

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012213.D
 Acq On : 27 Aug 2019 15:35
 Operator : SY/VA
 Sample : K4521-09
 Misc : 3.90G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-12

Quant Time: Aug 28 04:57:24 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	241562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	397876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	138910	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.31	65	145190	50.56	ug/l	0.00
Spiked Amount	50.000			Recovery	=	101.12%	
35) Dibromofluoromethane		7.88	113	118148	49.75	ug/l	0.00
Spiked Amount	50.000			Recovery	=	99.50%	
50) Toluene-d8		10.32	98	486696	50.54	ug/l	0.00
Spiked Amount	50.000			Recovery	=	101.08%	
62) 4-Bromofluorobenzene		12.62	95	161058	47.45	ug/l	0.00
Spiked Amount	50.000			Recovery	=	94.90%	

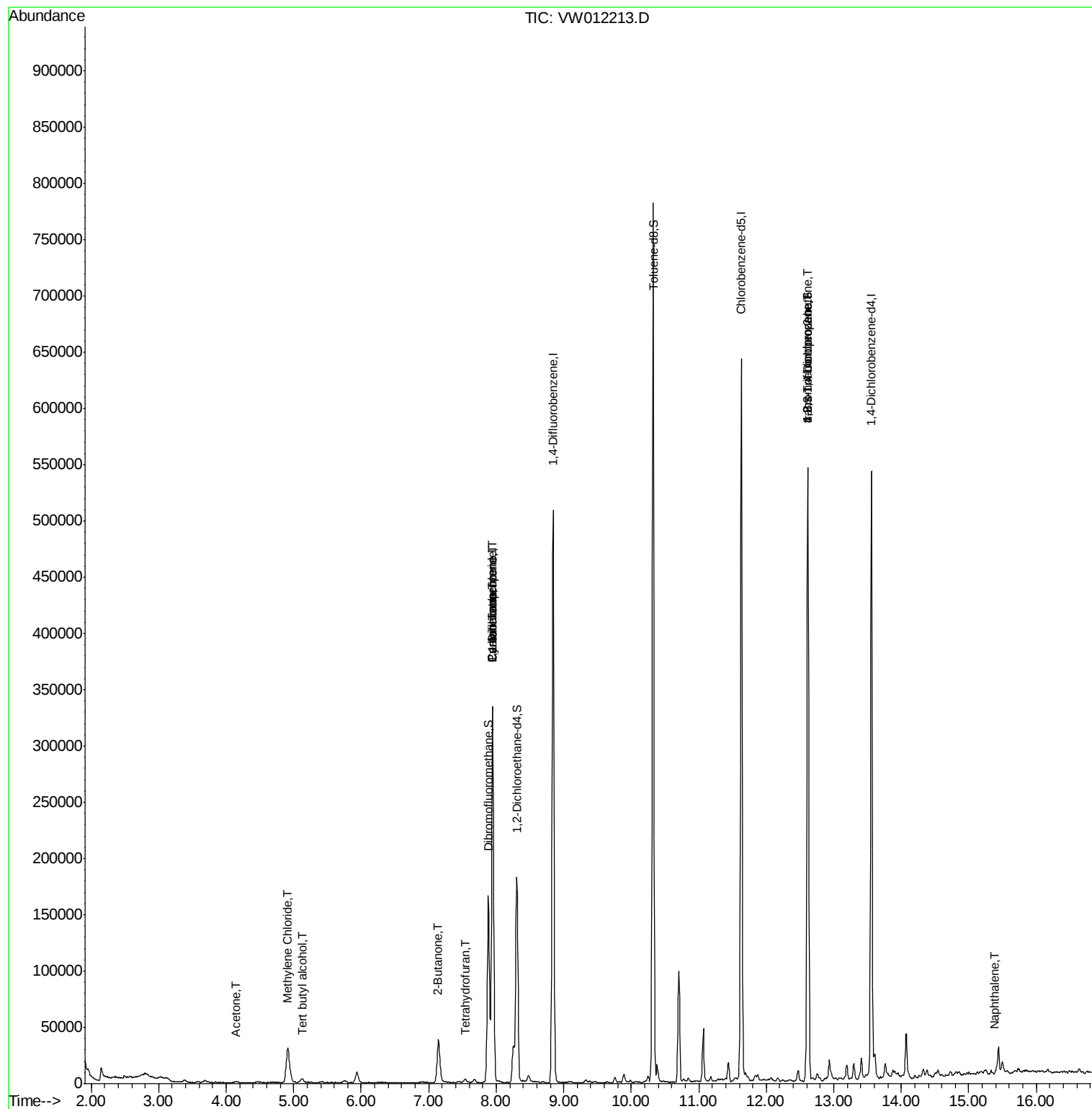
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	3325	19.241	ug/l #	71
16) Acetone	4.14	43	2226	3.033	ug/l	94
20) Methylene Chloride	4.91	84	23058	8.309	ug/l	93
25) 2-Butanone	7.14	43	2680	2.687	ug/l	96
29) Tetrahydrofuran	7.55	42	2669	4.460	ug/l	96
31) Cyclohexane	7.95	56	6204	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20754	5.048	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23540	6.615	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	84313	62.321	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84313	136.641	ug/l #	6
95) Naphthalene	15.37	128	393	4.390	ug/l #	69

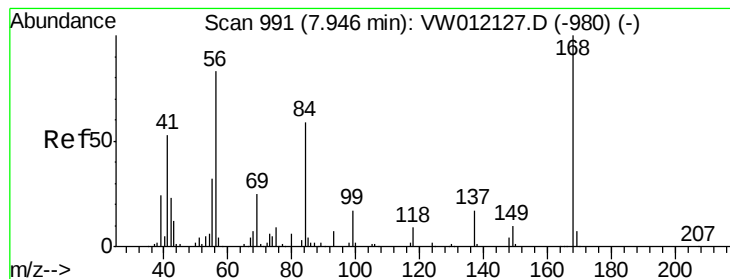
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012213.D

Acq: 27 Aug 2019 15:35

Instrument :

MSVOA_W

ClientSampled :

