

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012214.D
 Acq On : 27 Aug 2019 16:01
 Operator : SY/VA
 Sample : K4521-10
 Misc : 4.30G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-13

Quant Time: Aug 28 04:57:36 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	255426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	153199	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	154858	51.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.00%	
35) Dibromofluoromethane	7.88	113	123845	48.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.66%	
50) Toluene-d8	10.32	98	524723	51.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.62	95	173768	47.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.88%	

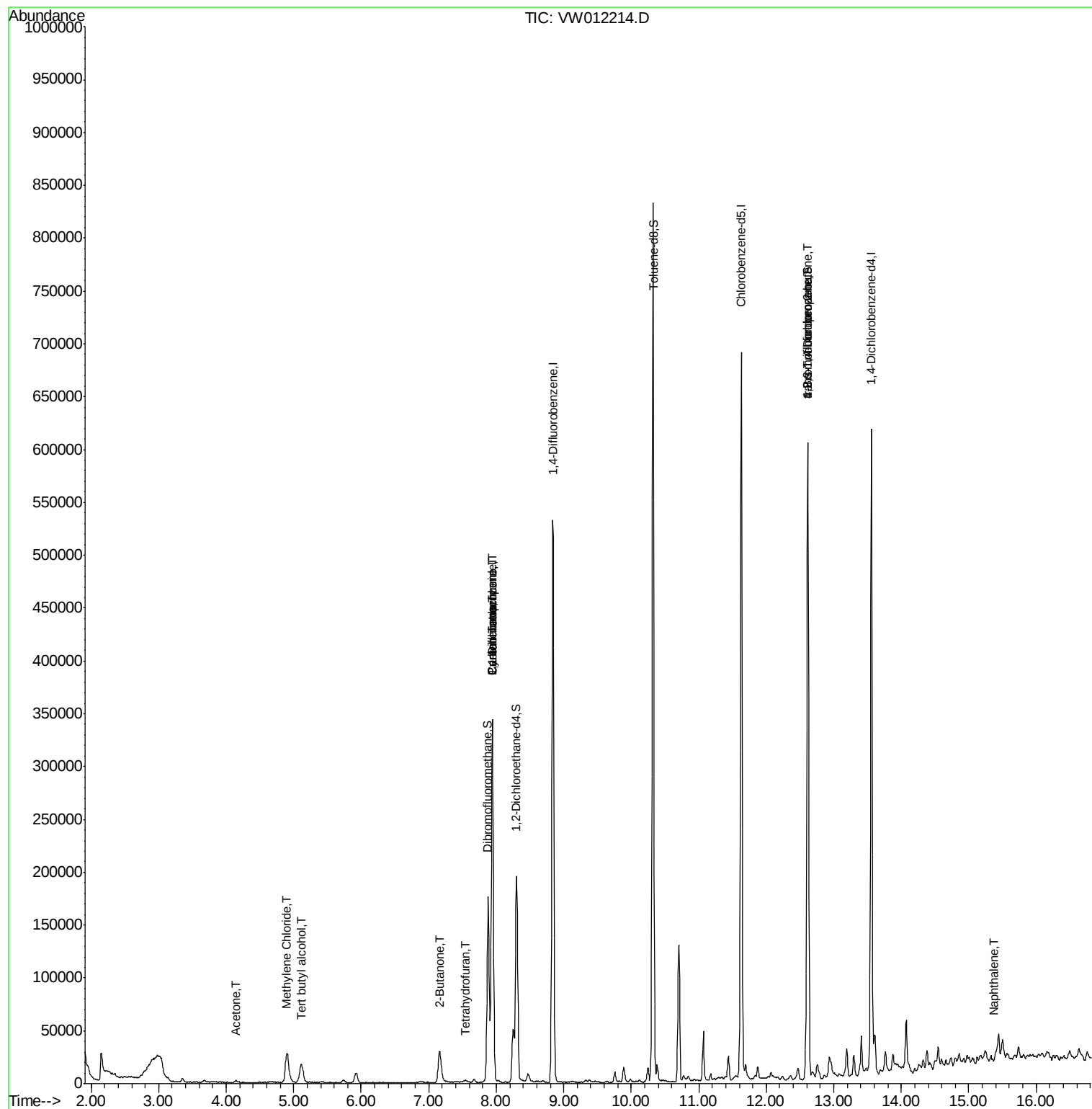
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	17959	98.282	ug/l #	74
16) Acetone	4.15	43	3589	4.624	ug/l	99
20) Methylene Chloride	4.90	84	21376	7.285	ug/l	97
25) 2-Butanone	7.17	43	2358	2.236	ug/l	95
29) Tetrahydrofuran	7.55	42	2136	3.376	ug/l	93
31) Cyclohexane	7.94	56	6470	1.183	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	21929	4.995	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25598	6.736	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	92993	62.326	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	92993	136.651	ug/l #	6
95) Naphthalene	15.36	128	467	4.395	ug/l #	83

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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: VW012214.D

Acq: 27 Aug 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

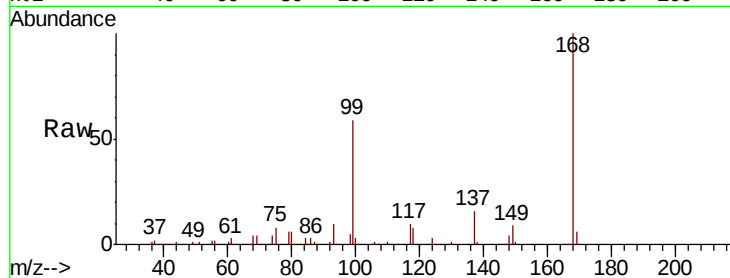
PX-13

Tgt Ion:168 Resp: 255426

Ion Ratio Lower Upper

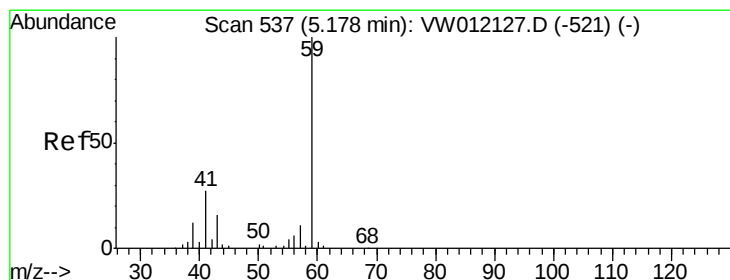
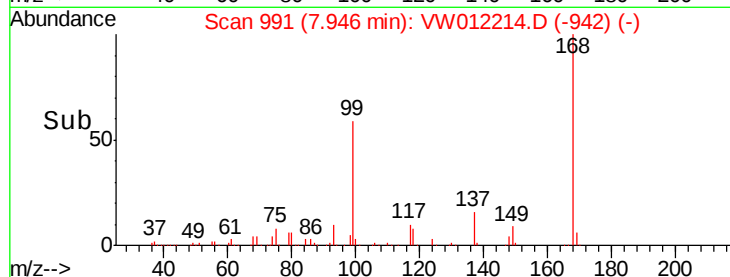
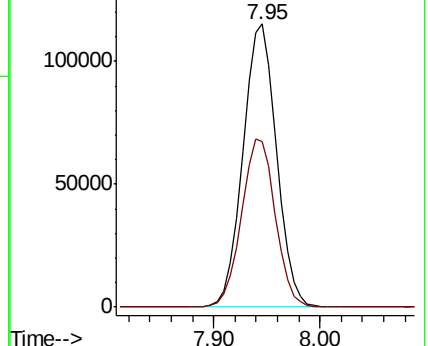
168 100

