

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012220.D
 Acq On : 27 Aug 2019 18:36
 Operator : SY/VA
 Sample : K4521-13
 Misc : 3.99G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-16

Quant Time: Aug 28 04:59:59 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	242553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	407181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	143641	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	147833	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	7.88	113	121605	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
50) Toluene-d8	10.32	98	496288	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.62	95	164563	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	

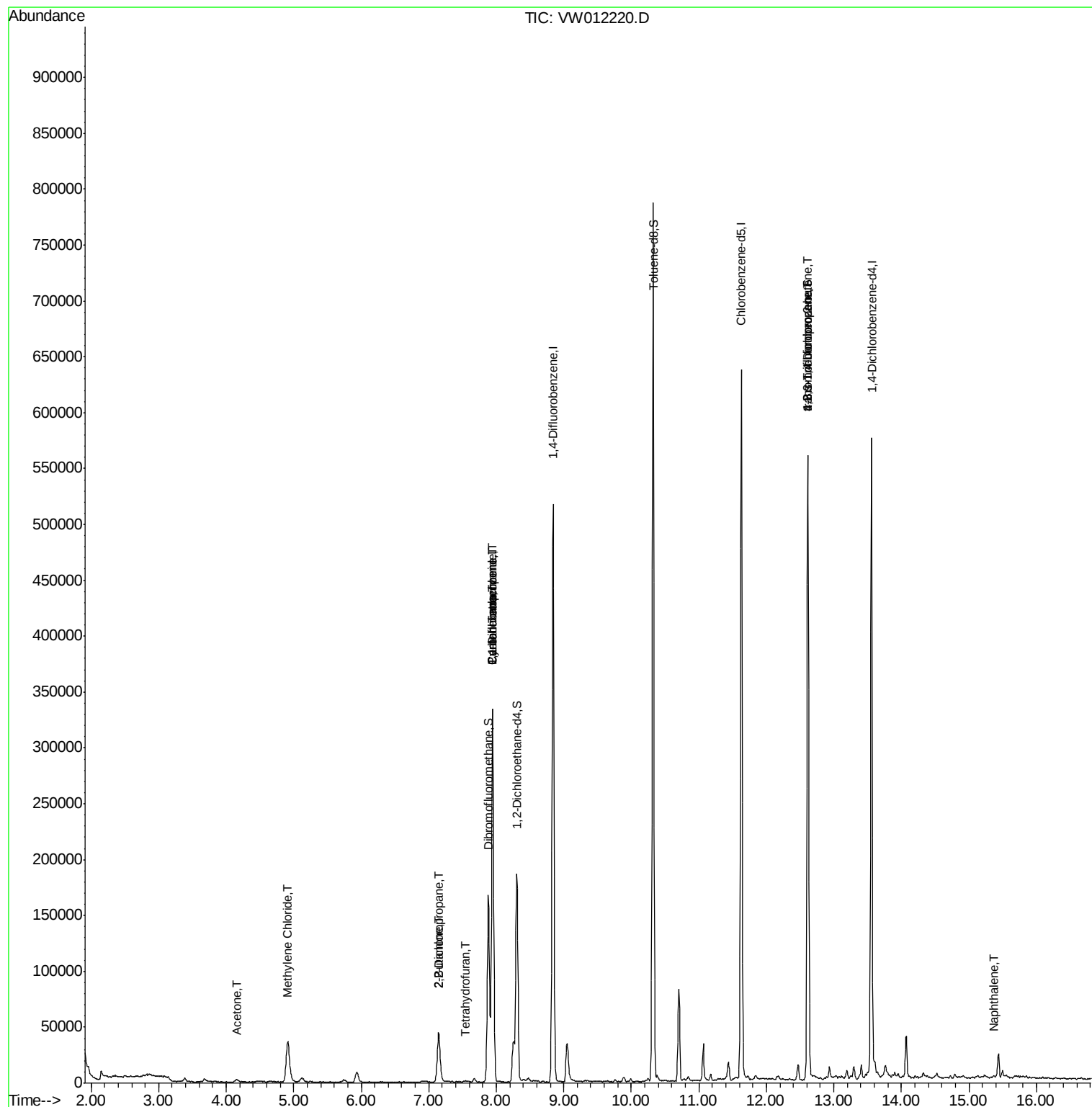
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	5218	7.080	ug/l #	87
20) Methylene Chloride	4.91	84	28323	10.165	ug/l	96
25) 2-Butanone	7.15	43	3426	3.421	ug/l #	74
26) 2,2-Dichloropropane	7.14	77	3240	1.090	ug/l #	54
29) Tetrahydrofuran	7.55	42	1148	1.910	ug/l #	83
31) Cyclohexane	7.95	56	5990	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21249	5.050	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24699	6.782	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	87218	62.345	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87218	136.693	ug/l #	6
95) Naphthalene	15.37	128	1135	4.512	ug/l #	76

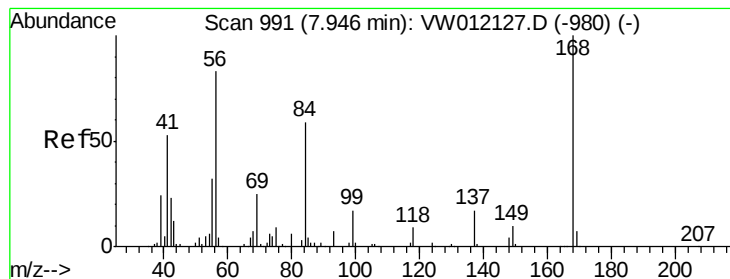
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
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QLast Update : Mon Aug 26 07:18:31 2019
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: VW012220.D

Acq: 27 Aug 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

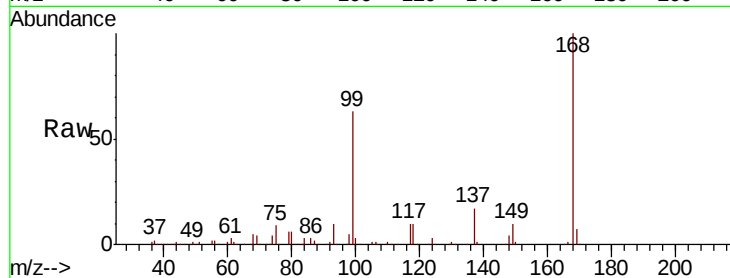
PX-16

Tgt Ion:168 Resp: 242553

Ion Ratio Lower Upper

168 100

99 63.3 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

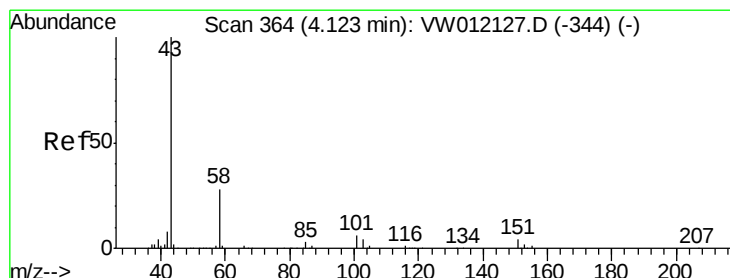
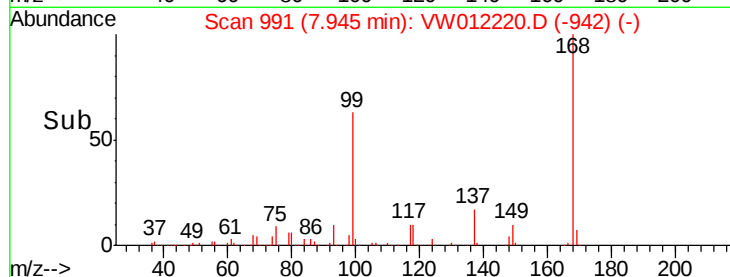
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 7.080 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.03 min