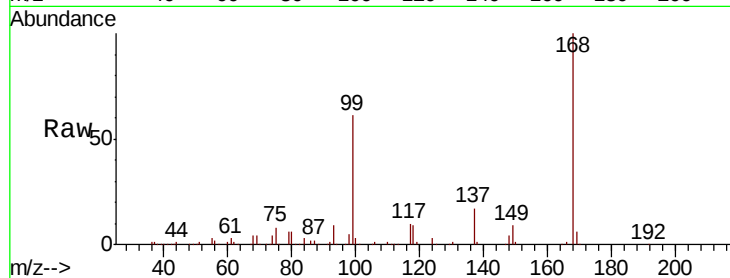
PX-12

Tgt Ion:168 Resp: 241562

Ion Ratio Lower Upper

168 100

99 60.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

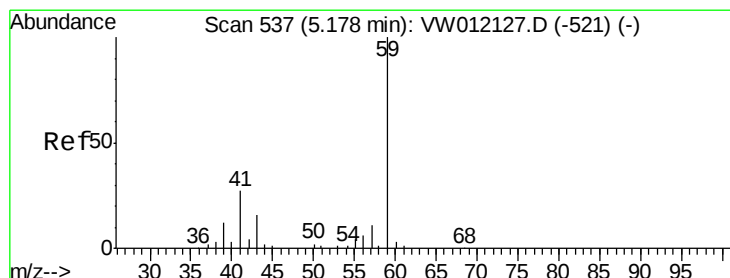
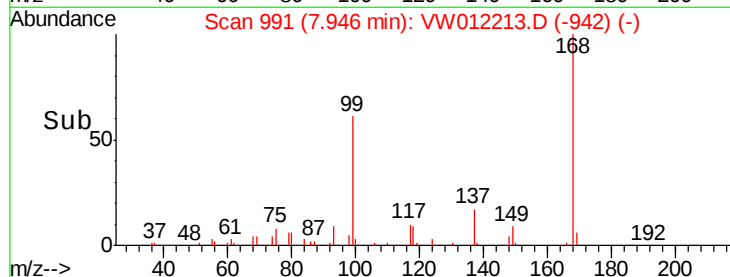
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 19.241 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW012213.D

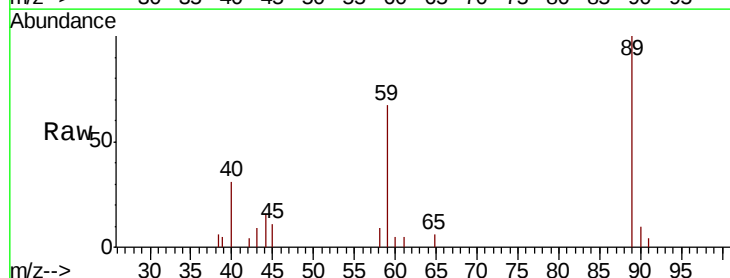
Acq: 27 Aug 2019 15:35

Tgt Ion: 59 Resp: 3325

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

1000

800

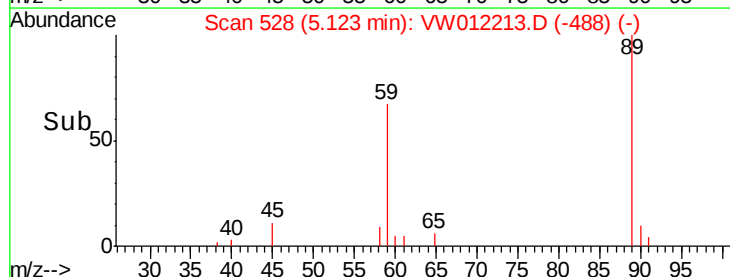
600

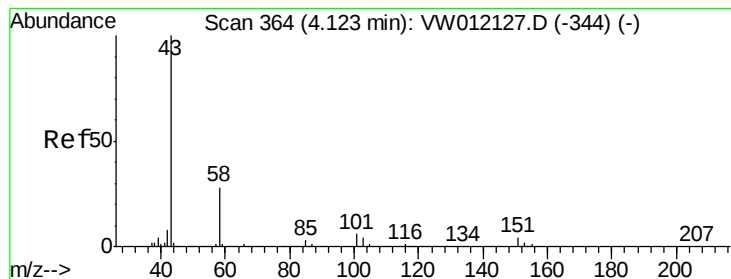
400

200

0

Time--> 5.00 5.05 5.10 5.15 5.20





#16

Acetone

Concen: 3.033 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012213.D

Acq: 27 Aug 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

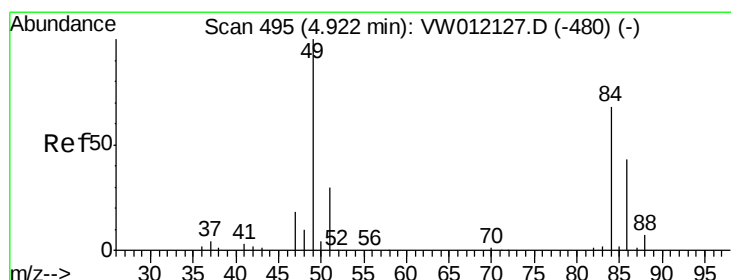
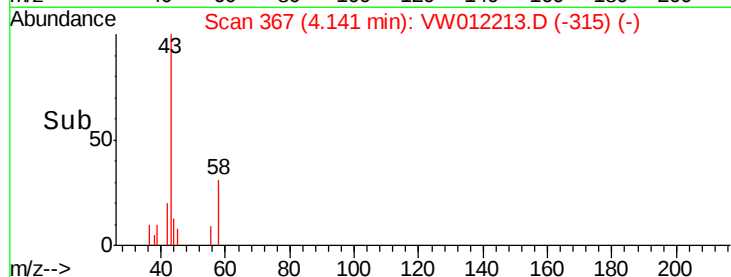
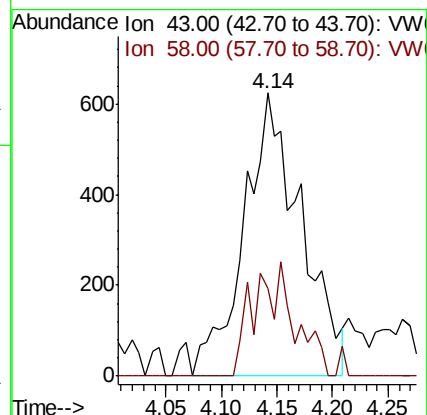
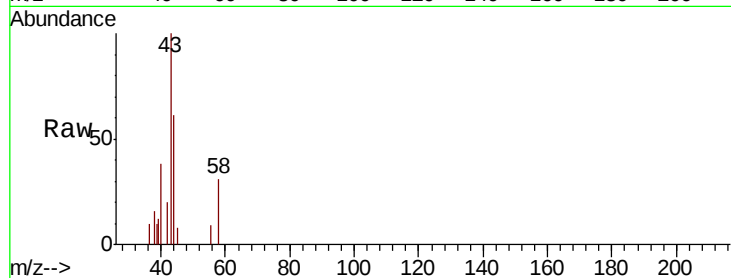
PX-12