99 58.6 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: 98.282 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.06 min

Lab File: VW012214.D

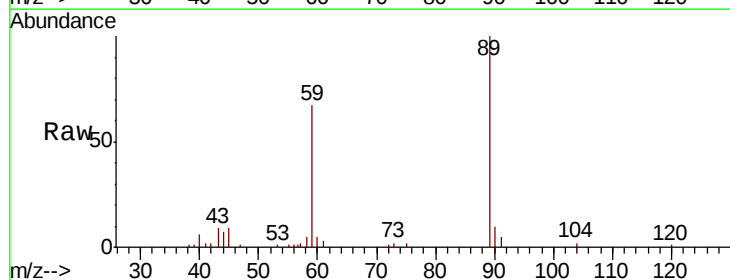
Acq: 27 Aug 2019 16:01

Tgt Ion: 59 Resp: 17959

Ion Ratio Lower Upper

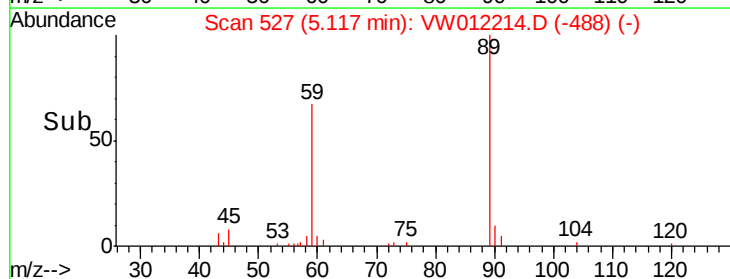
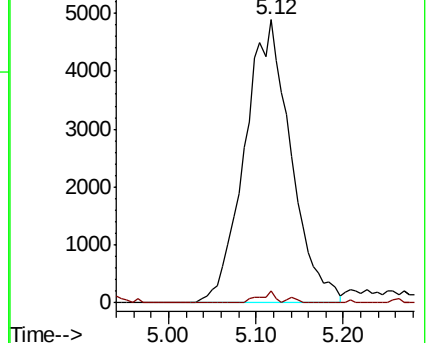
59 100

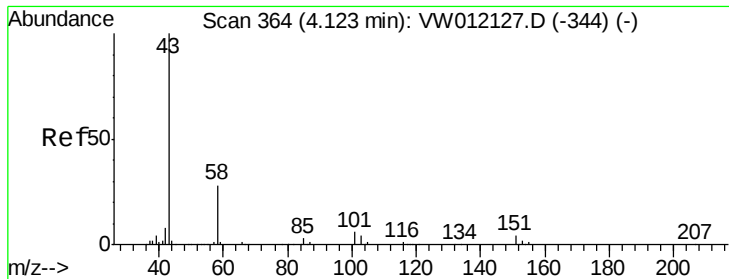
57 1.3 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 4.624 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW012214.D

Acq: 27 Aug 2019 16:01

Instrument :

MSVOA_W

ClientSampled :

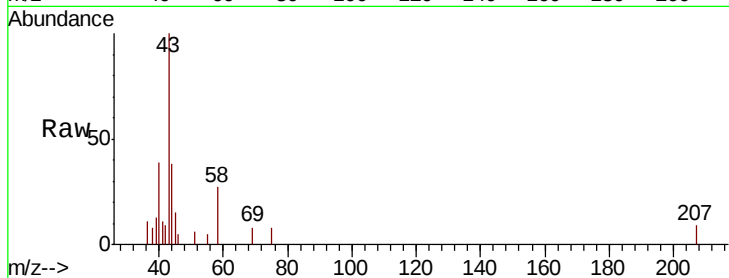
PX-13

Tgt Ion: 43 Resp: 3589

Ion Ratio Lower Upper

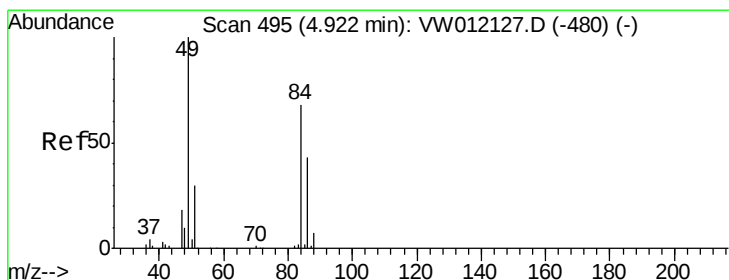
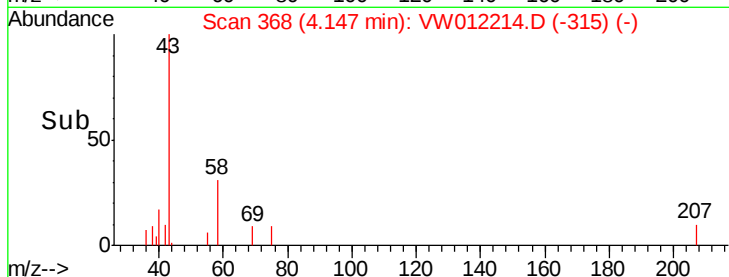
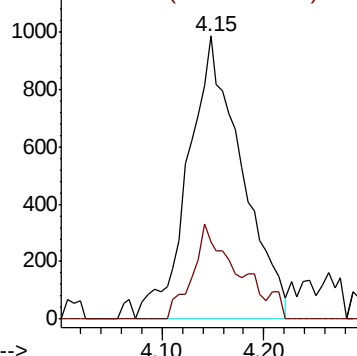
43 100

58 27.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 7.285 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.02 min

