

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012219.D
 Acq On : 27 Aug 2019 18:10
 Operator : SY/VA
 Sample : K4521-12
 Misc : 4.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-15

Quant Time: Aug 28 04:59:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

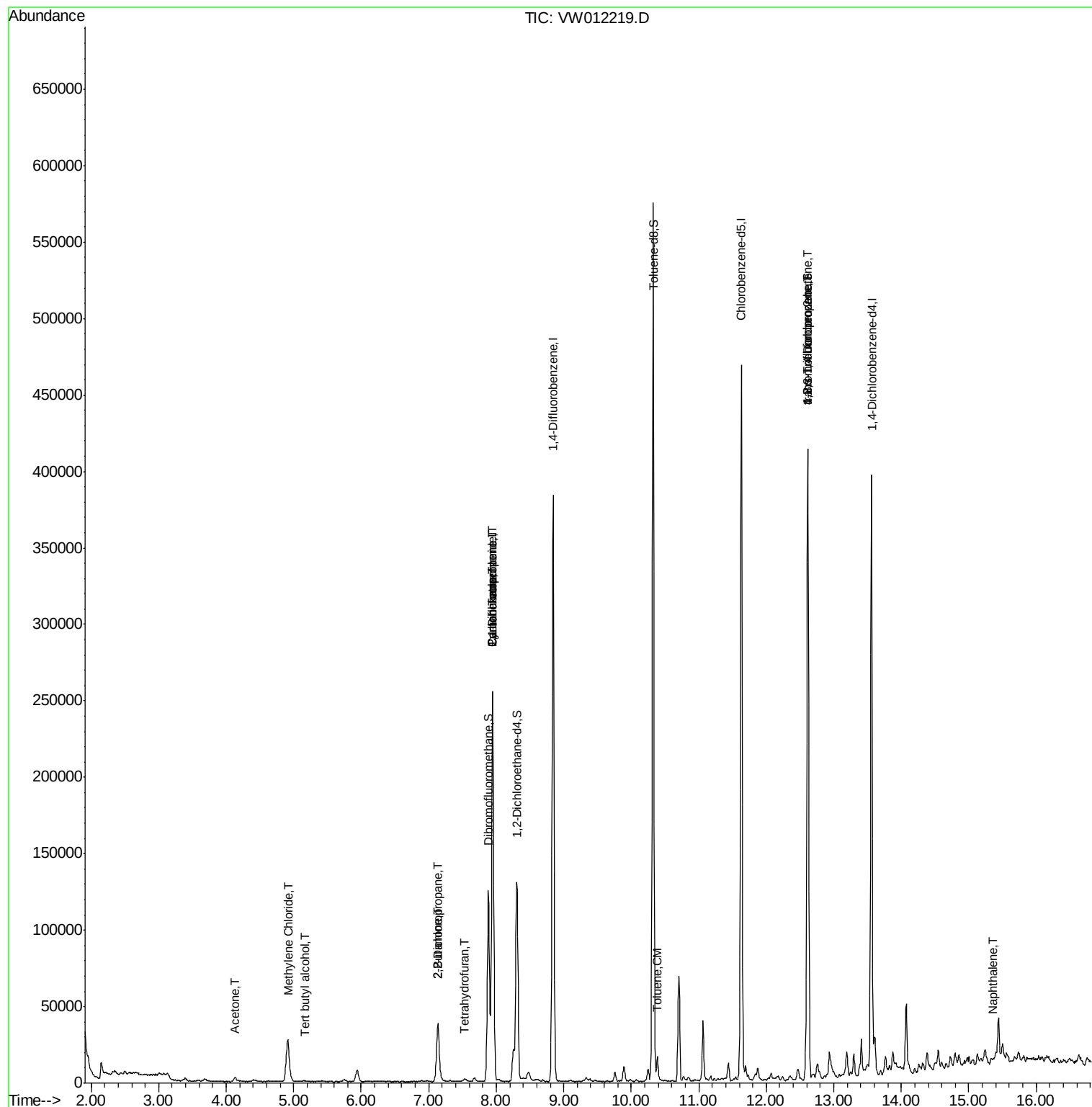
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	184918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	300902	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	247112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99554	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	105071	47.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.60%	
35) Dibromofluoromethane	7.88	113	89817	50.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.02%	
50) Toluene-d8	10.32	98	365345	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.62	95	117142	45.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.26%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.17	59	895	6.766	ug/l #	84
16) Acetone	4.13	43	5005	8.907	ug/l	91
20) Methylene Chloride	4.92	84	19726	9.286	ug/l	98
25) 2-Butanone	7.13	43	2369	3.103	ug/l	93
26) 2,2-Dichloropropane	7.13	77	2753	1.215	ug/l #	54
29) Tetrahydrofuran	7.53	42	1645	3.591	ug/l #	84
31) Cyclohexane	7.95	56	4855	1.226	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16340	5.255	ug/l #	51
38) Carbon Tetrachloride	7.95	117	18742	6.964	ug/l #	16
52) Toluene	10.39	92	5954	1.167	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	62266	64.219	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62266	140.803	ug/l #	6
95) Naphthalene	15.36	128	2872	5.020	ug/l #	94

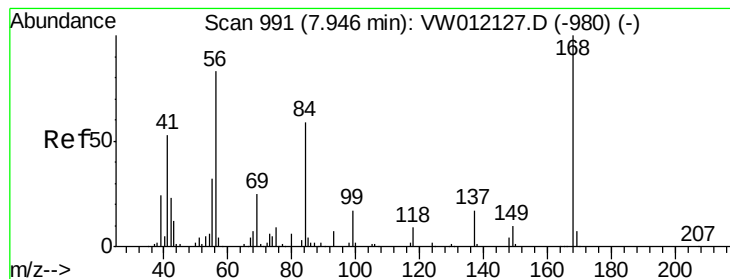
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
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QLast Update : Mon Aug 26 07:18:31 2019
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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: VW012219.D

Acq: 27 Aug 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

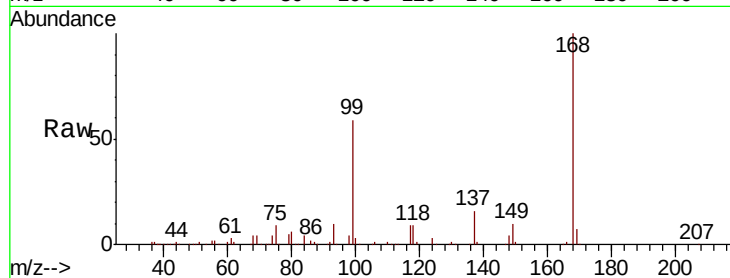
PX-15

Tgt Ion: 168 Resp: 184918

Ion Ratio Lower Upper

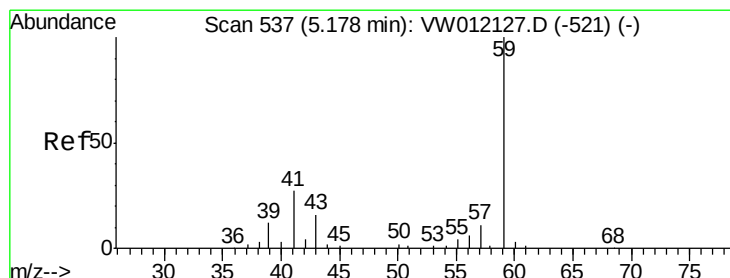
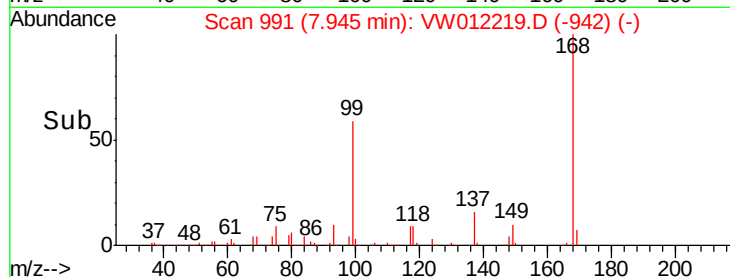
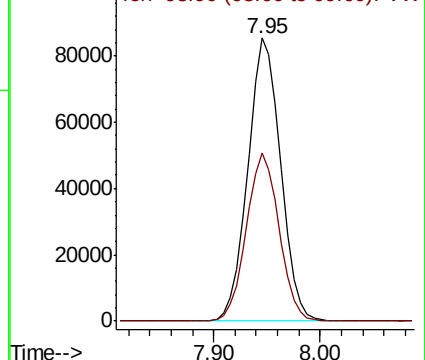
168 100

