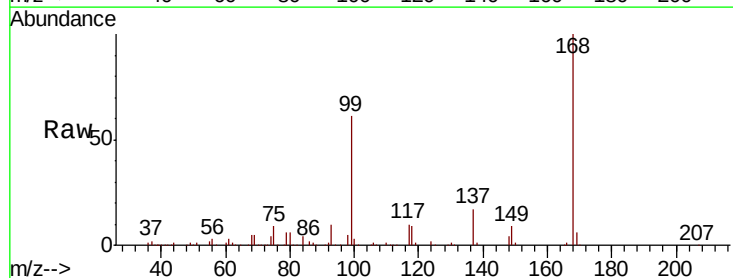
Tgt Ion: 75 Resp: 18237

Ion Ratio Lower Upper

75 100

110 9.0 15.6 46.8#

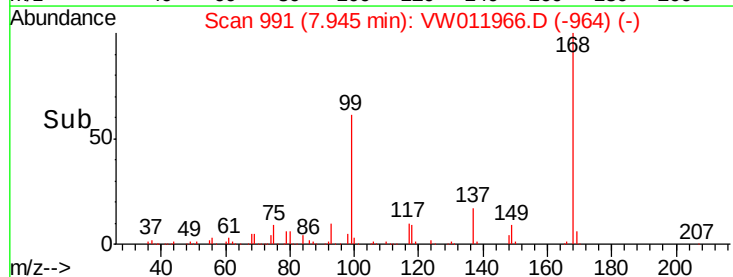
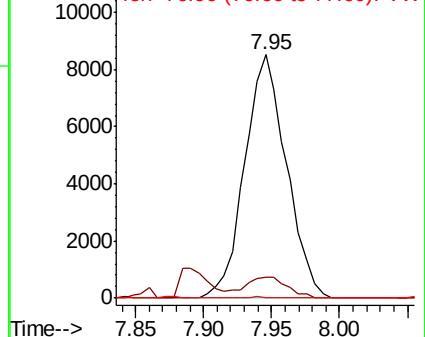
77 0.1 24.3 36.5#

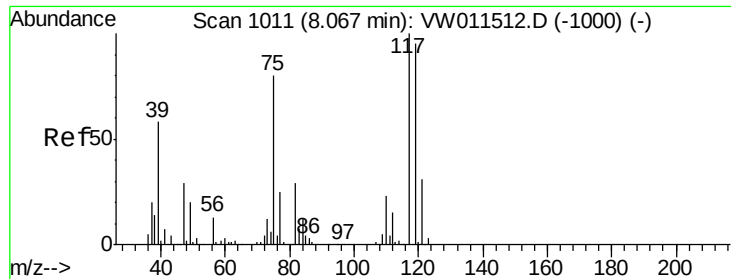


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.952 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011966.D

Acq: 16 Aug 2019 15:43

Instrument :

MSVOA_W

ClientSampleId :