Lab File: VW012214.D

Acq: 27 Aug 2019 16:01

Tgt Ion: 84 Resp: 21376

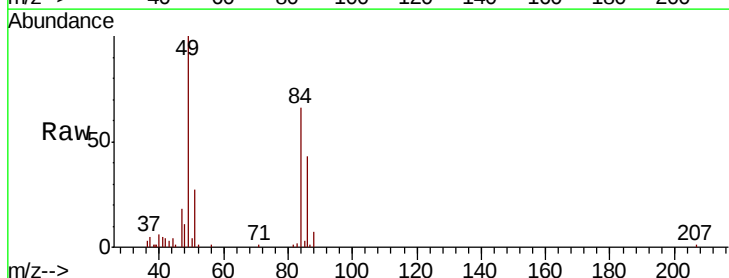
Ion Ratio Lower Upper

84 100

49 150.6 117.8 176.8

51 41.6 35.6 53.4

86 65.0 51.2 76.8

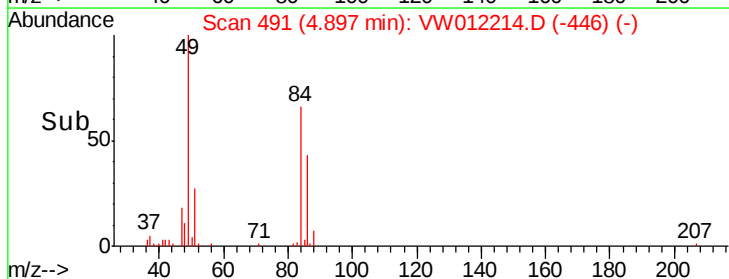
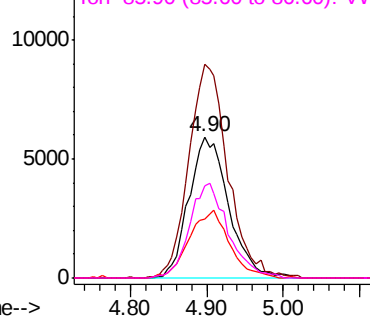


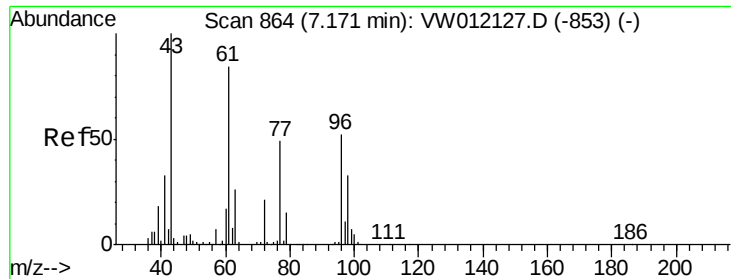
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#25

2-Butanone

Concen: 2.236 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012214.D

Acq: 27 Aug 2019 16:01

Instrument :

MSVOA_W

ClientSampled :

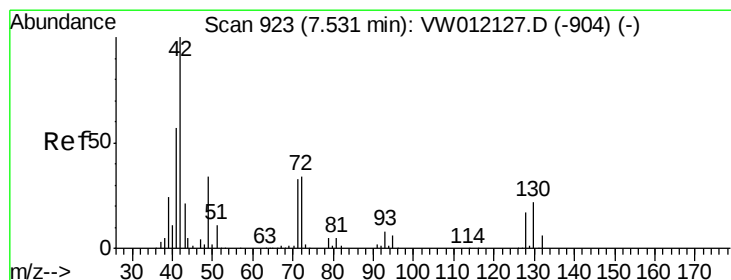
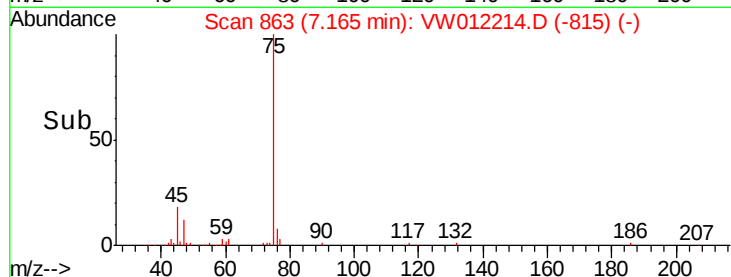
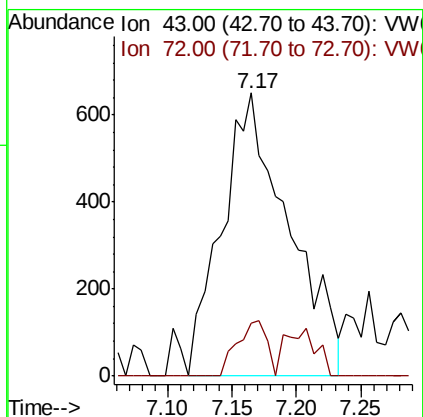
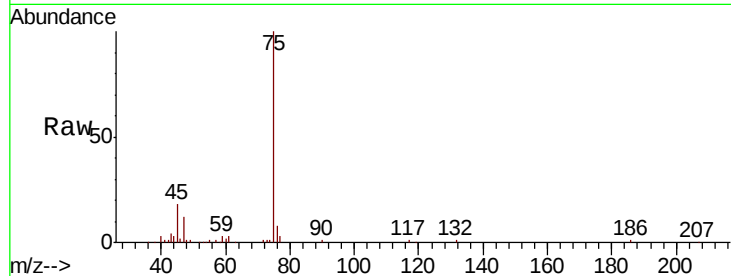
PX-13

Tgt Ion: 43 Resp: 2358

Ion Ratio Lower Upper

43 100

72 18.6 16.6 24.8



#29

Tetrahydrofuran

Concen: 3.376 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW012214.D

Acq: 27 Aug 2019 16:01

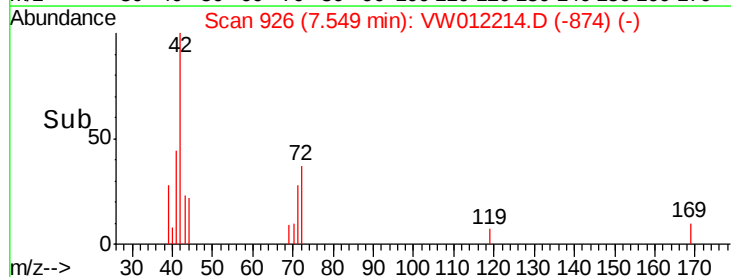
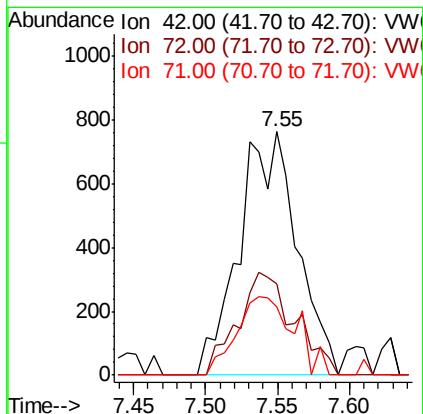
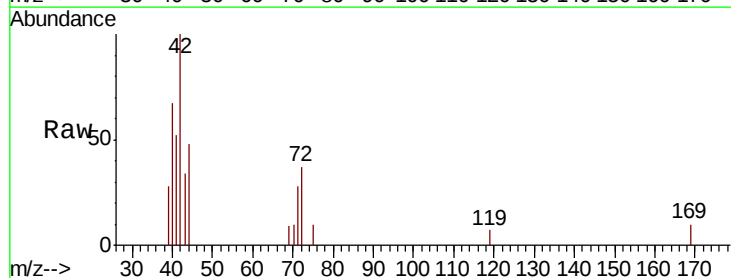
Tgt Ion: 42 Resp: 2136

