

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012209.D
 Acq On : 27 Aug 2019 13:41
 Operator : SY/VA
 Sample : K4521-05
 Misc : 4.14G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-08

Quant Time: Aug 28 04:56:30 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	250083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	420719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	353026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151282	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	150754	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
35) Dibromofluoromethane	7.88	113	123992	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	10.32	98	517925	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.62	95	171173	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	

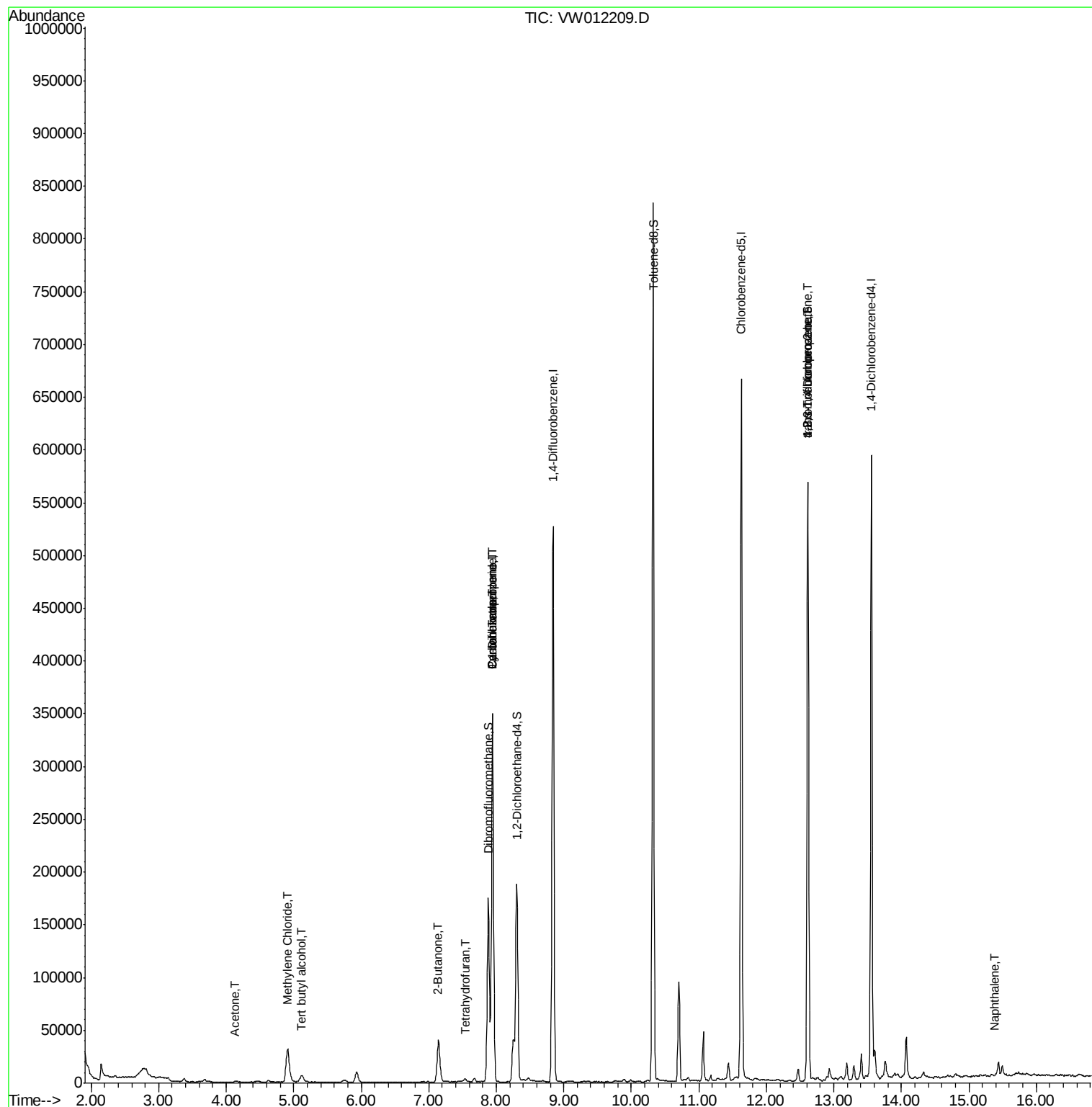
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	6595	36.863	ug/l #	73
16) Acetone	4.14	43	2454	3.229	ug/l #	88
20) Methylene Chloride	4.92	84	23409	8.148	ug/l	96
25) 2-Butanone	7.14	43	2877	2.786	ug/l #	85
29) Tetrahydrofuran	7.55	42	2578	4.161	ug/l	96
31) Cyclohexane	7.95	56	6307	1.178	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21550	4.957	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25656	6.818	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	90753	61.595	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90753	135.050	ug/l #	6
95) Naphthalene	15.37	128	604	4.418	ug/l #	69

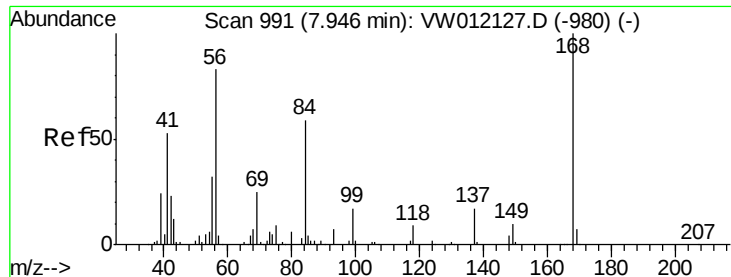
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VW012209.D

Acq: 27 Aug 2019 13:41

Instrument :

MSVOA_W

ClientSampled :