Lab File: VW012220.D

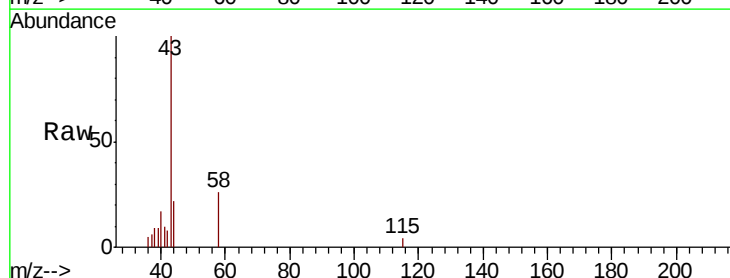
Acq: 27 Aug 2019 18:36

Tgt Ion: 43 Resp: 5218

Ion Ratio Lower Upper

43 100

58 21.1 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

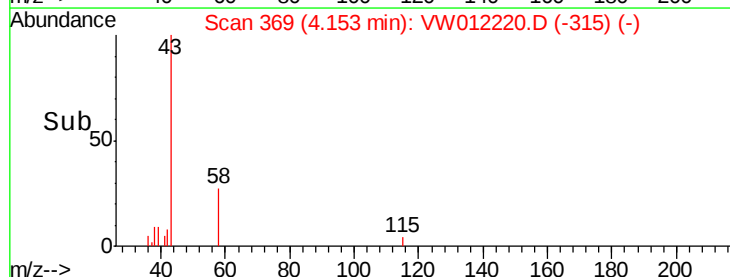
1500

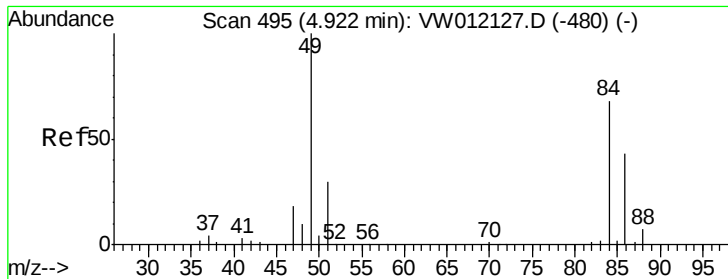
1000

500

0

Time--> 4.10 4.20 4.30

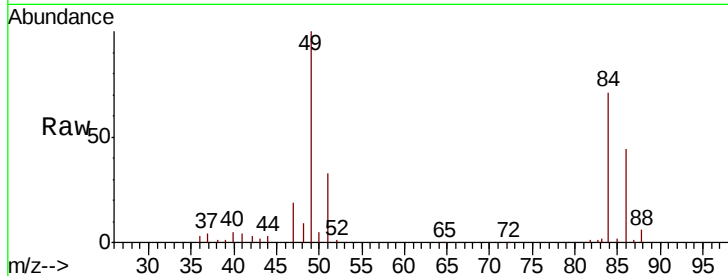




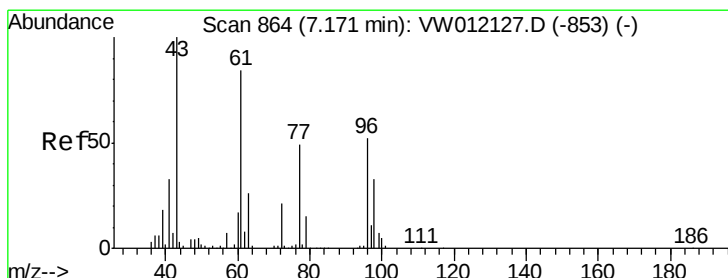
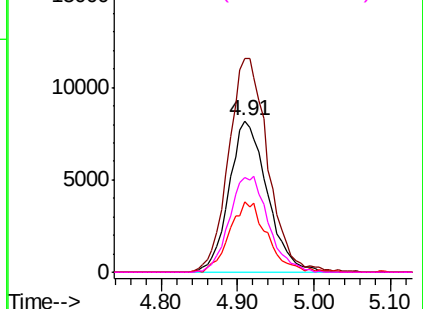
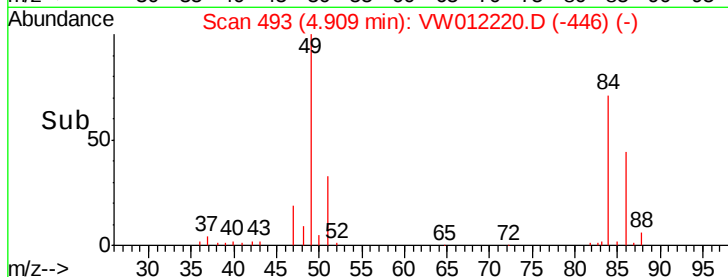
#20
Methylene Chloride
Concen: 10.165 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012220.D
Acq: 27 Aug 2019 18:36

Instrument :
MSVOA_W
ClientSampleId :
PX-16

Tgt Ion: 84 Resp: 28323
Ion Ratio Lower Upper
84 100
49 141.3 117.8 176.8
51 46.6 35.6 53.4
86 62.3 51.2 76.8