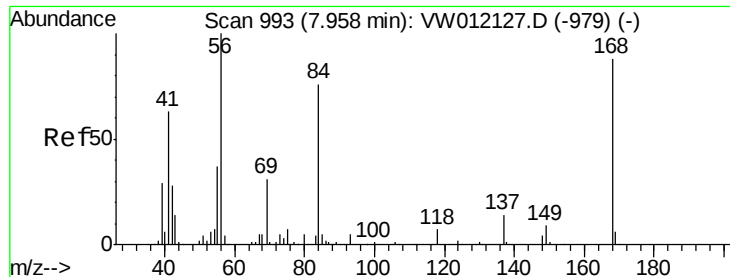
Ion Ratio Lower Upper

42 100

72 40.9 27.3 40.9

71 32.4 25.5 38.3

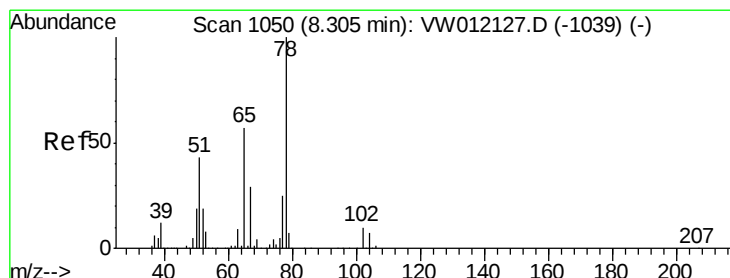
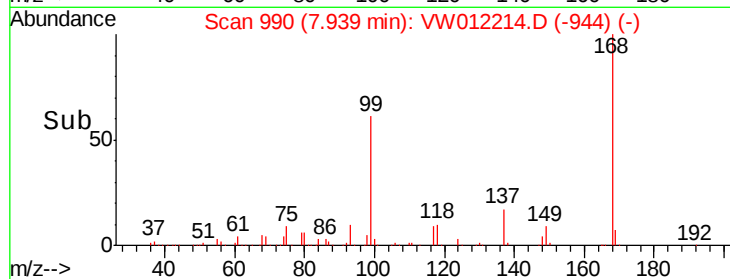
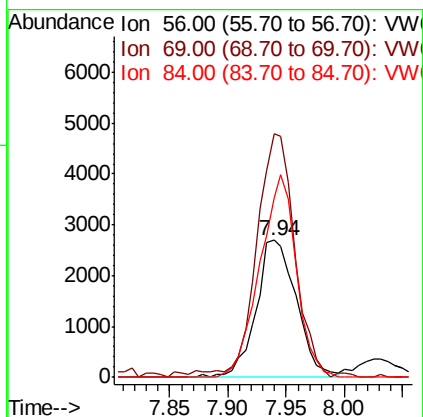
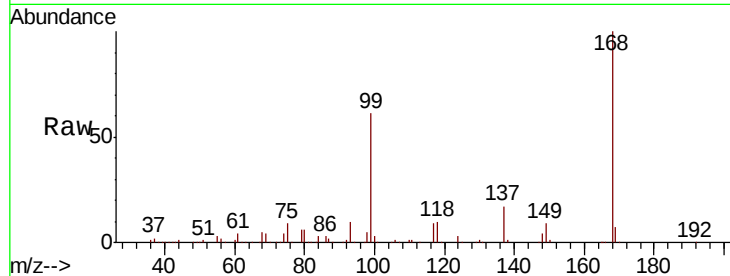




#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012214.D
Acq: 27 Aug 2019 16:01

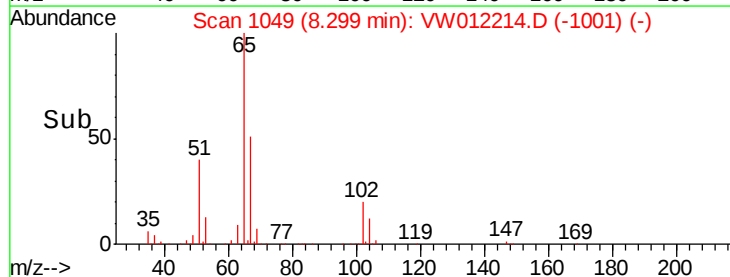
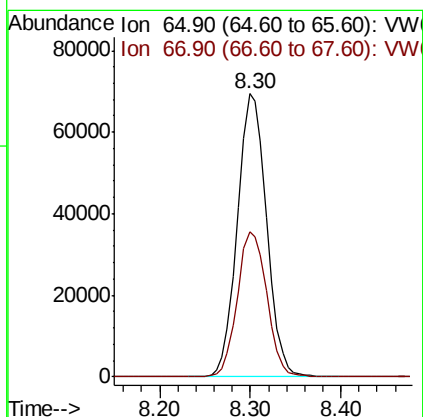
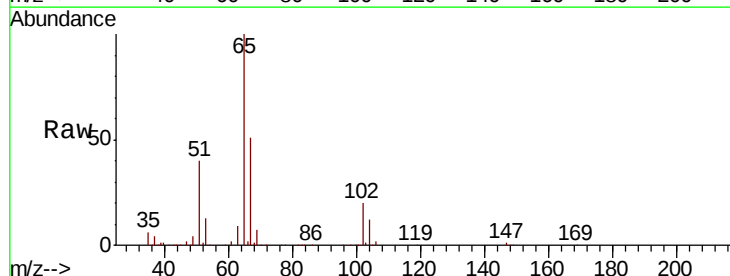
Instrument :
MSVOA_W
ClientSampled :
PX-13

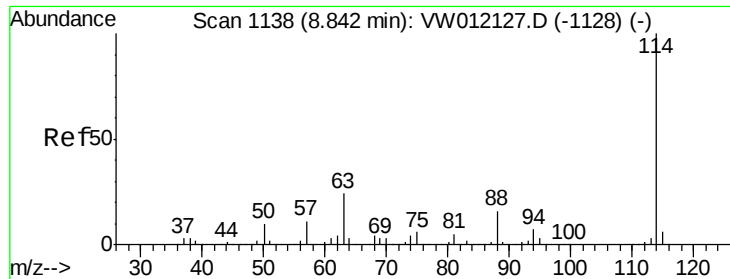
Tgt Ion: 56 Resp: 6470
Ion Ratio Lower Upper
56 100
69 175.0 24.9 37.3#
84 130.7 60.6 90.8#



#33
1,2-Dichloroethane-d4
Concen: 51.001 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW012214.D
Acq: 27 Aug 2019 16:01