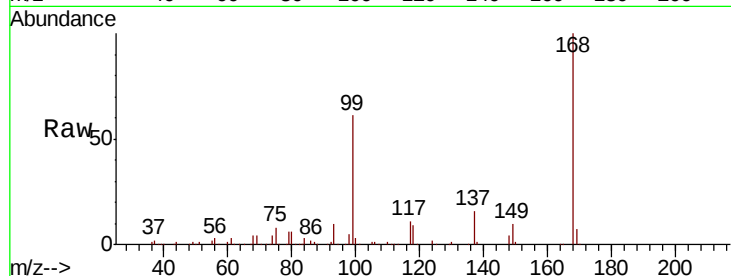
PX-08

Tgt Ion:168 Resp: 250083

Ion Ratio Lower Upper

168 100

99 61.0 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

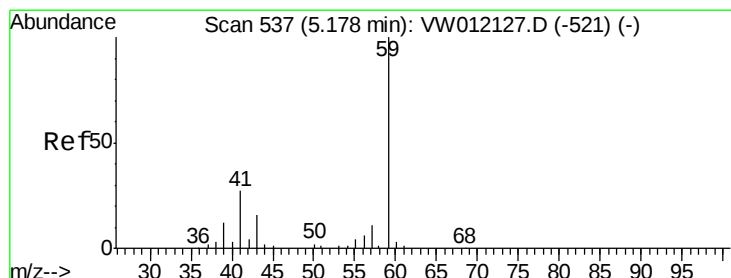
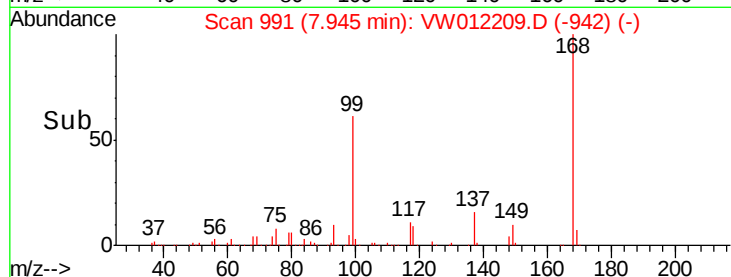
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 36.863 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.06 min

Lab File: VW012209.D

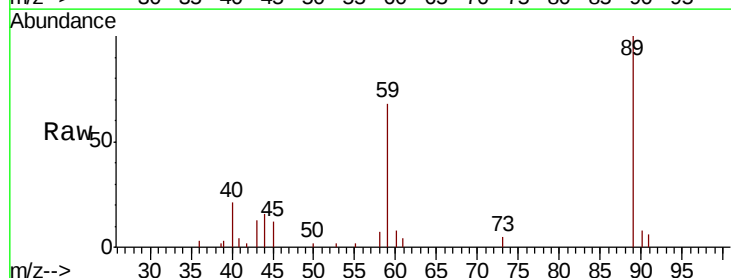
Acq: 27 Aug 2019 13:41

Tgt Ion: 59 Resp: 6595

Ion Ratio Lower Upper

59 100

57 0.8 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

2000

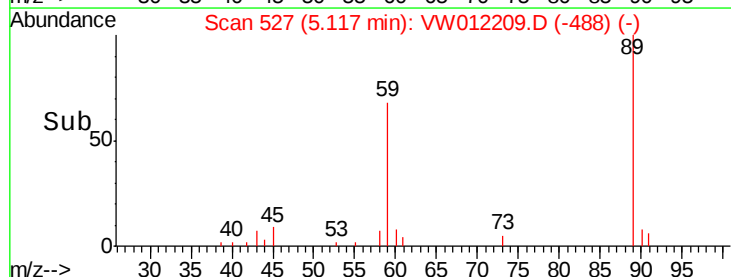
1500

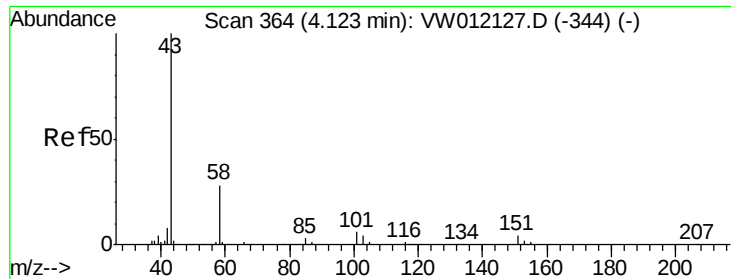
1000

500

0

Time--> 5.00 5.10 5.20

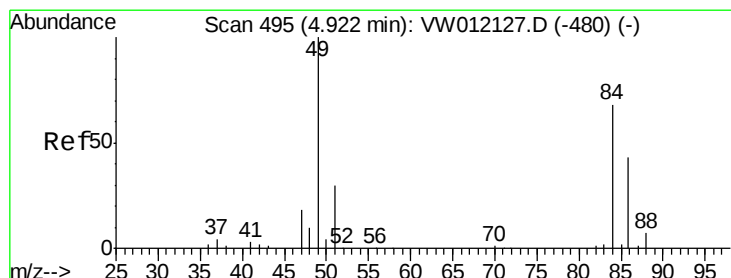
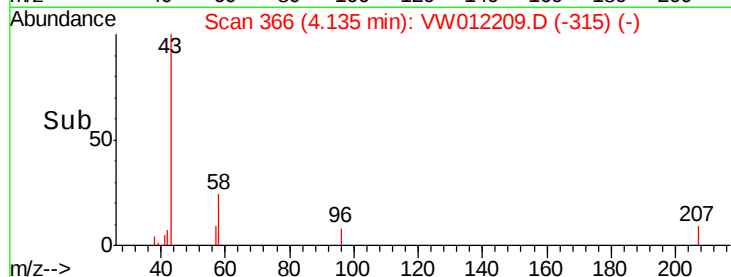
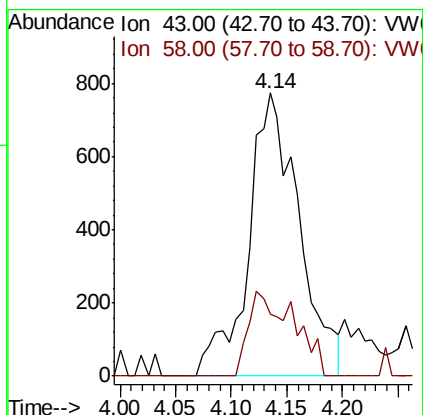
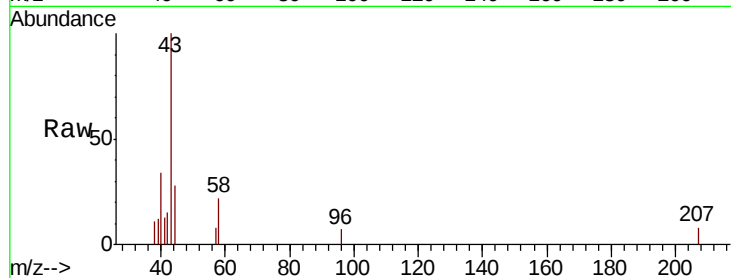




#16
Acetone
Concen: 3.229 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012209.D
Acq: 27 Aug 2019 13:41