Tgt Ion: 43 Resp: 2226

Ion Ratio Lower Upper

43 100

58 31.1 22.4 33.6



#20

Methylene Chloride

Concen: 8.309 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012213.D

Acq: 27 Aug 2019 15:35

Tgt Ion: 84 Resp: 23058

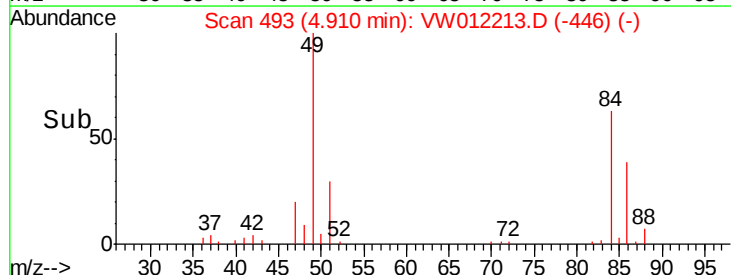
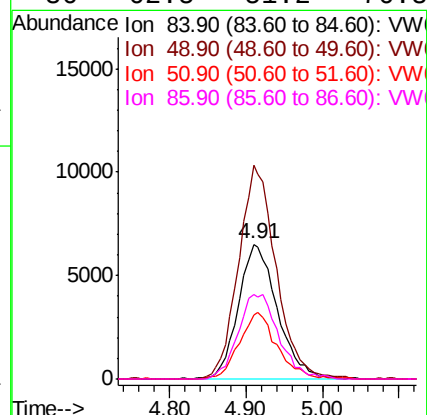
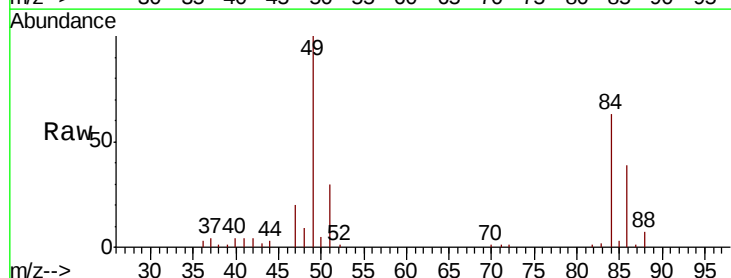
Ion Ratio Lower Upper

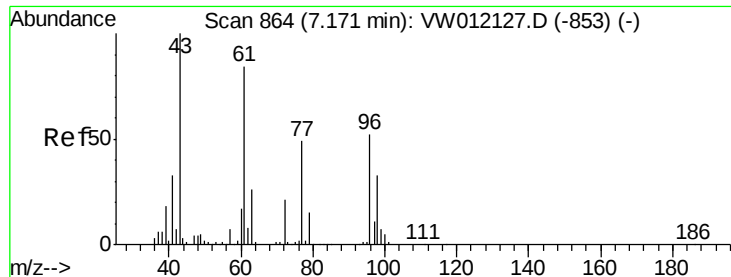
84 100

49 158.8 117.8 176.8

51 47.7 35.6 53.4

86 62.5 51.2 76.8





#25

2-Butanone

Concen: 2.687 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW012213.D

Acq: 27 Aug 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

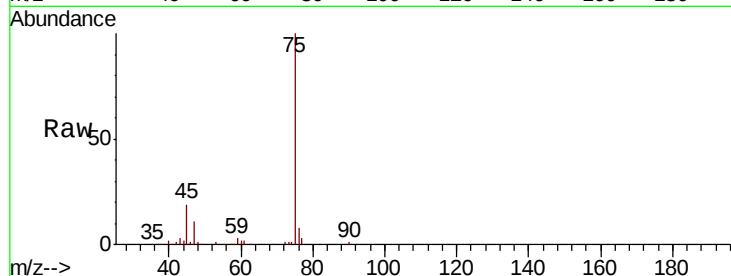
PX-12

Tgt Ion: 43 Resp: 2680

Ion Ratio Lower Upper

43 100

72 22.4 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.14

800

600

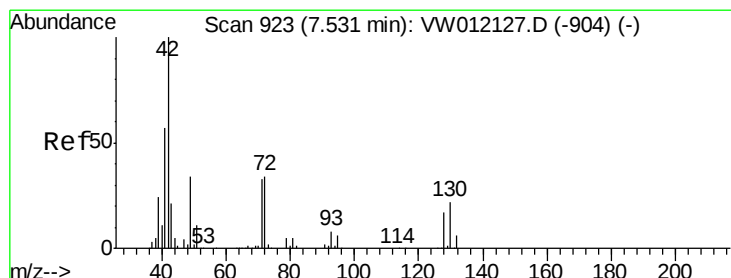
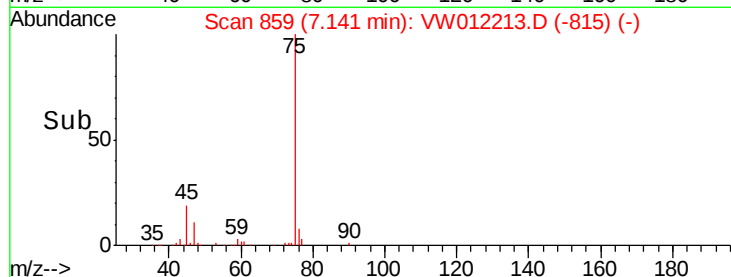
400

