

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012210.D
 Acq On : 27 Aug 2019 14:07
 Operator : SY/VA
 Sample : K4521-06
 Misc : 4.71G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-09

Quant Time: Aug 28 04:56:43 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	235125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	302792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108942	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	138774	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	7.88	113	115601	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	10.32	98	469253	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.62	95	138142	41.76	ug/l	0.00
Spiked Amount			Recovery	=	83.52%	

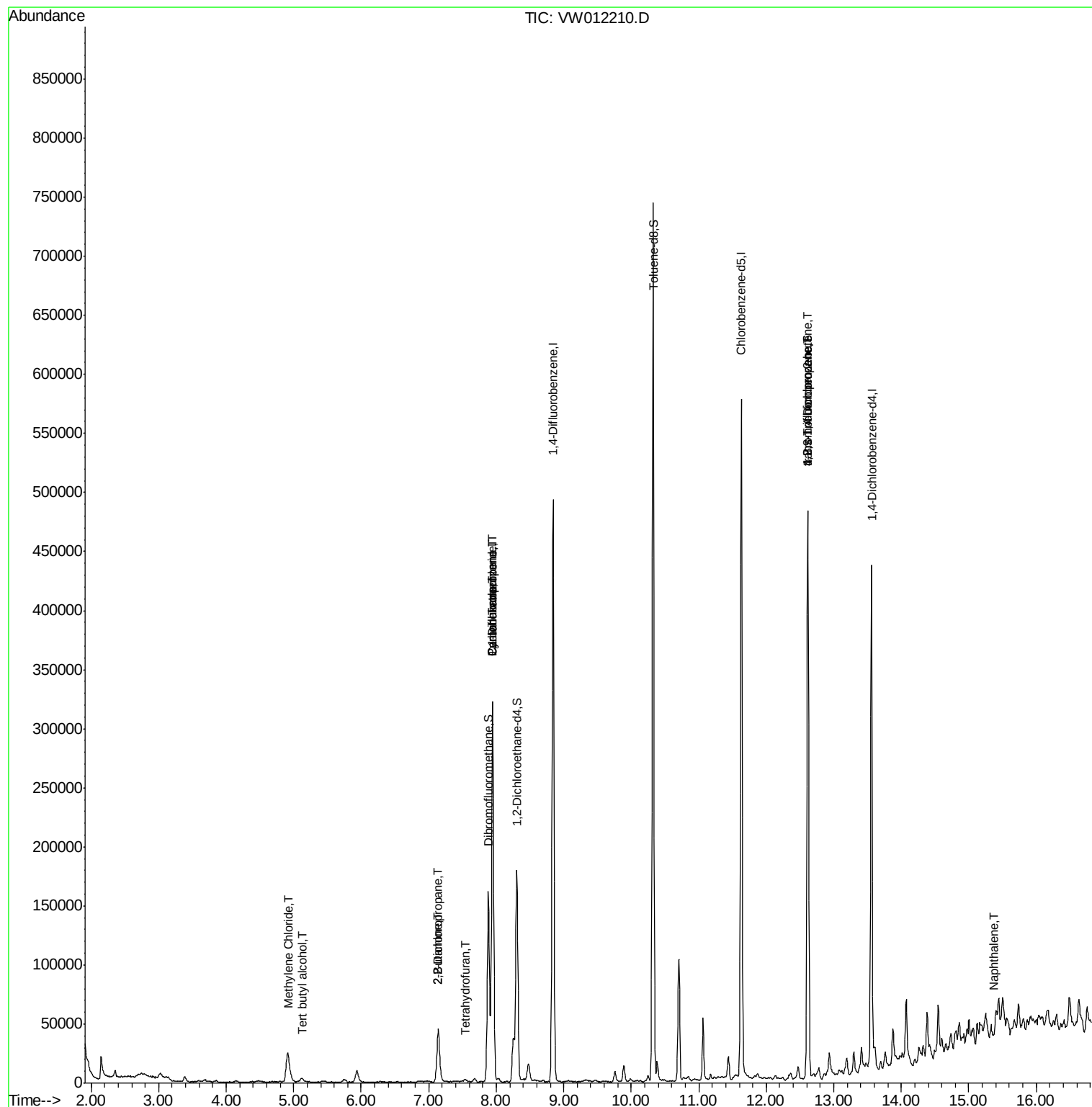
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	3340	19.857	ug/l #	71
20) Methylene Chloride	4.92	84	18534	6.862	ug/l	87
25) 2-Butanone	7.14	43	3147	3.241	ug/l #	80
26) 2,2-Dichloropropane	7.15	77	3133	1.088	ug/l #	54
29) Tetrahydrofuran	7.54	42	1864	3.200	ug/l #	81
31) Cyclohexane	7.95	56	5836	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20105	5.017	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23388	6.743	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	72803	68.616	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72803	150.444	ug/l #	6
95) Naphthalene	15.36	128	496	4.431	ug/l #	26

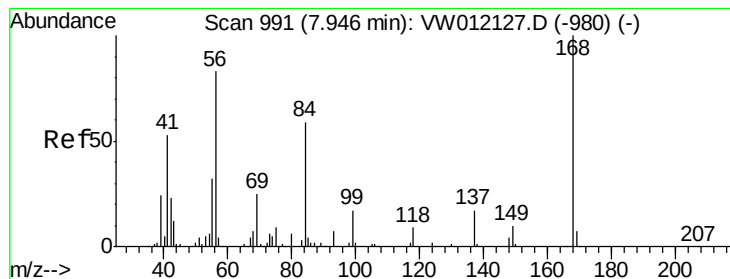
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
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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: VW012210.D

Acq: 27 Aug 2019 14:07

Instrument :

MSVOA_W

ClientSampleId :

