

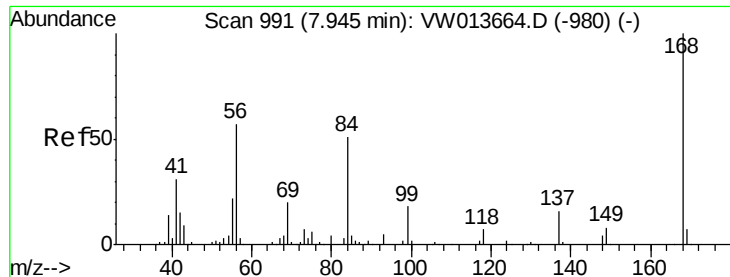
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013696.D
 Acq On : 24 Oct 2019 05:16
 Operator : SY/VA
 Sample : K5502-18
 Misc : 4.91G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 07:32:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	355583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109122	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	124943	58.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.08%	
35) Dibromofluoromethane	7.88	113	131067	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	10.32	98	521106	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.62	95	131966	38.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.32%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	1981	4.340	ug/l	98
18) Methyl Acetate	4.68	43	2257	1.804	ug/l #	83
20) Methylene Chloride	4.91	84	10036	Below Cal		93
28) Bromochloromethane	7.66	49	28	1.357	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	18596	4.485	ug/l #	48
38) Carbon Tetrachloride	7.95	117	24143	6.466	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	1918	1.270	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	60453	77.143	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60453	145.790	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013696.D

Acq: 24 Oct 2019 05:16

Instrument :

MSVOA_W

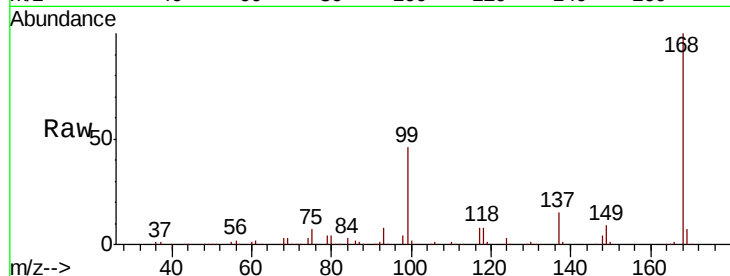
ClientSampleId :

Tot Ion:168 Resp: 286964

Ion Ratio Lower Upper

168 100

99 46.4 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

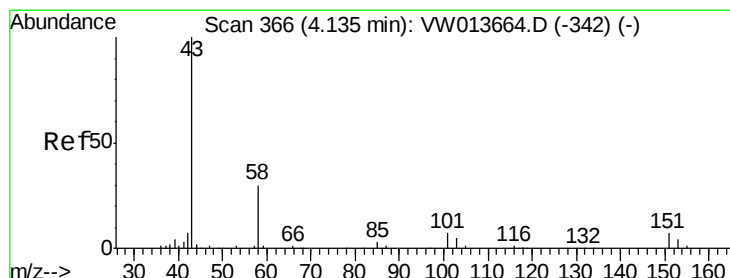
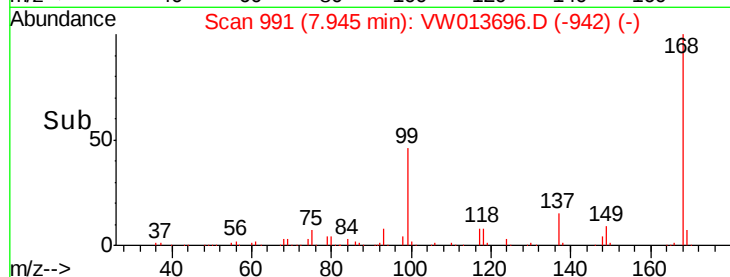
100000