PX-3

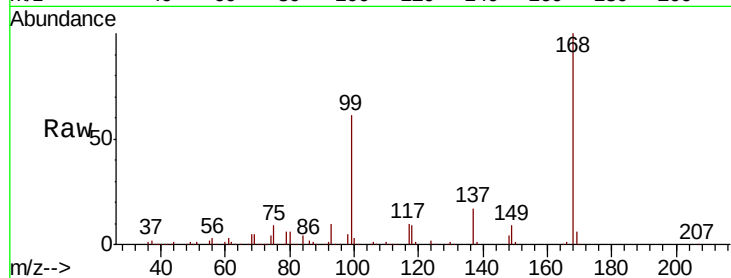
Tgt Ion:117 Resp: 22141

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

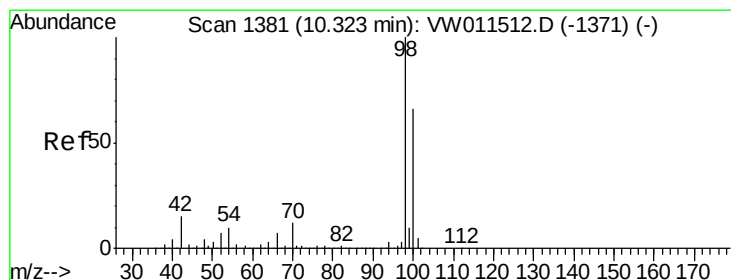
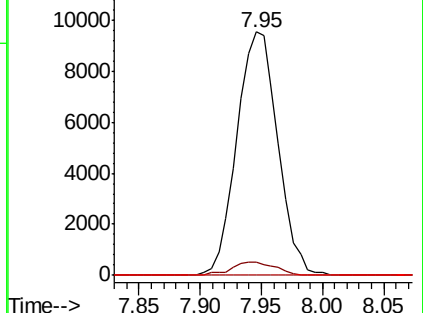
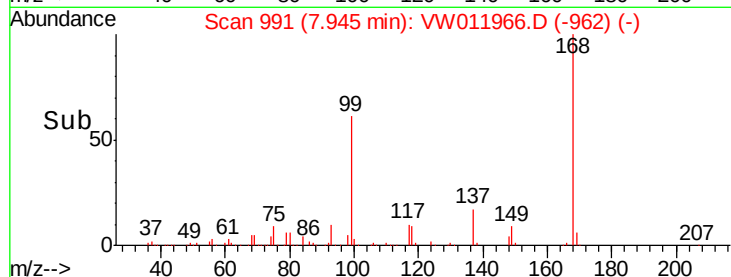
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 53.792 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011966.D

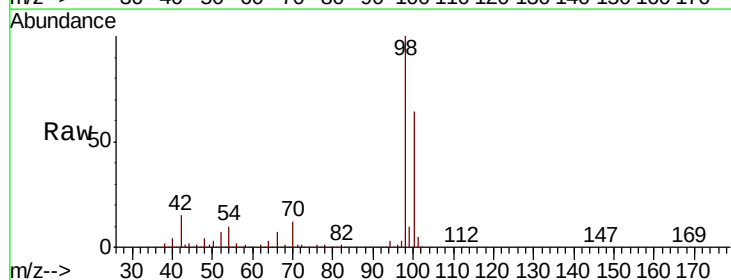
Acq: 16 Aug 2019 15:43

Tgt Ion: 98 Resp: 442062

Ion Ratio Lower Upper

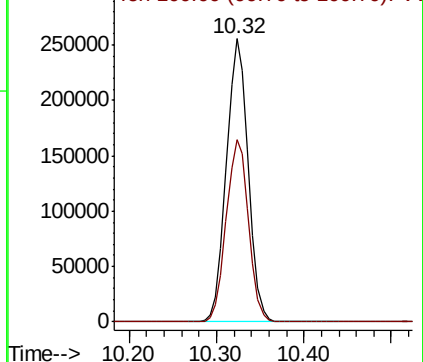
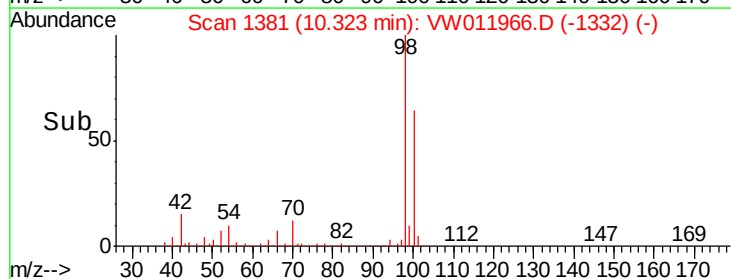
98 100

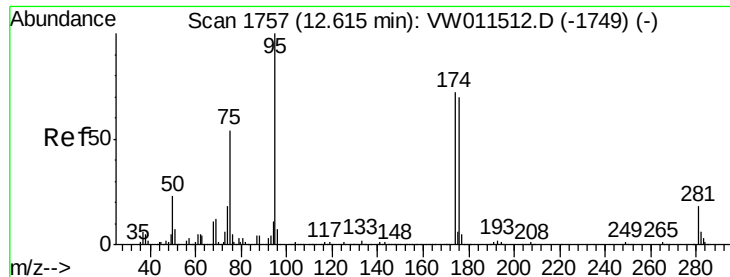
100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 50.177 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011966.D

Acq: 16 Aug 2019 15:43

Instrument :

MSVOA_W

ClientSampleId :

