

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012206.D
 Acq On : 27 Aug 2019 12:24
 Operator : SY/VA
 Sample : K4521-02
 Misc : 4.98G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-05

Quant Time: Aug 28 04:55:50 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	231165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	382584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110368	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	141227	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.88	113	115046	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.32	98	463293	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.62	95	144916	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	

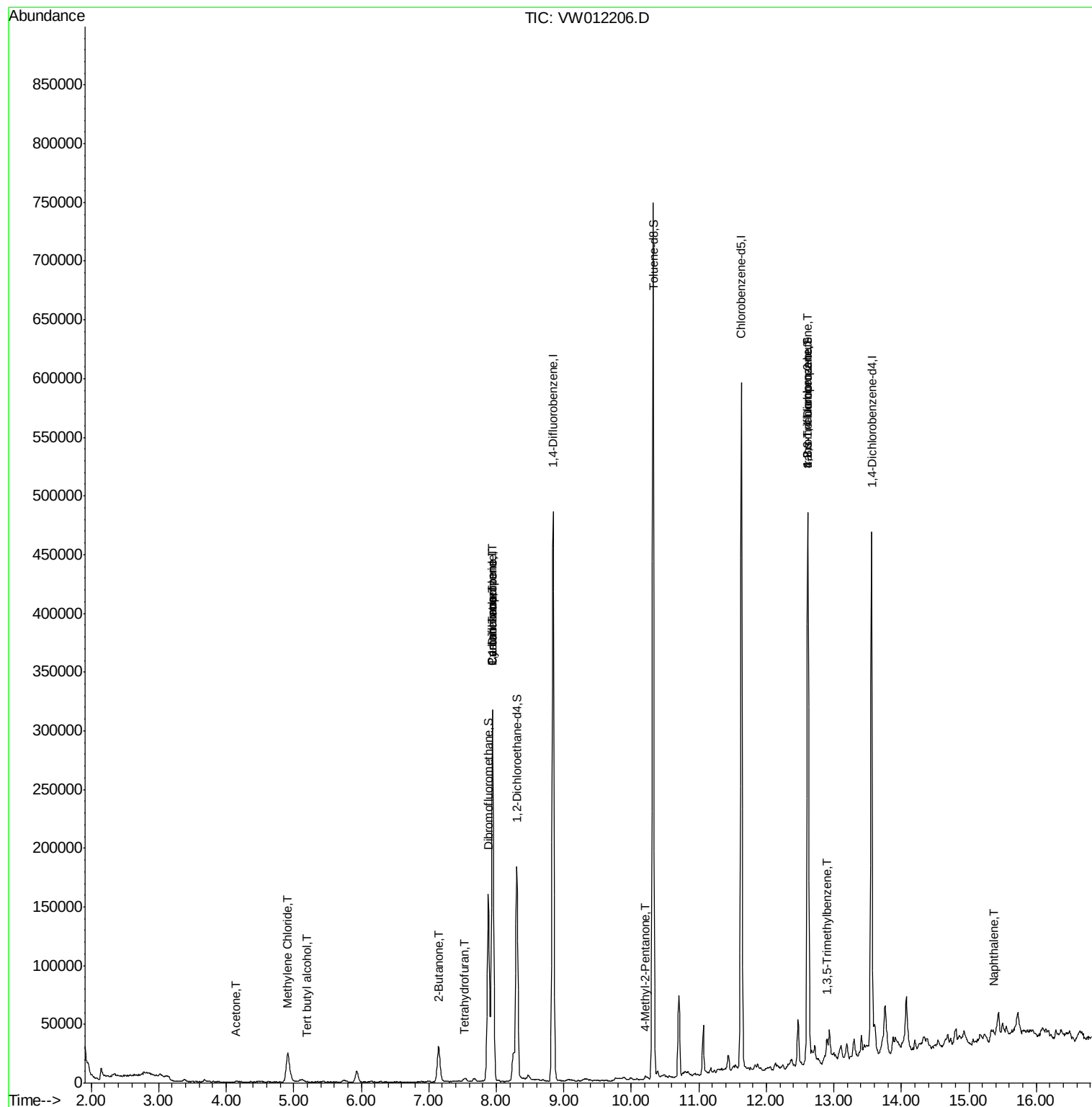
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	407	2.461	ug/l #	71
16) Acetone	4.14	43	785	1.118	ug/l #	89
20) Methylene Chloride	4.92	84	18871	7.106	ug/l	96
25) 2-Butanone	7.14	43	2285	2.394	ug/l #	84
29) Tetrahydrofuran	7.53	42	2285	3.990	ug/l	99
31) Cyclohexane	7.94	56	5881	1.188	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19577	4.952	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22752	6.649	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	2374	1.163	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	75741	70.463	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.90	105	11724	1.697	ug/l	69
81) trans-1,4-Dichloro-2-buten	12.62	75	75741	154.493	ug/l #	6
95) Naphthalene	15.37	128	959	4.532	ug/l #	59

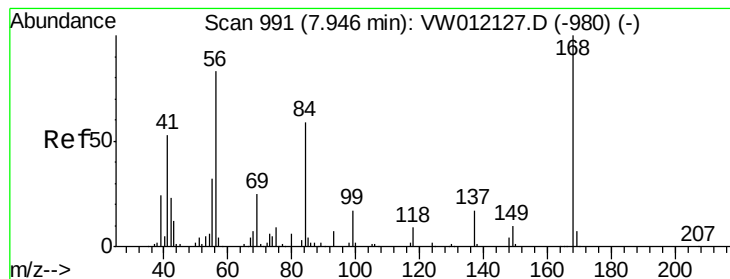
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012206.D

Acq: 27 Aug 2019 12:24

Instrument :

MSVOA_W

ClientSampled :

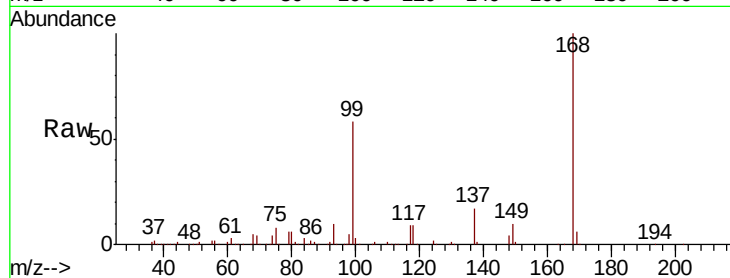
PX-05

Tgt Ion:168 Resp: 231165

Ion Ratio Lower Upper

168 100

99 57.9 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

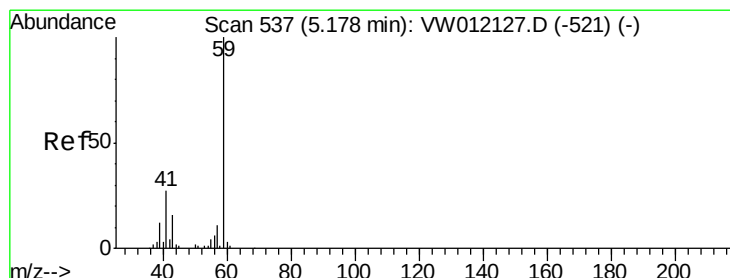
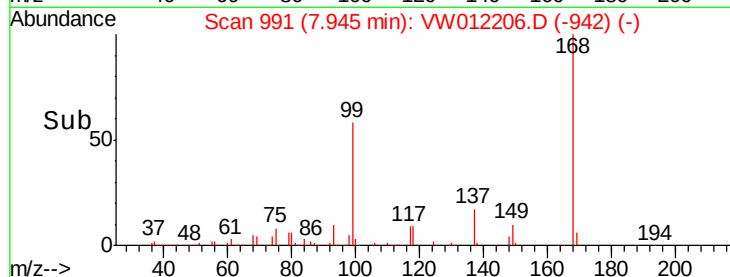
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.461 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW012206.D