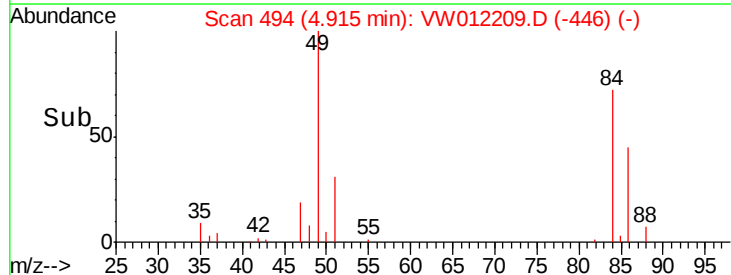
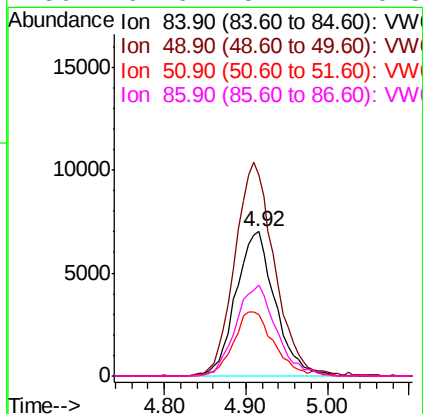
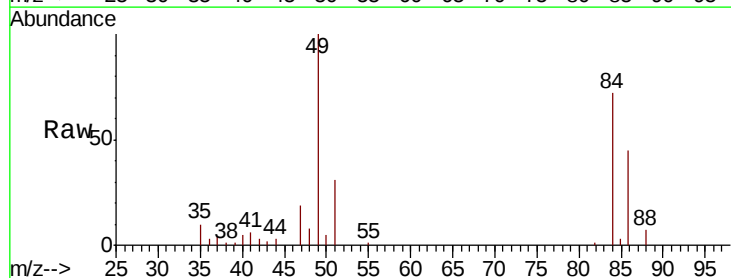
Instrument :
MSVOA_W
ClientSampleId :
PX-08

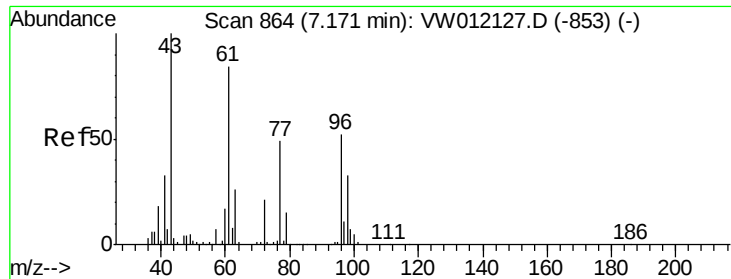
Tgt Ion: 43 Resp: 2454
Ion Ratio Lower Upper
43 100
58 21.7 22.4 33.6#



#20
Methylene Chloride
Concen: 8.148 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012209.D
Acq: 27 Aug 2019 13:41

Tgt Ion: 84 Resp: 23409
Ion Ratio Lower Upper
84 100
49 139.5 117.8 176.8
51 42.9 35.6 53.4
86 62.6 51.2 76.8





#25

2-Butanone

Concen: 2.786 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW012209.D

Acq: 27 Aug 2019 13:41

Instrument :

MSVOA_W

ClientSampled :

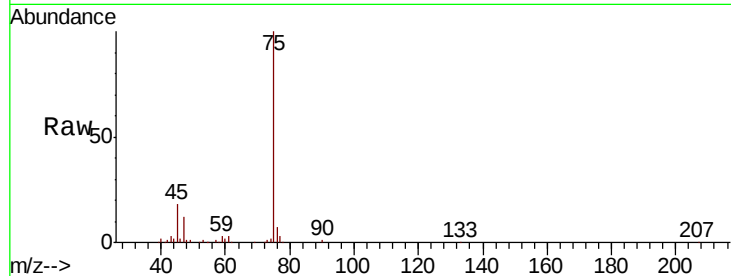
PX-08

Tgt Ion: 43 Resp: 2877

Ion Ratio Lower Upper

43 100

72 13.7 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

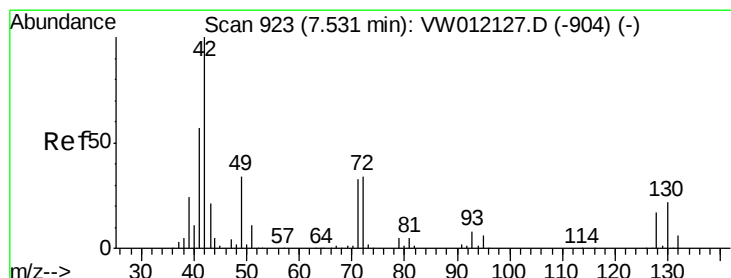
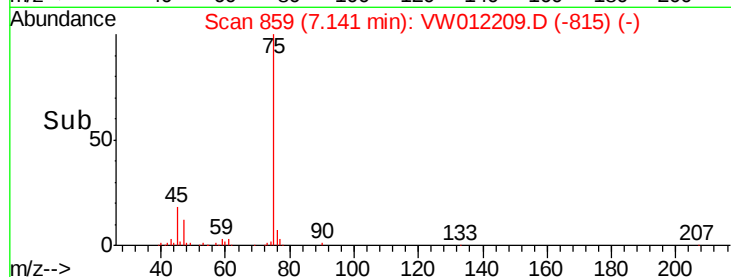
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 4.161 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW012209.D

Acq: 27 Aug 2019 13:41

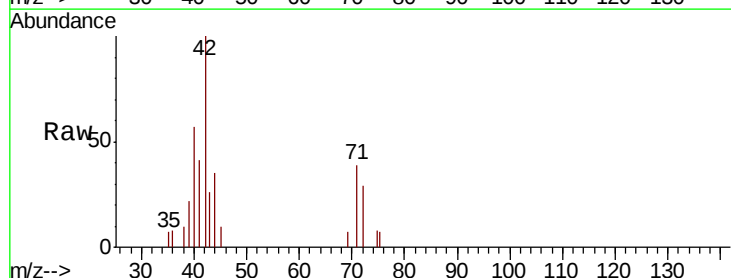
Tgt Ion: 42 Resp: 2578

Ion Ratio Lower Upper

42 100

72 34.3 27.3 40.9

71 35.8 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

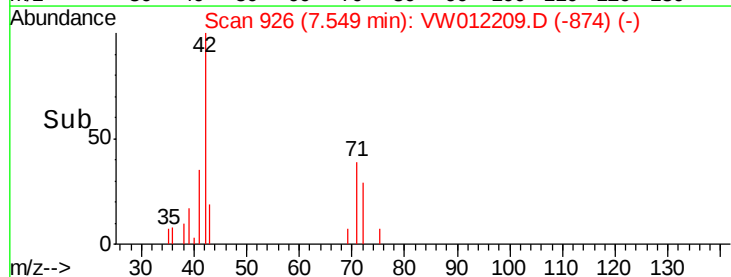
600

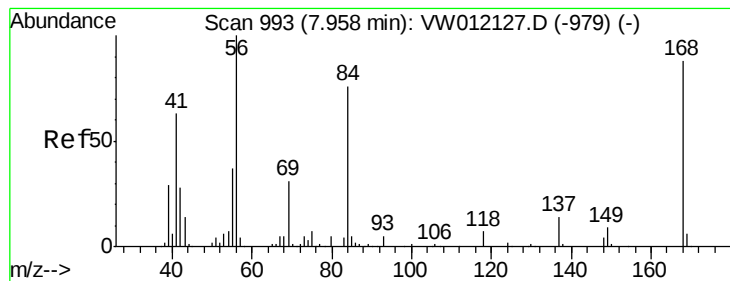
400

200

0

Time-->





#31

Cyclohexane

Concen: 1.178 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012209.D

Acq: 27 Aug 2019 13:41

Instrument :