99 59.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 6.766 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW012219.D

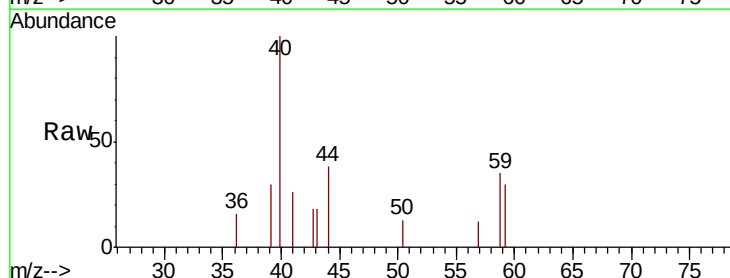
Acq: 27 Aug 2019 18:10

Tgt Ion: 59 Resp: 895

Ion Ratio Lower Upper

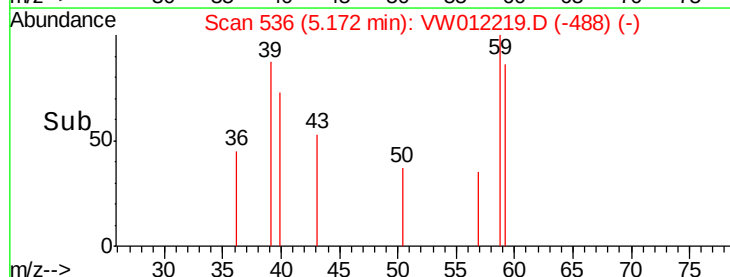
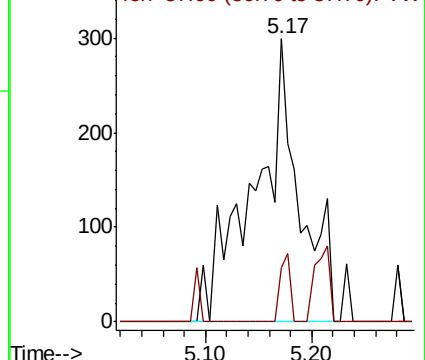
59 100

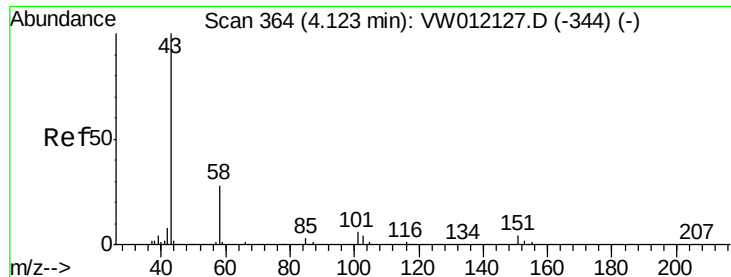
57 5.3 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

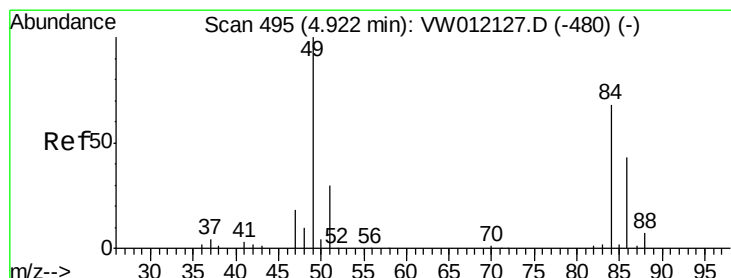
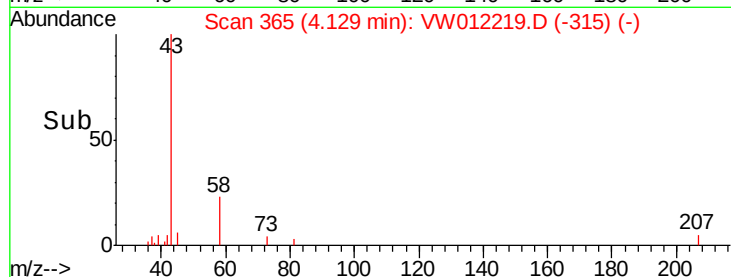
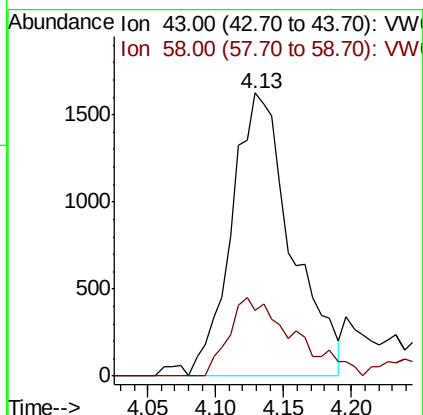
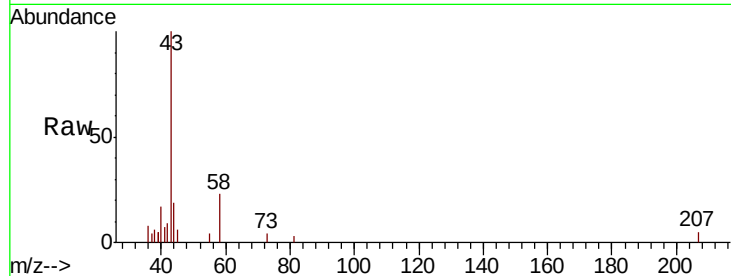




#16
Acetone
Concen: 8.907 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012219.D
Acq: 27 Aug 2019 18:10

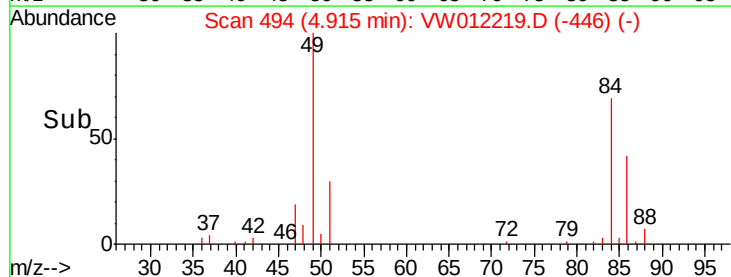
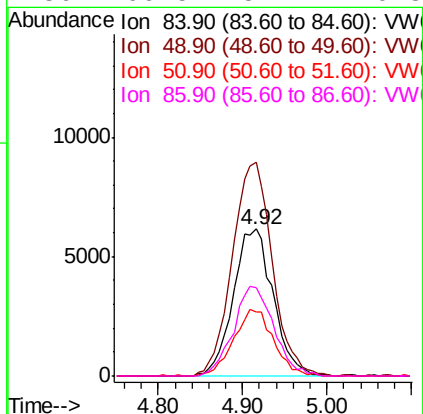
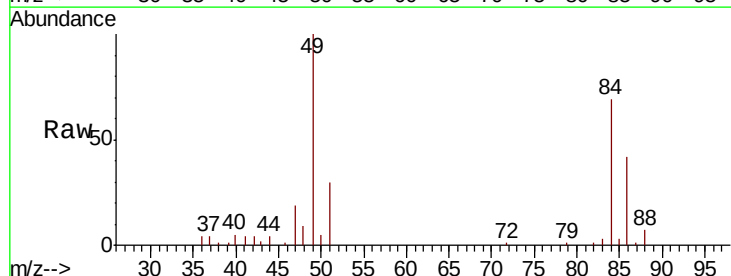
Instrument :
MSVOA_W
ClientSampled :
PX-15