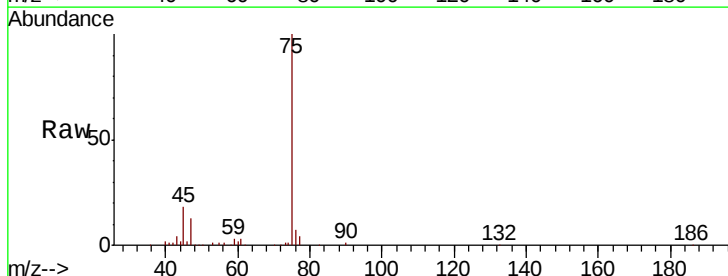


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

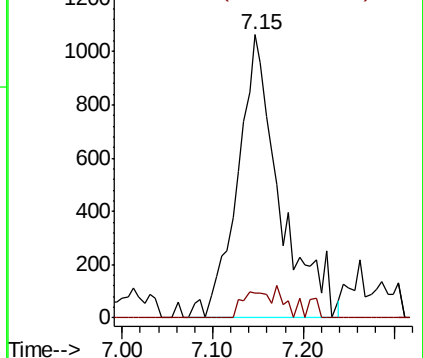
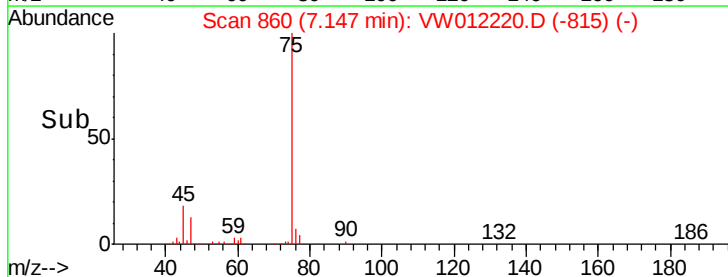


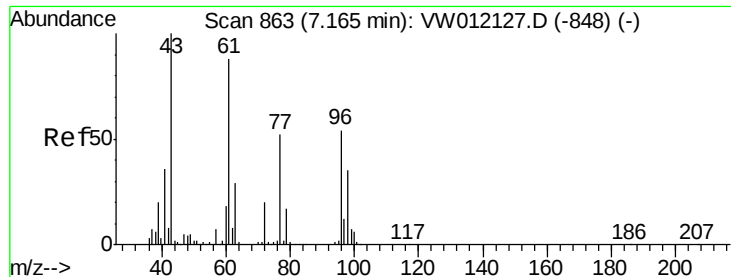
#25
2-Butanone
Concen: 3.421 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW012220.D
Acq: 27 Aug 2019 18:36

Tgt Ion: 43 Resp: 3426
Ion Ratio Lower Upper
43 100
72 8.7 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

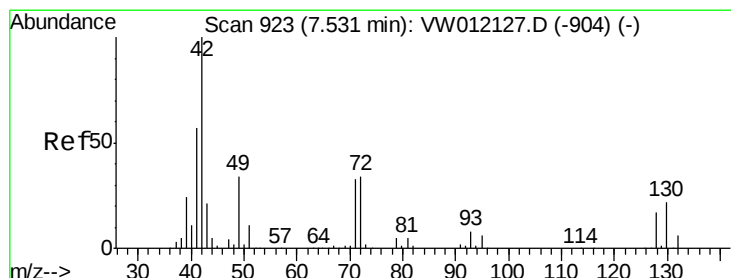
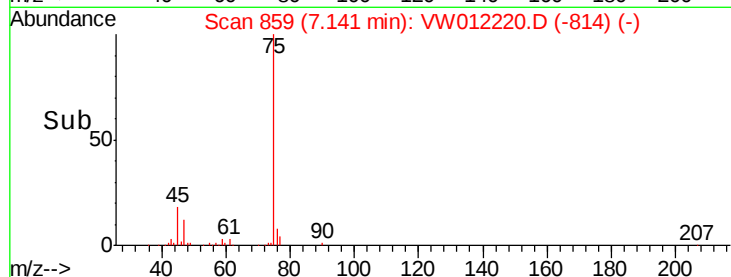
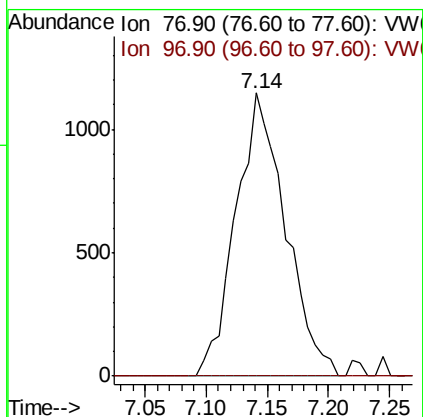
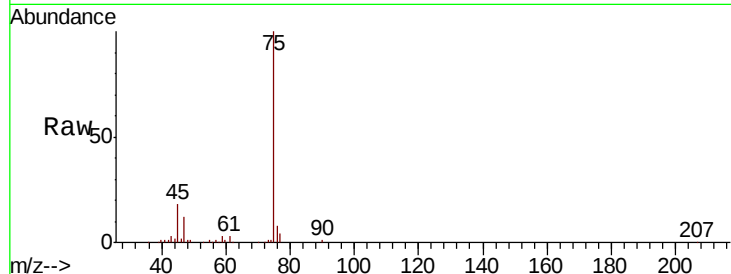




#26
 2,2-Dichloropropane
 Concen: 1.090 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW012220.D
 Acq: 27 Aug 2019 18:36

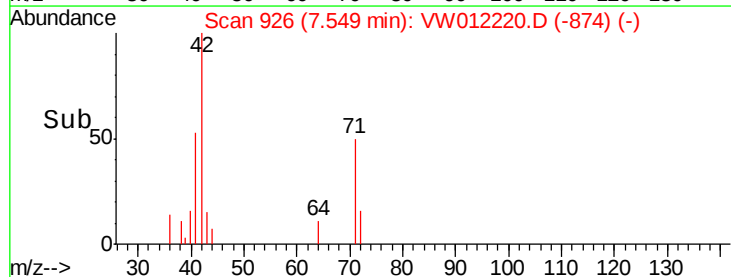
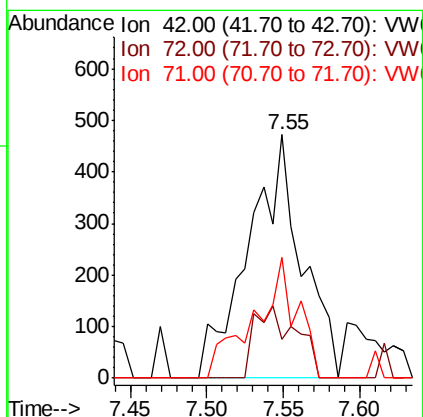
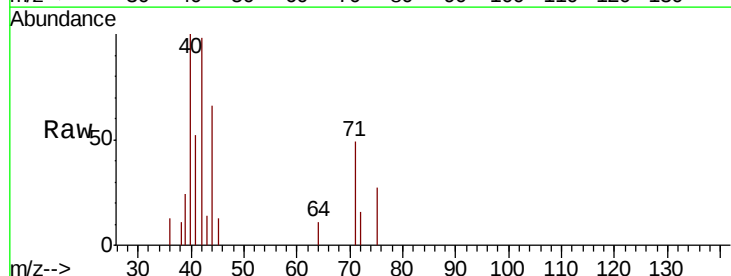
Instrument :
 MSVOA_W
 ClientSampled :
 PX-16