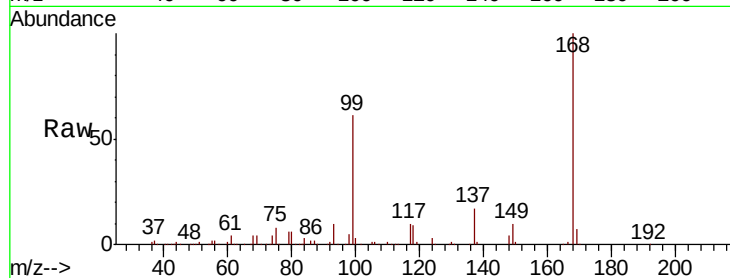
PX-09

Tgt Ion:168 Resp: 235125

Ion Ratio Lower Upper

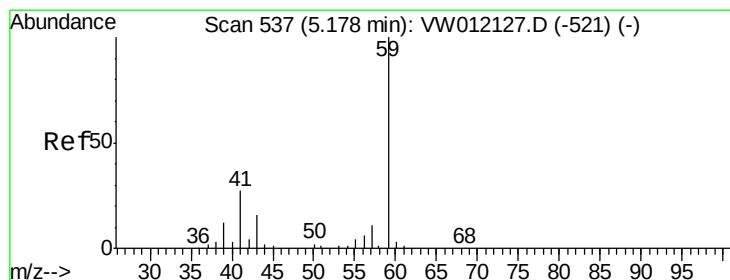
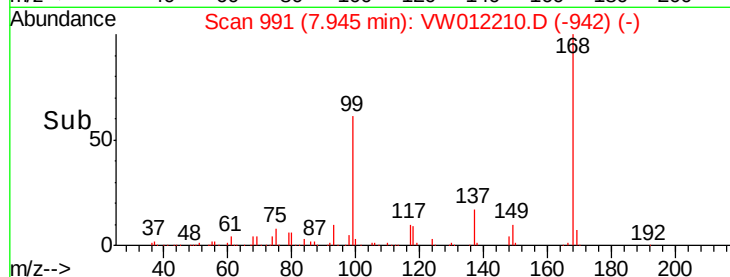
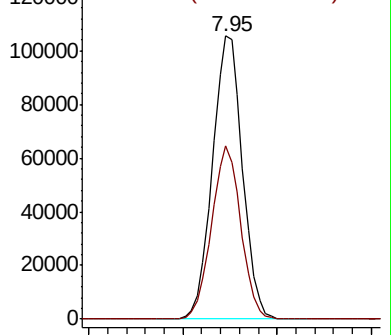
168 100

99 61.2 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: 19.857 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.06 min

Lab File: VW012210.D

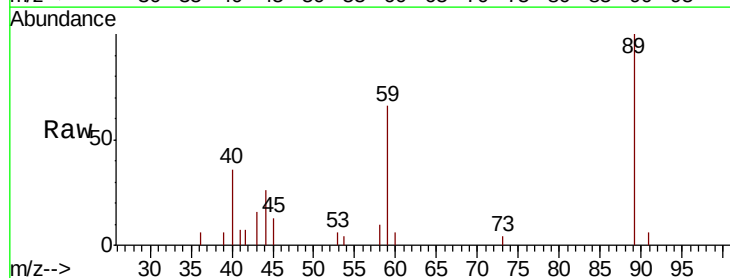
Acq: 27 Aug 2019 14:07

Tgt Ion: 59 Resp: 3340

Ion Ratio Lower Upper

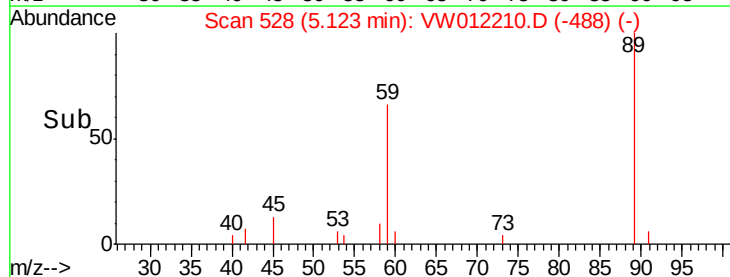
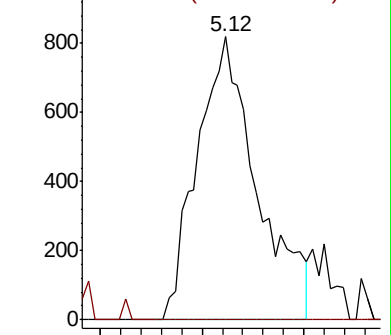
59 100

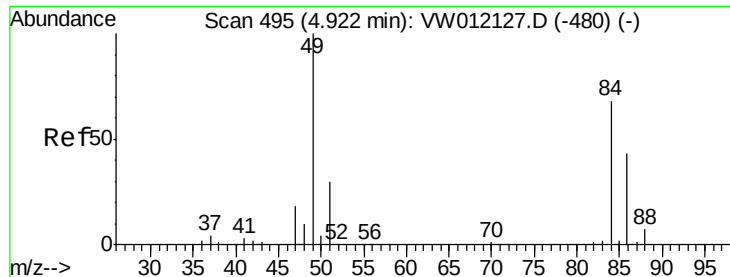
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

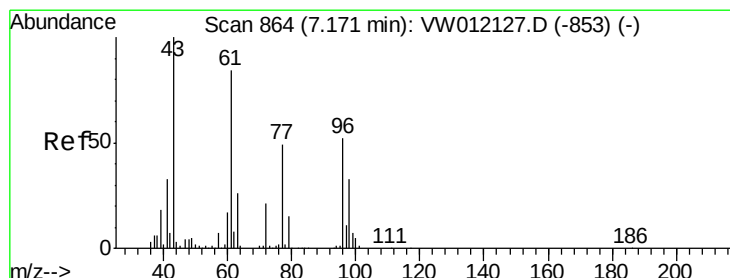
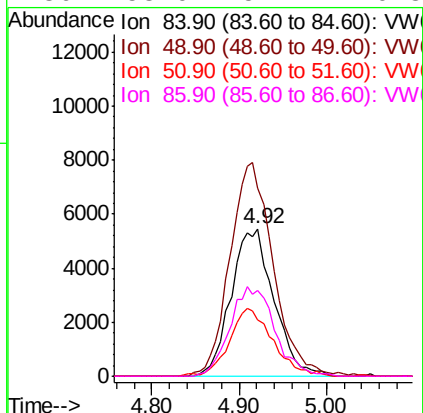
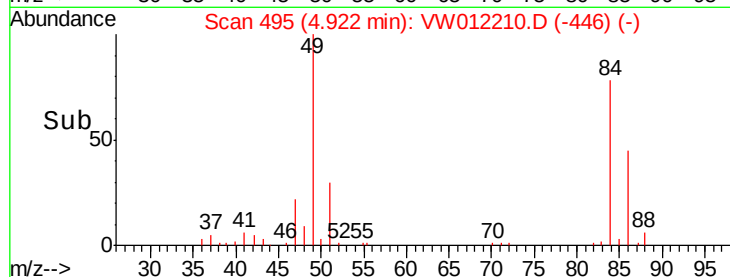
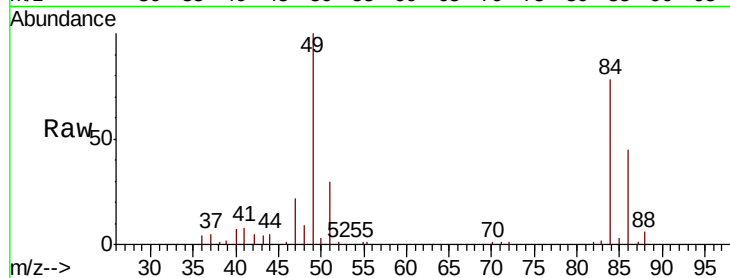




#20
Methylene Chloride
Concen: 6.862 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012210.D
Acq: 27 Aug 2019 14:07