MSVOA_W

ClientSampled :

PX-08

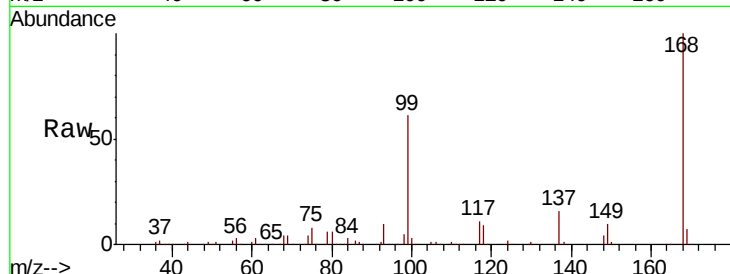
Tgt Ion: 56 Resp: 6307

Ion Ratio Lower Upper

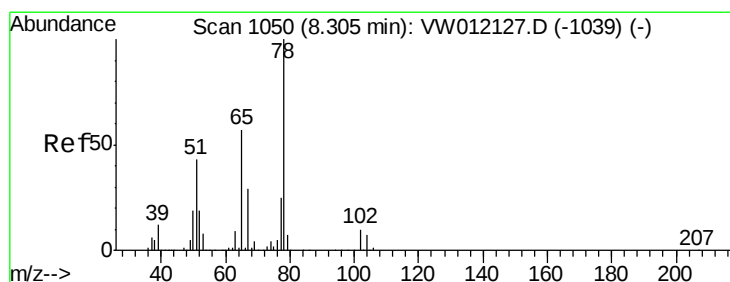
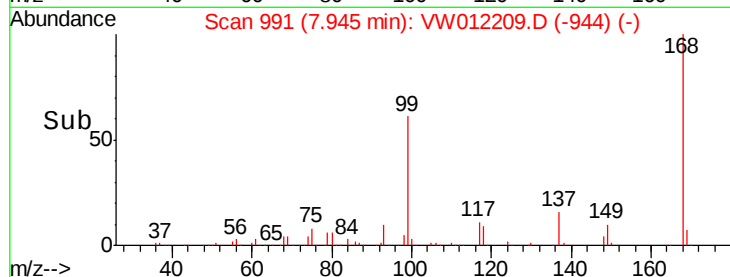
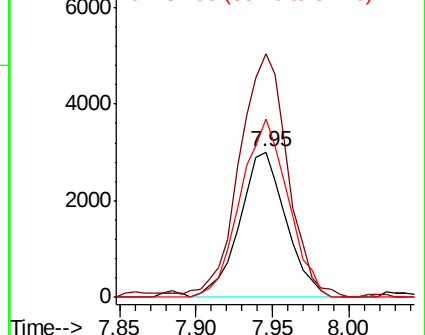
56 100

69 166.1 24.9 37.3#

84 122.6 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: 50.710 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012209.D

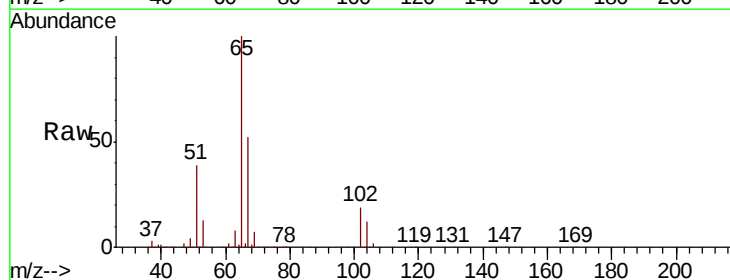
Acq: 27 Aug 2019 13:41

Tgt Ion: 65 Resp: 150754

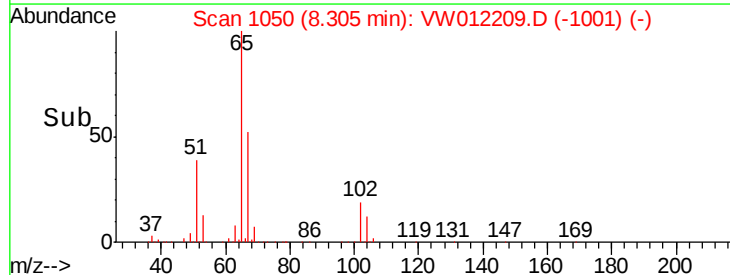
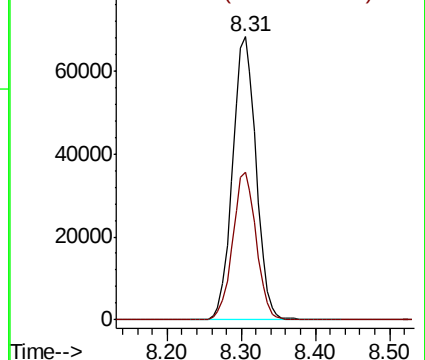
Ion Ratio Lower Upper