200

0

7.05 7.10 7.15 7.20 7.25

Time-->



#29

Tetrahydrofuran

Concen: 4.460 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW012213.D

Acq: 27 Aug 2019 15:35

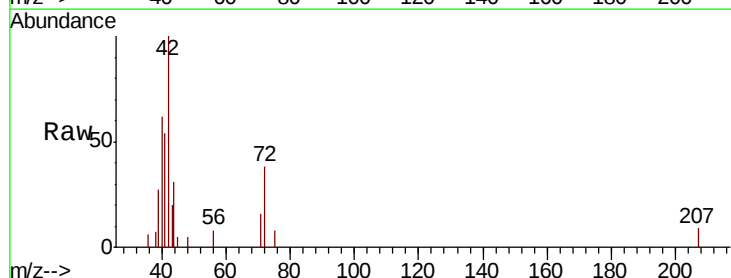
Tgt Ion: 42 Resp: 2669

Ion Ratio Lower Upper

42 100

72 35.8 27.3 40.9

71 28.7 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

1200

1000

800

600

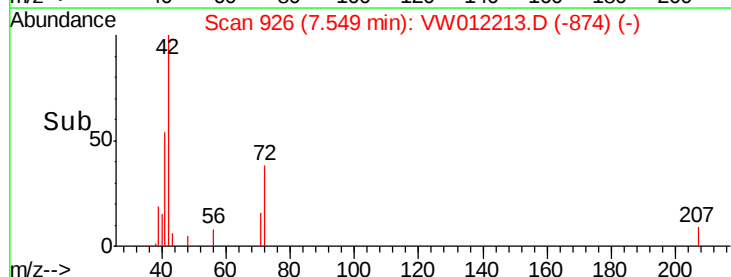
400

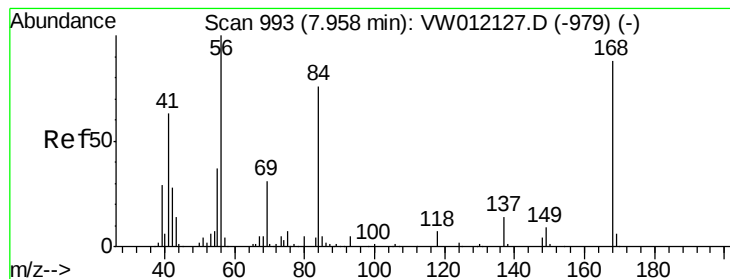
200

0

7.45 7.50 7.55 7.60

Time-->





#31

Cyclohexane

Concen: 1.199 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012213.D

Acq: 27 Aug 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

PX-12

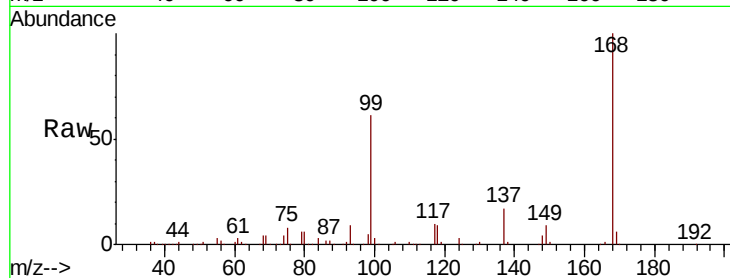
Tgt Ion: 56 Resp: 6204

Ion Ratio Lower Upper

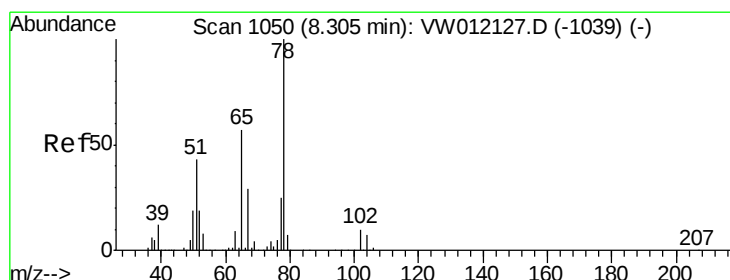
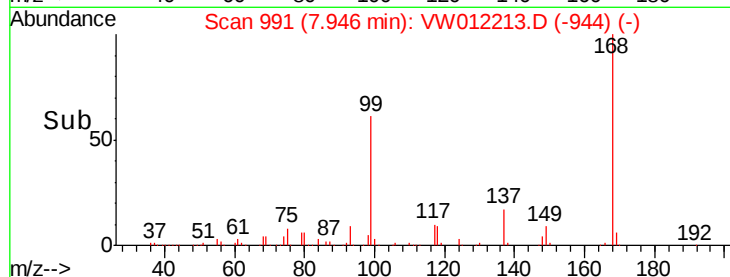
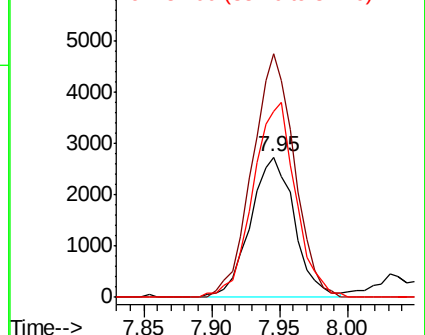
56 100

69 173.4 24.9 37.3#

84 132.7 60.6 90.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 50.561 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012213.D

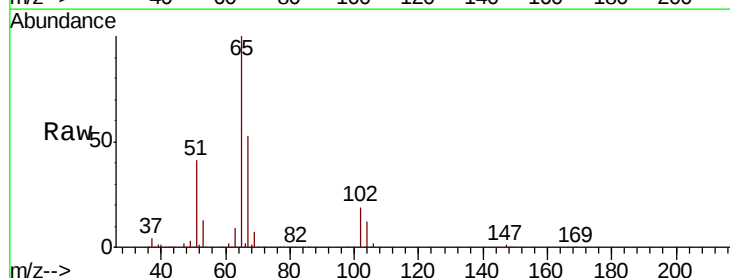
Acq: 27 Aug 2019 15:35

Tgt Ion: 65 Resp: 145190

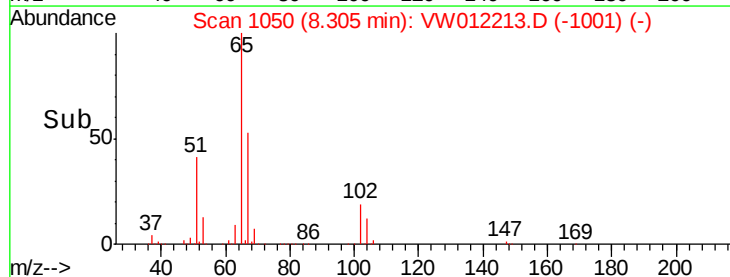
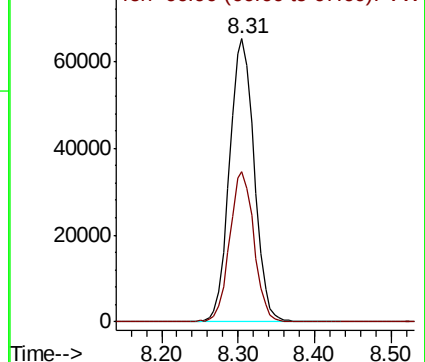
Ion Ratio Lower Upper