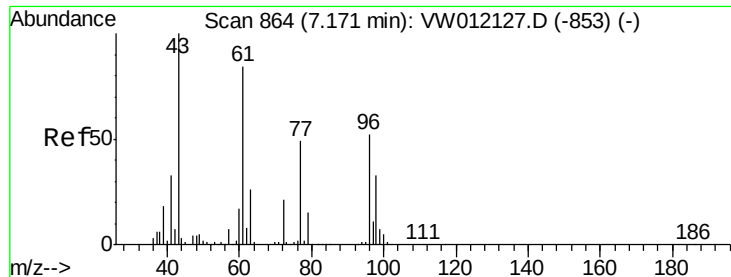
Tgt Ion: 43 Resp: 5005
Ion Ratio Lower Upper
43 100
58 23.3 22.4 33.6



#20
Methylene Chloride
Concen: 9.286 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012219.D
Acq: 27 Aug 2019 18:10

Tgt Ion: 84 Resp: 19726
Ion Ratio Lower Upper
84 100
49 145.3 117.8 176.8
51 43.9 35.6 53.4
86 60.5 51.2 76.8





#25

2-Butanone

Concen: 3.103 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW012219.D

Acq: 27 Aug 2019 18:10

Instrument :

MSVOA_W

ClientSampled :

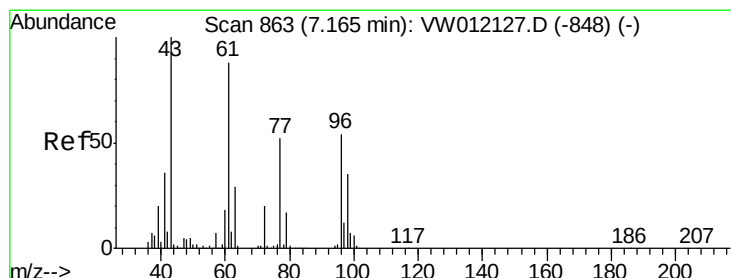
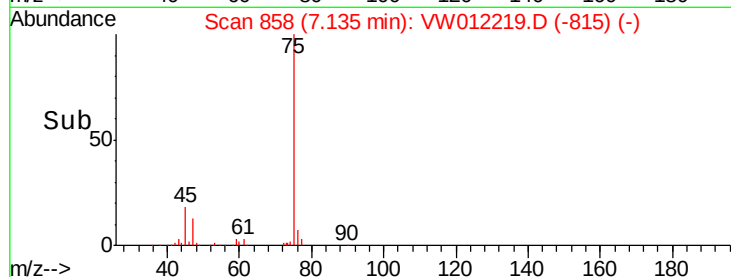
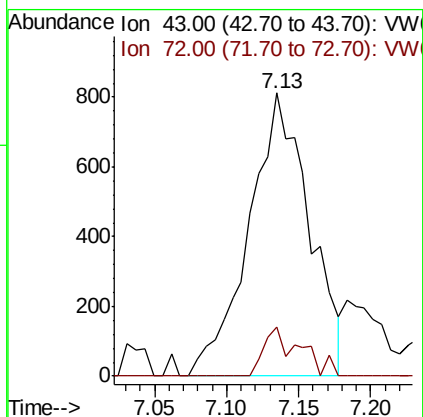
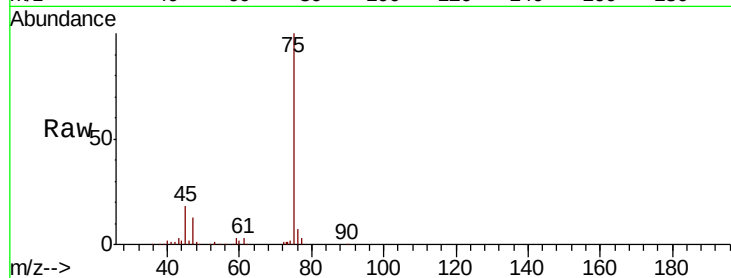
PX-15

Tgt Ion: 43 Resp: 2369

Ion Ratio Lower Upper

43 100

72 17.6 16.6 24.8



#26

2,2-Dichloropropane

Concen: 1.215 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW012219.D

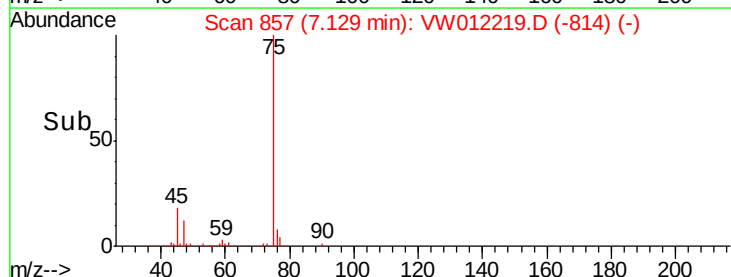
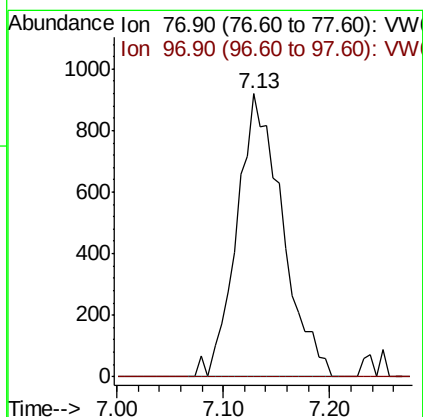
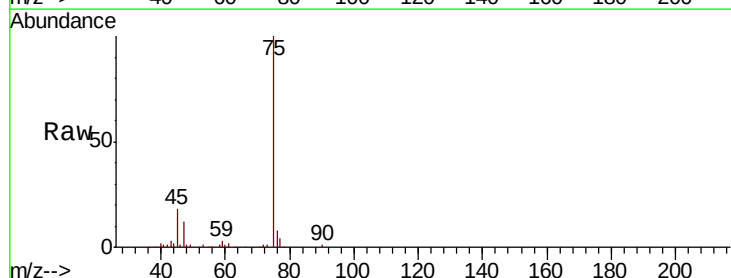
Acq: 27 Aug 2019 18:10