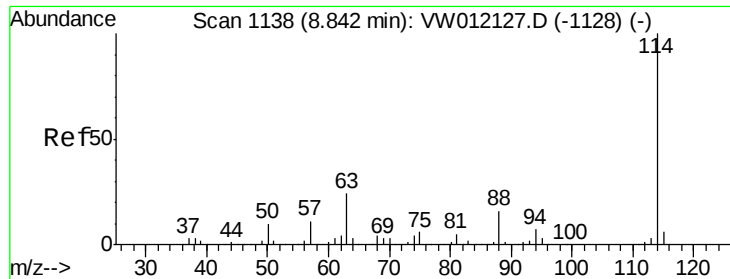
65 100

67 52.1 0.0 102.6



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

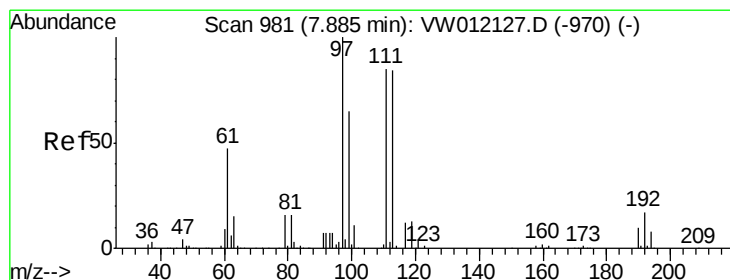
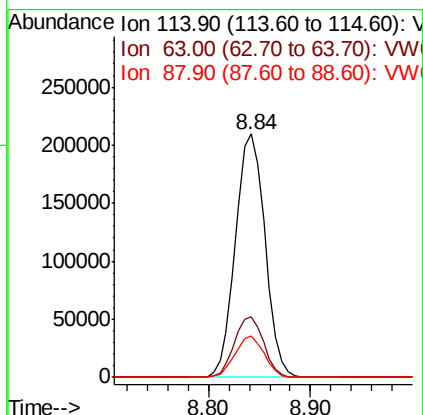
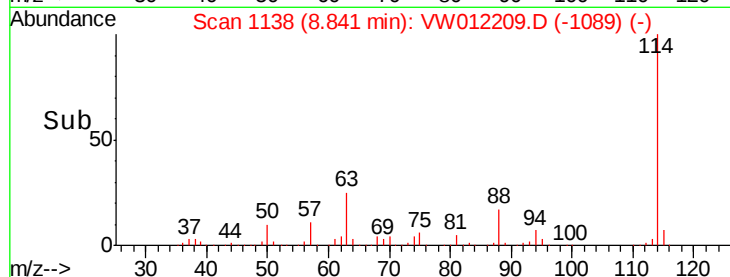
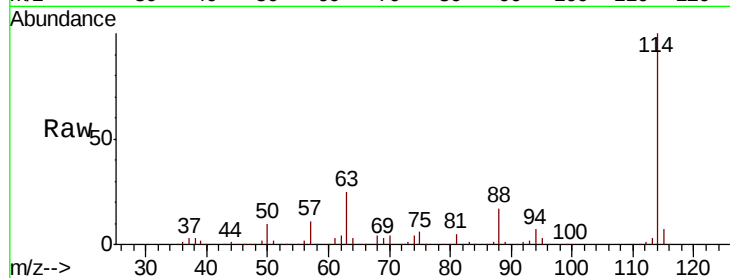




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012209.D
 Acq: 27 Aug 2019 13:41

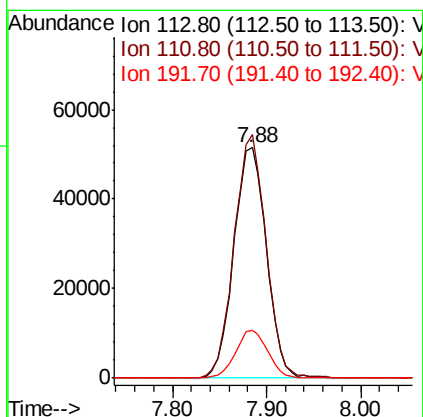
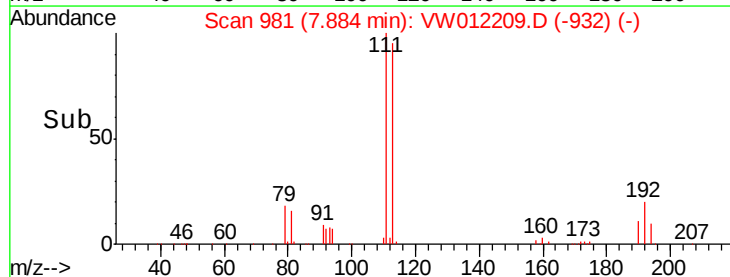
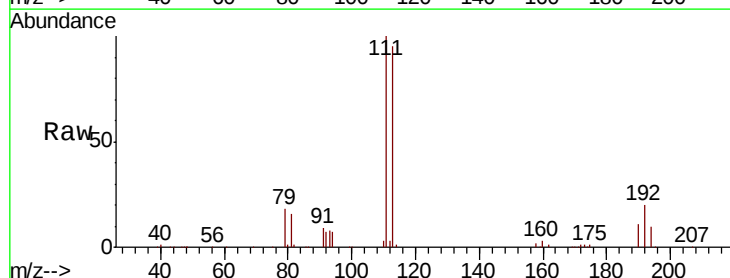
Instrument :
 MSVOA_W
 ClientSampled :
 PX-08

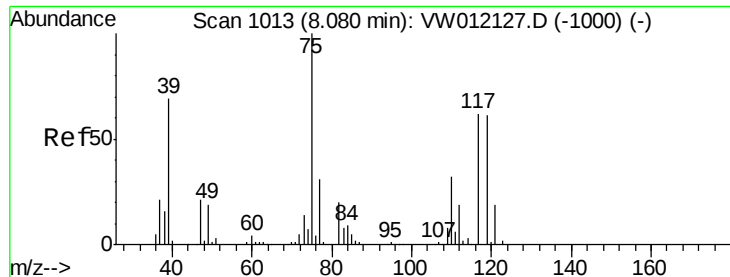
Tgt Ion:114 Resp: 420719
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 16.9 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 49.374 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012209.D
 Acq: 27 Aug 2019 13:41

Tgt Ion:113 Resp: 123992
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.7 124.1
 192 20.4 16.2 24.2

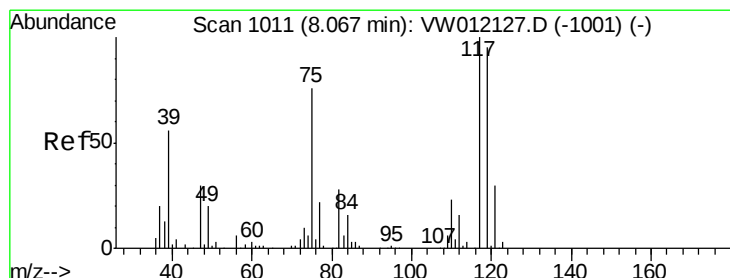
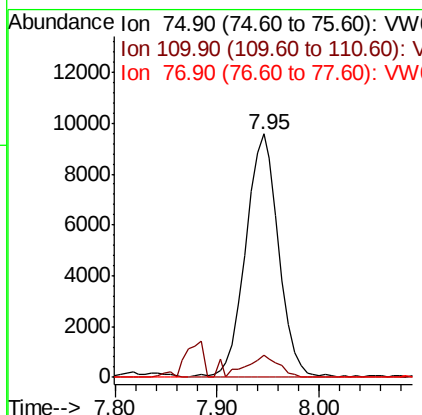
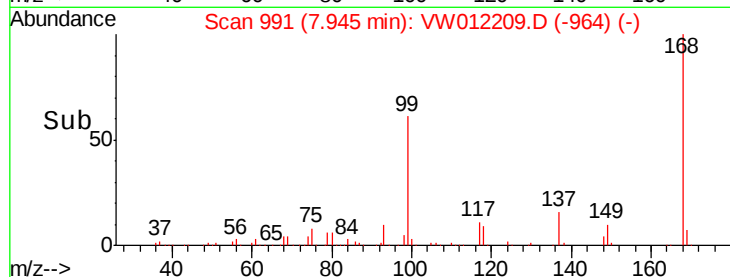
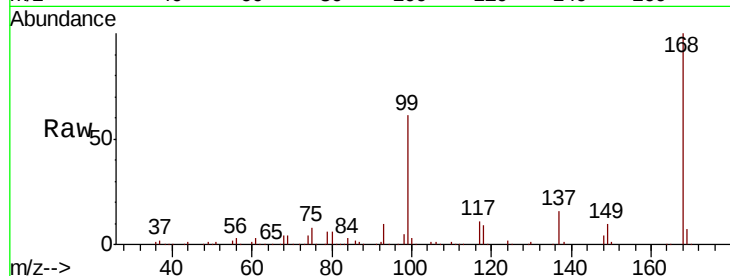