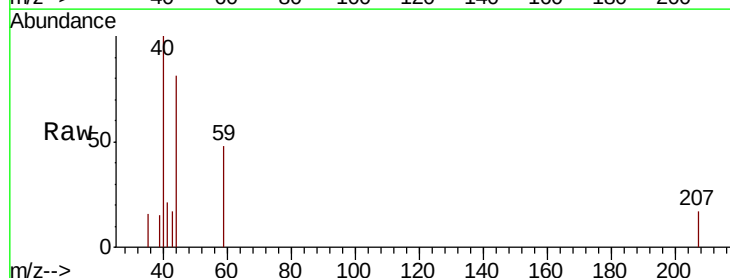
Acq: 27 Aug 2019 12:24

Tgt Ion: 59 Resp: 407

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

250

200

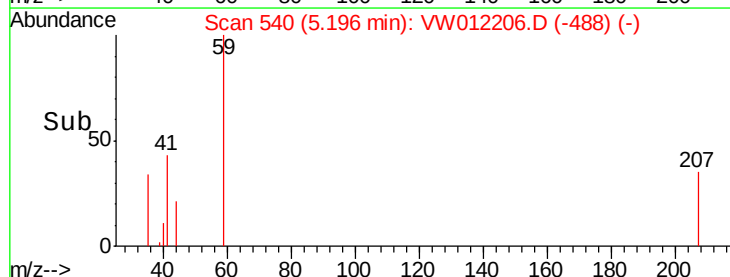
150

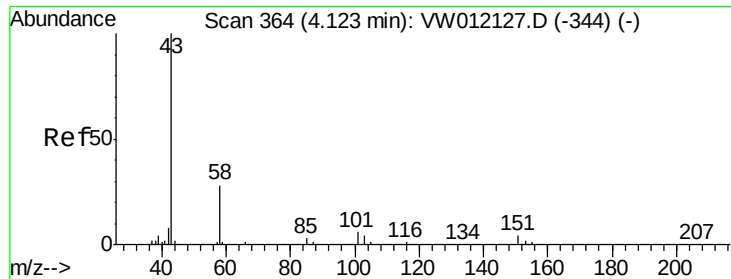
100

50

0

Time--> 5.18 5.20 5.22 5.24

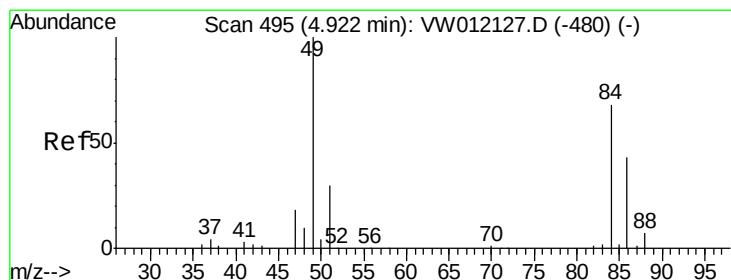
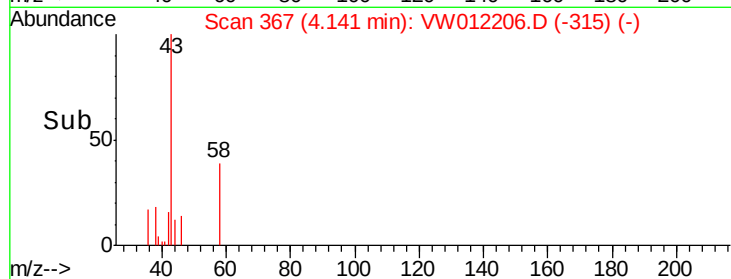
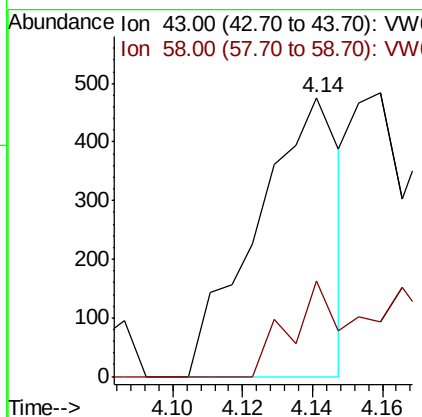
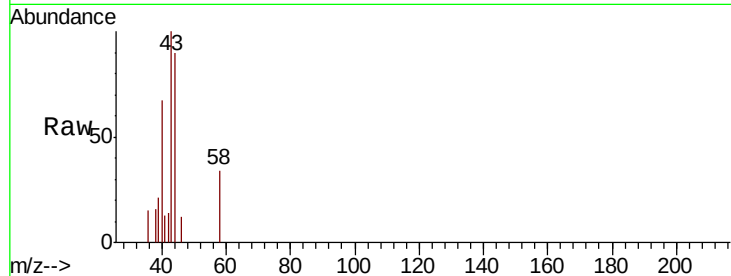




#16
Acetone
Concen: 1.118 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012206.D
Acq: 27 Aug 2019 12:24

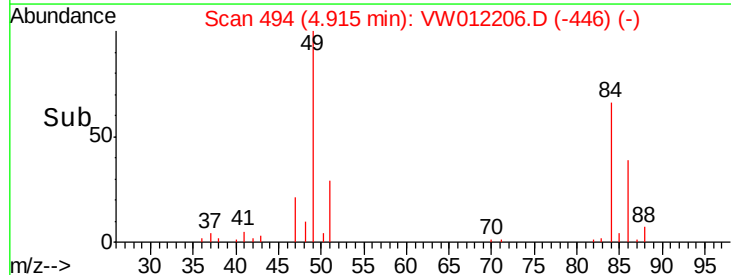
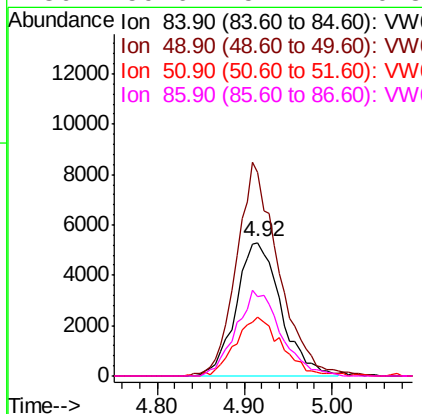
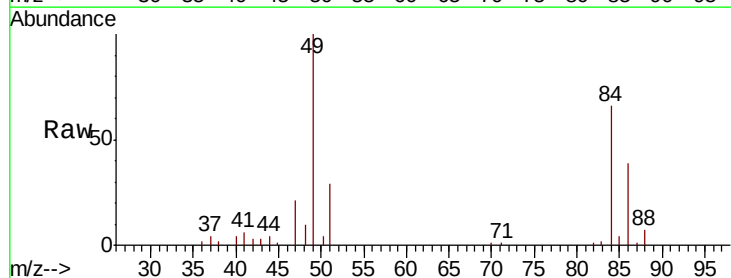
Instrument :
MSVOA_W
ClientSampled :
PX-05

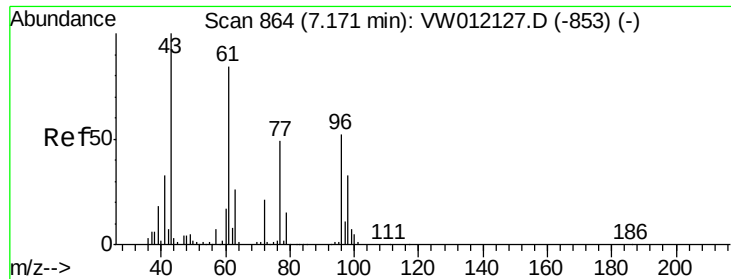
Tgt Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
58 34.0 22.4 33.6#