PX-3

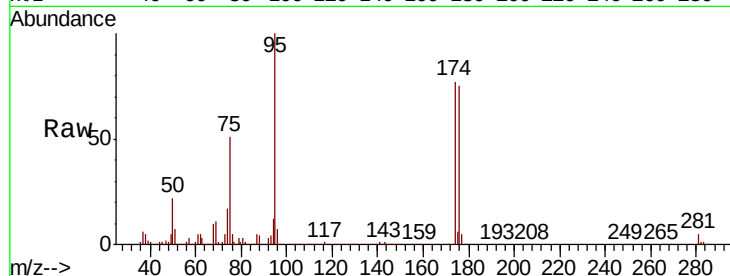
Tgt Ion: 95 Resp: 147013

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.2

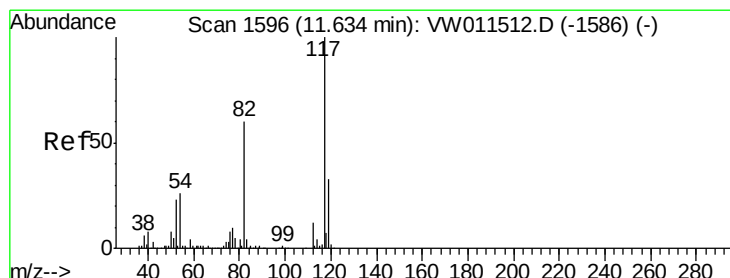
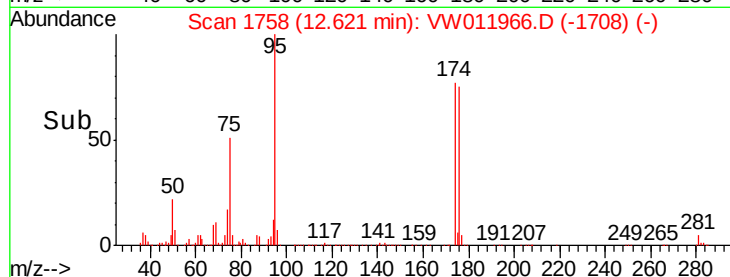
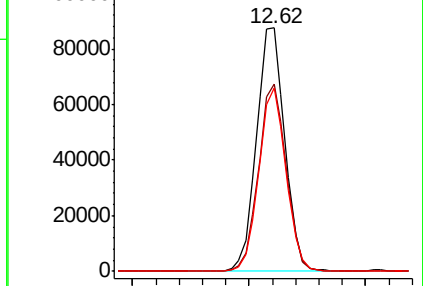
176 72.5 0.0 144.4



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: VW011966.D

Acq: 16 Aug 2019 15:43

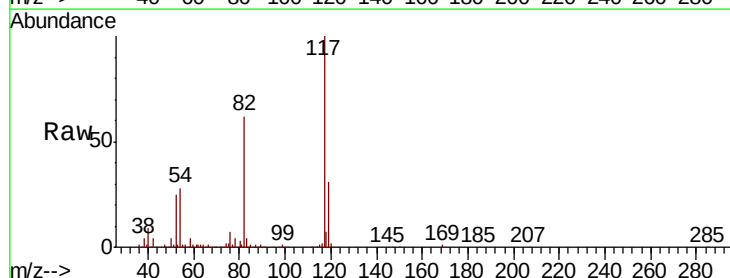
Tgt Ion: 117 Resp: 304286

Ion Ratio Lower Upper

117 100

82 61.7 47.9 71.9

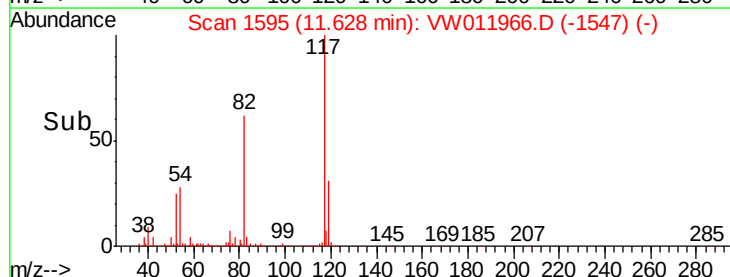
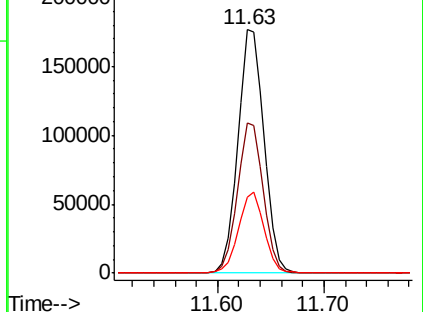
119 30.9 26.2 39.2