#36
 1,1-Dichloropropene
 Concen: 4.957 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012209.D
 Acq: 27 Aug 2019 13:41

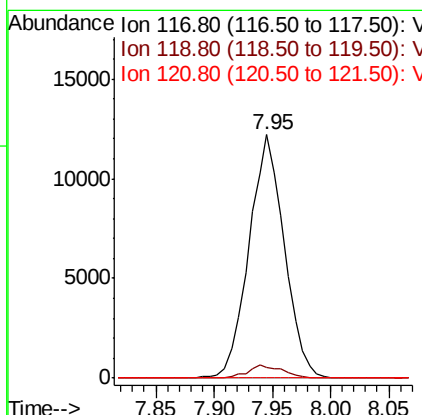
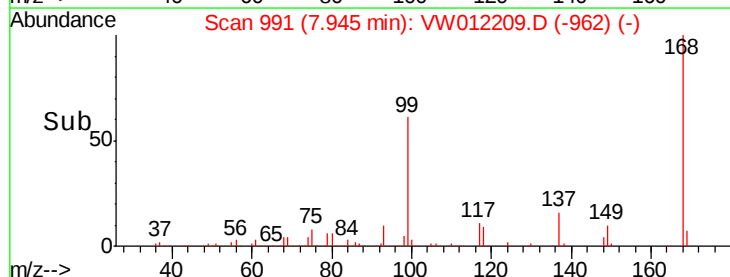
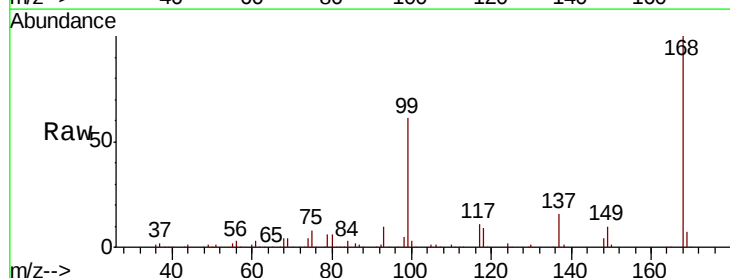
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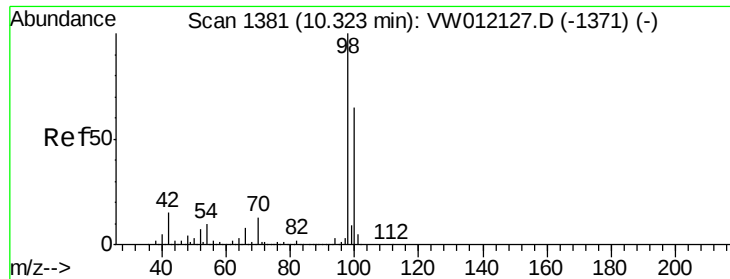
Tgt Ion: 75 Resp: 21550
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.818 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012209.D
 Acq: 27 Aug 2019 13:41

Tgt Ion: 117 Resp: 25656
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.2 114.2#
 121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 50.864 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012209.D

Acq: 27 Aug 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

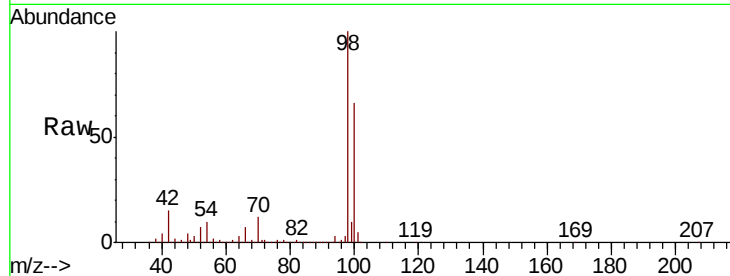
PX-08

Tgt Ion: 98 Resp: 517925

Ion Ratio Lower Upper

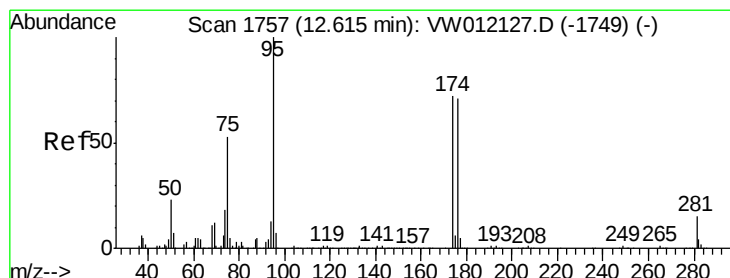
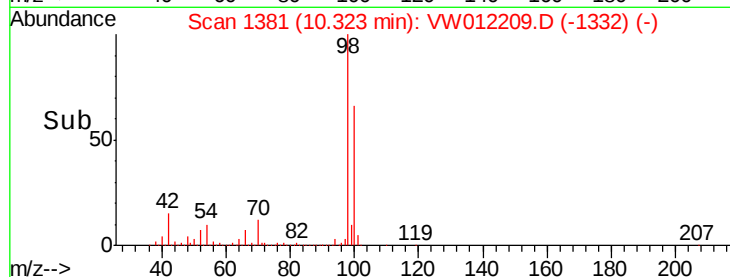
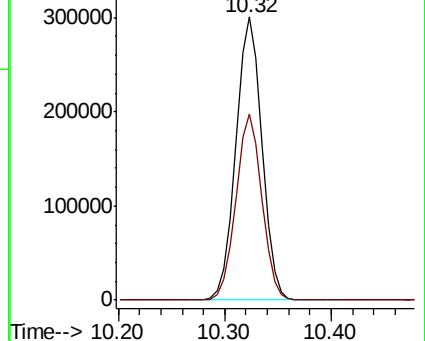
98 100

100 65.3 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: 47.689 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012209.D