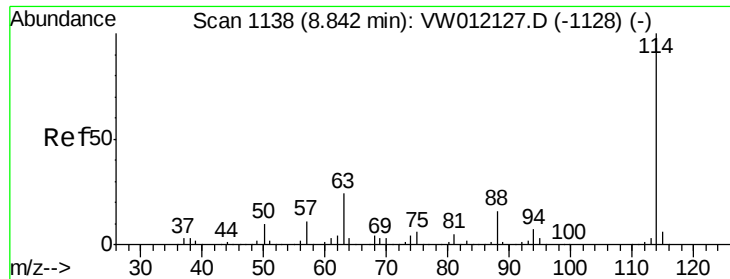
65 100

67 52.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

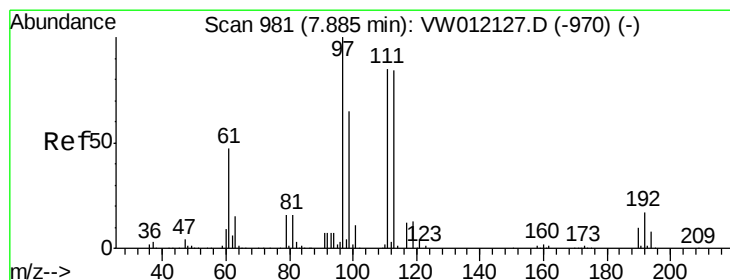
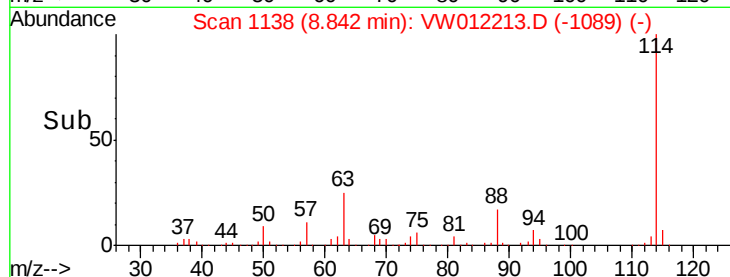
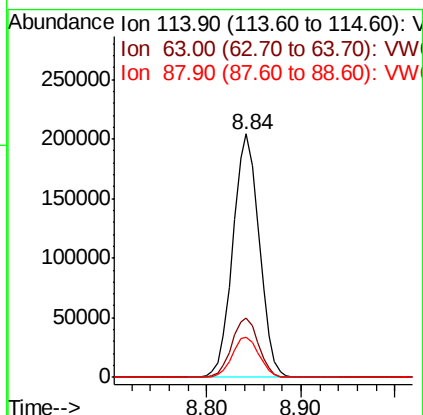
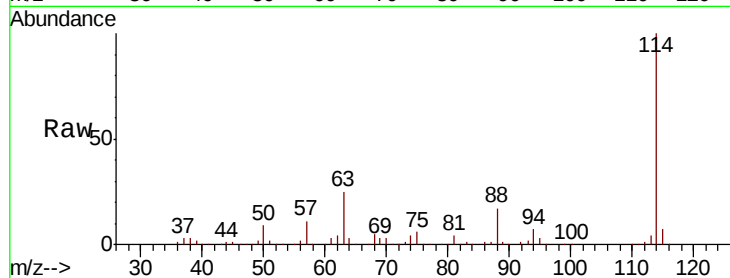




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012213.D
 Acq: 27 Aug 2019 15:35

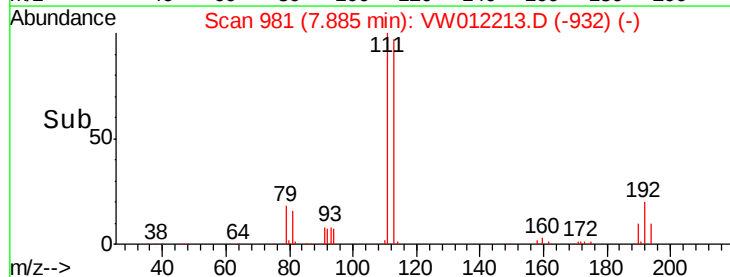
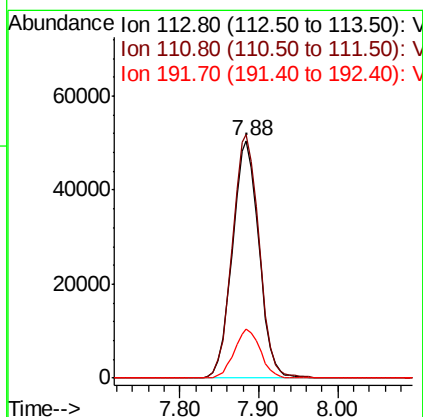
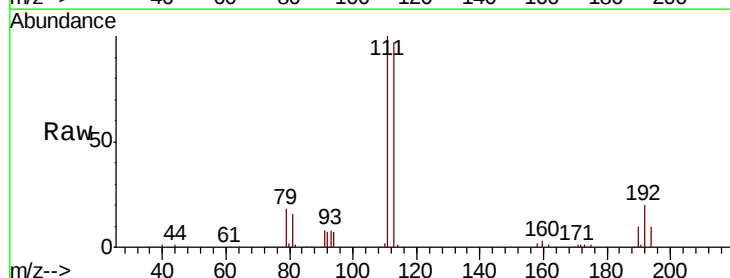
Instrument :
 MSVOA_W
 ClientSampled :
 PX-12

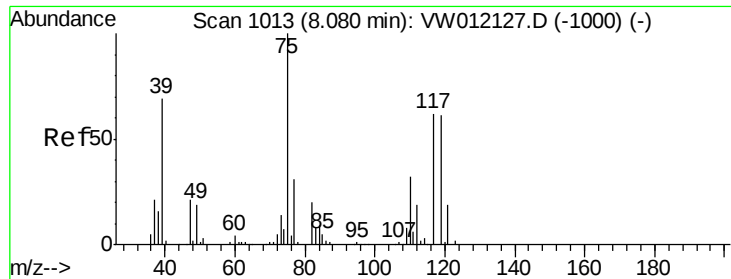
Tgt Ion:114 Resp: 397876
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 16.6 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 49.748 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012213.D
 Acq: 27 Aug 2019 15:35

Tgt Ion:113 Resp: 118148
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.7 124.1
 192 20.4 16.2 24.2

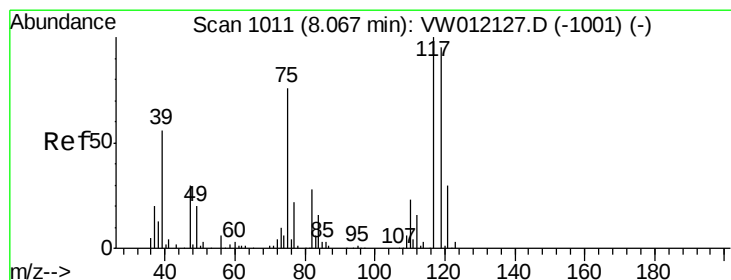
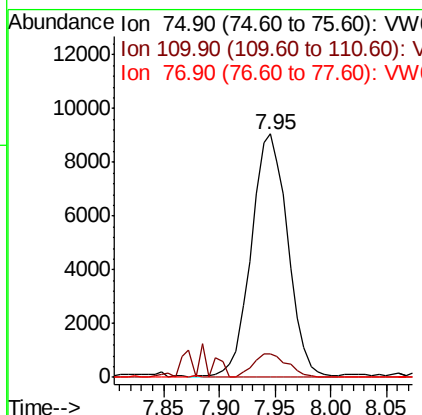
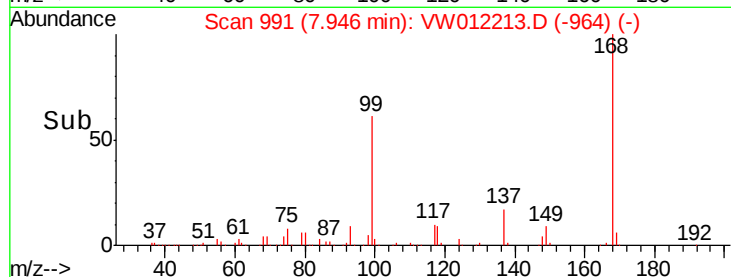
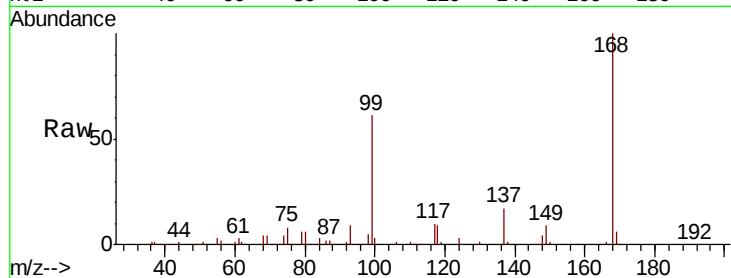