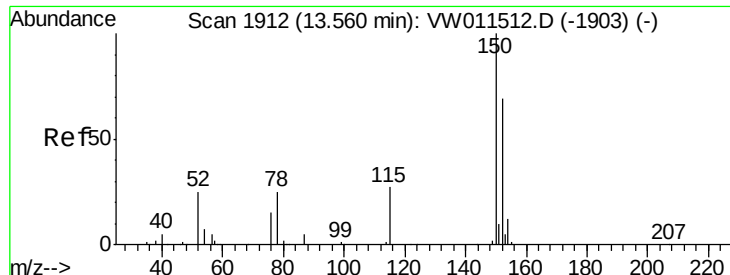


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

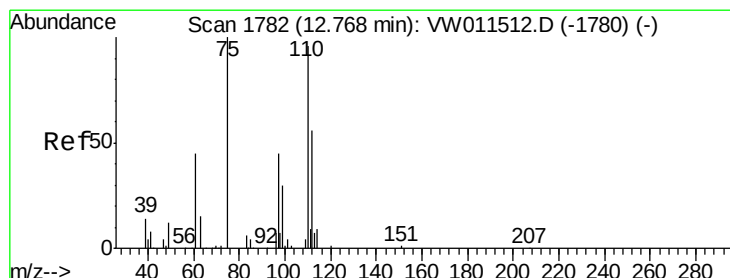
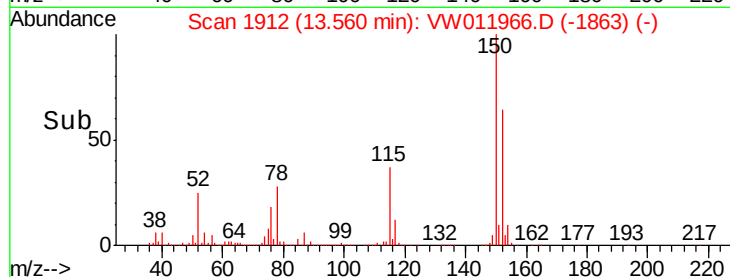
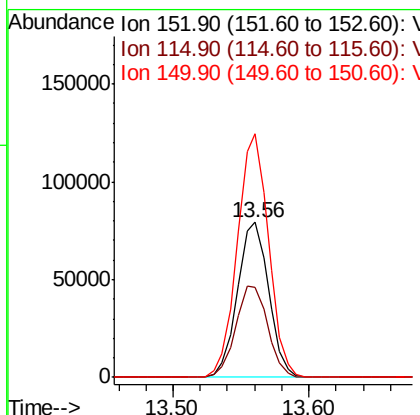
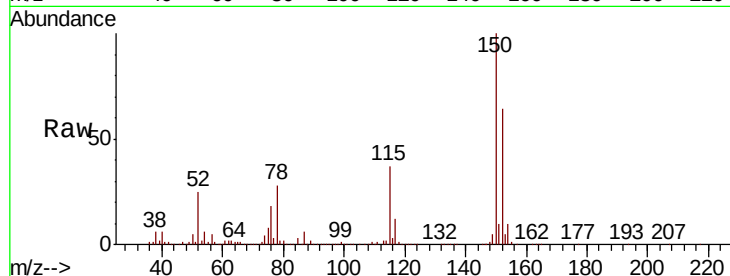




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW011966.D
 Acq: 16 Aug 2019 15:43

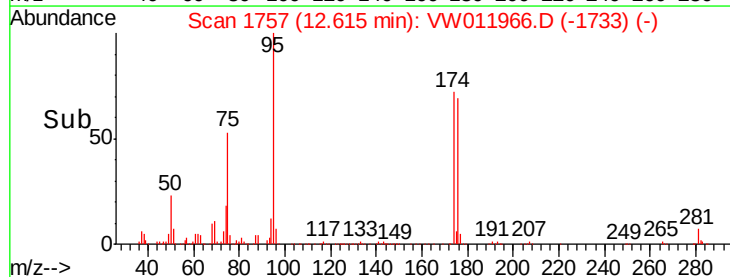
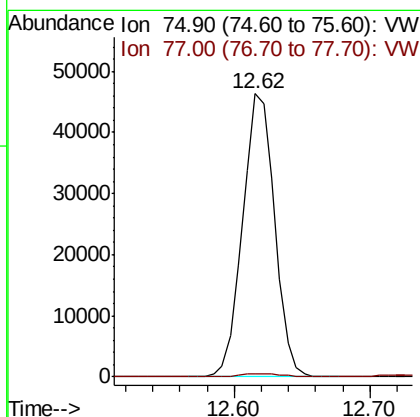
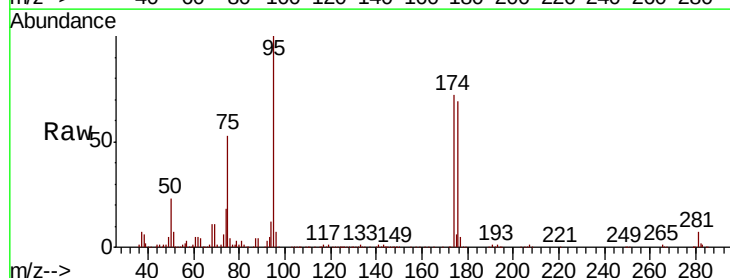
Instrument :
 MSVOA_W
 ClientSampleId :
 PX-3