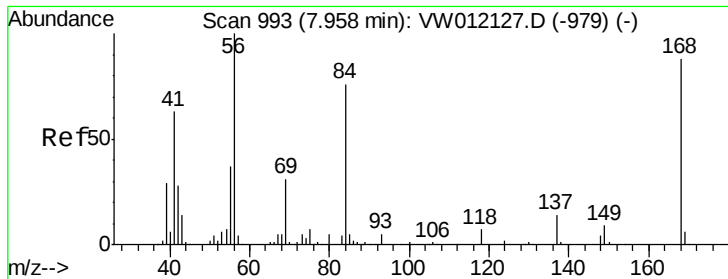
Tgt Ion: 77 Resp: 3240
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.1 33.1#



#29
 Tetrahydrofuran
 Concen: 1.910 ug/l
 RT: 7.55 min Scan# 926
 Delta R.T. 0.02 min
 Lab File: VW012220.D
 Acq: 27 Aug 2019 18:36

Tgt Ion: 42 Resp: 1148
 Ion Ratio Lower Upper
 42 100
 72 22.8 27.3 40.9#
 71 40.1 25.5 38.3#

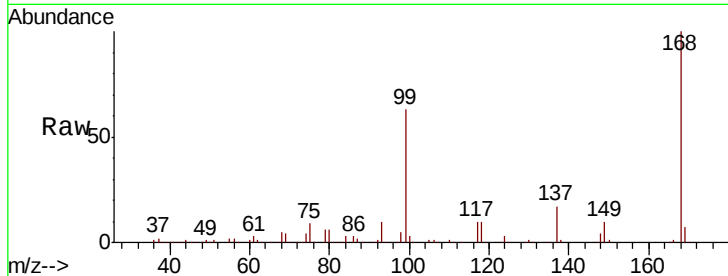




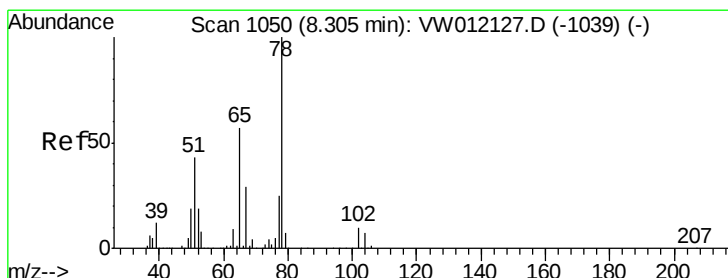
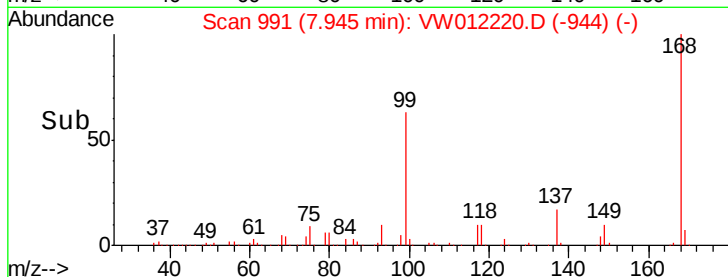
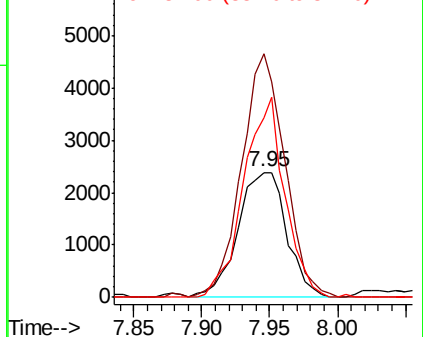
#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012220.D
Acq: 27 Aug 2019 18:36

Instrument :
MSVOA_W
ClientSampled :
PX-16

Tgt Ion: 56 Resp: 5990
Ion Ratio Lower Upper
56 100
69 195.0 24.9 37.3#
84 144.0 60.6 90.8#

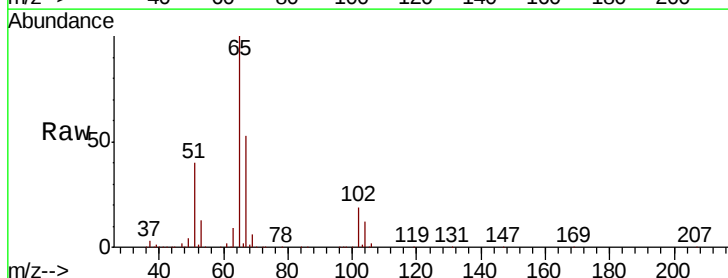


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

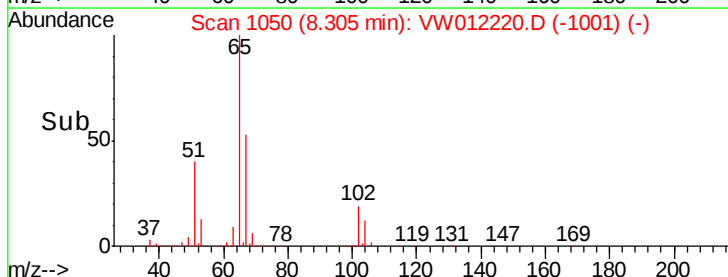
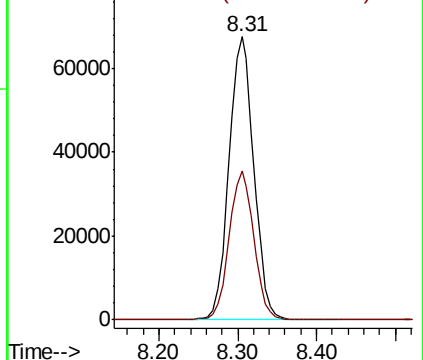


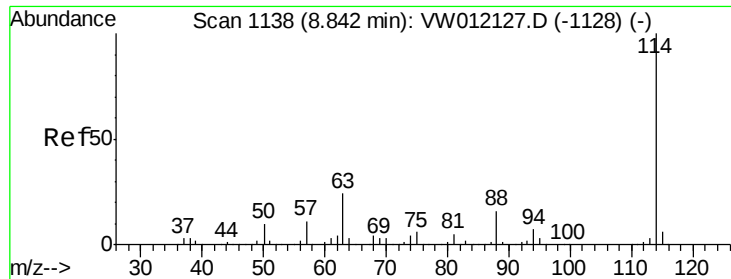
#33
1,2-Dichloroethane-d4
Concen: 51.271 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012220.D
Acq: 27 Aug 2019 18:36