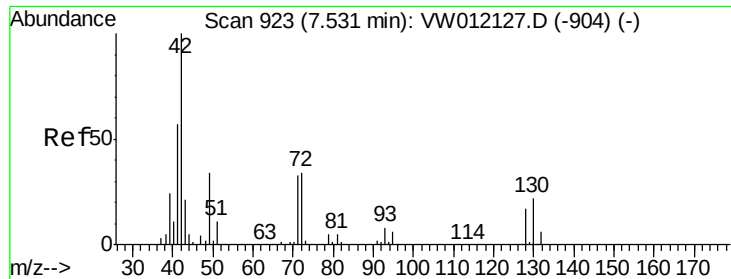
Tgt Ion: 77 Resp: 2753

Ion Ratio Lower Upper

77 100

97 0.0 11.1 33.1#





#29

Tetrahydrofuran

Concen: 3.591 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012219.D

Acq: 27 Aug 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

PX-15

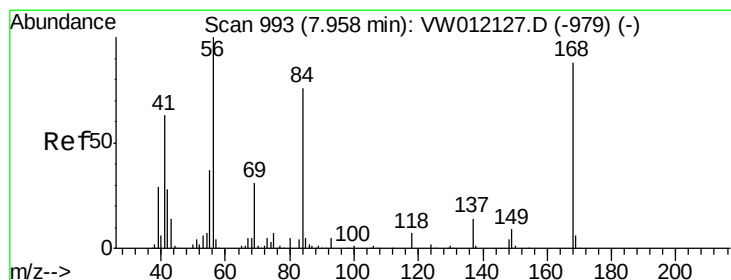
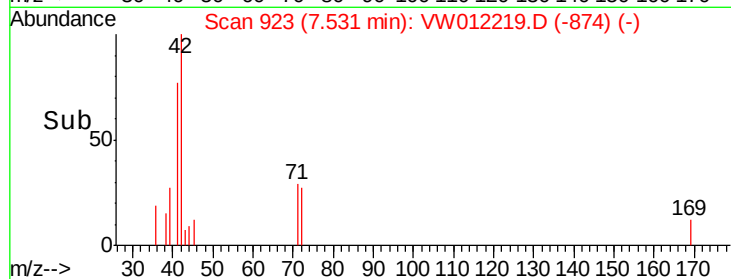
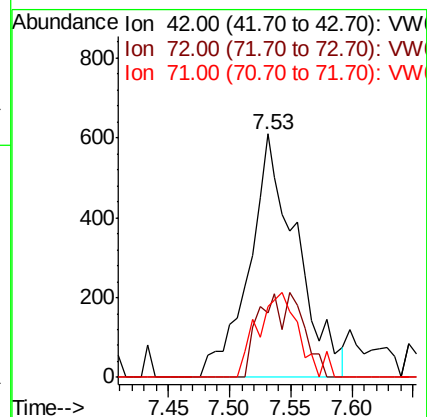
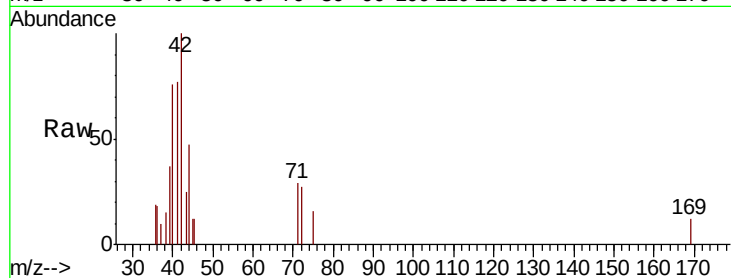
Tgt Ion: 42 Resp: 1645

Ion Ratio Lower Upper

42 100

72 17.7 27.3 40.9#

71 30.6 25.5 38.3



#31

Cyclohexane

Concen: 1.226 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012219.D

Acq: 27 Aug 2019 18:10

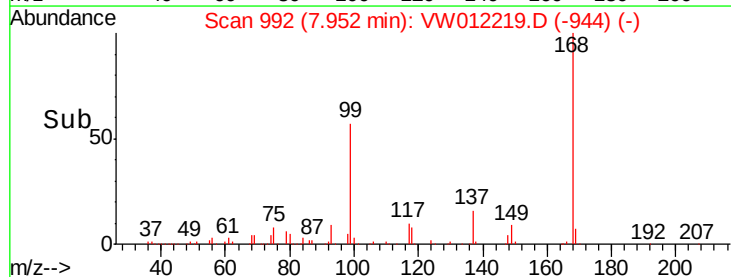
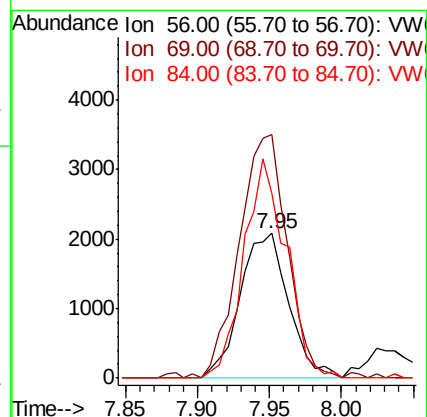
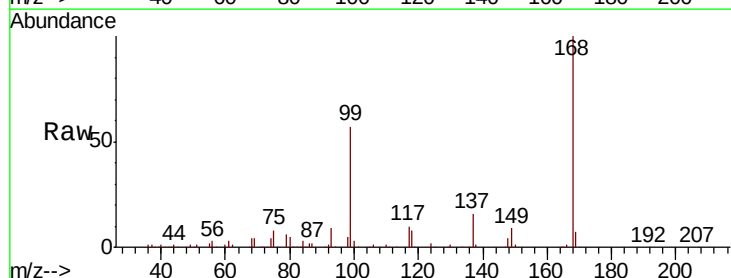
Tgt Ion: 56 Resp: 4855

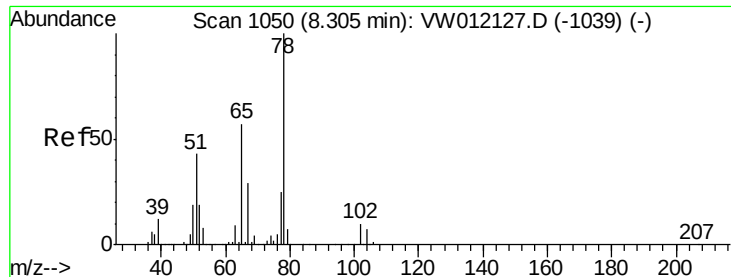
Ion Ratio Lower Upper

56 100

69 168.6 24.9 37.3#

84 128.2 60.6 90.8#

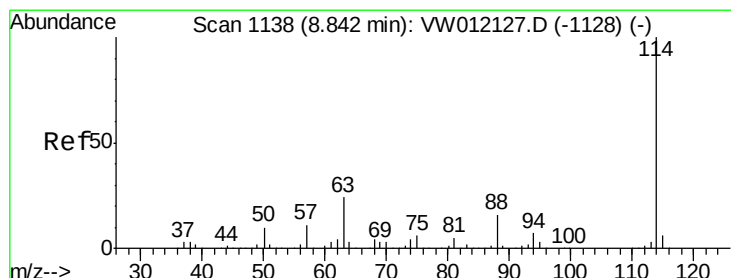
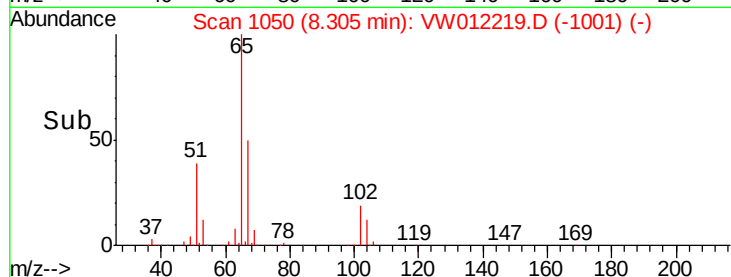
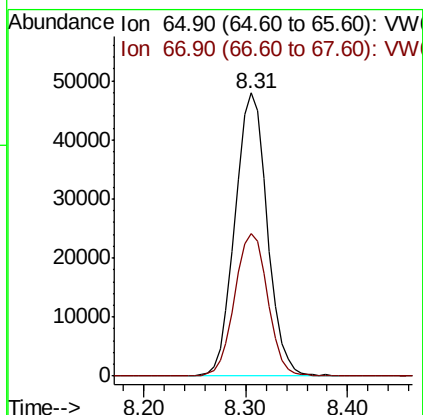
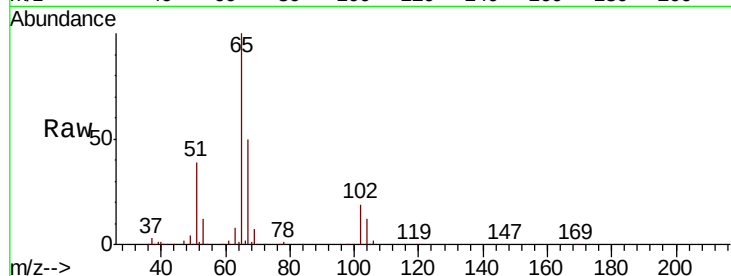




#33
 1,2-Dichloroethane-d4
 Concen: 47.798 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012219.D
 Acq: 27 Aug 2019 18:10