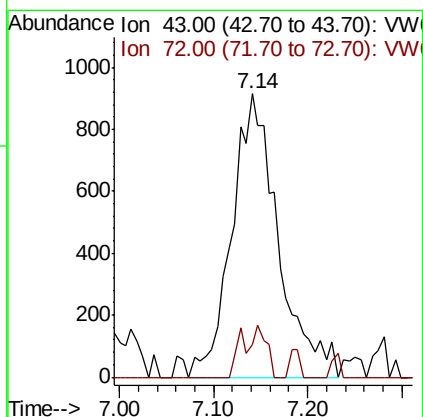
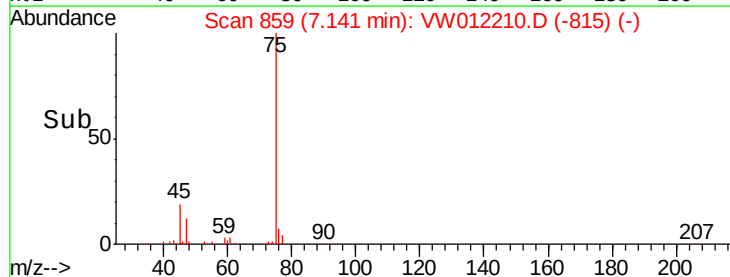
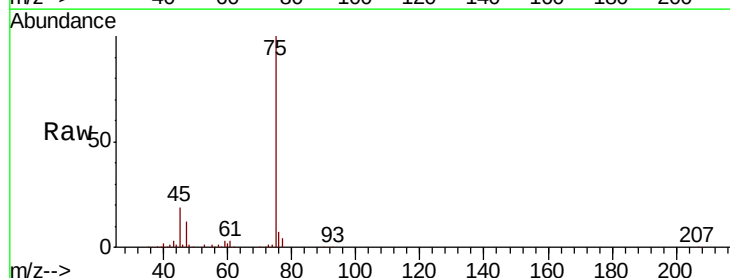
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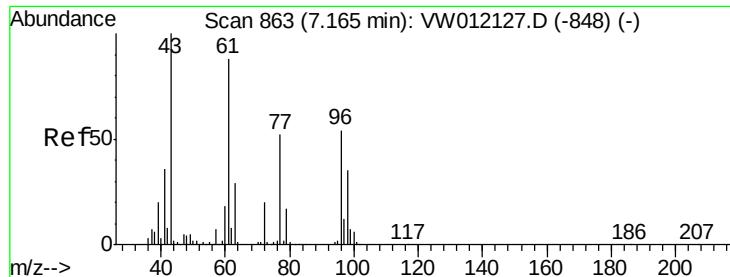
Tgt Ion: 84 Resp: 18534
Ion Ratio Lower Upper
84 100
49 127.5 117.8 176.8
51 38.7 35.6 53.4
86 58.0 51.2 76.8



#25
2-Butanone
Concen: 3.241 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW012210.D
Acq: 27 Aug 2019 14:07

Tgt Ion: 43 Resp: 3147
Ion Ratio Lower Upper
43 100
72 11.4 16.6 24.8#

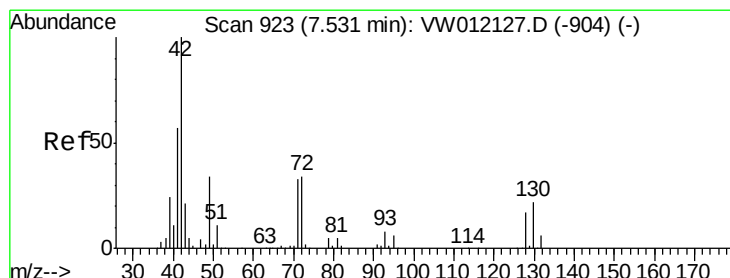
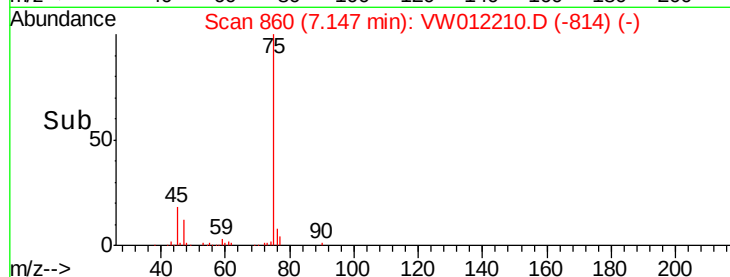
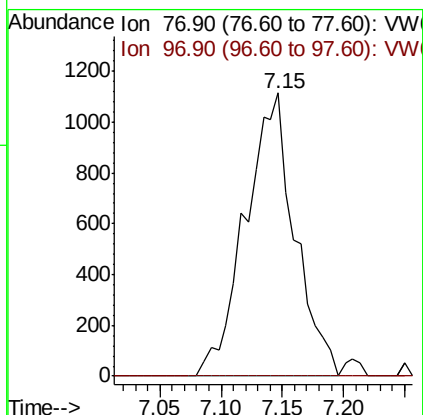
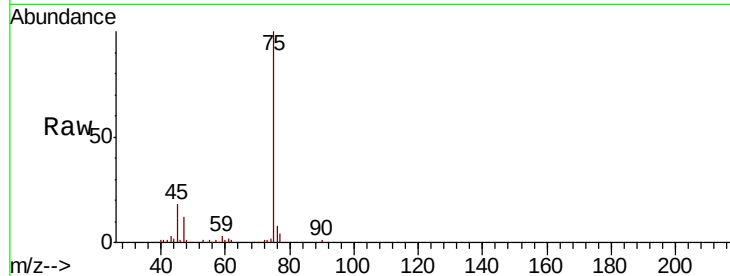




#26
 2,2-Dichloropropane
 Concen: 1.088 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW012210.D
 Acq: 27 Aug 2019 14:07

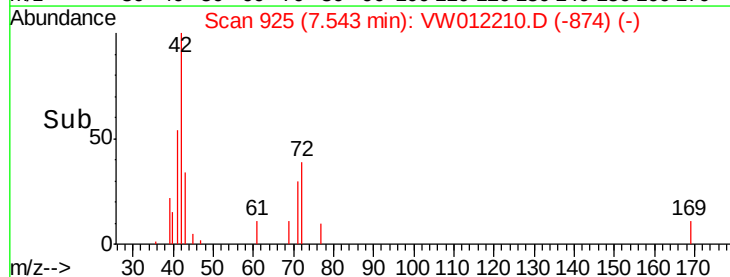
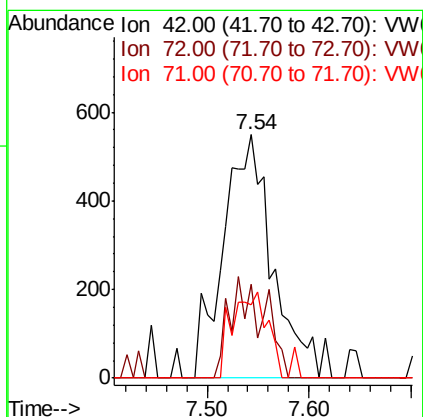
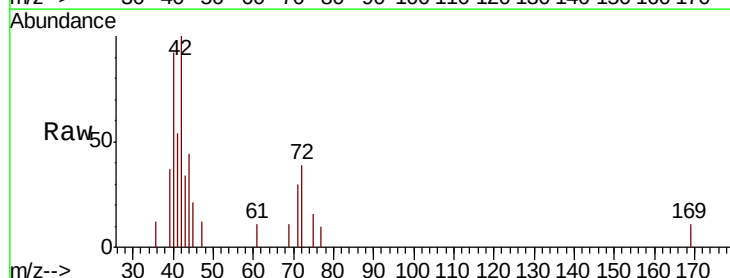
Instrument :
 MSVOA_W
 ClientSampled :
 PX-09