#20
Methylene Chloride
Concen: 7.106 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012206.D
Acq: 27 Aug 2019 12:24

Tgt Ion: 84 Resp: 18871
Ion Ratio Lower Upper
84 100
49 152.2 117.8 176.8
51 43.5 35.6 53.4
86 59.6 51.2 76.8





#25

2-Butanone

Concen: 2.394 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW012206.D

Acq: 27 Aug 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

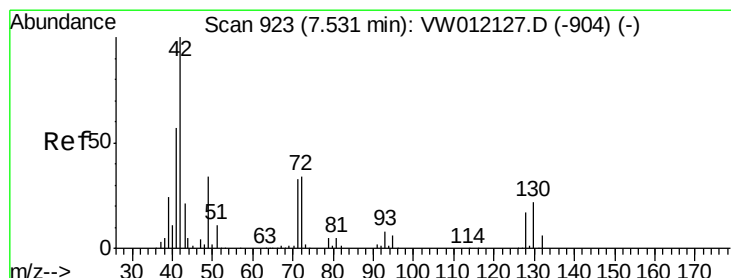
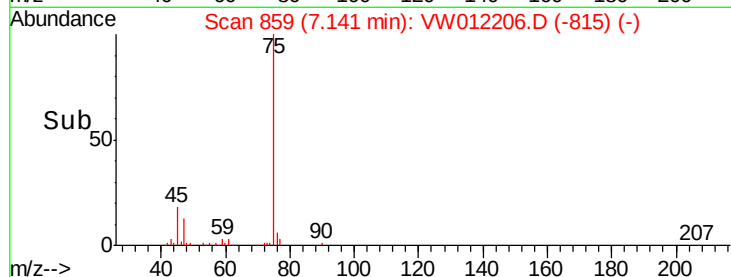
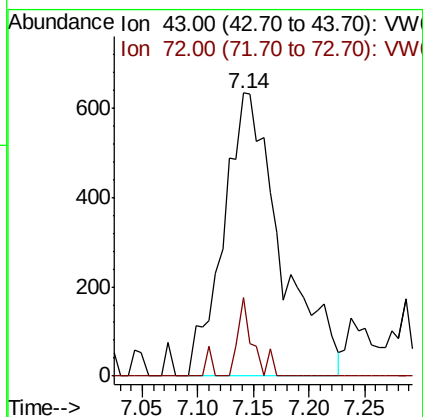
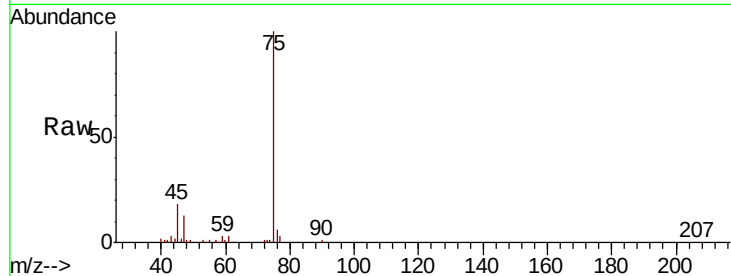
PX-05

Tgt Ion: 43 Resp: 2285

Ion Ratio Lower Upper

43 100

72 28.0 16.6 24.8#



#29

Tetrahydrofuran

Concen: 3.990 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012206.D

Acq: 27 Aug 2019 12:24

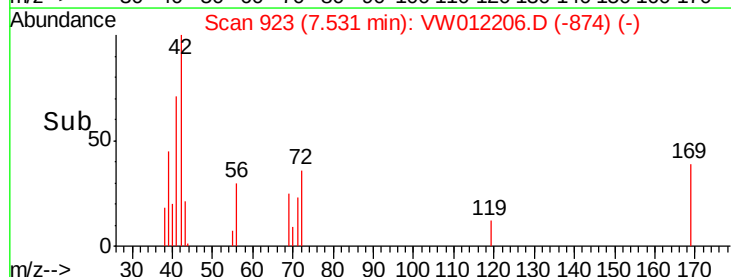
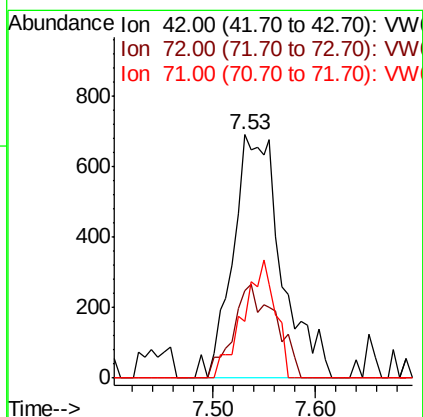
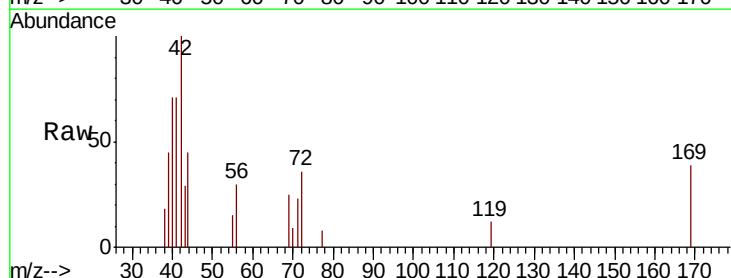
Tgt Ion: 42 Resp: 2285