#36
 1,1-Dichloropropene
 Concen: 5.048 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012213.D
 Acq: 27 Aug 2019 15:35

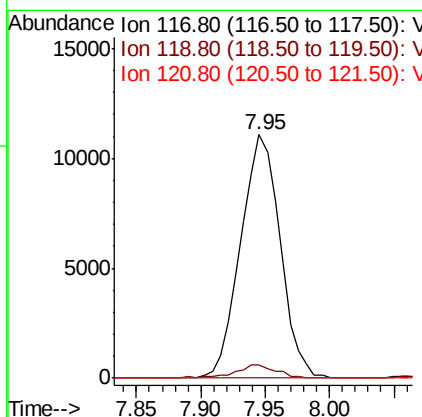
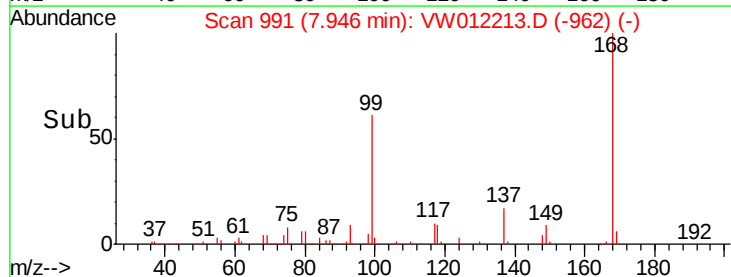
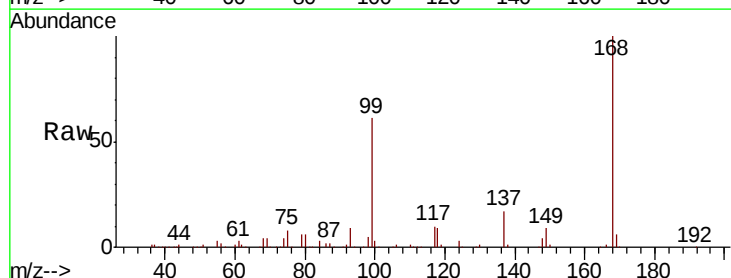
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 ClientSampleId :
 PX-12

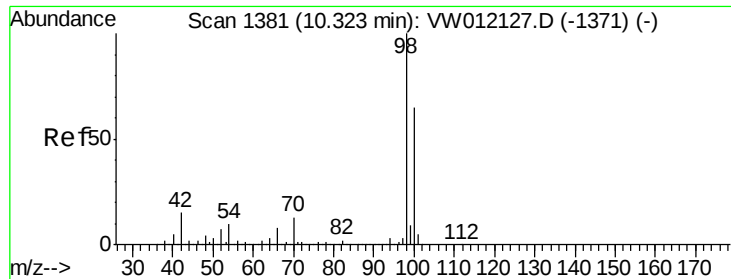
Tgt Ion: 75 Resp: 20754
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.615 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012213.D
 Acq: 27 Aug 2019 15:35

Tgt Ion: 117 Resp: 23540
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.2 114.2#
 121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 50.541 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012213.D

Acq: 27 Aug 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

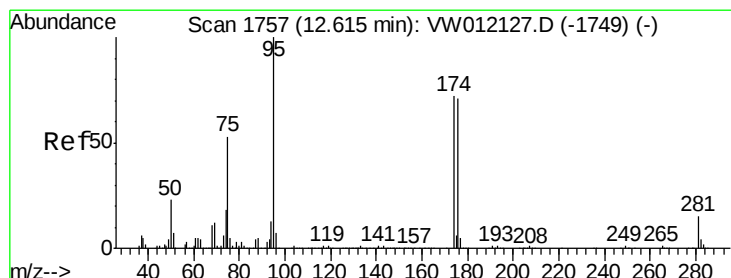
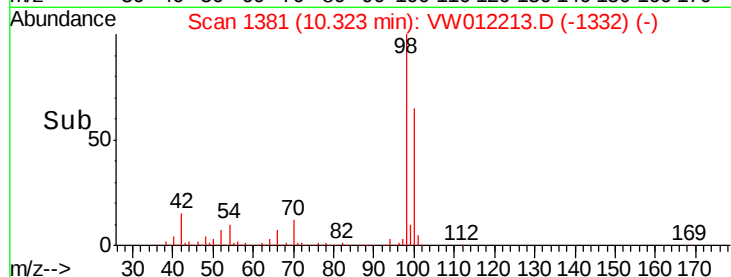
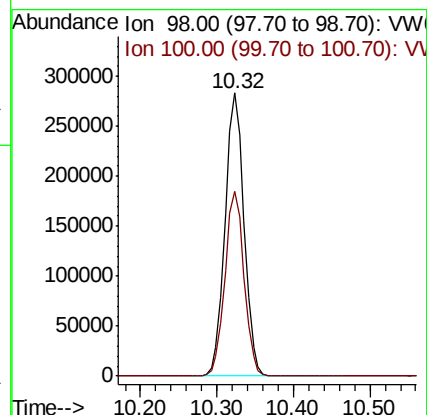
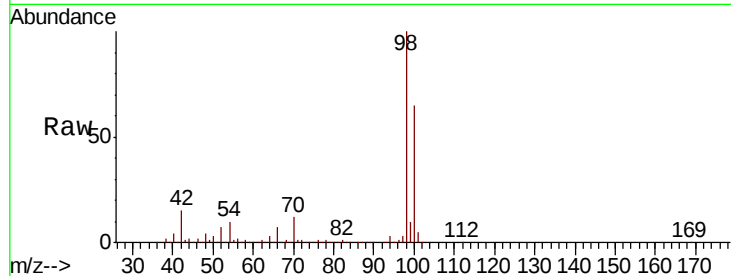
PX-12

Tgt Ion: 98 Resp: 486696

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 47.447 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012213.D