Tgt Ion: 65 Resp: 147833
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.6



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

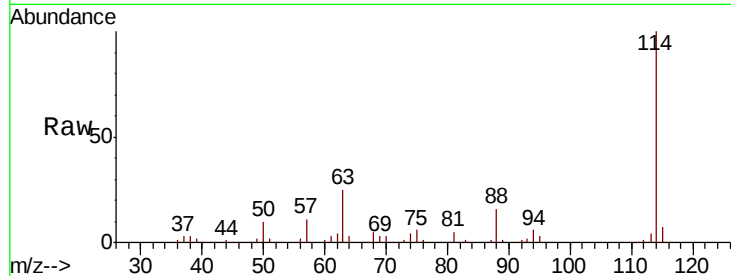




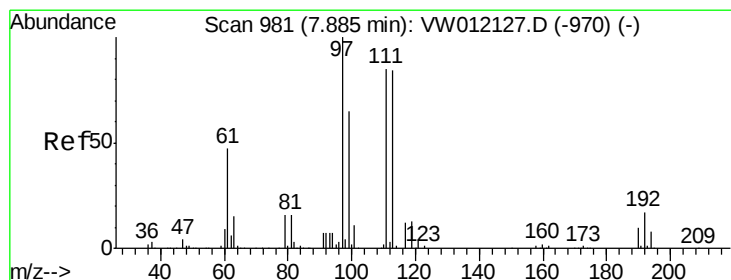
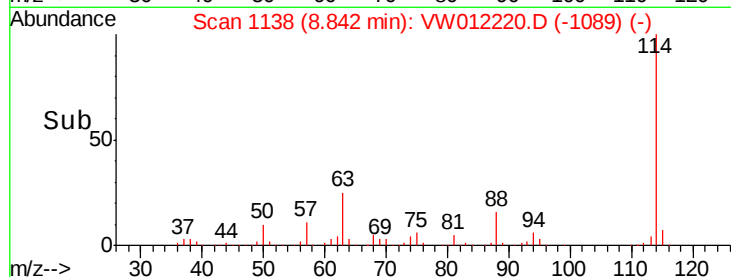
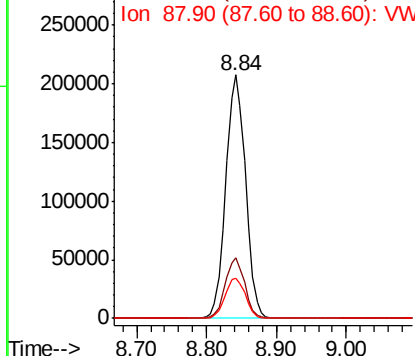
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012220.D
 Acq: 27 Aug 2019 18:36

Instrument :
 MSVOA_W
 ClientSampled :
 PX-16

Tgt Ion:114 Resp: 407181
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 48.6
 88 16.4 0.0 32.2

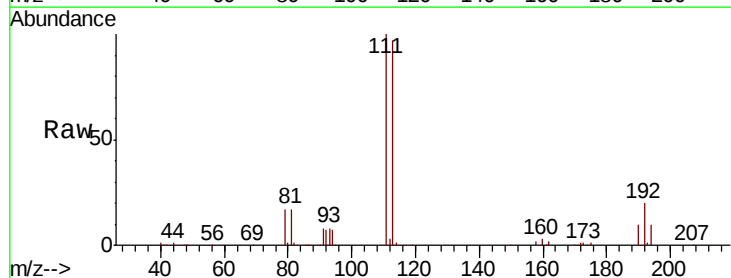


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

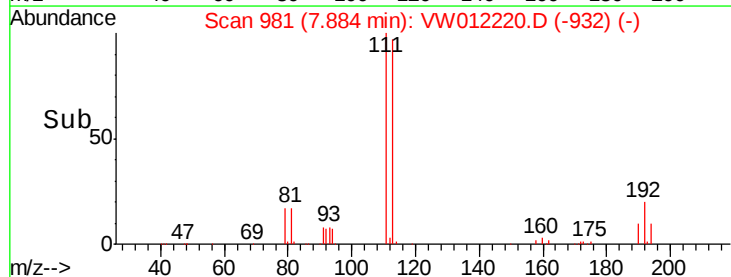
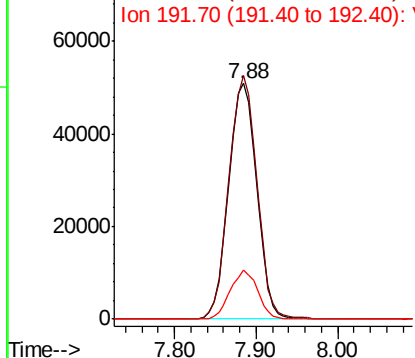


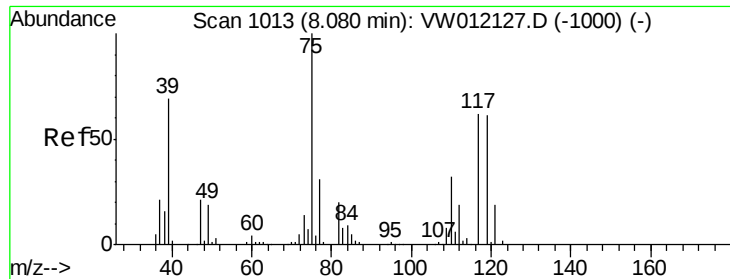
#35
 Dibromofluoromethane
 Concen: 50.033 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012220.D
 Acq: 27 Aug 2019 18:36

Tgt Ion:113 Resp: 121605
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 20.1 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

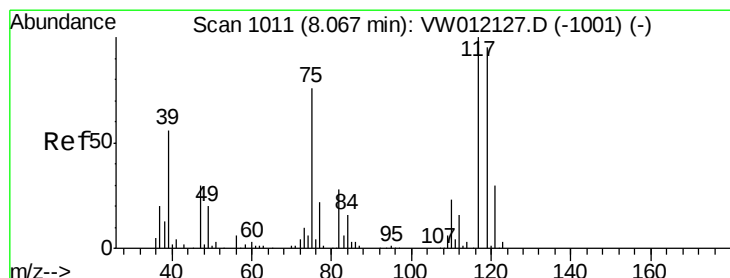
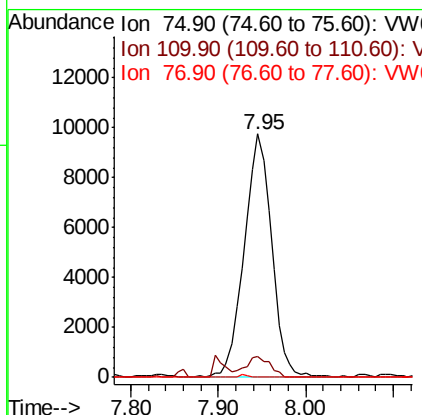
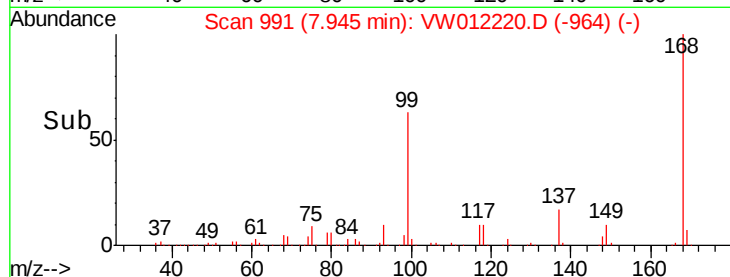
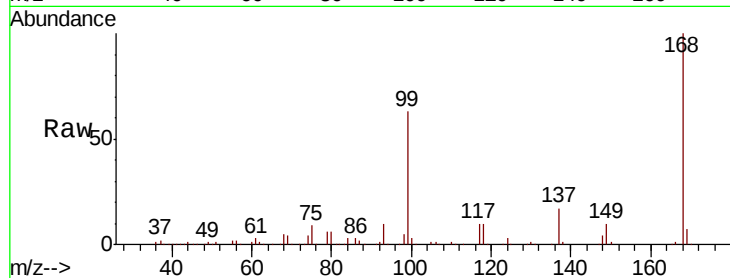