Acq: 27 Aug 2019 13:41

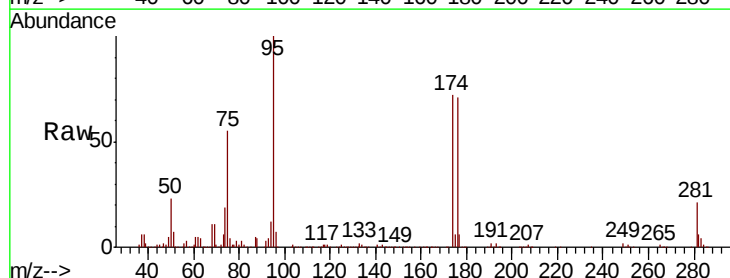
Tgt Ion: 95 Resp: 171173

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.8

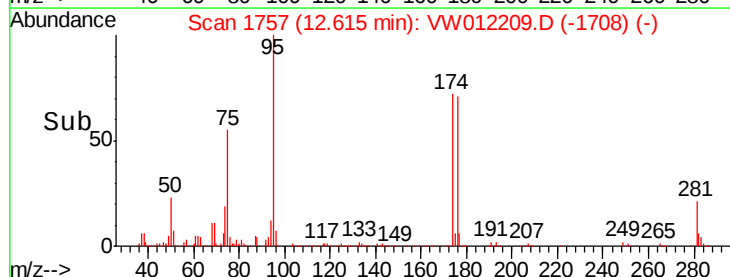
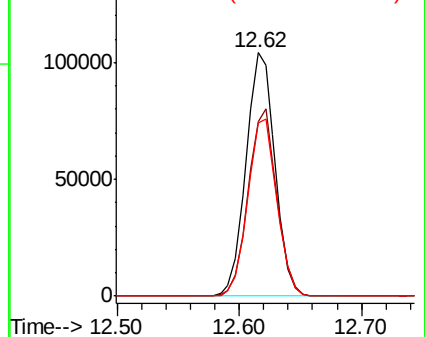
176 73.4 0.0 148.6

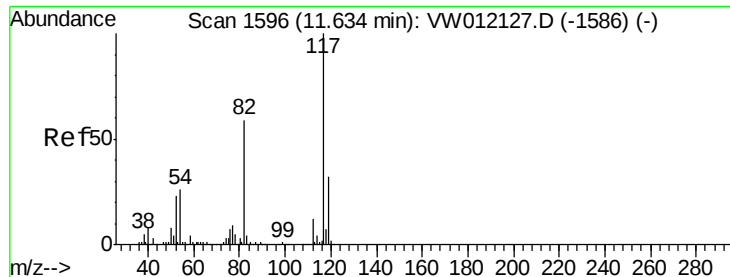


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

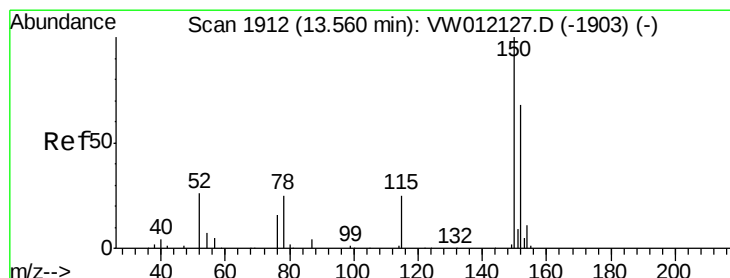
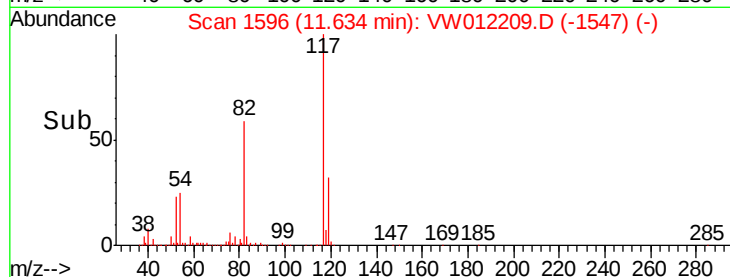
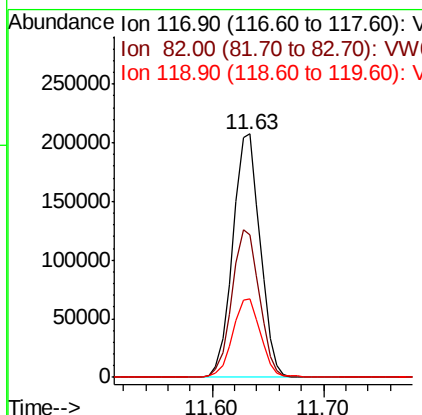
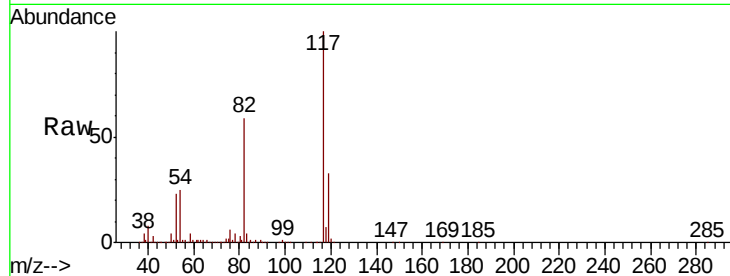




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012209.D
Acq: 27 Aug 2019 13:41

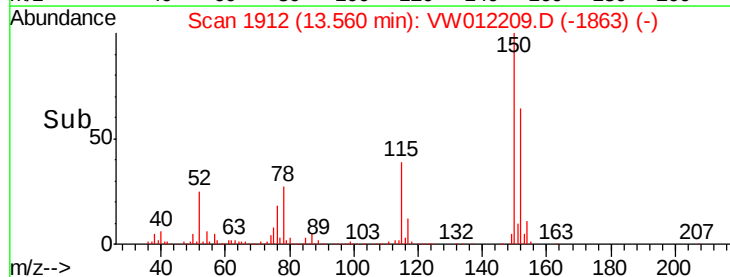
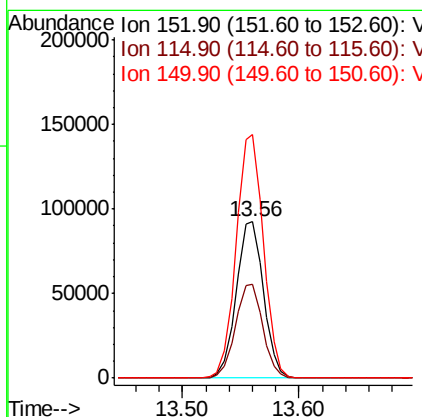
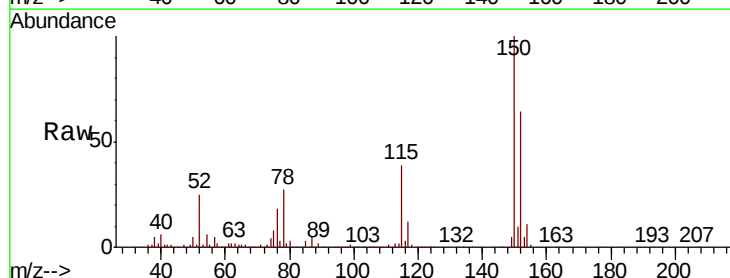
Instrument :
MSVOA_W
ClientSampled :
PX-08