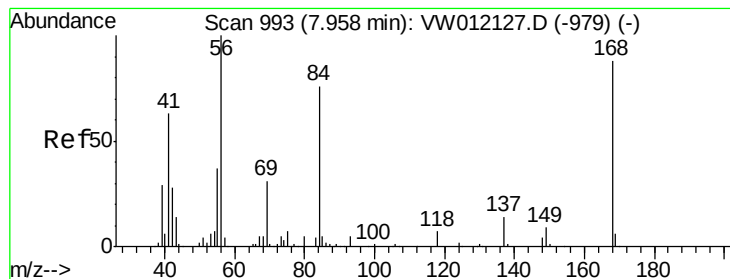
Tgt Ion: 77 Resp: 3133
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.1 33.1#



#29
 Tetrahydrofuran
 Concen: 3.200 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VW012210.D
 Acq: 27 Aug 2019 14:07

Tgt Ion: 42 Resp: 1864
 Ion Ratio Lower Upper
 42 100
 72 19.7 27.3 40.9#
 71 25.2 25.5 38.3#





#31

Cyclohexane

Concen: 1.159 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012210.D

Acq: 27 Aug 2019 14:07

Instrument :

MSVOA_W

ClientSampled :

PX-09

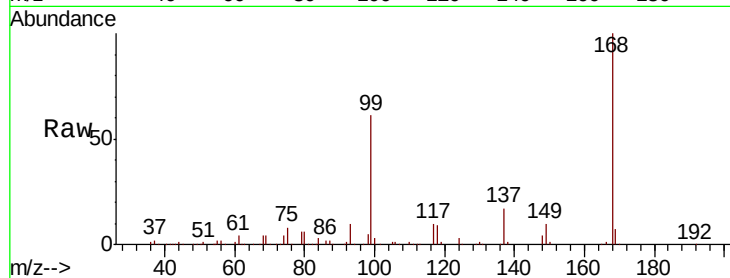
Tgt Ion: 56 Resp: 5836

Ion Ratio Lower Upper

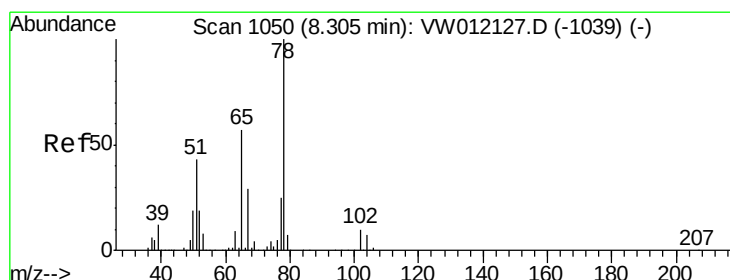
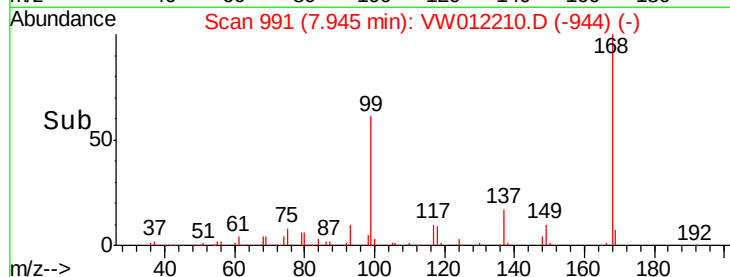
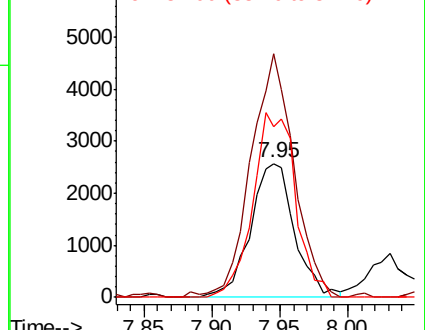
56 100

69 182.2 24.9 37.3#

84 127.5 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: 49.650 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012210.D

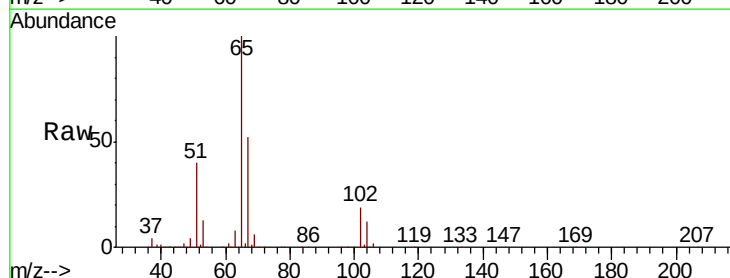
Acq: 27 Aug 2019 14:07

Tgt Ion: 65 Resp: 138774

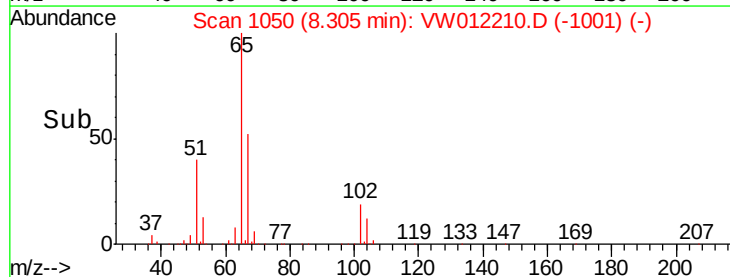
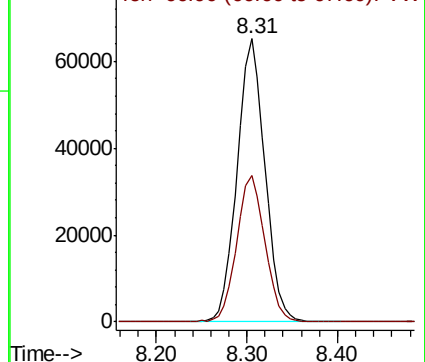
Ion Ratio Lower Upper