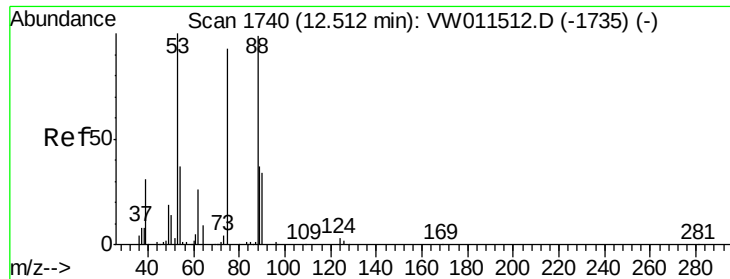
Tgt Ion: 152 Resp: 127648
 Ion Ratio Lower Upper
 152 100
 115 59.8 30.5 91.5
 150 156.0 0.0 352.6



#76
 1,2,3-Trichloropropane
 Concen: 56.512 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011966.D
 Acq: 16 Aug 2019 15:43

Tgt Ion: 75 Resp: 76328
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#

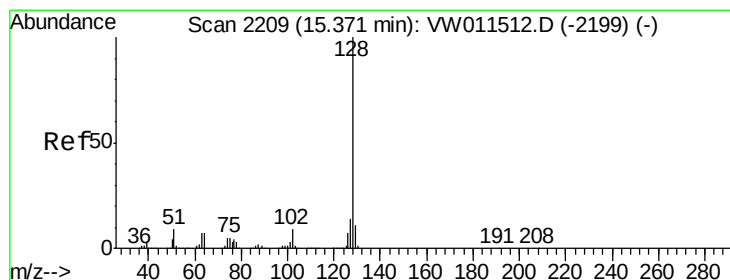
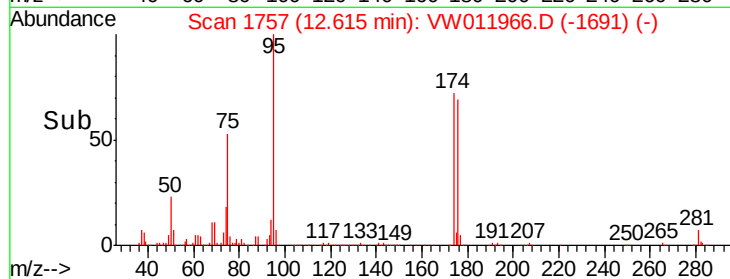
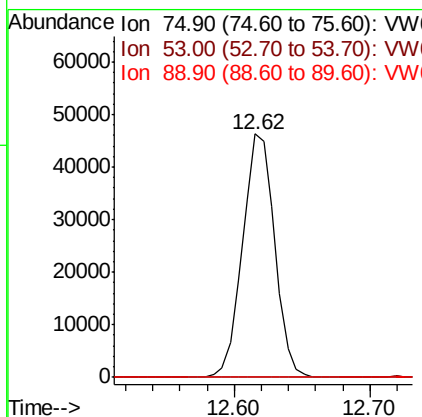
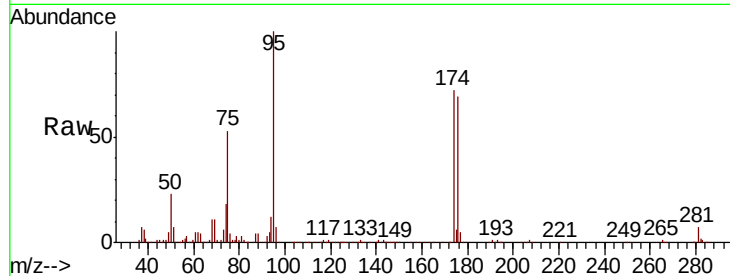




#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.239 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011966.D
 Acq: 16 Aug 2019 15:43

Instrument :
 MSVOA_W
 ClientSampled :
 PX-3

Tgt Ion: 75 Resp: 76328
 Ion Ratio Lower Upper
 75 100
 53 0.3 88.0 132.0#
 89 0.0 35.3 52.9#



#95
 Naphthalene
 Concen: 2.129 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW011966.D
 Acq: 16 Aug 2019 15:43

Tgt Ion: 128 Resp: 329
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 10.6 8.6 13.0