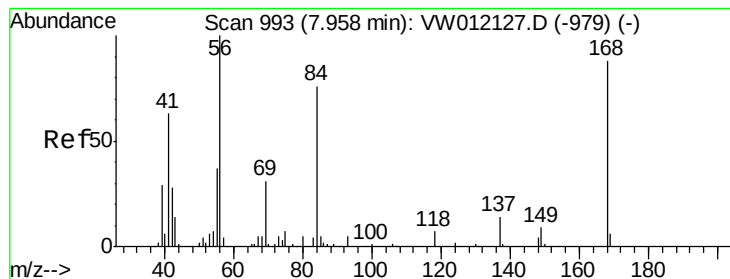
Ion Ratio Lower Upper

42 100

72 33.3 27.3 40.9

71 31.9 25.5 38.3





#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012206.D

Acq: 27 Aug 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

PX-05

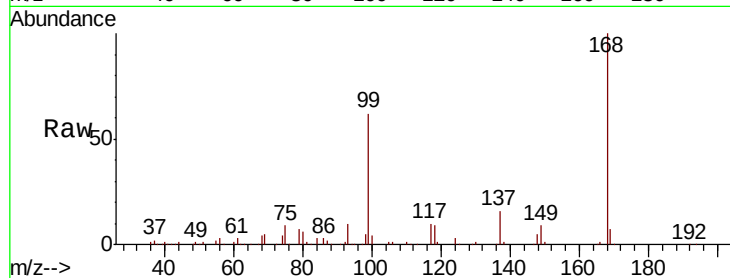
Tgt Ion: 56 Resp: 5881

Ion Ratio Lower Upper

56 100

69 168.6 24.9 37.3#

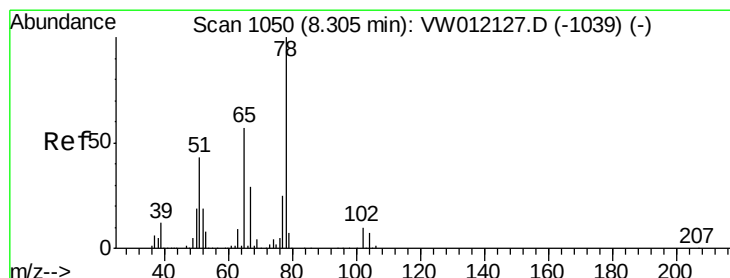
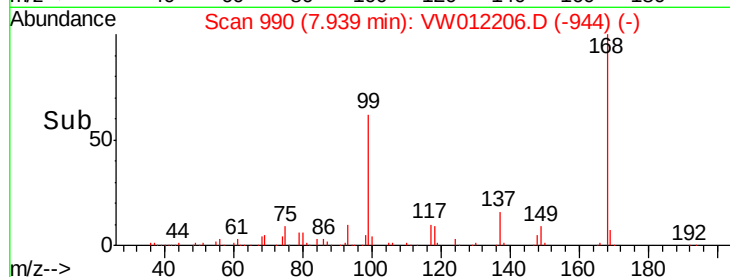
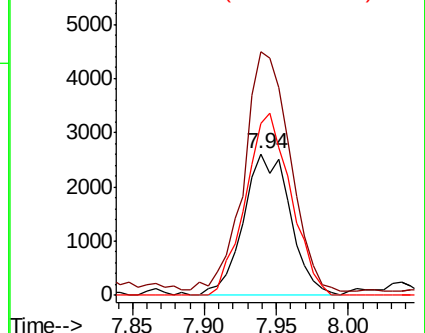
84 121.4 60.6 90.8#



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: 51.393 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012206.D

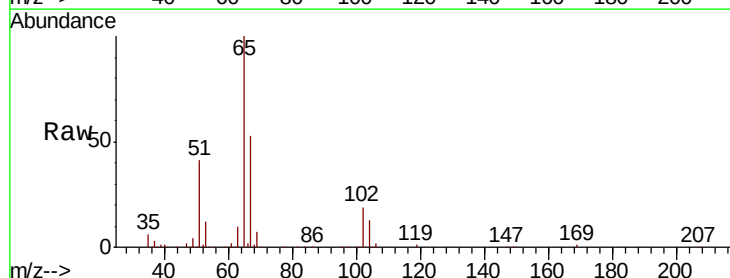
Acq: 27 Aug 2019 12:24

Tgt Ion: 65 Resp: 141227

Ion Ratio Lower Upper

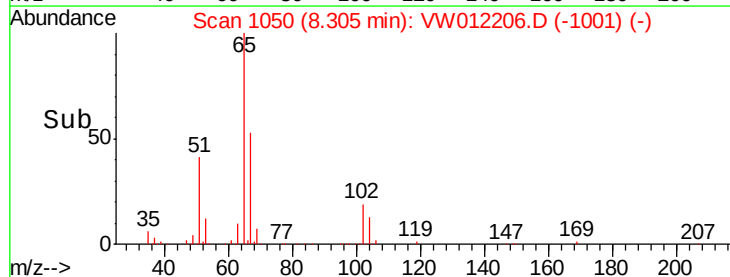
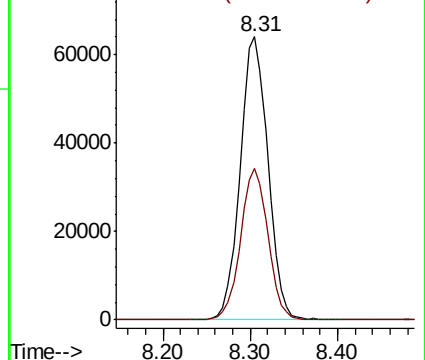
65 100

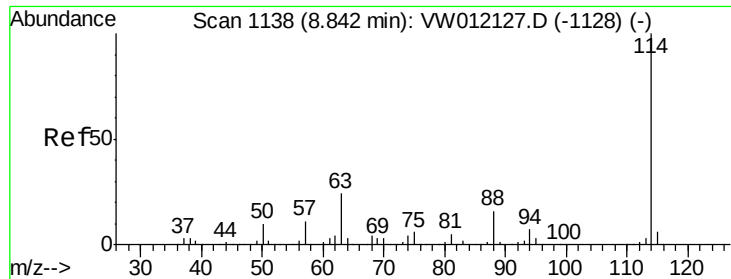
67 53.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

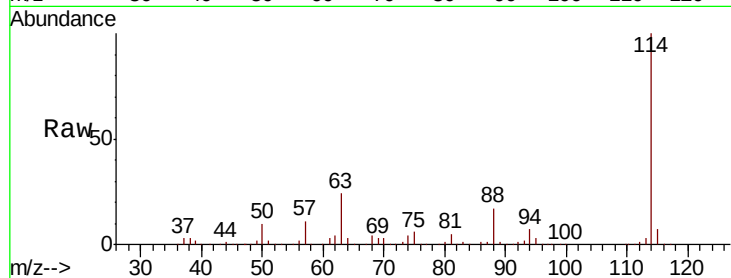




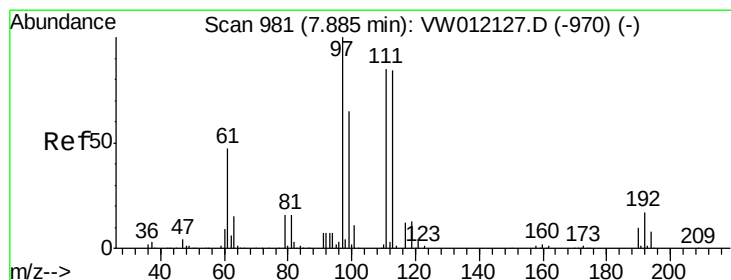
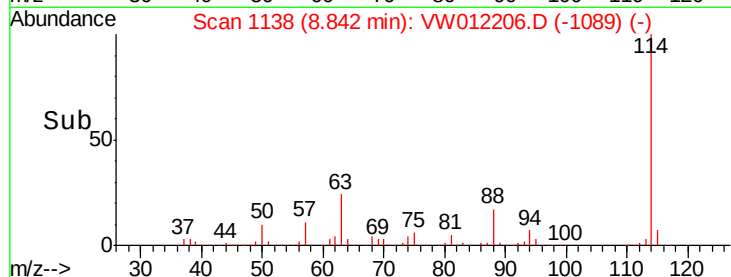
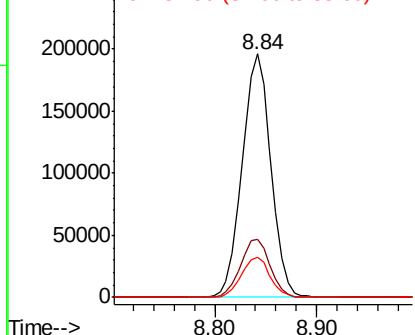
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012206.D
 Acq: 27 Aug 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-05

Tgt Ion:114 Resp: 382584
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.6
 88 16.6 0.0 32.2