Tgt Ion: 65 Resp: 154858
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.6

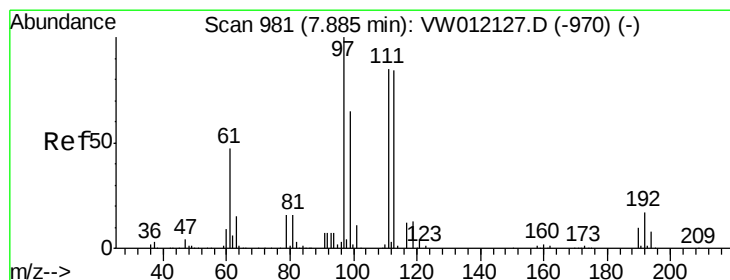
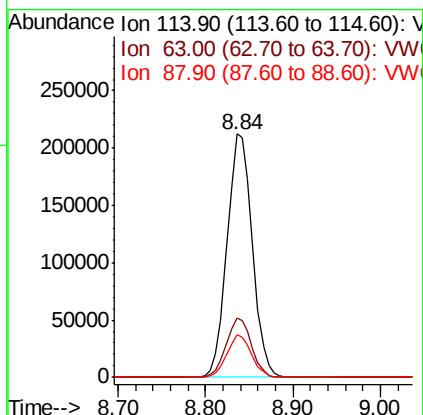
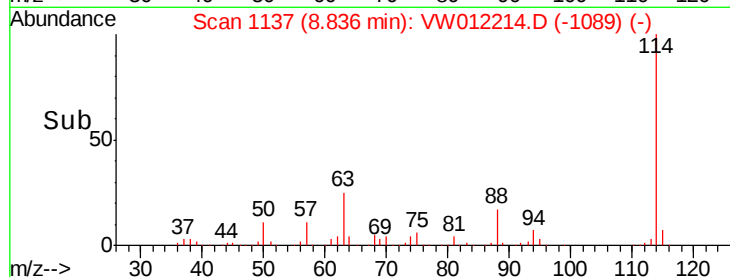
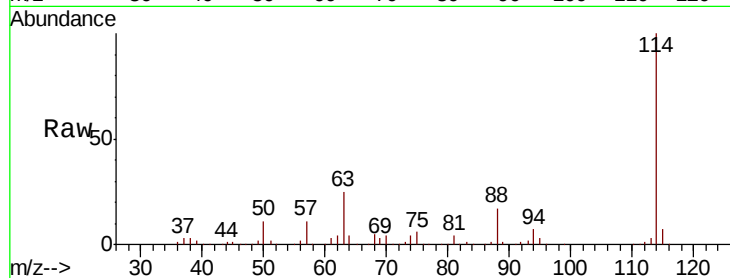




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW012214.D
 Acq: 27 Aug 2019 16:01

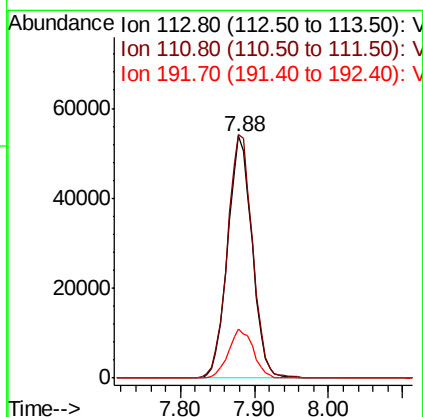
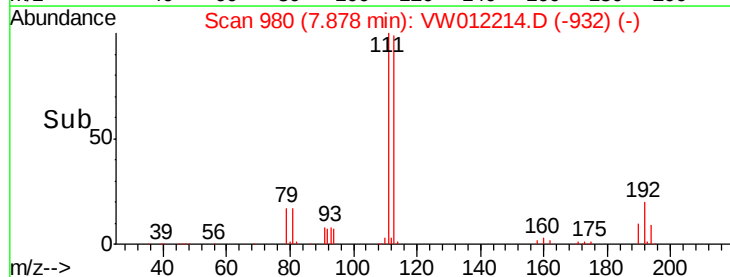
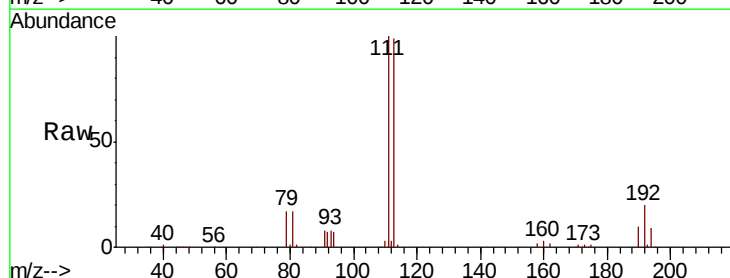
Instrument :
 MSVOA_W
 ClientSampled :
 PX-13

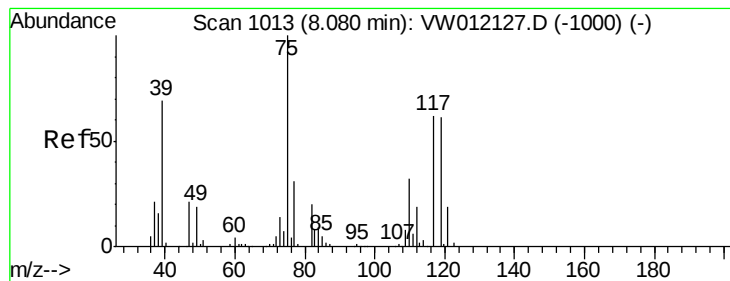
Tgt Ion:114 Resp: 424858
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 17.3 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 48.835 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012214.D
 Acq: 27 Aug 2019 16:01

Tgt Ion:113 Resp: 123845
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.7 124.1
 192 20.5 16.2 24.2





#36

1,1-Dichloropropene

Concen: 4.995 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012214.D

Acq: 27 Aug 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

PX-13

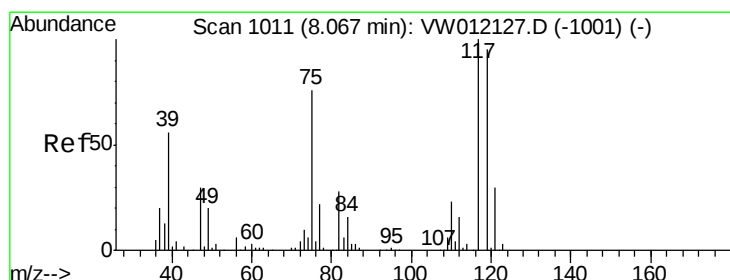
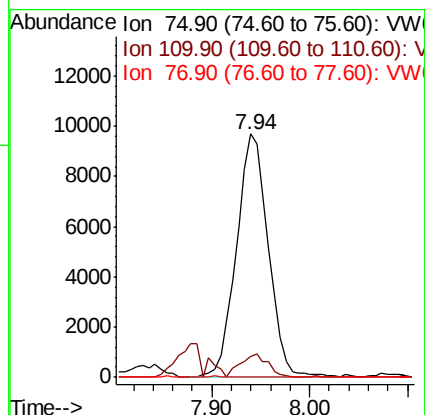
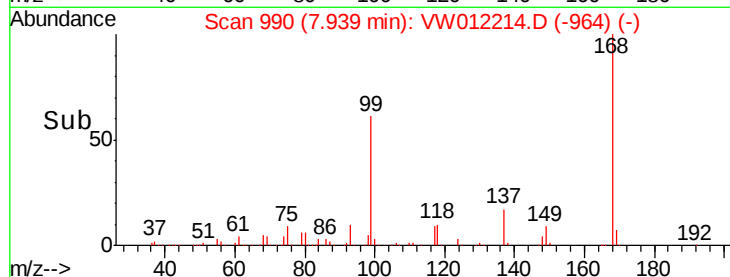
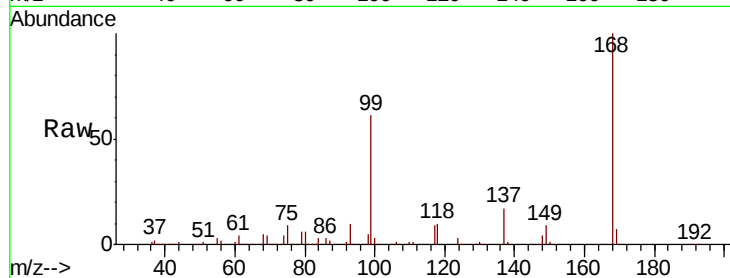
Tgt Ion: 75 Resp: 21929