#36
 1,1-Dichloropropene
 Concen: 5.050 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012220.D
 Acq: 27 Aug 2019 18:36

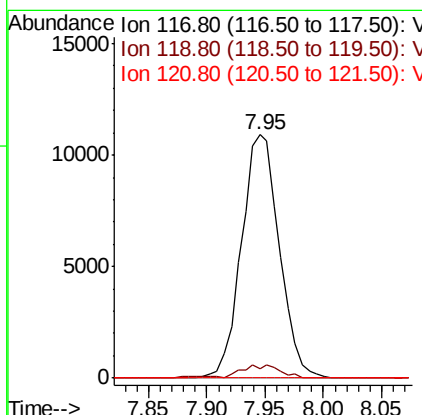
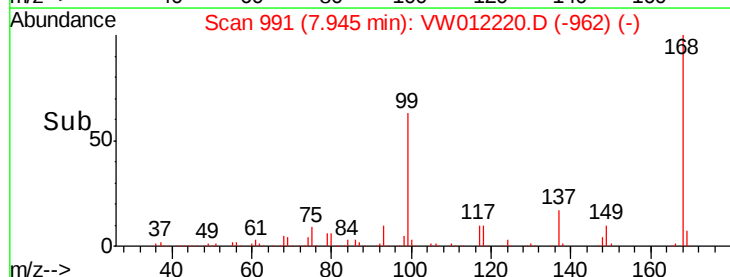
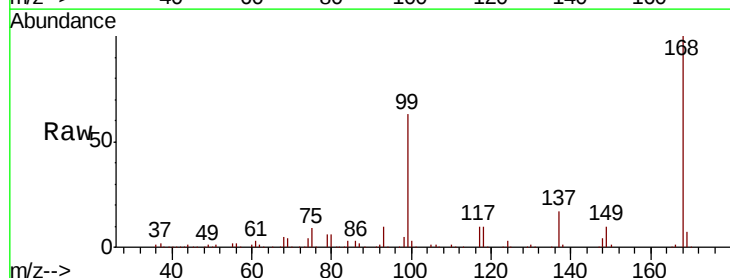
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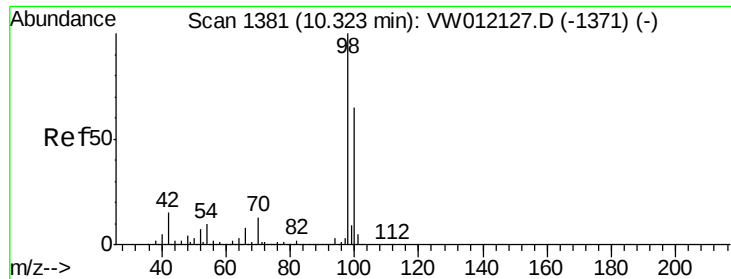
Tgt Ion: 75 Resp: 21249
 Ion Ratio Lower Upper
 75 100
 110 7.3 15.6 46.8#
 77 0.3 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.782 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012220.D
 Acq: 27 Aug 2019 18:36

Tgt Ion: 117 Resp: 24699
 Ion Ratio Lower Upper
 117 100
 119 3.6 76.2 114.2#
 121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 50.360 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012220.D

Acq: 27 Aug 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

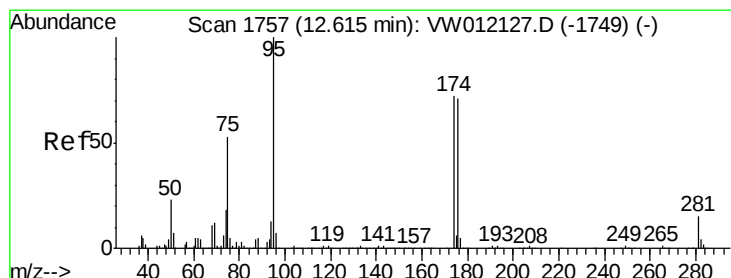
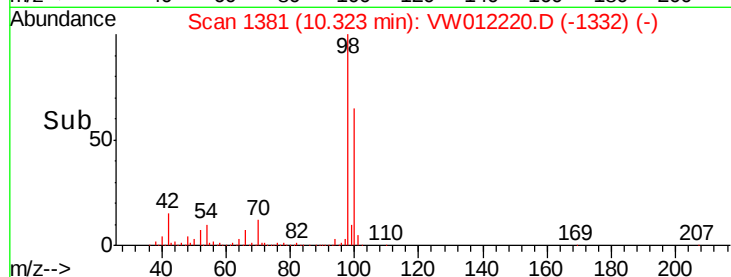
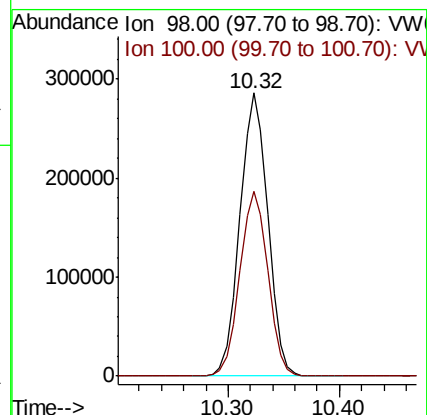
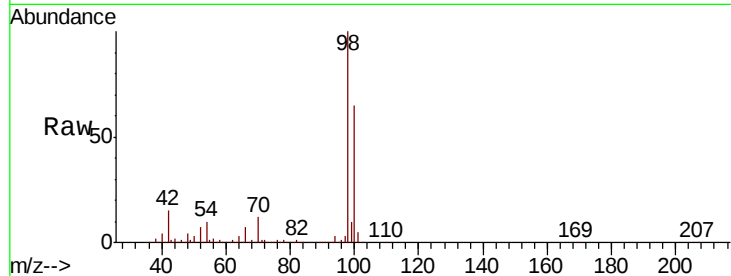
PX-16

Tgt Ion: 98 Resp: 496288

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 47.372 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012220.D