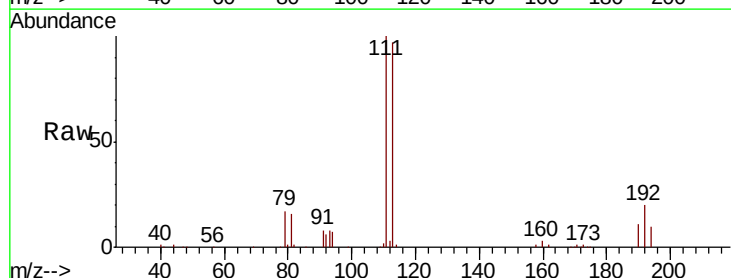


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

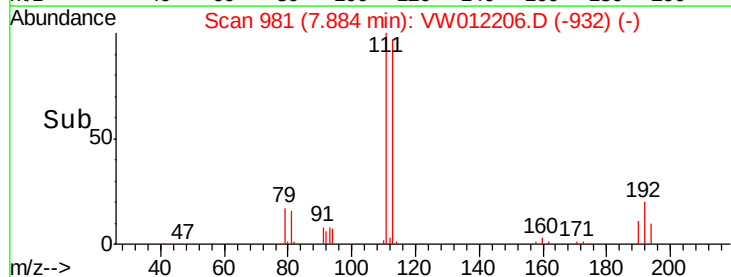
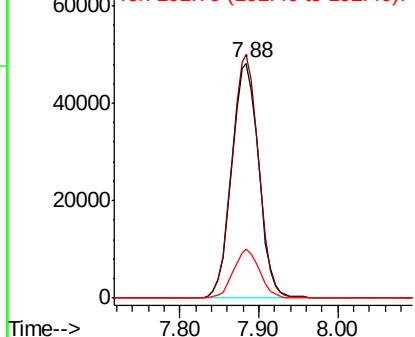


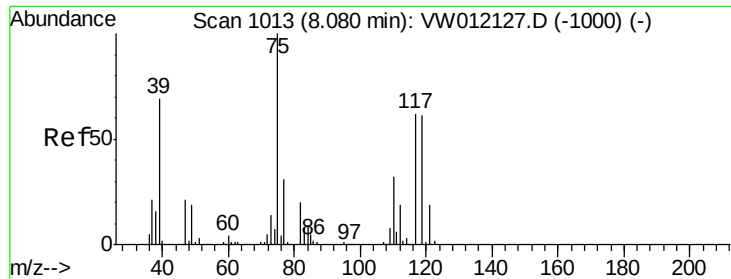
#35
 Dibromofluoromethane
 Concen: 50.378 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012206.D
 Acq: 27 Aug 2019 12:24

Tgt Ion:113 Resp: 115046
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 20.2 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

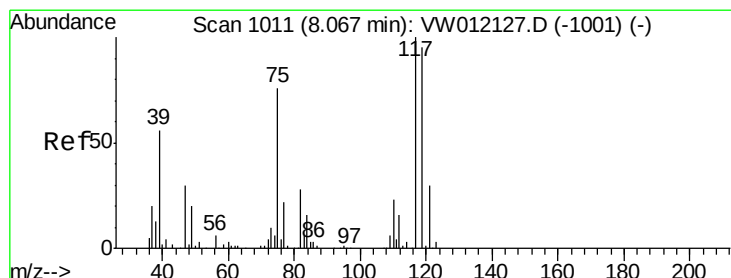
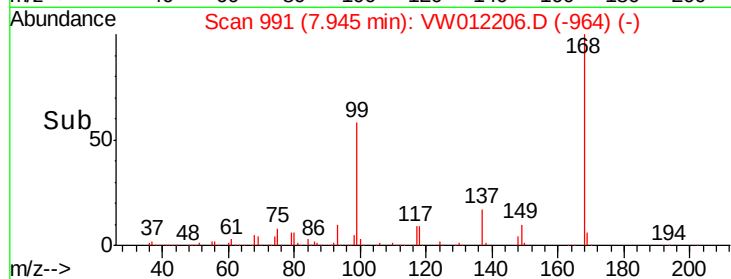
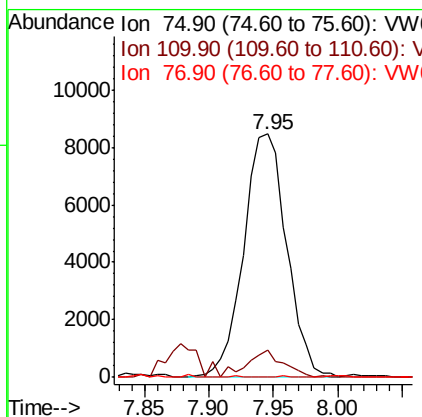
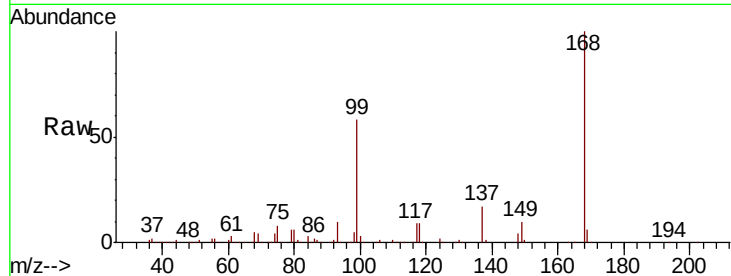




#36
 1,1-Dichloropropene
 Concen: 4.952 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012206.D
 Acq: 27 Aug 2019 12:24

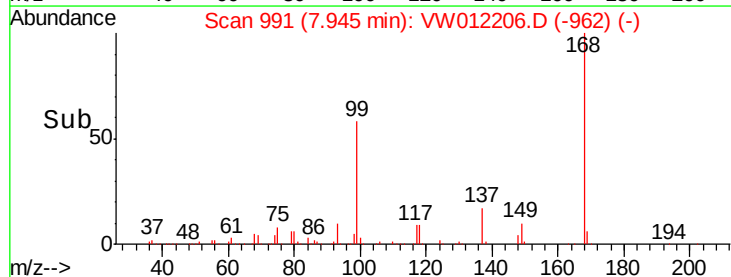
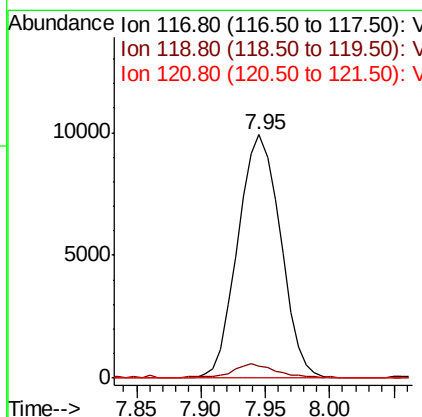
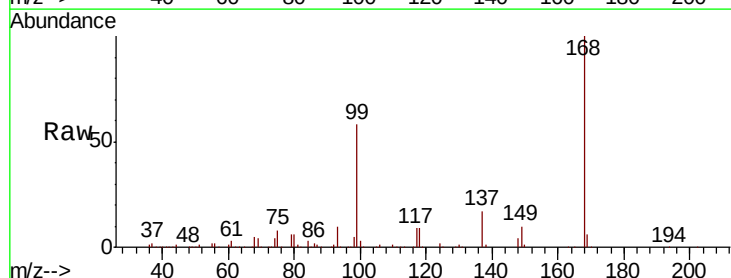
Instrument :
 MSVOA_W
 ClientSampled :
 PX-05

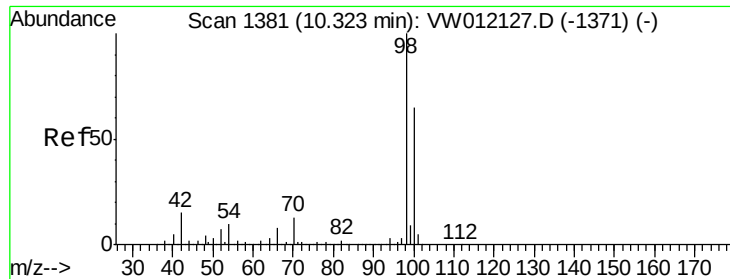
Tgt Ion: 75 Resp: 19577
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.649 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012206.D
 Acq: 27 Aug 2019 12:24

Tgt Ion: 117 Resp: 22752
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.2 114.2#
 121 0.0 23.8 35.8#