Ion Ratio Lower Upper

75 100

110 8.4 15.6 46.8#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.736 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012214.D

Acq: 27 Aug 2019 16:01

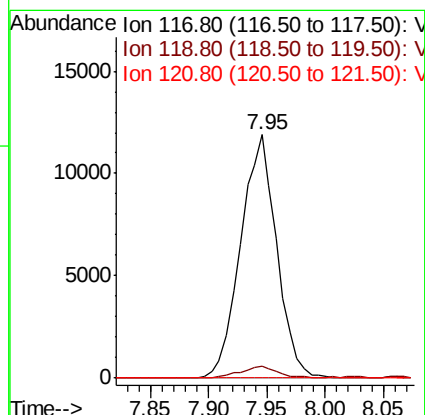
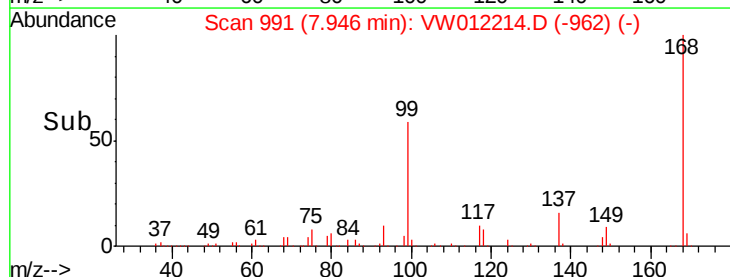
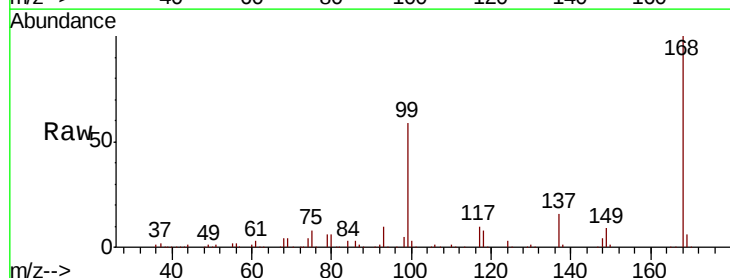
Tgt Ion: 117 Resp: 25598

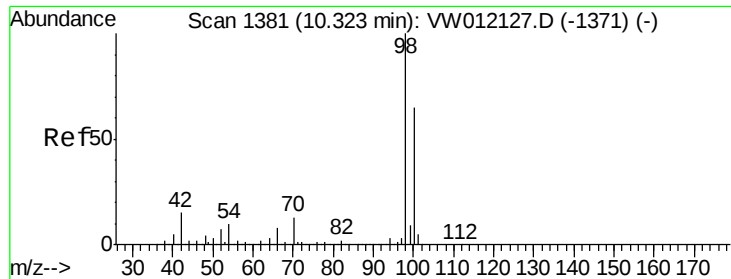
Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 51.030 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012214.D

Acq: 27 Aug 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

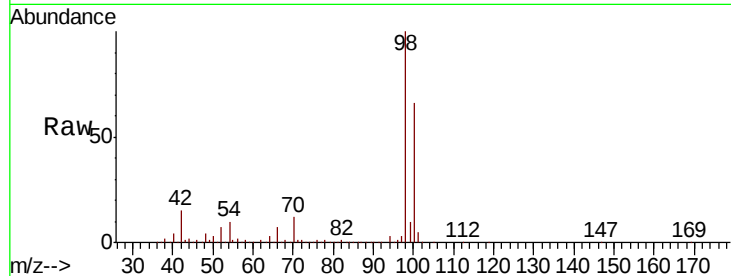
PX-13

Tgt Ion: 98 Resp: 524723

Ion Ratio Lower Upper

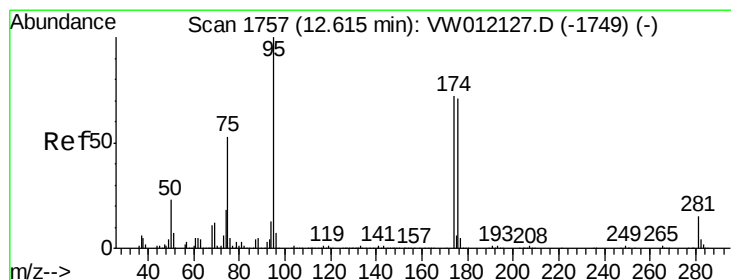
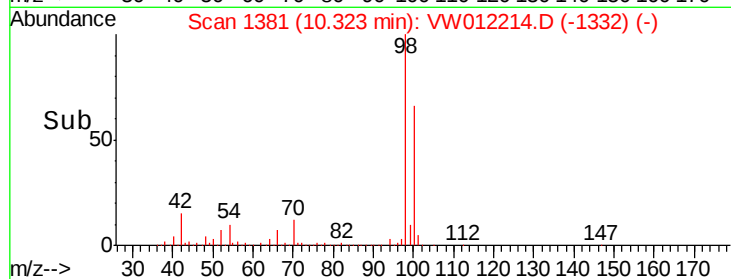
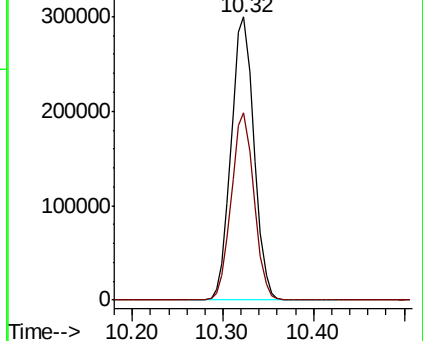
98 100

100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 47.941 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012214.D