Acq: 27 Aug 2019 15:35

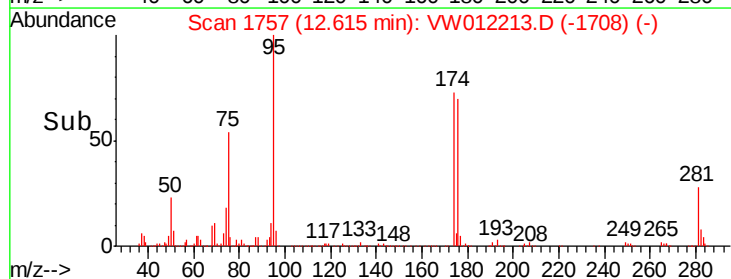
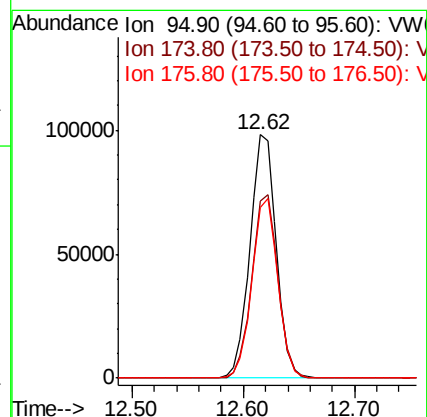
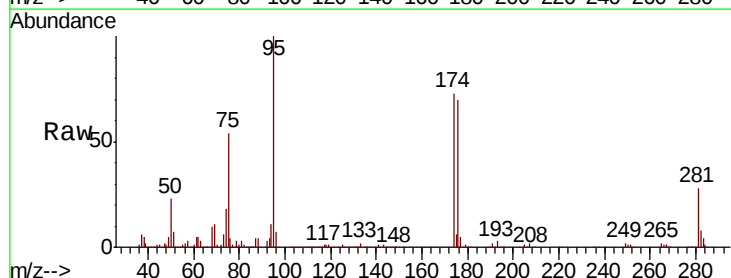
Tgt Ion: 95 Resp: 161058

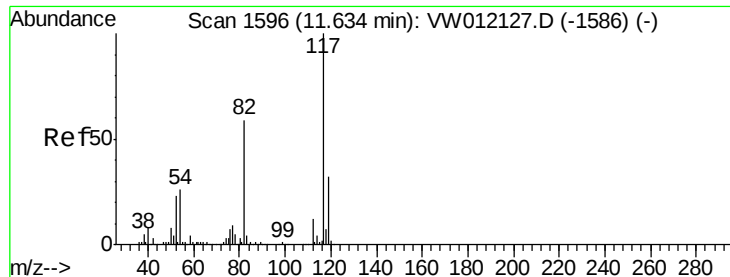
Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.8

176 72.7 0.0 148.6

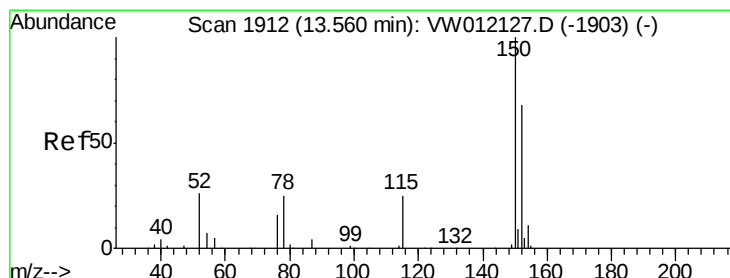
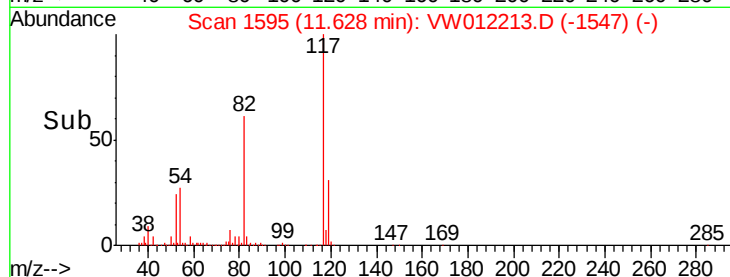
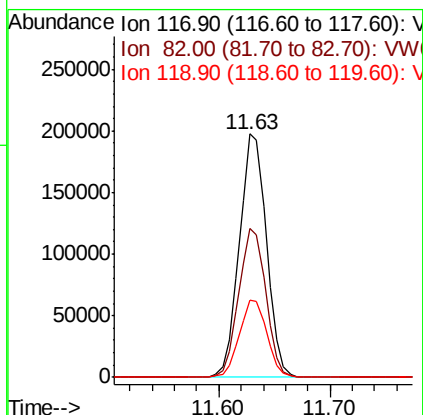
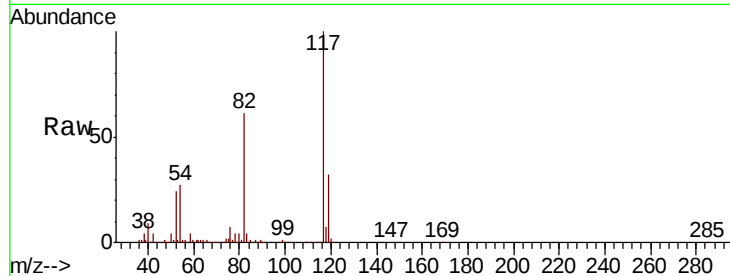




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012213.D
Acq: 27 Aug 2019 15:35

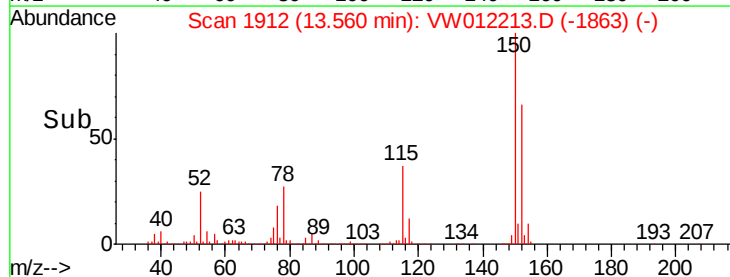
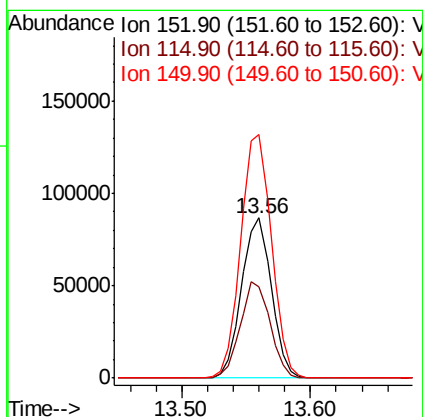
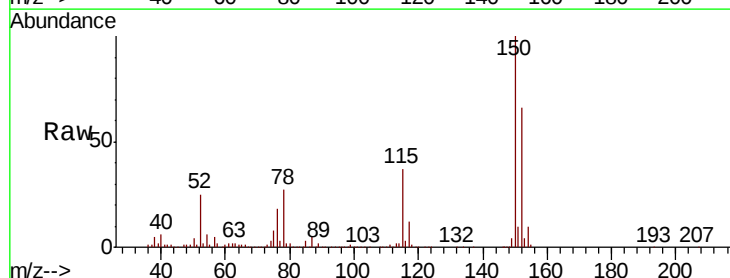
Instrument :
MSVOA_W
ClientSampled :
PX-12