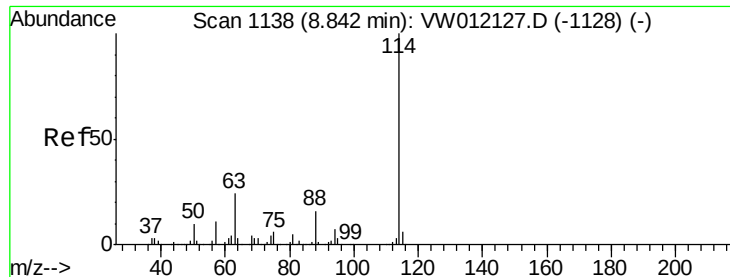
65 100

67 52.6 0.0 102.6



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

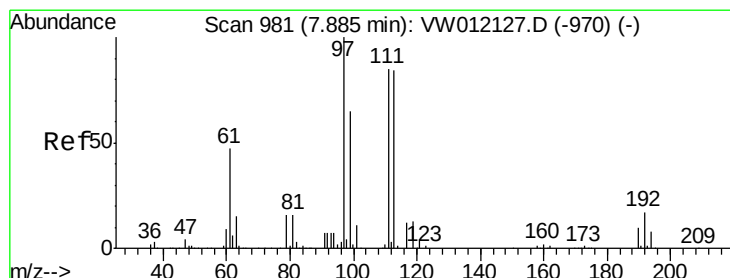
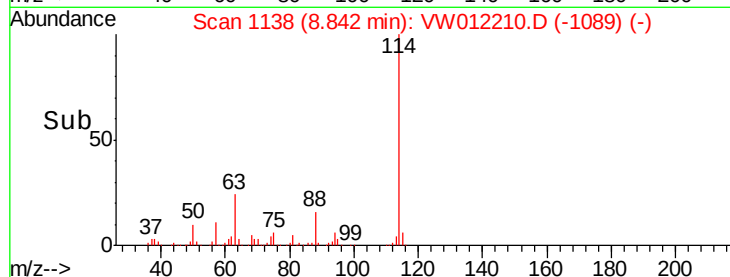
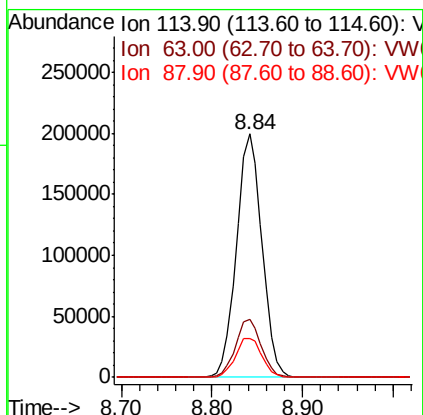
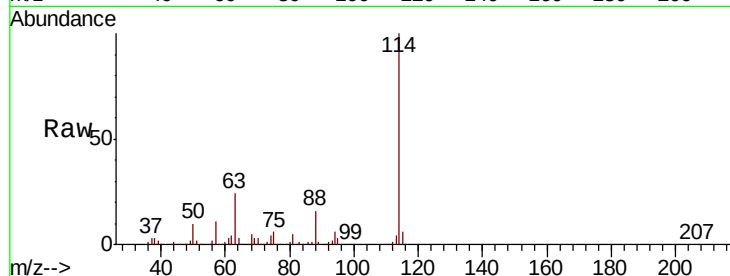




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012210.D
 Acq: 27 Aug 2019 14:07

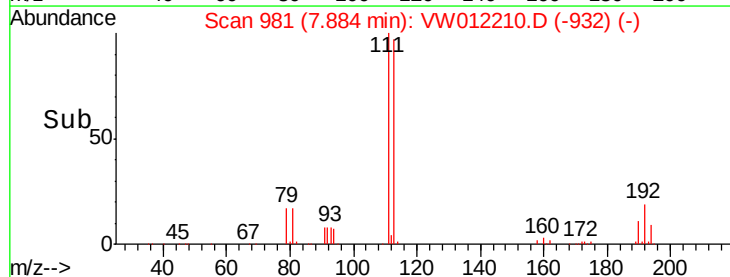
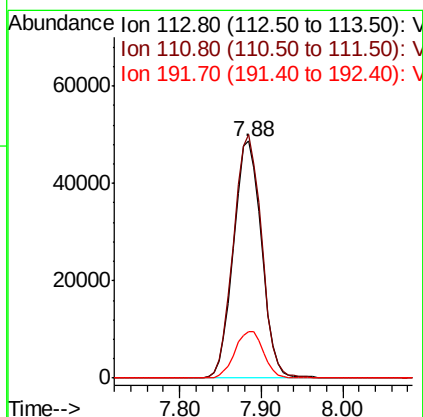
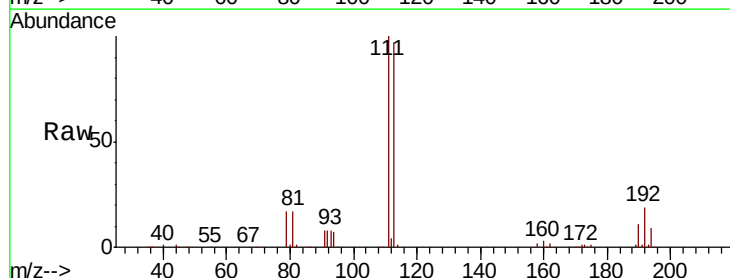
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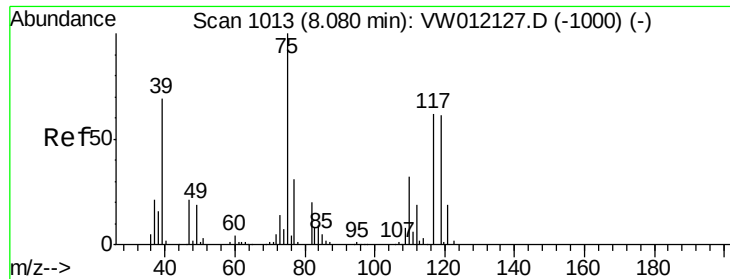
Tgt Ion:114 Resp: 387772
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.6
 88 16.0 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 49.944 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012210.D
 Acq: 27 Aug 2019 14:07

Tgt Ion:113 Resp: 115601
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.7 124.1
 192 20.1 16.2 24.2

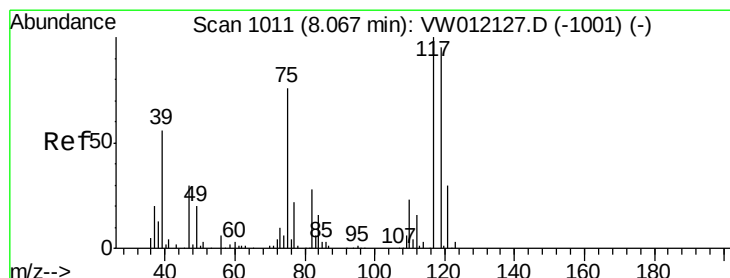
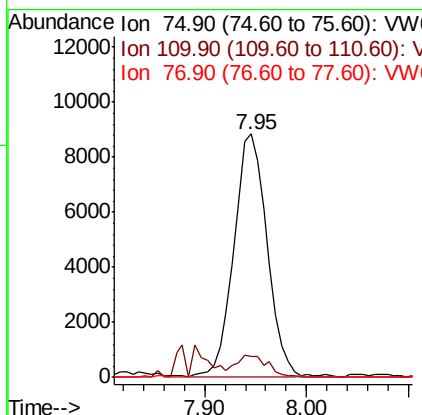
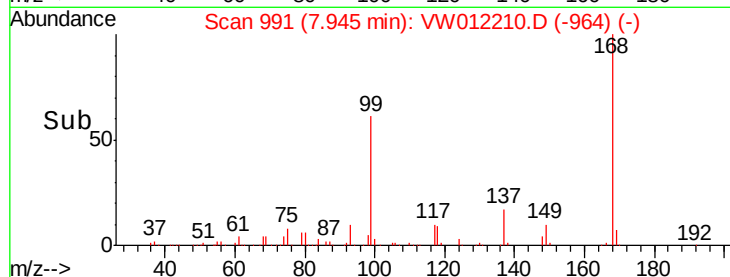
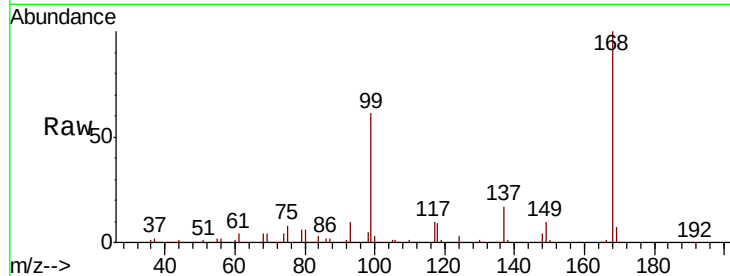