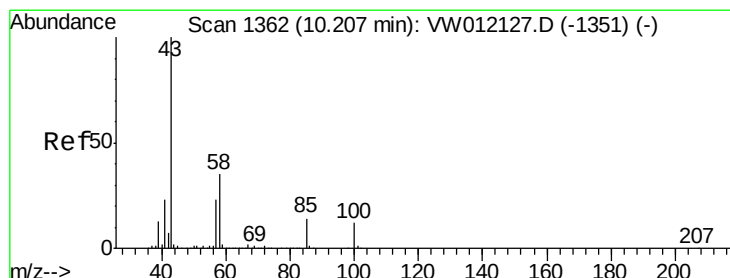
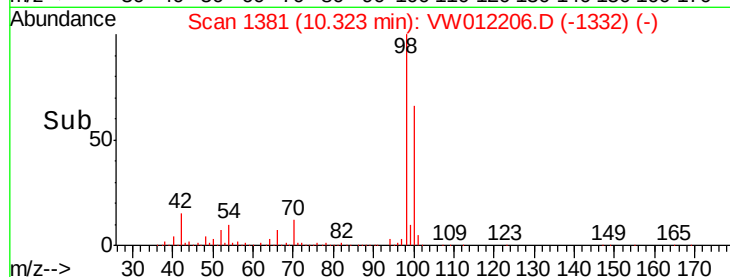
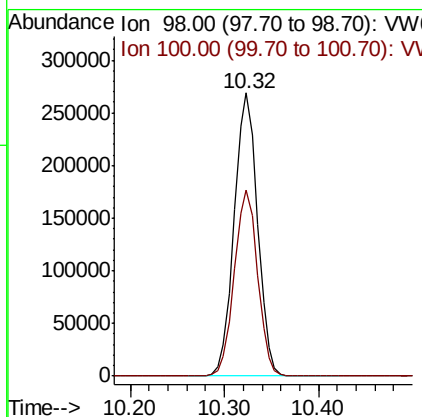
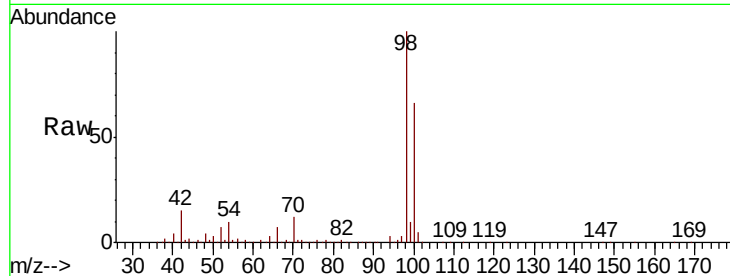




#50
Toluene-d8
Concen: 50.034 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012206.D
Acq: 27 Aug 2019 12:24

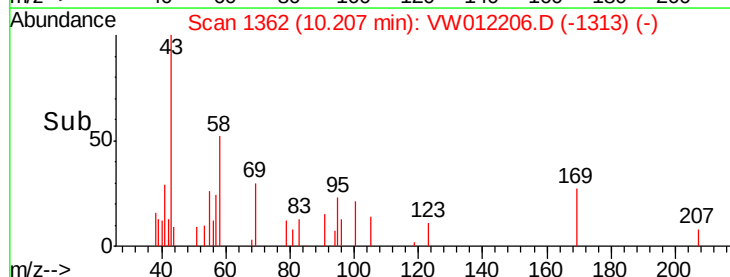
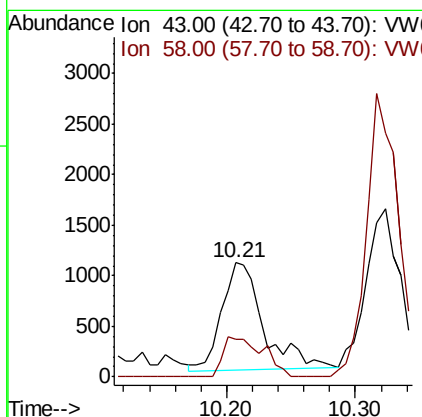
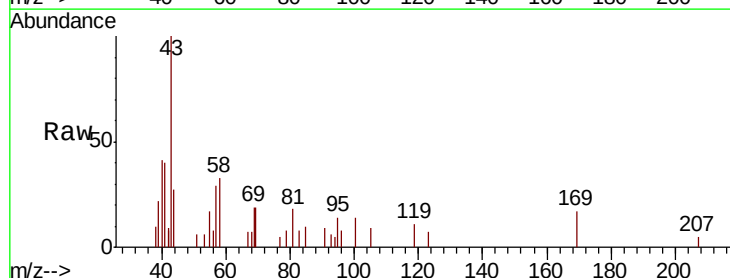
Instrument :
MSVOA_W
ClientSampled :
PX-05

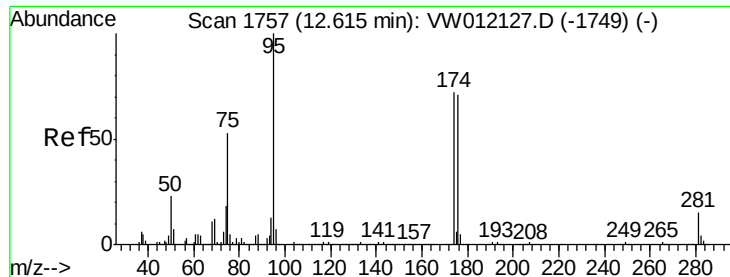
Tgt Ion: 98 Resp: 463293
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.163 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012206.D
Acq: 27 Aug 2019 12:24

Tgt Ion: 43 Resp: 2374
Ion Ratio Lower Upper
43 100
58 36.0 28.2 42.2

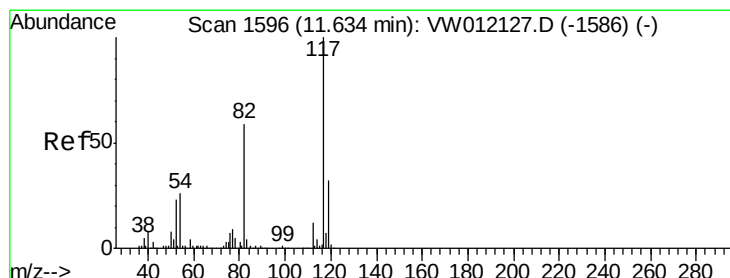
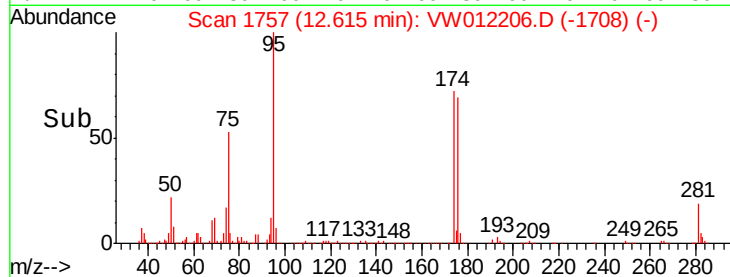
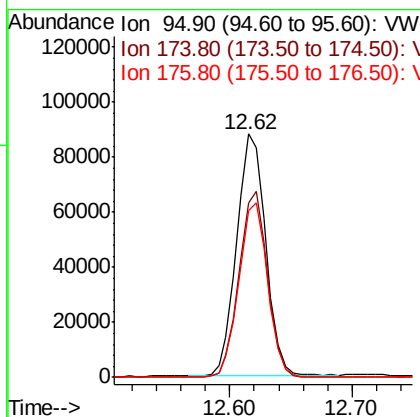
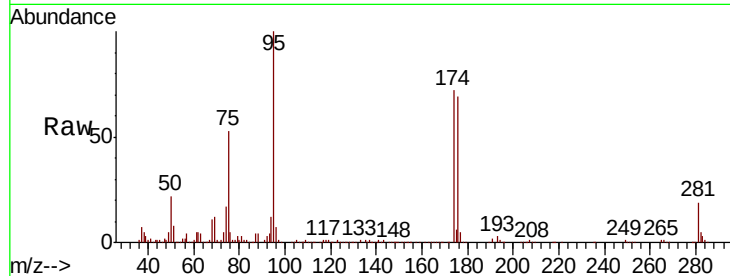