Acq: 27 Aug 2019 18:36

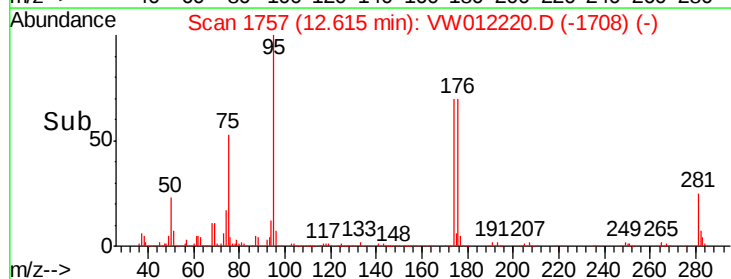
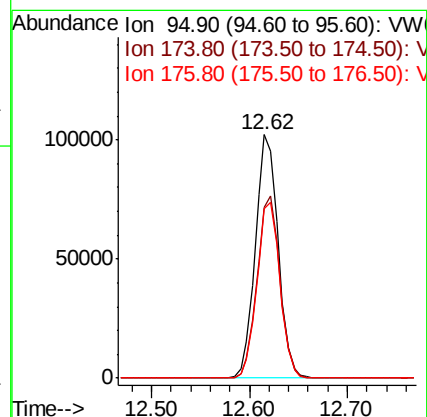
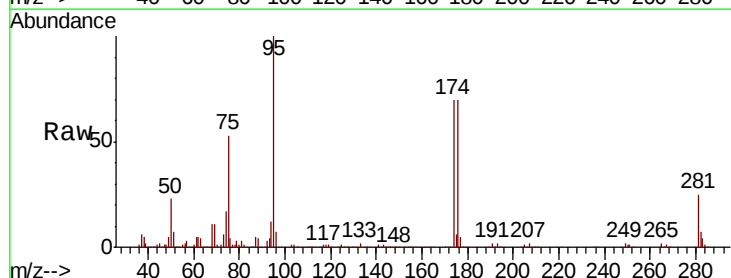
Tgt Ion: 95 Resp: 164563

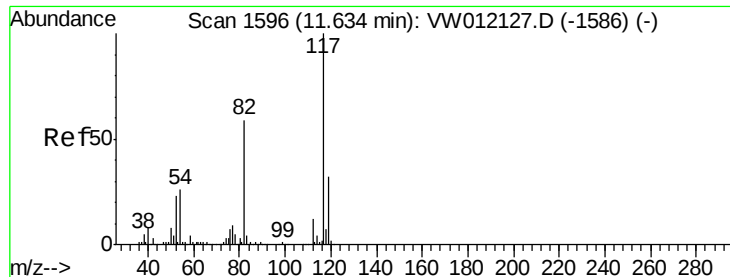
Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.8

176 72.9 0.0 148.6

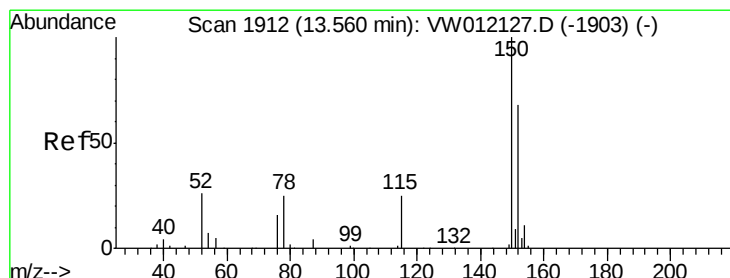
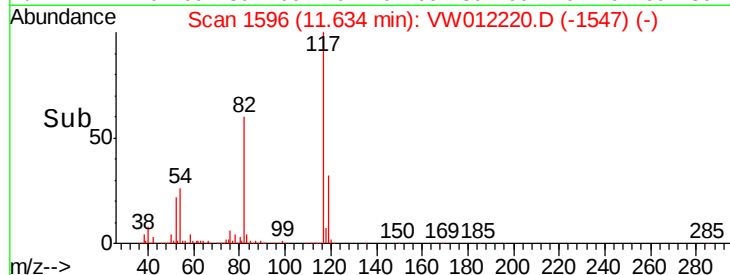
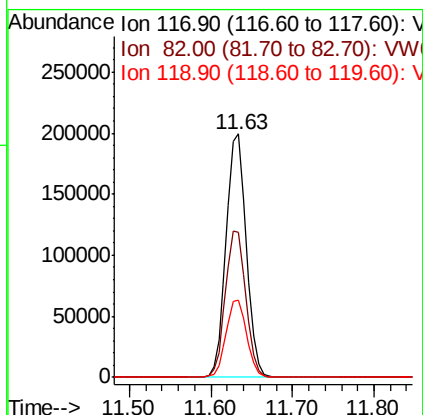
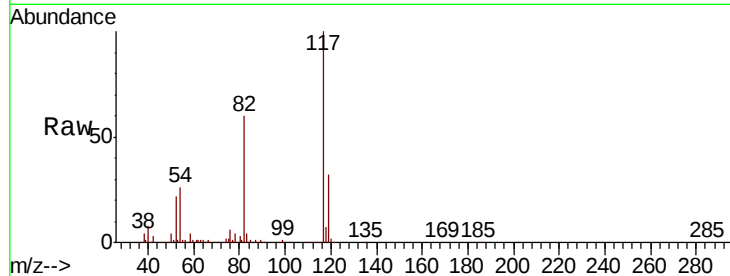




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012220.D
Acq: 27 Aug 2019 18:36

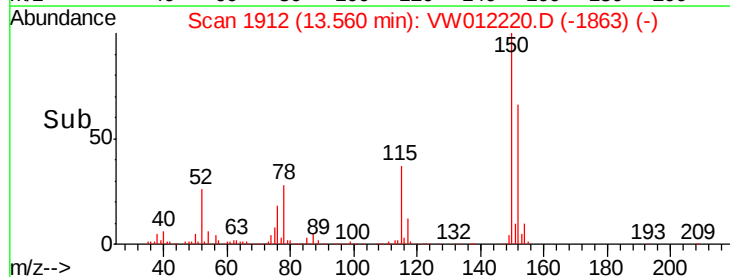
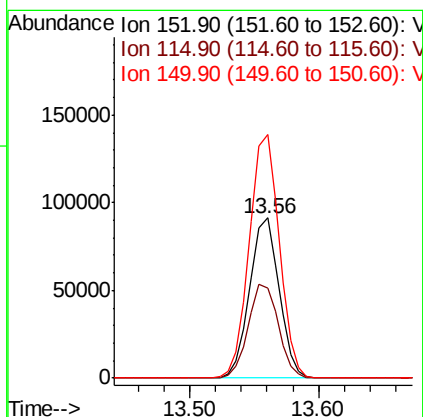
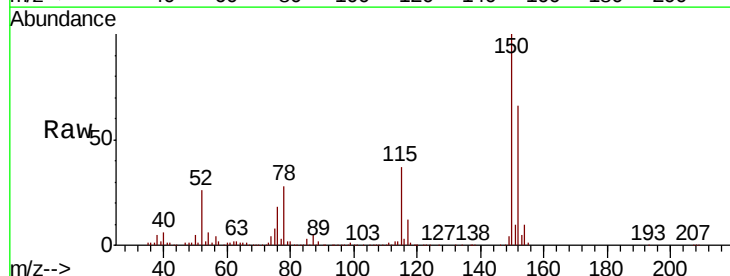
Instrument :
MSVOA_W
ClientSampleId :
PX-16