#36
 1,1-Dichloropropene
 Concen: 5.017 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012210.D
 Acq: 27 Aug 2019 14:07

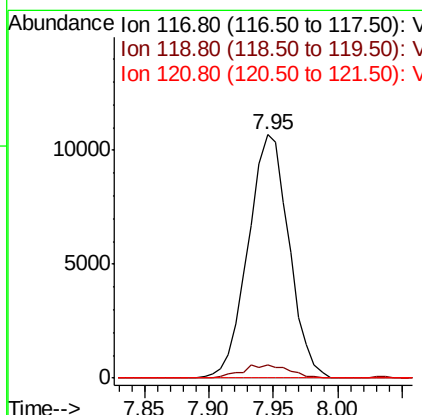
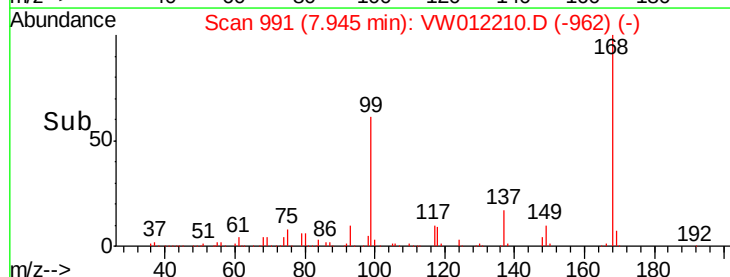
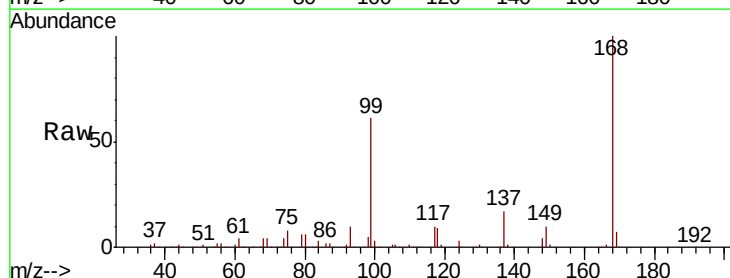
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 MSVOA_W
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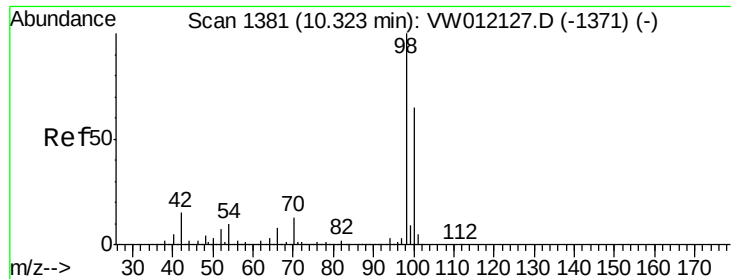
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.6	46.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.743 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012210.D
 Acq: 27 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.2	114.2#
121	0.0	23.8	35.8#





#50

Toluene-d8

Concen: 50.000 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012210.D

Acq: 27 Aug 2019 14:07

Instrument :

MSVOA_W

ClientSampled :

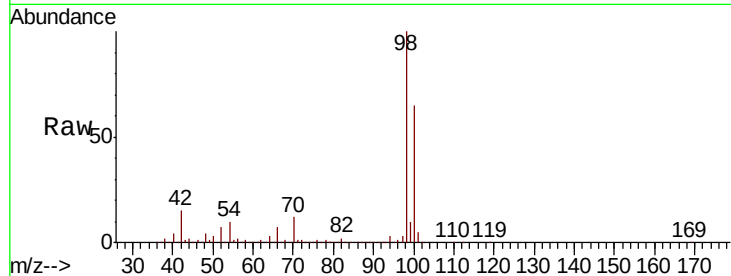
PX-09

Tgt Ion: 98 Resp: 469253

Ion Ratio Lower Upper

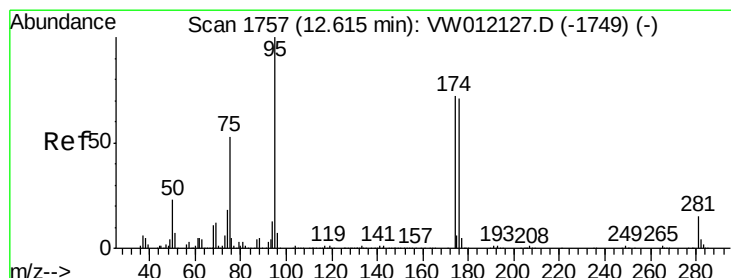
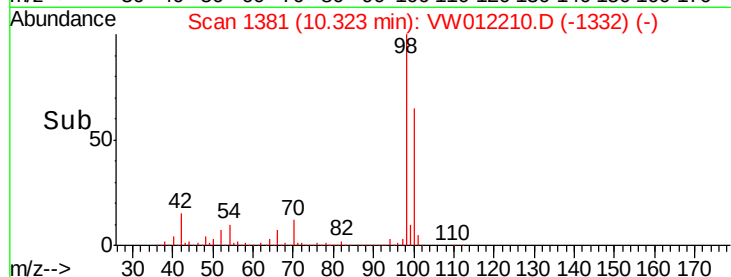
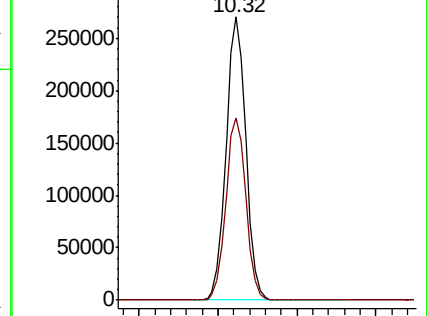
98 100

100 65.2 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: 41.757 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012210.D