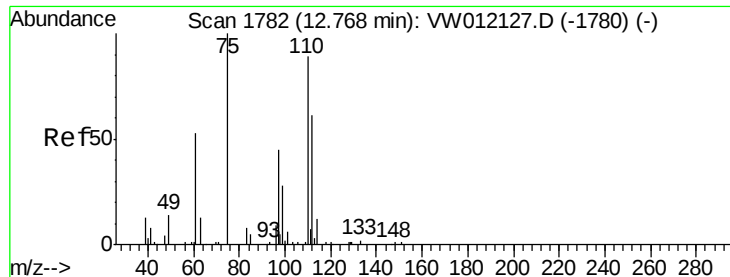
Tgt Ion:117 Resp: 333246
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 31.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012213.D
Acq: 27 Aug 2019 15:35

Tgt Ion:152 Resp: 138910
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.3
150 156.8 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 62.321 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012213.D

Acq: 27 Aug 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

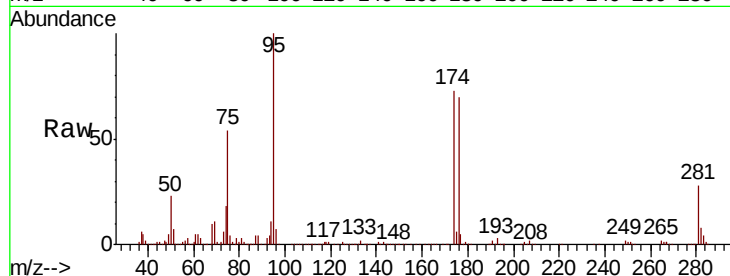
PX-12

Tgt Ion: 75 Resp: 84313

Ion Ratio Lower Upper

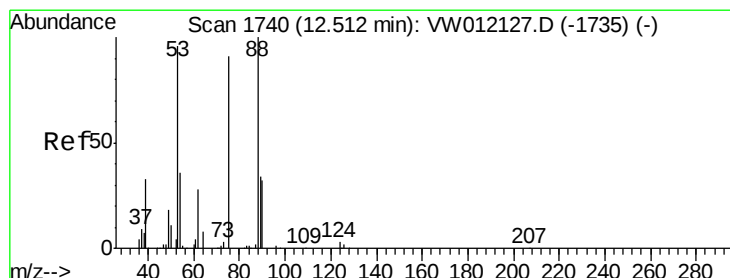
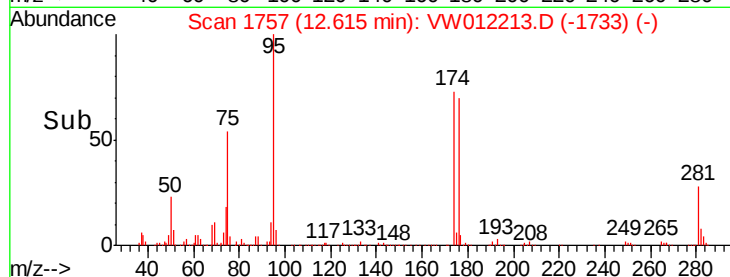
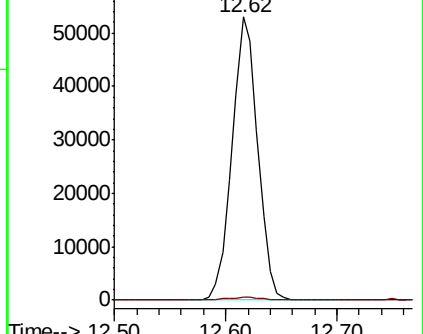
75 100

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: 136.641 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012213.D

Acq: 27 Aug 2019 15:35

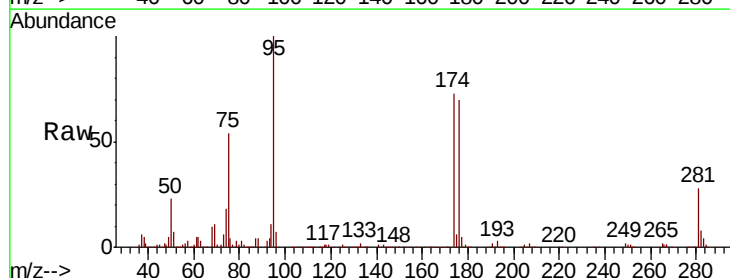
Tgt Ion: 75 Resp: 84313

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

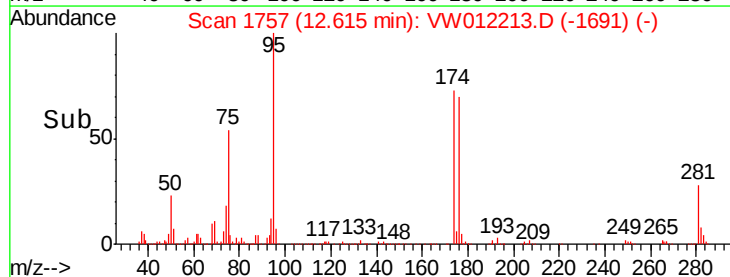
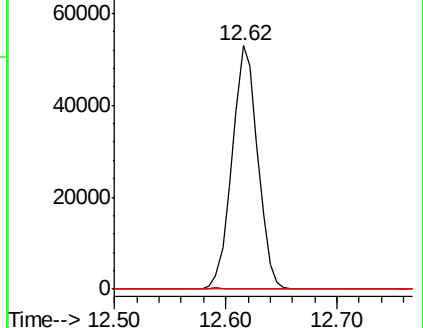
89 0.1 34.5 51.7#

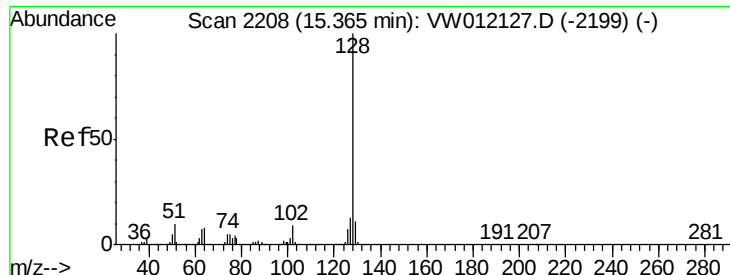


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 4.390 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012213.D
Acq: 27 Aug 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
PX-12

Tgt Ion:128 Resp: 393
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