#62
4-Bromofluorobenzene
Concen: 44.398 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012206.D
Acq: 27 Aug 2019 12:24

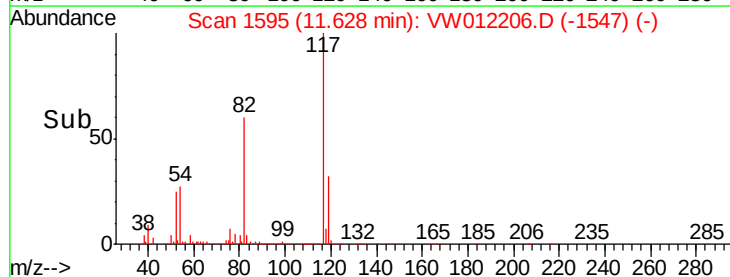
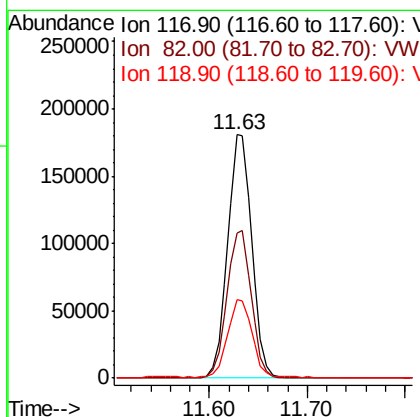
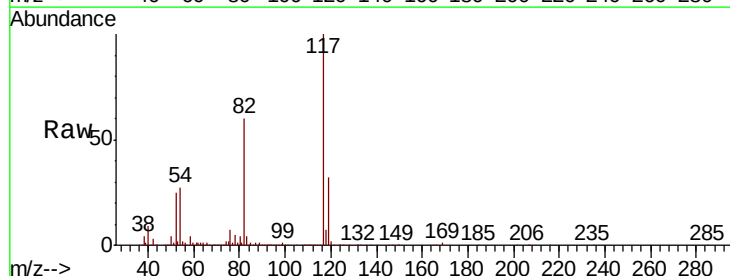
Instrument :
MSVOA_W
ClientSampleId :
PX-05

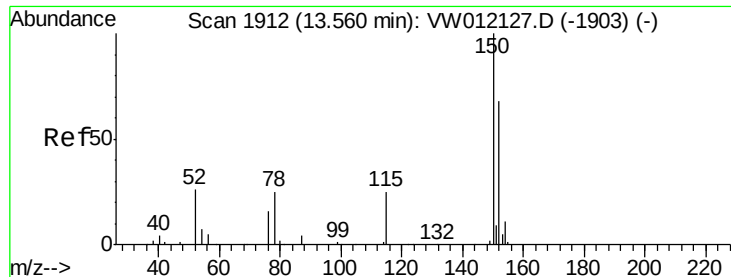
Tgt Ion: 95 Resp: 144916
Ion Ratio Lower Upper
95 100
174 75.2 0.0 150.8
176 71.4 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012206.D
Acq: 27 Aug 2019 12:24

Tgt Ion: 117 Resp: 309115
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 32.0 25.4 38.2

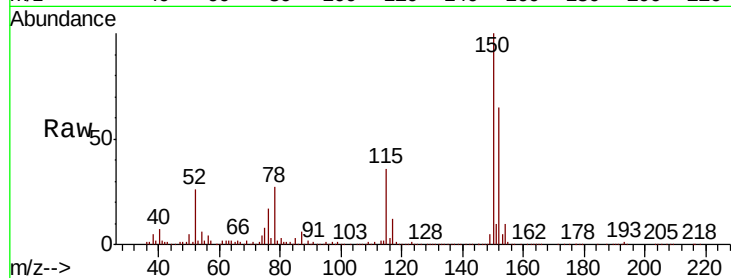




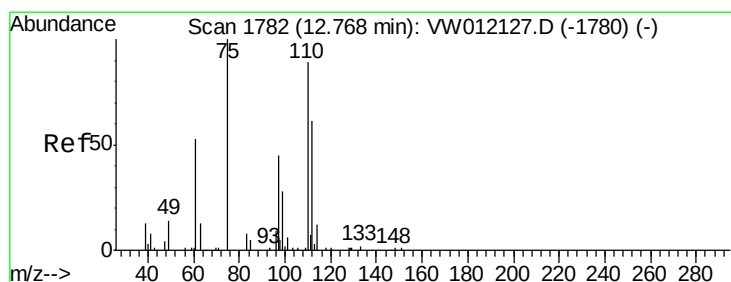
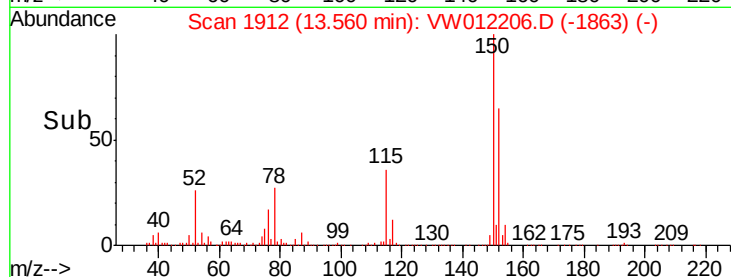
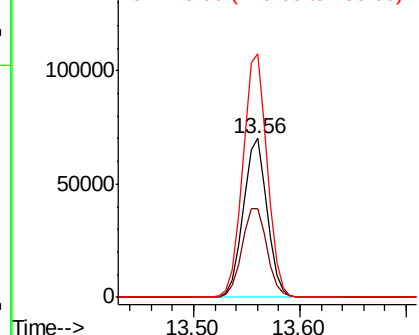
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW012206.D
 Acq: 27 Aug 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-05

Tgt Ion:152 Resp: 110368
 Ion Ratio Lower Upper
 152 100
 115 59.0 30.1 90.3
 150 155.4 0.0 345.8

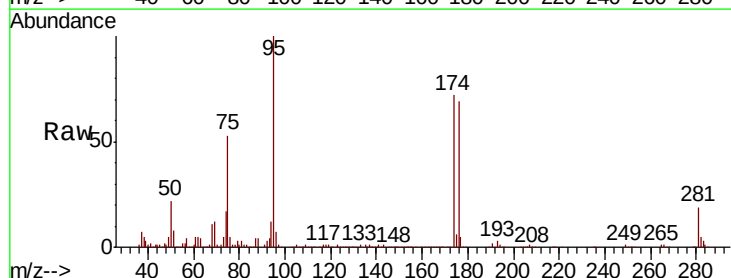


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

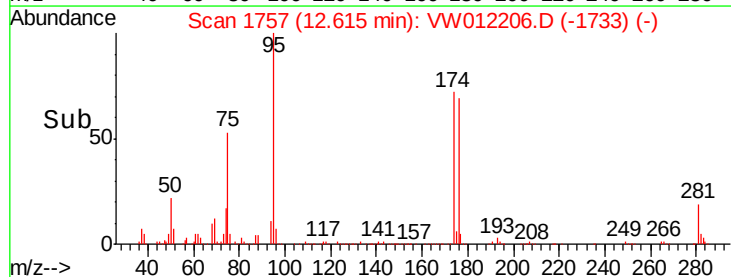
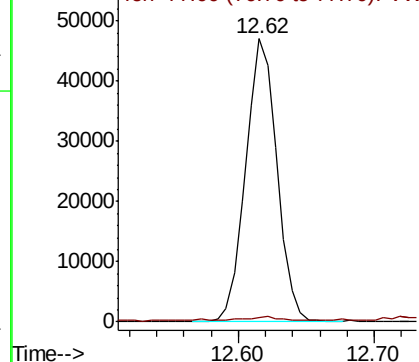