Acq: 27 Aug 2019 14:07

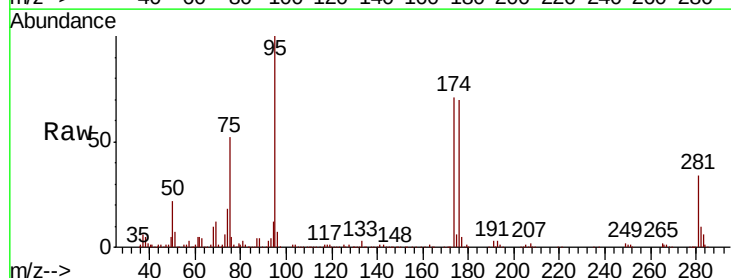
Tgt Ion: 95 Resp: 138142

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.8

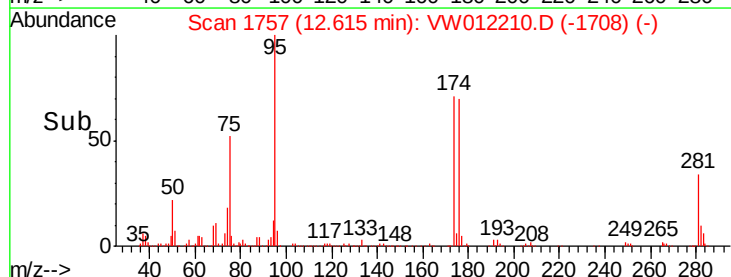
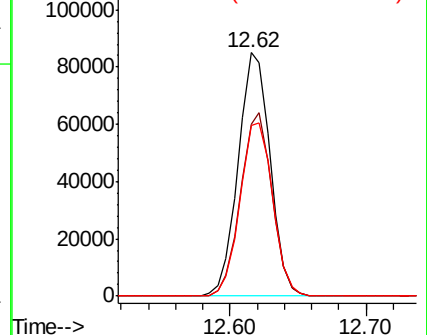
176 73.5 0.0 148.6

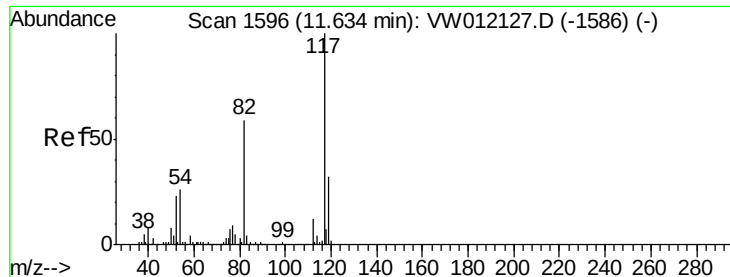


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

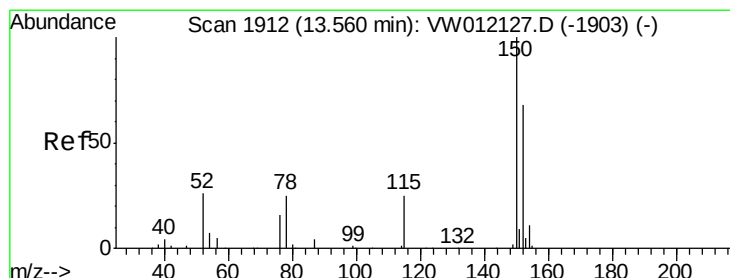
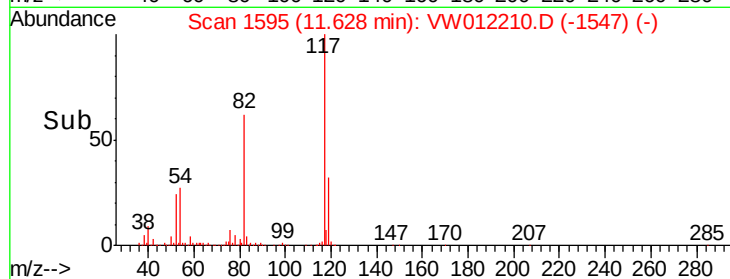
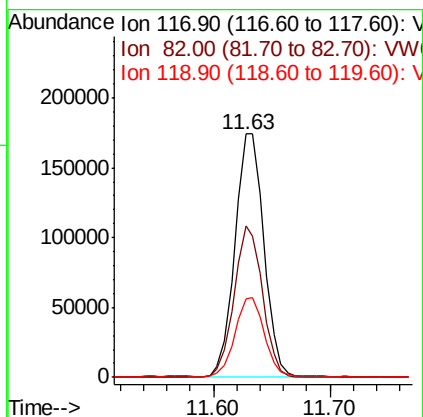
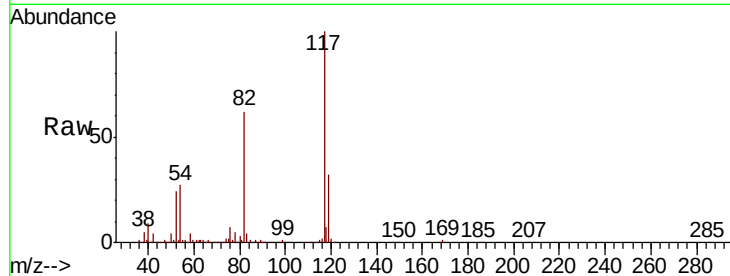




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012210.D
Acq: 27 Aug 2019 14:07

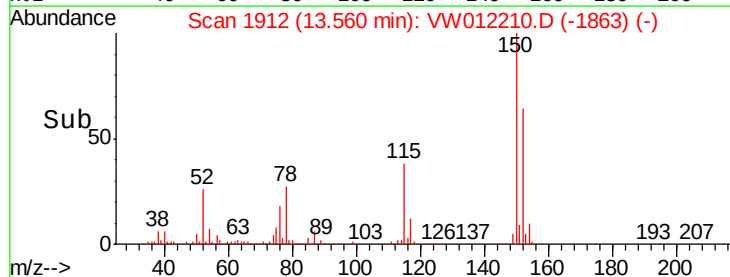
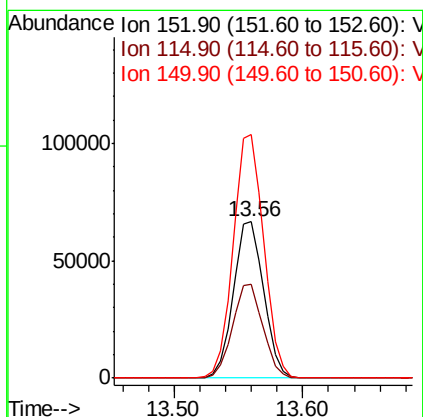
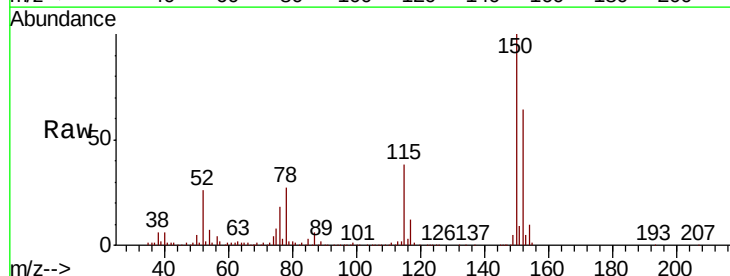
Instrument :
MSVOA_W
ClientSampleId :
PX-09