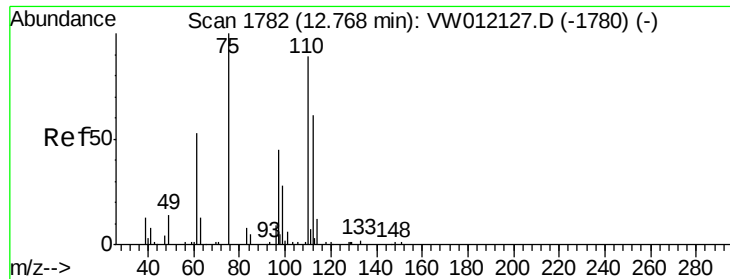
Tgt Ion:117 Resp: 338723
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012220.D
Acq: 27 Aug 2019 18:36

Tgt Ion:152 Resp: 143641
Ion Ratio Lower Upper
152 100
115 59.7 30.1 90.3
150 155.1 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 62.345 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012220.D

Acq: 27 Aug 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

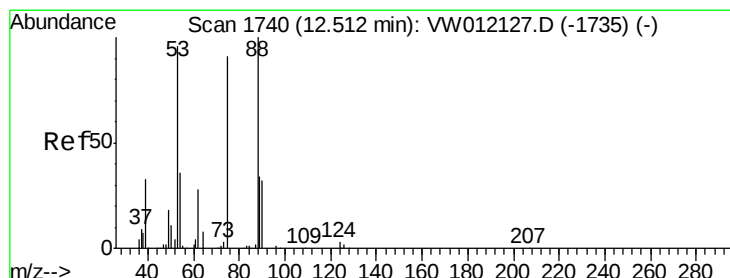
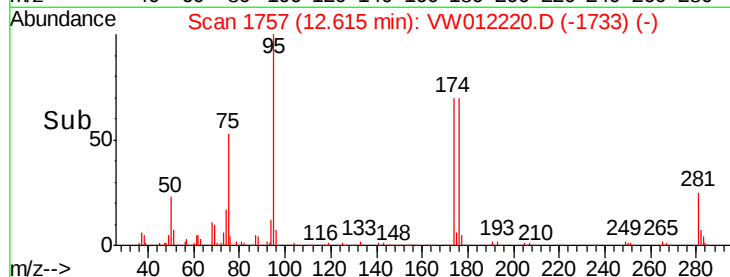
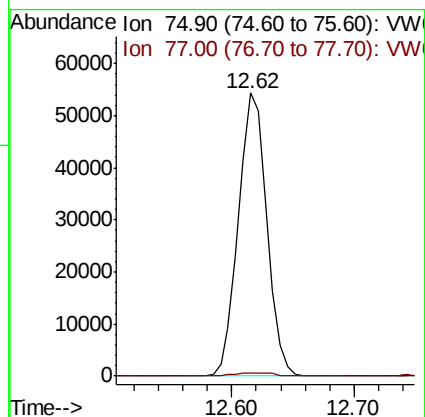
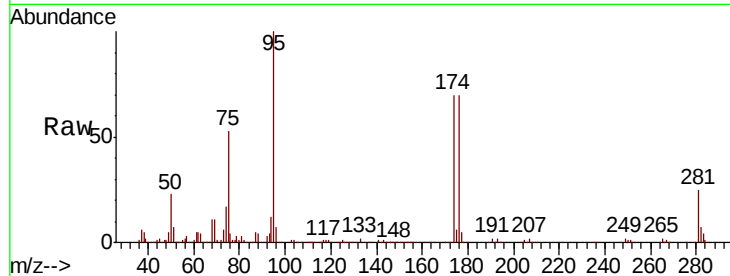
PX-16

Tgt Ion: 75 Resp: 87218

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 136.693 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012220.D

Acq: 27 Aug 2019 18:36

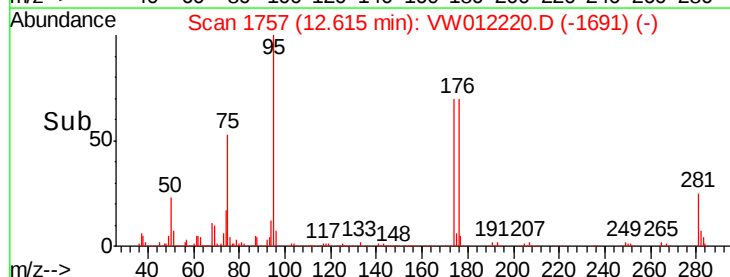
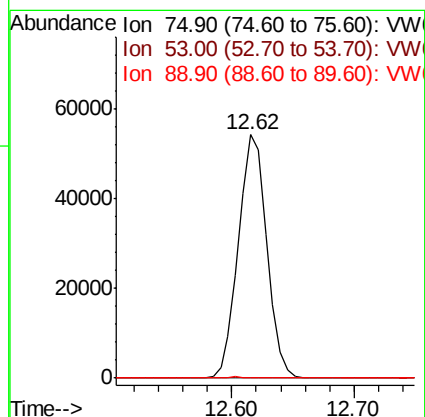
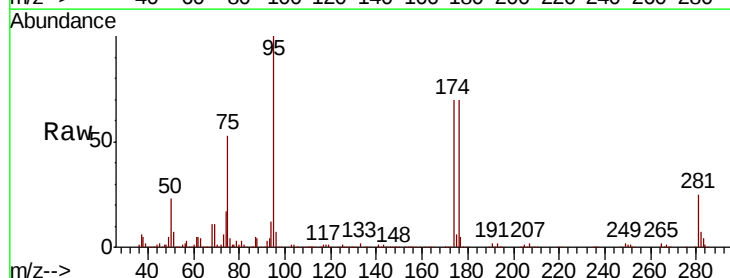
Tgt Ion: 75 Resp: 87218

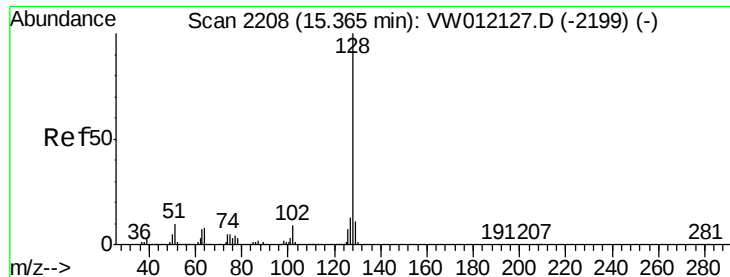
Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

89 0.3 34.5 51.7#





#95
Naphthalene
Concen: 4.512 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012220.D
Acq: 27 Aug 2019 18:36

Instrument :
MSVOA_W
ClientSampleId :
PX-16

Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.6	10.7	16.1#
129	26.0	8.7	13.1#