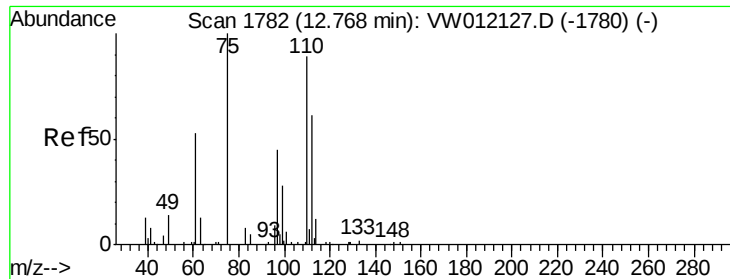
Tgt Ion:117 Resp: 353026
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012209.D
Acq: 27 Aug 2019 13:41

Tgt Ion:152 Resp: 151282
Ion Ratio Lower Upper
152 100
115 60.2 30.1 90.3
150 155.4 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 61.595 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012209.D

Acq: 27 Aug 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

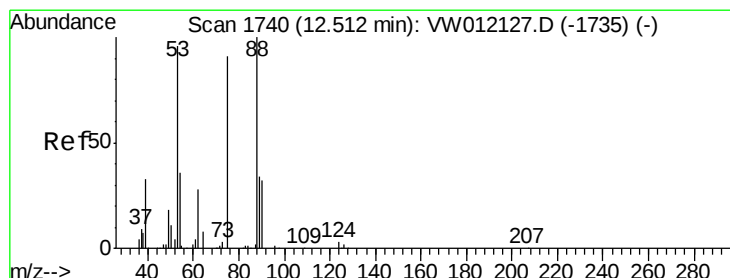
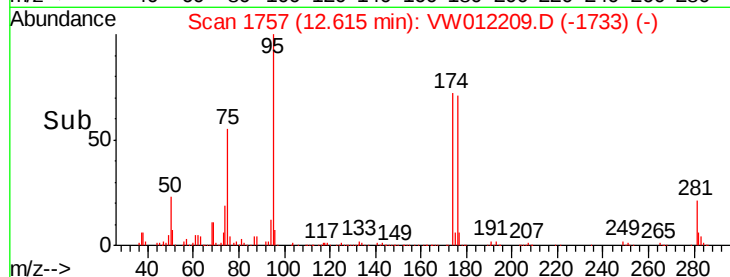
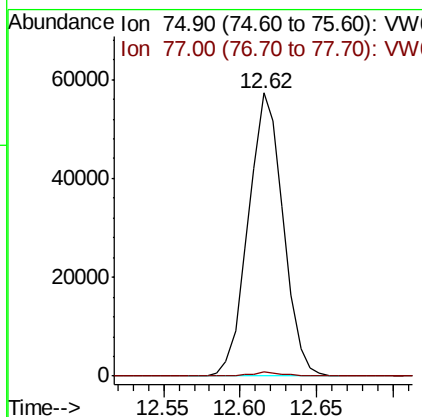
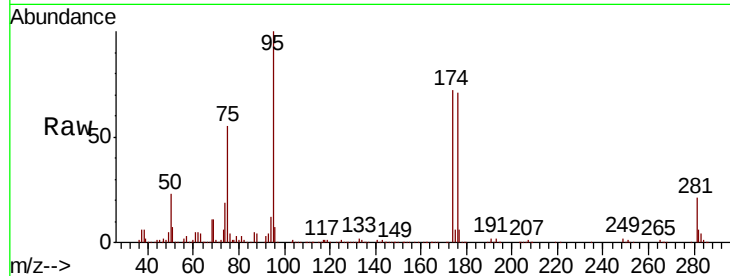
PX-08

Tgt Ion: 75 Resp: 90753

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.050 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012209.D

Acq: 27 Aug 2019 13:41

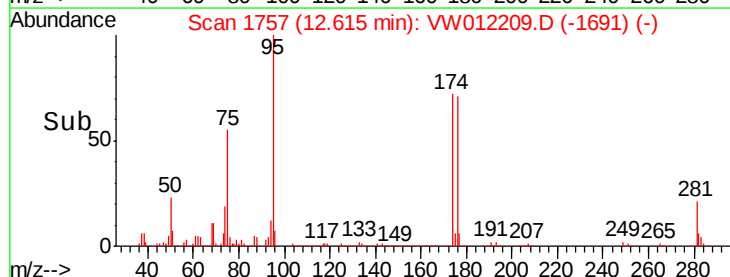
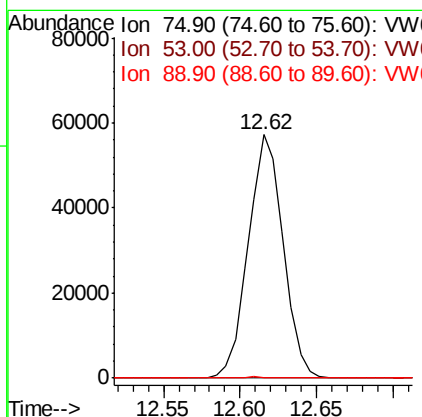
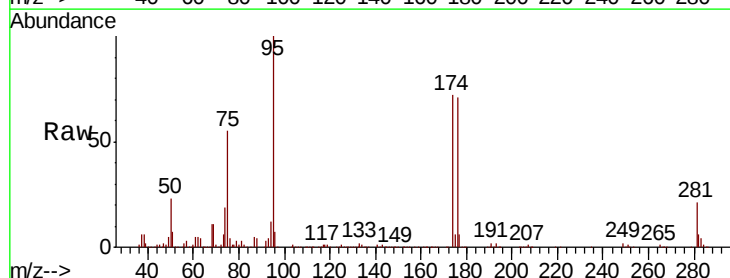
Tgt Ion: 75 Resp: 90753

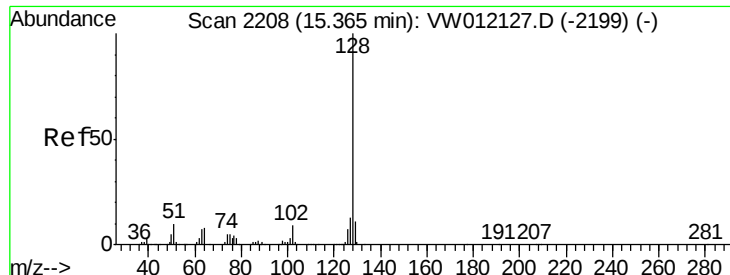
Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.3 34.5 51.7#





#95
Naphthalene
Concen: 4.418 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012209.D
Acq: 27 Aug 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
PX-08

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