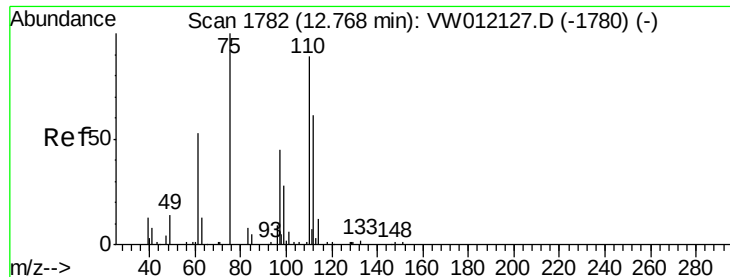
Tgt Ion:117 Resp: 302792
Ion Ratio Lower Upper
117 100
82 62.4 47.4 71.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012210.D
Acq: 27 Aug 2019 14:07

Tgt Ion:152 Resp: 108942
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 156.3 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 68.616 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012210.D

Acq: 27 Aug 2019 14:07

Instrument :

MSVOA_W

ClientSampleId :

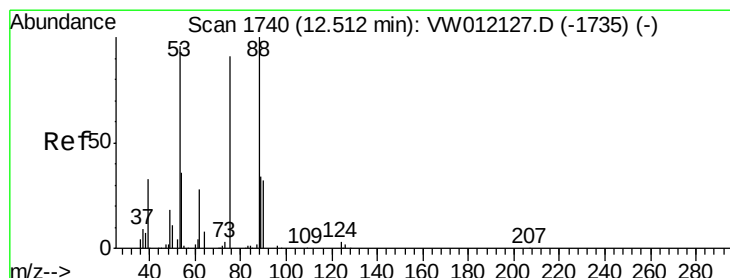
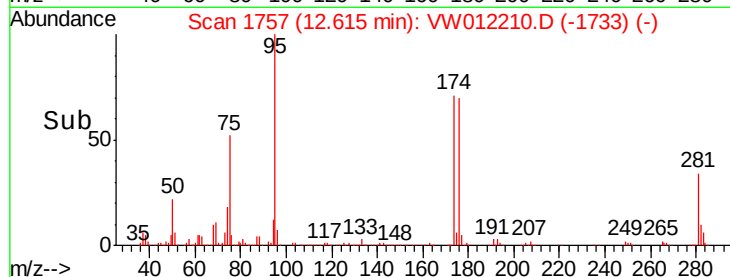
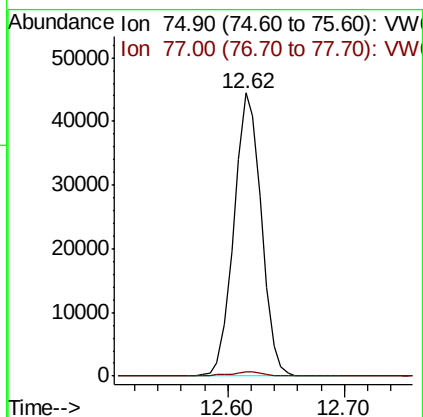
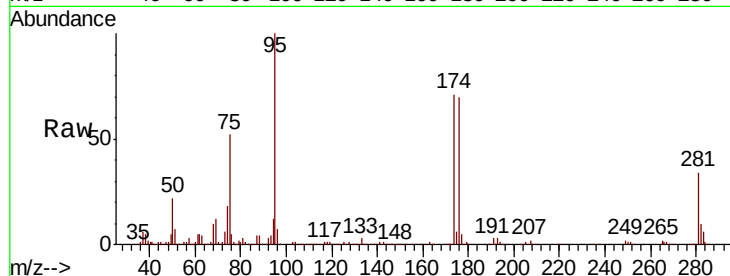
PX-09

Tgt Ion: 75 Resp: 72803

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.444 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012210.D

Acq: 27 Aug 2019 14:07

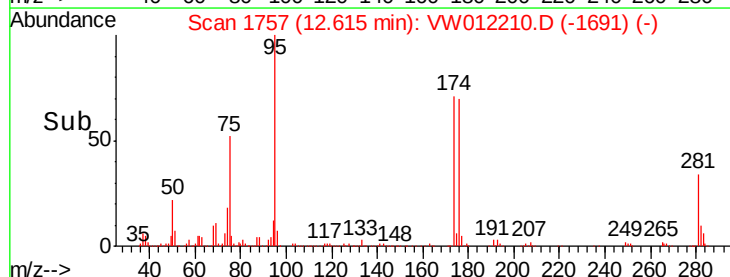
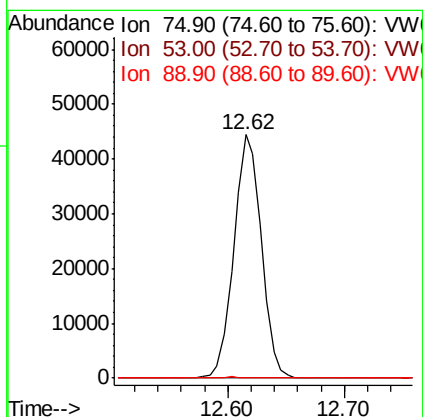
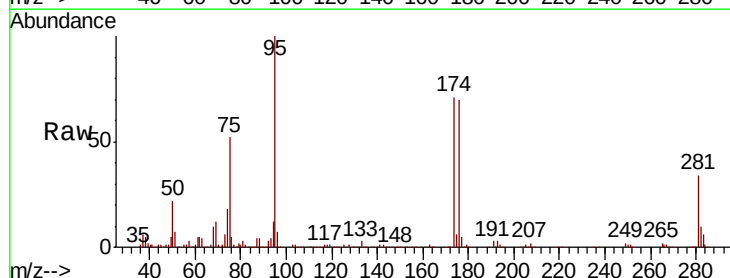
Tgt Ion: 75 Resp: 72803

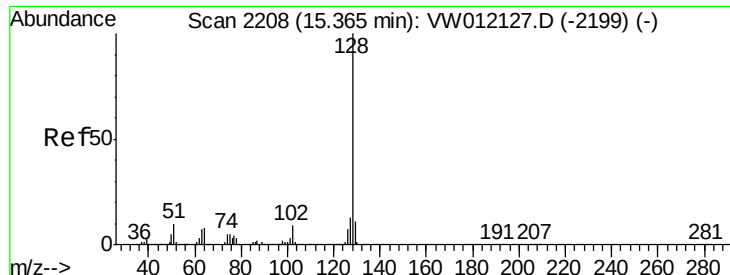
Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.1 34.5 51.7#





#95
Naphthalene
Concen: 4.431 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012210.D
Acq: 27 Aug 2019 14:07

Instrument :
MSVOA_W
ClientSampleId :
PX-09

Tgt Ion	Ratio	Lower	Upper
128	100		
127	52.0	10.7	16.1#
129	28.6	8.7	13.1#