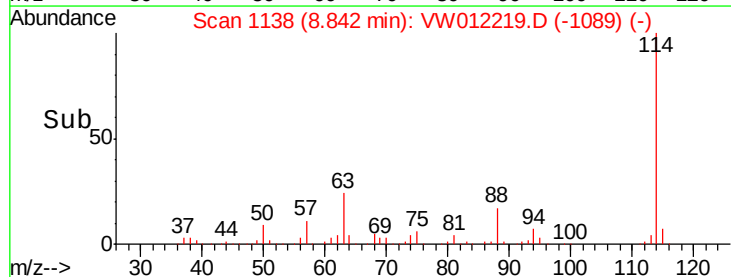
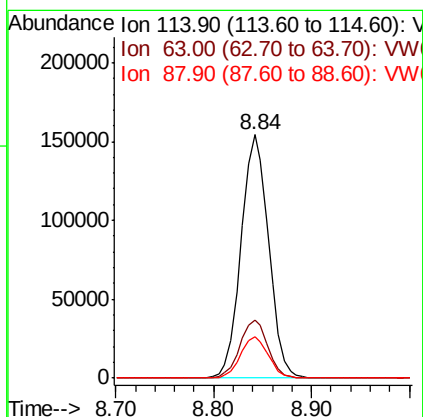
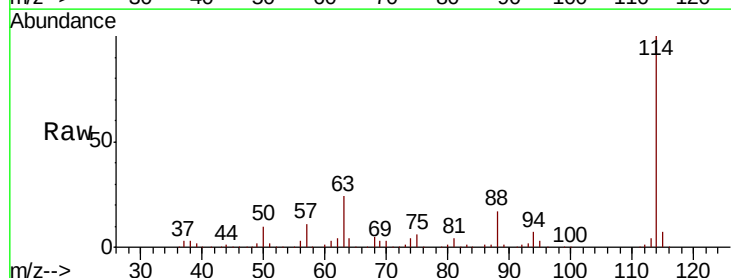
Instrument :
 MSVOA_W
 ClientSampled :
 PX-15

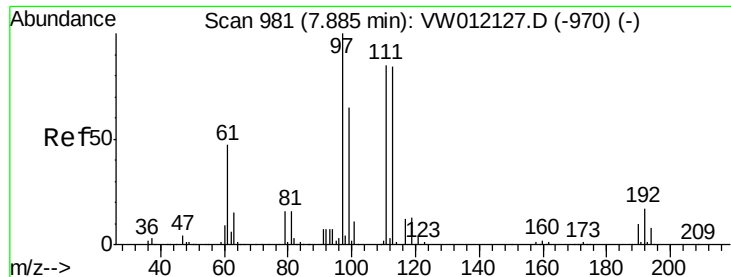
Tgt Ion: 65 Resp: 105071
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012219.D
 Acq: 27 Aug 2019 18:10

Tgt Ion: 114 Resp: 300902
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.6
 88 16.9 0.0 32.2

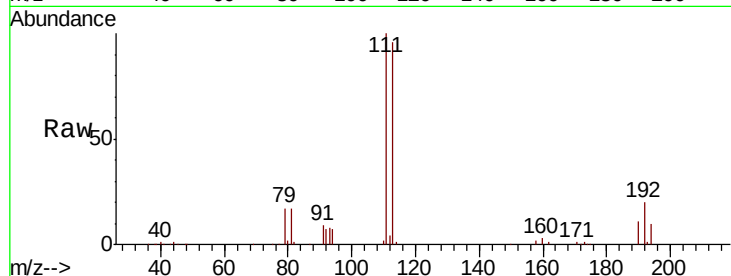




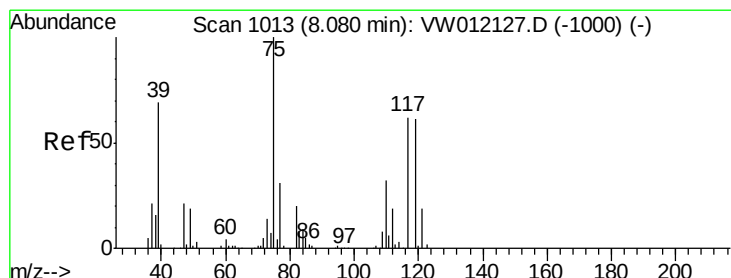
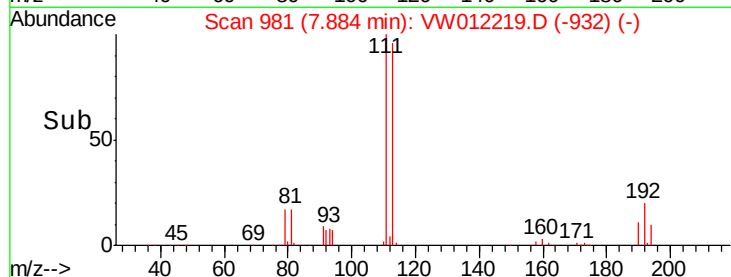
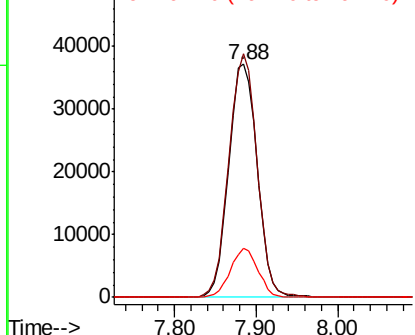
#35
 Dibromofluoromethane
 Concen: 50.007 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012219.D
 Acq: 27 Aug 2019 18:10

Instrument :
 MSVOA_W
 ClientSampled :
 PX-15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.7	124.1
192	20.3	16.2	24.2

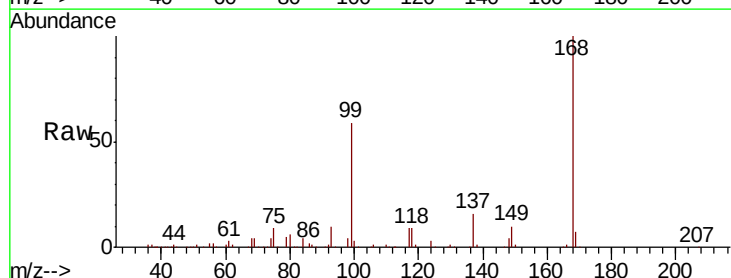


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

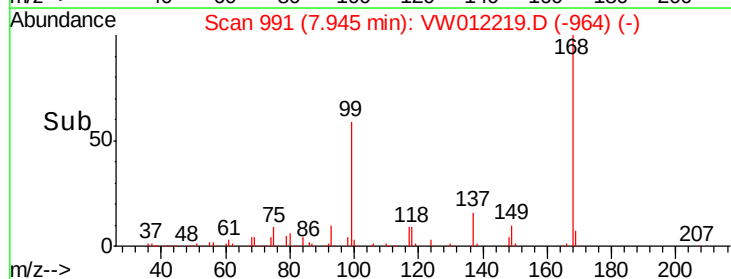
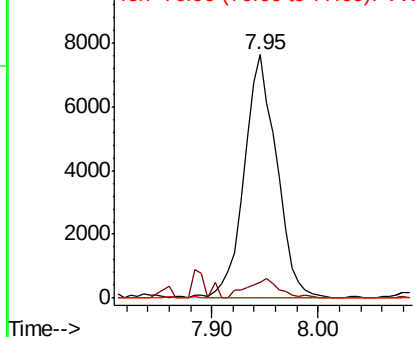


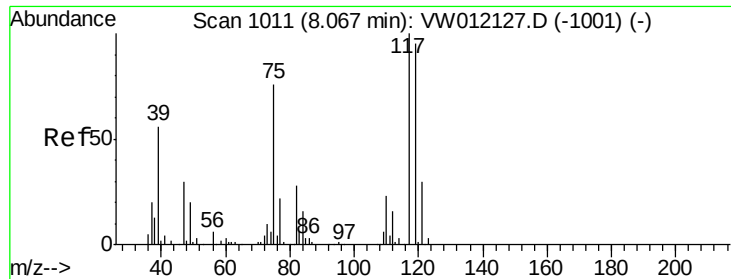
#36
 1,1-Dichloropropene
 Concen: 5.255 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012219.D
 Acq: 27 Aug 2019 18:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	15.6	46.8#
77	0.0	24.6	36.8#