Acq: 27 Aug 2019 16:01

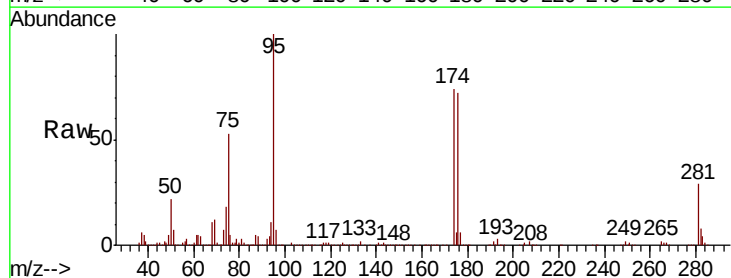
Tgt Ion: 95 Resp: 173768

Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.8

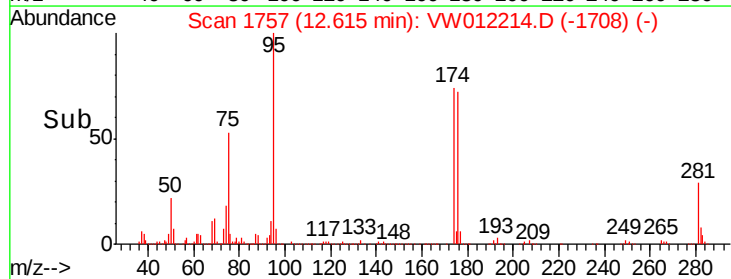
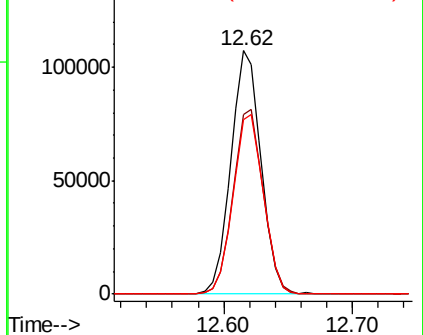
176 74.9 0.0 148.6

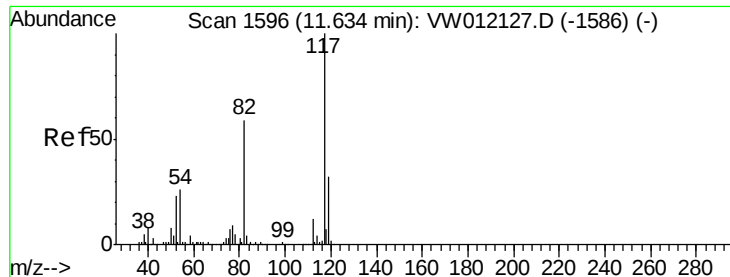


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

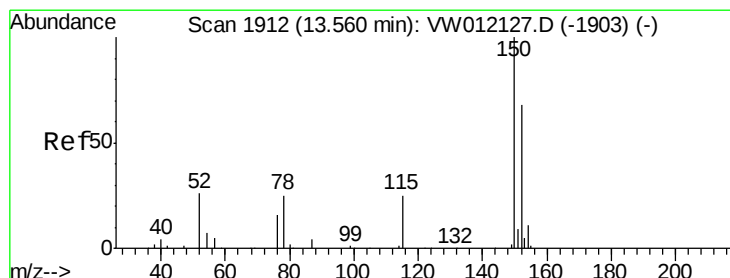
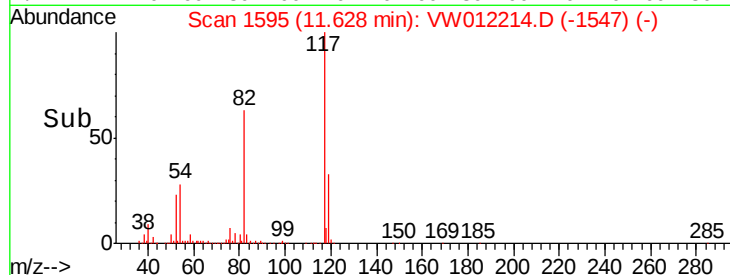
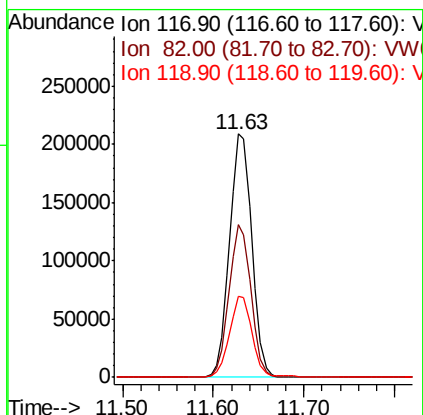
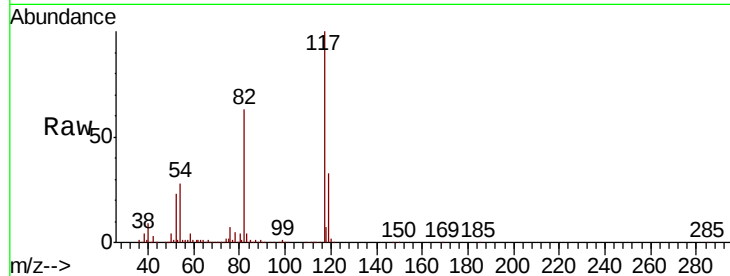




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012214.D
Acq: 27 Aug 2019 16:01

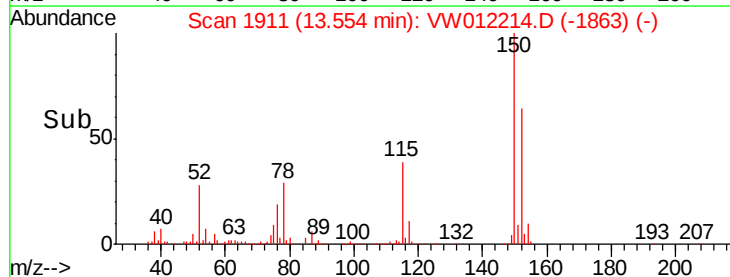
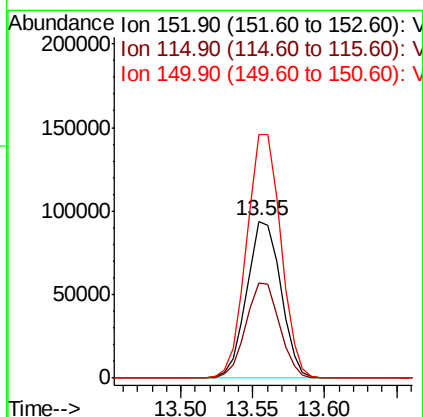
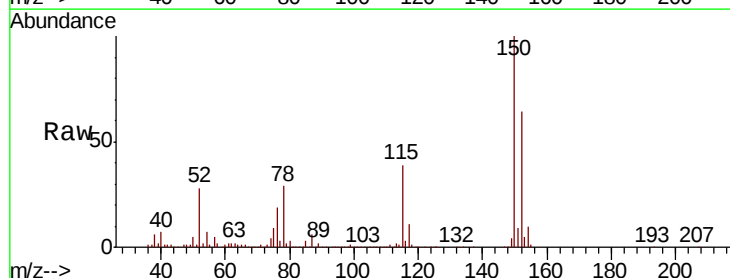
Instrument :
MSVOA_W
ClientSampled :
PX-13