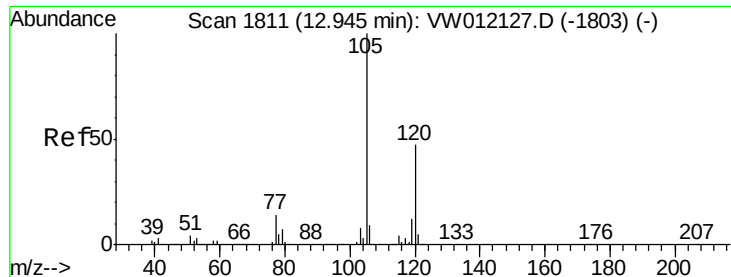
#76
 1,2,3-Trichloropropane
 Concen: 70.463 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012206.D
 Acq: 27 Aug 2019 12:24

Tgt Ion: 75 Resp: 75741
 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

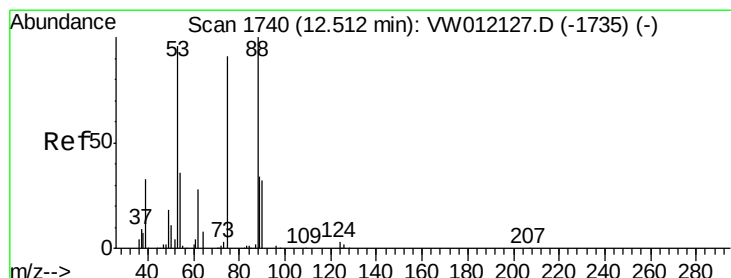
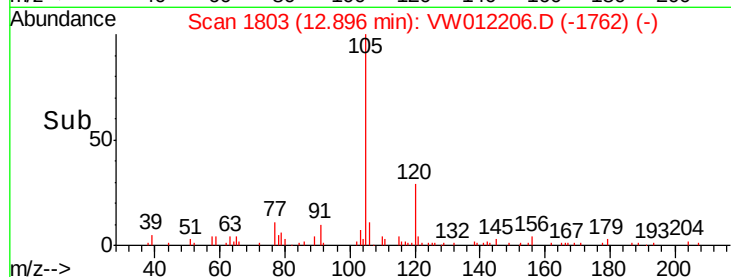
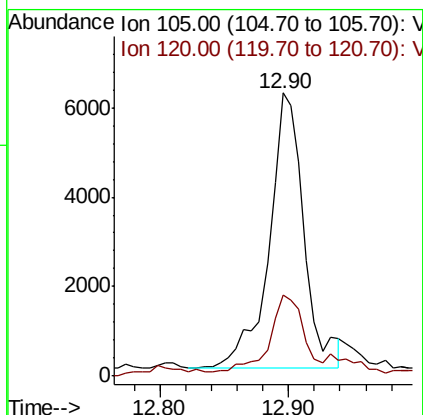
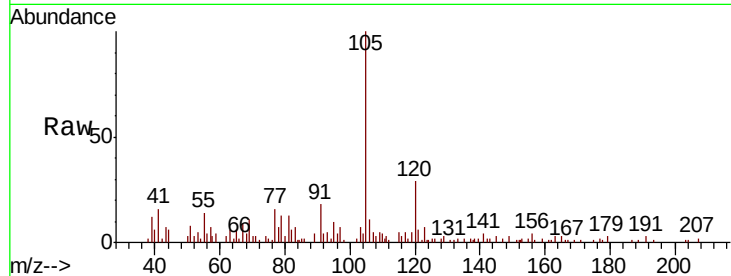




#80
 1,3,5-Trimethylbenzene
 Concen: 1.697 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.05 min
 Lab File: VW012206.D
 Acq: 27 Aug 2019 12:24

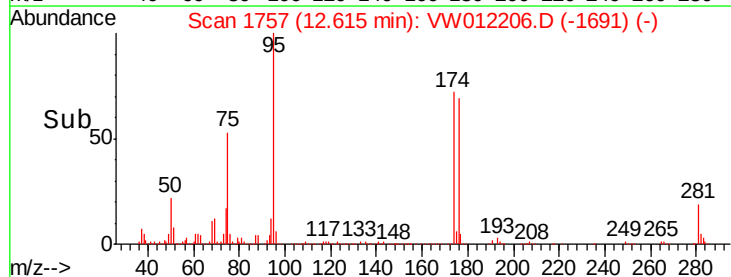
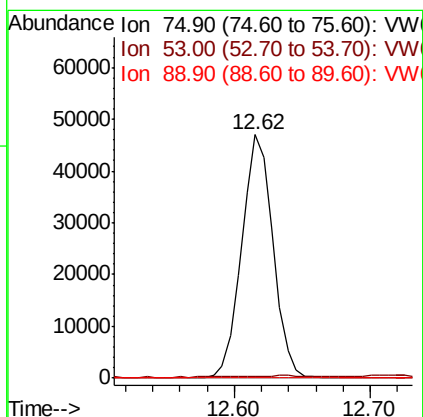
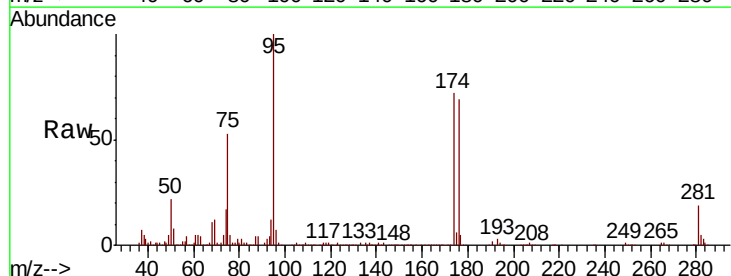
Instrument :
 MSVOA_W
 ClientSampleId :
 PX-05

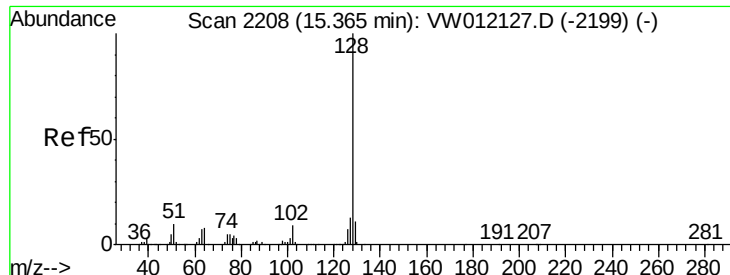
Tgt Ion:105 Resp: 11724
 Ion Ratio Lower Upper
 105 100
 120 27.1 24.0 72.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.493 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012206.D
 Acq: 27 Aug 2019 12:24

Tgt Ion: 75 Resp: 75741
 Ion Ratio Lower Upper
 75 100
 53 0.3 89.4 134.0#
 89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 4.532 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012206.D
Acq: 27 Aug 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
PX-05

Tgt Ion	Ratio	Lower	Upper
128	100		
127	32.0	10.7	16.1#
129	23.8	8.7	13.1#