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: 6.964 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW012219.D

Acq: 27 Aug 2019 18:10

Instrument :

MSVOA_W

ClientSampled :

PX-15

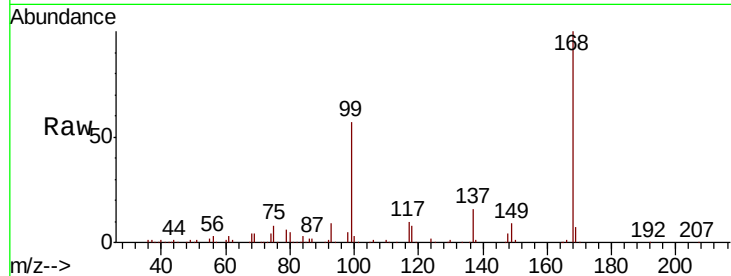
Tgt Ion:117 Resp: 18742

Ion Ratio Lower Upper

117 100

119 4.2 76.2 114.2#

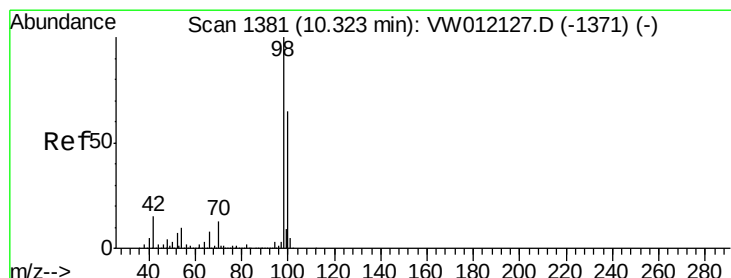
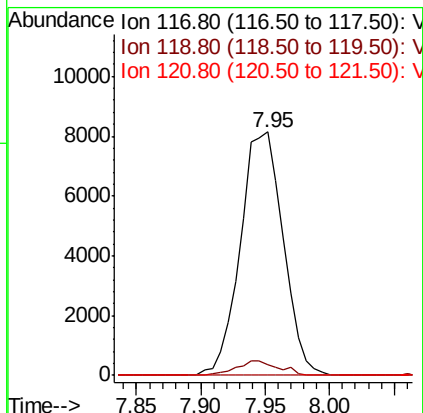
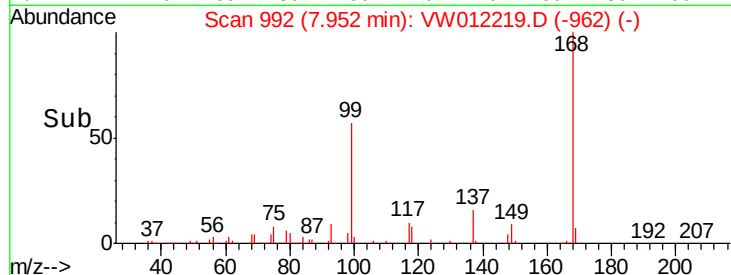
121 0.0 23.8 35.8#



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: 50.167 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012219.D

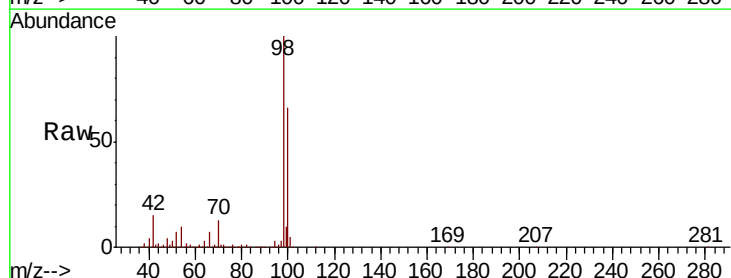
Acq: 27 Aug 2019 18:10

Tgt Ion: 98 Resp: 365345

Ion Ratio Lower Upper

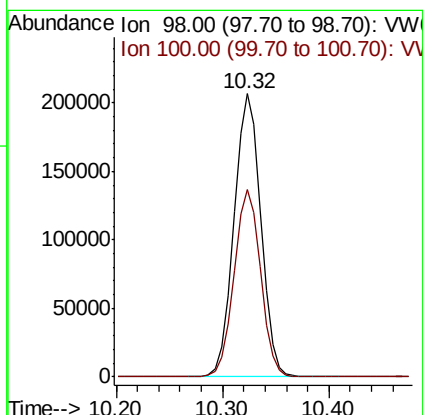
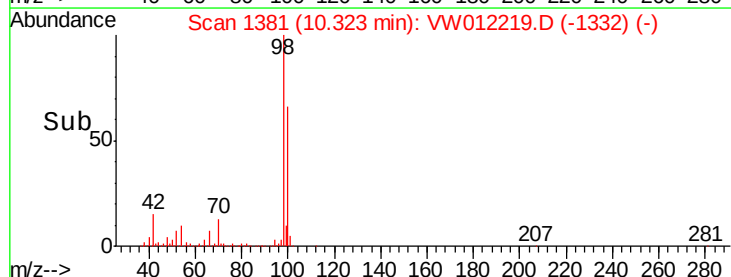
98 100

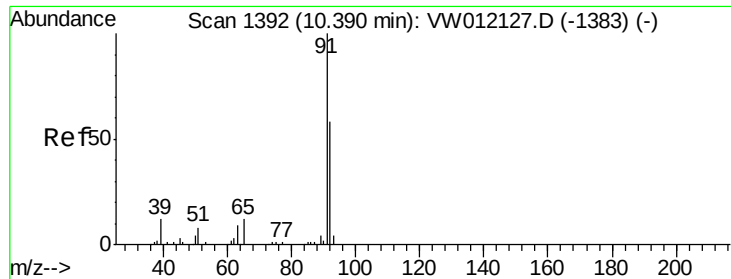
100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.167 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012219.D

Acq: 27 Aug 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

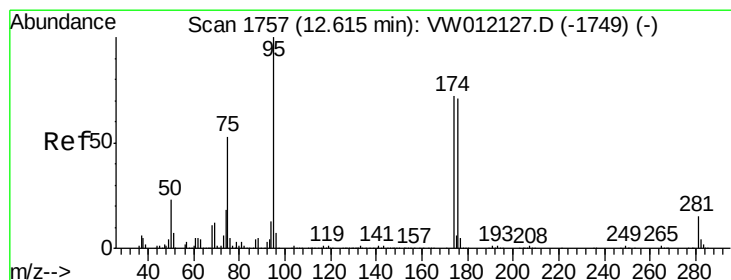
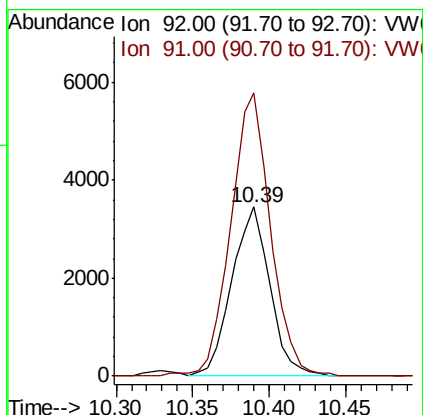
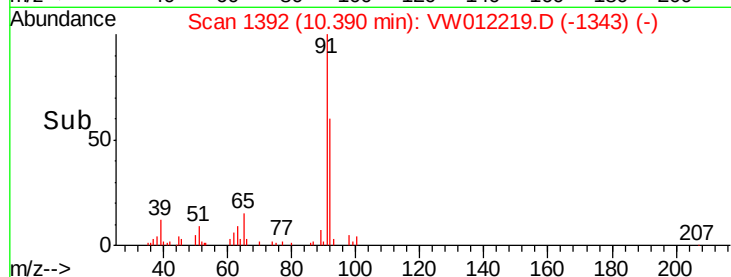
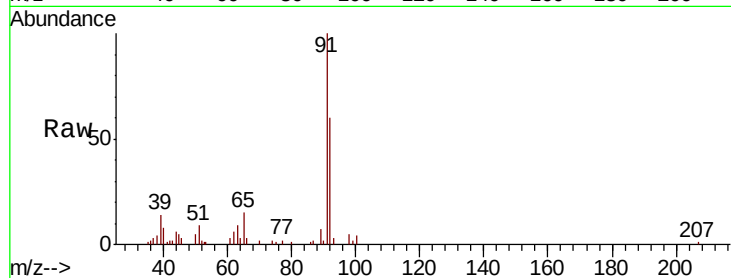
PX-15