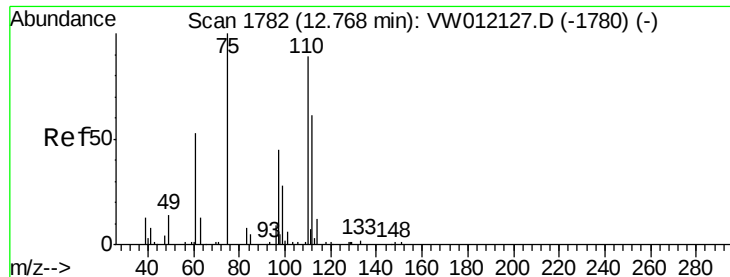
Tgt Ion:117 Resp: 356212
Ion Ratio Lower Upper
117 100
82 62.6 47.4 71.2
119 32.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012214.D
Acq: 27 Aug 2019 16:01

Tgt Ion:152 Resp: 153199
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.3
150 156.5 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 62.326 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012214.D

Acq: 27 Aug 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

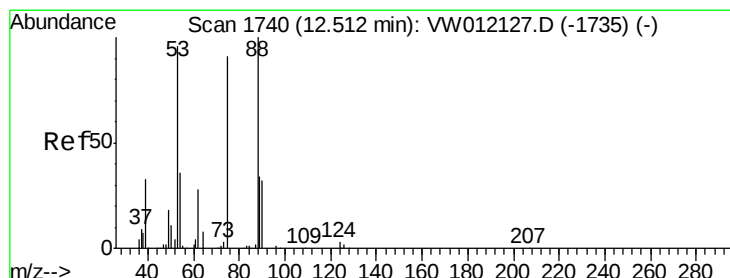
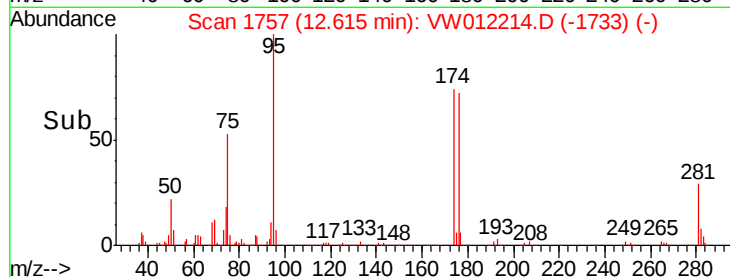
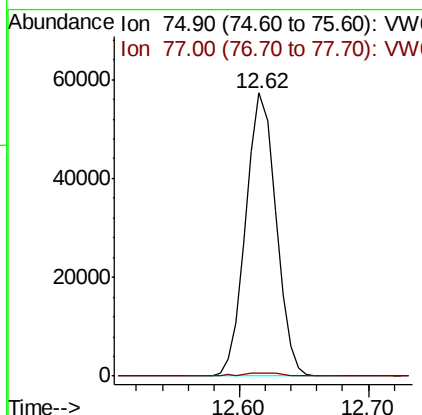
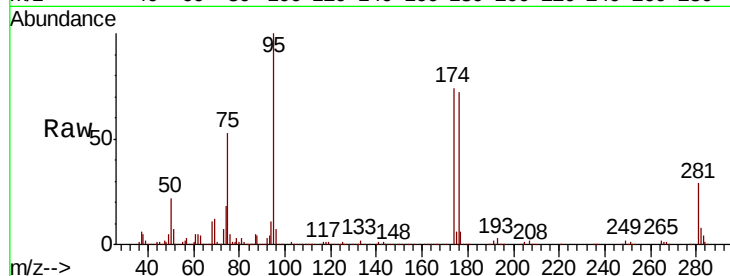
PX-13

Tgt Ion: 75 Resp: 92993

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 136.651 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012214.D

Acq: 27 Aug 2019 16:01

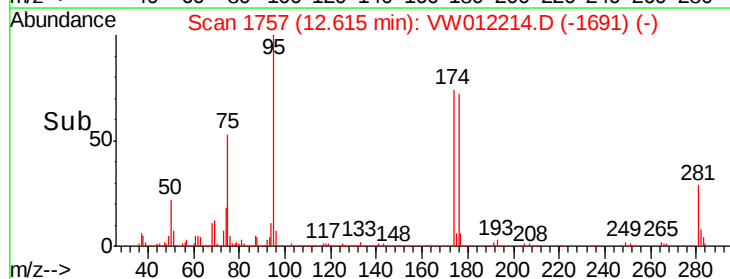
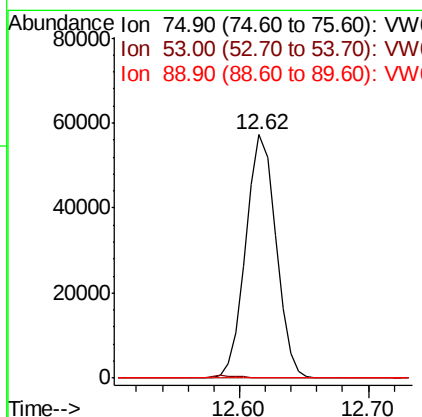
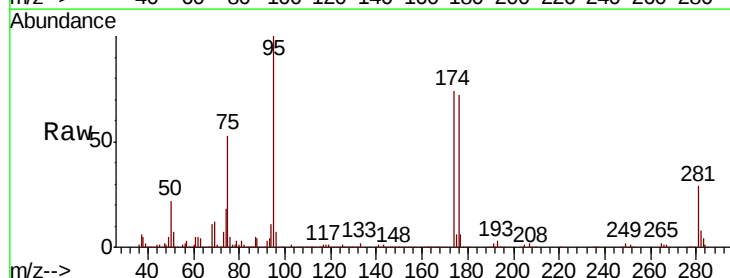
Tgt Ion: 75 Resp: 92993

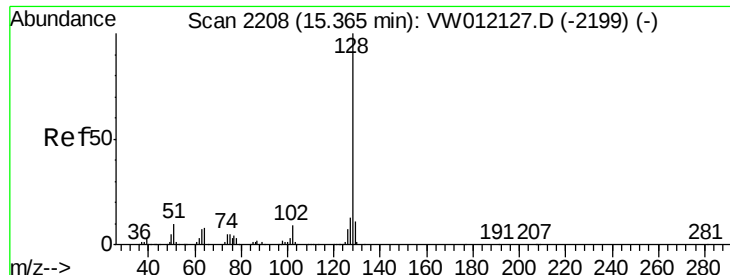
Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.1 34.5 51.7#

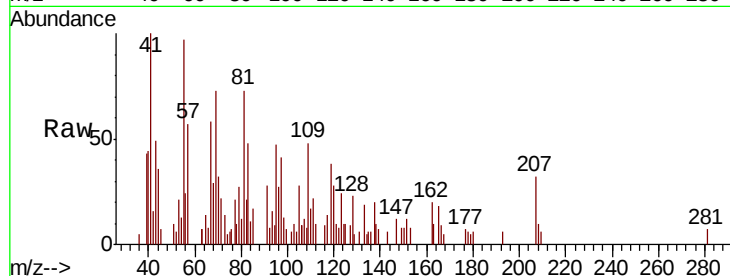




#95
Naphthalene
Concen: 4.395 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012214.D
Acq: 27 Aug 2019 16:01

Instrument :
MSVOA_W
ClientSampleId :
PX-13

Tgt Ion	Ratio	Lower	Upper
128	100		
127	20.3	10.7	16.1#
129	4.3	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