Tgt Ion: 92 Resp: 5954

Ion Ratio Lower Upper

92 100

91 175.2 136.6 204.8



#62

4-Bromofluorobenzene

Concen: 45.632 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012219.D

Acq: 27 Aug 2019 18:10

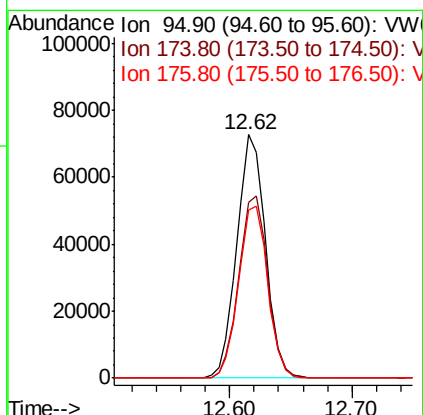
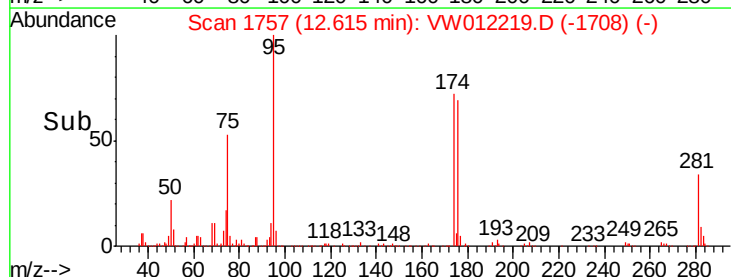
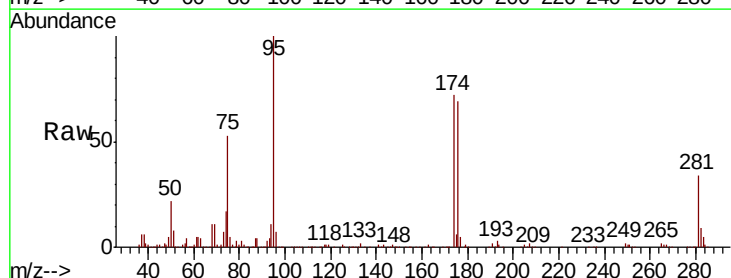
Tgt Ion: 95 Resp: 117142

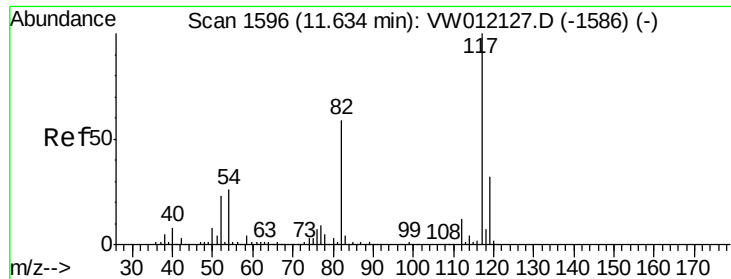
Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.8

176 72.5 0.0 148.6

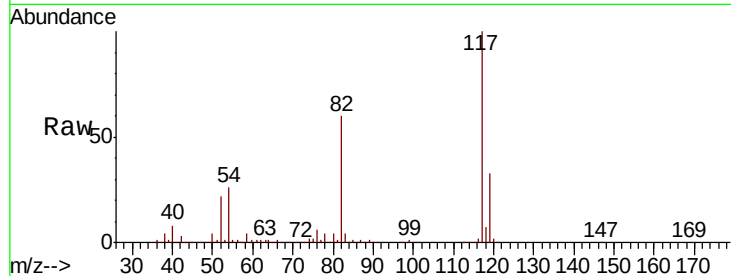




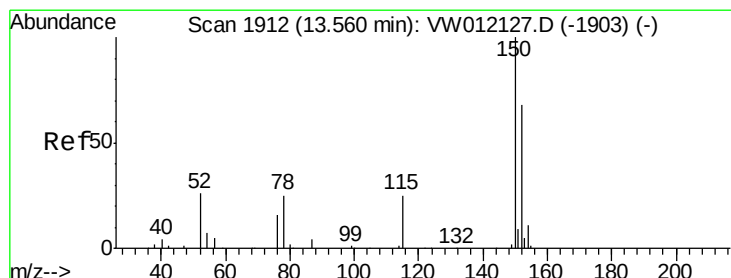
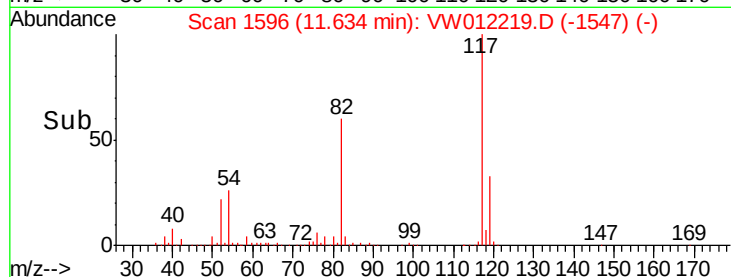
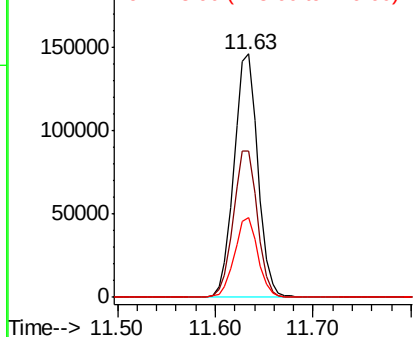
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012219.D
Acq: 27 Aug 2019 18:10

Instrument :
MSVOA_W
ClientSampleId :
PX-15

Tgt Ion:117 Resp: 247112
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 32.7 25.4 38.2

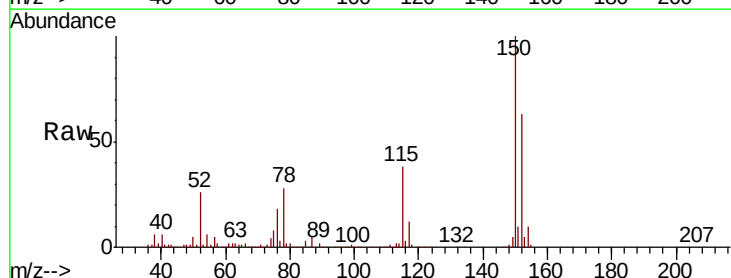


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

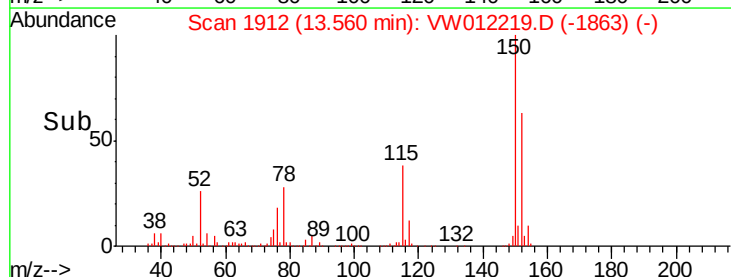
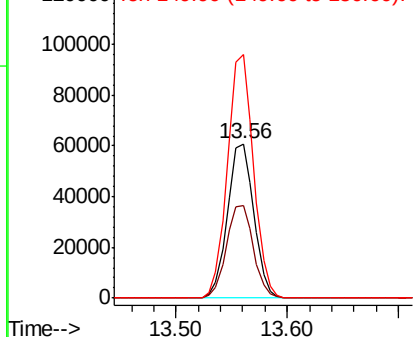


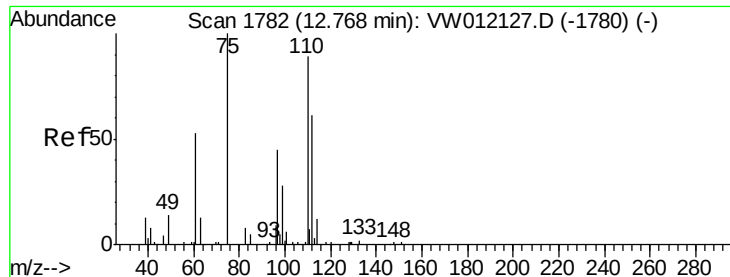
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012219.D
Acq: 27 Aug 2019 18:10

Tgt Ion:152 Resp: 99554
Ion Ratio Lower Upper
152 100
115 61.1 30.1 90.3
150 156.2 0.0 345.8



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: 64.219 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012219.D

Acq: 27 Aug 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

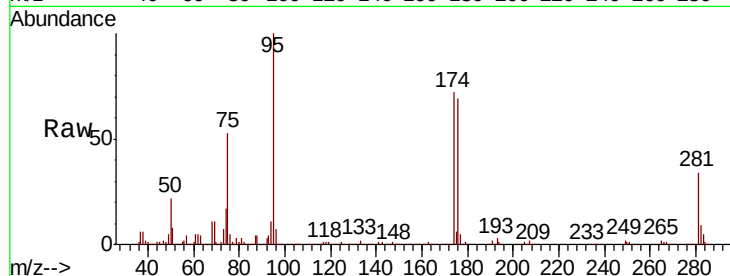
PX-15

Tgt Ion: 75 Resp: 62266

Ion Ratio Lower Upper

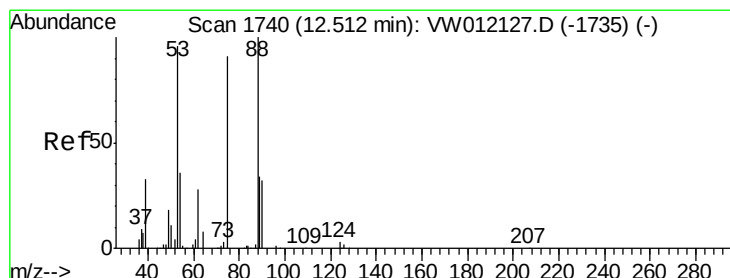
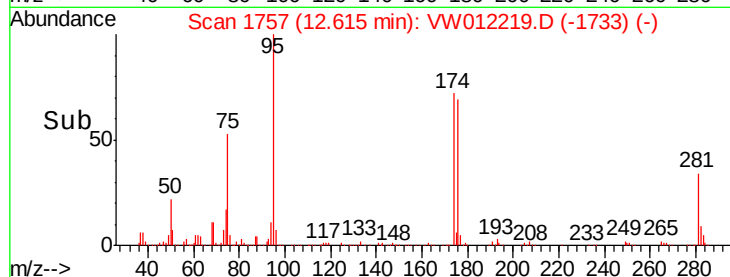
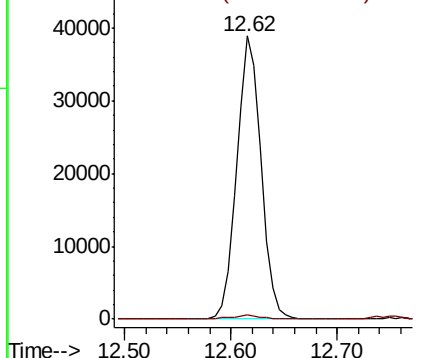
75 100

77 1.9 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: 140.803 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012219.D

Acq: 27 Aug 2019 18:10

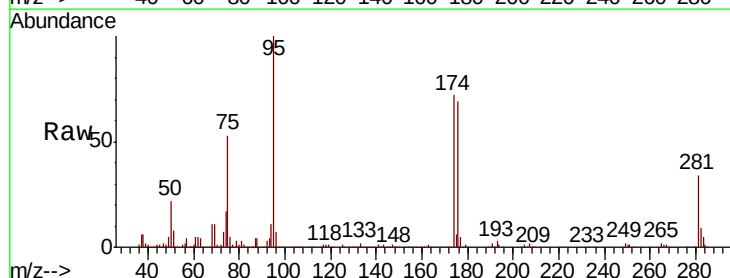
Tgt Ion: 75 Resp: 62266

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

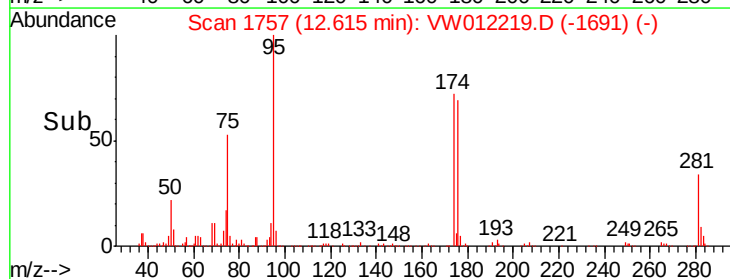
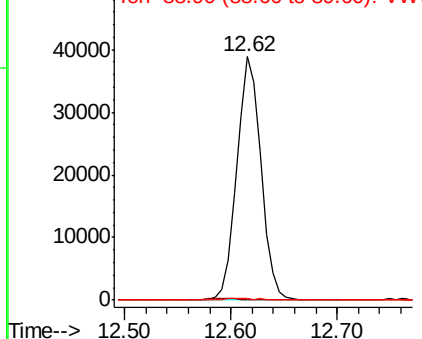
89 0.7 34.5 51.7#

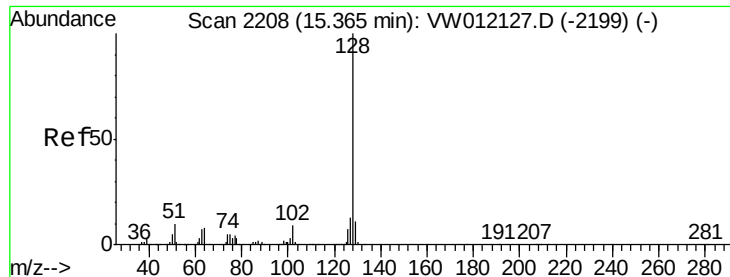


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

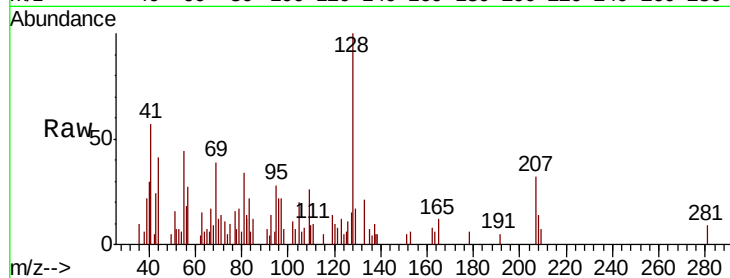




#95
Naphthalene
Concen: 5.020 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012219.D
Acq: 27 Aug 2019 18:10

Instrument :
MSVOA_W
ClientSampleId :
PX-15

Tgt Ion:128 Resp: 2872
Ion Ratio Lower Upper
128 100
127 16.2 10.7 16.1#
129 12.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