50000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 4.340 ug/l

RT: 4.13 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW013696.D

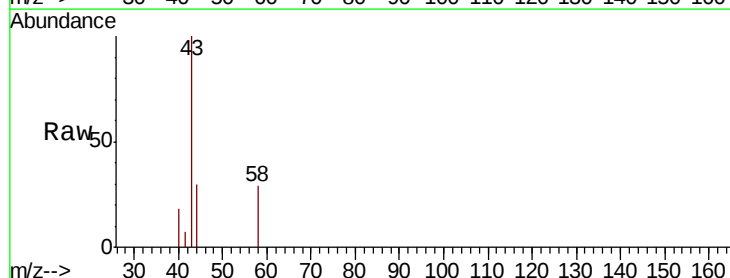
Acq: 24 Oct 2019 05:16

Tgt Ion: 43 Resp: 1981

Ion Ratio Lower Upper

43 100

58 29.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

800

600

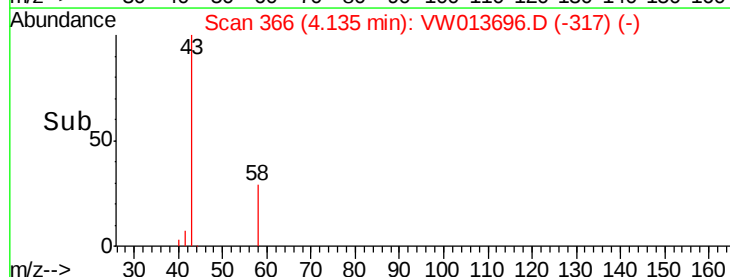
400

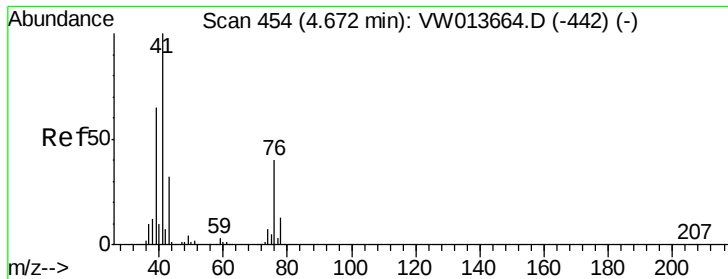
200

0

4.05 4.10 4.15 4.20

Time-->

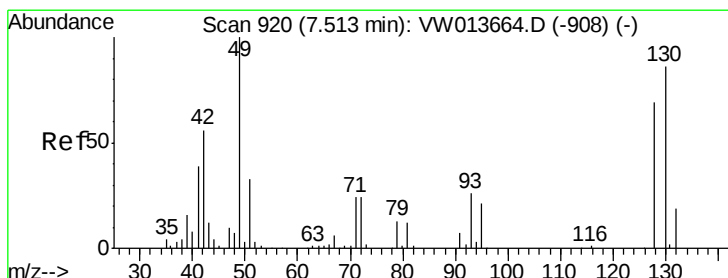
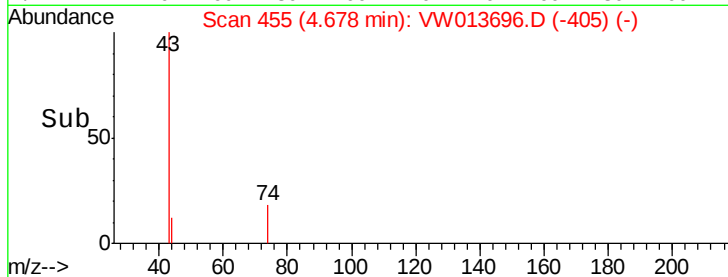
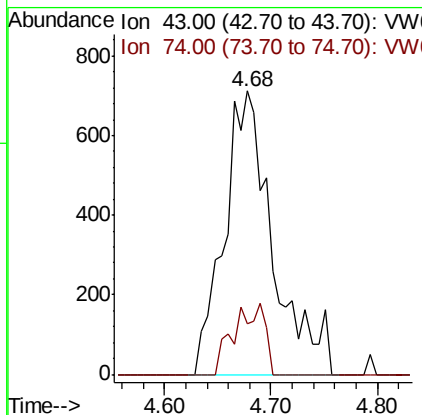
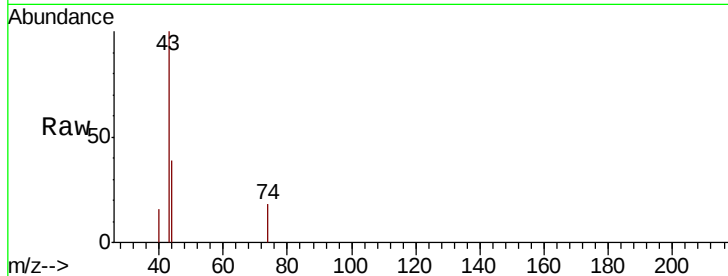




#18
Methyl Acetate
Concen: 1.804 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013696.D
Acq: 24 Oct 2019 05:16

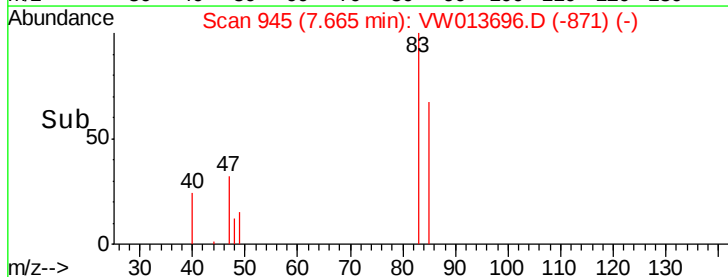
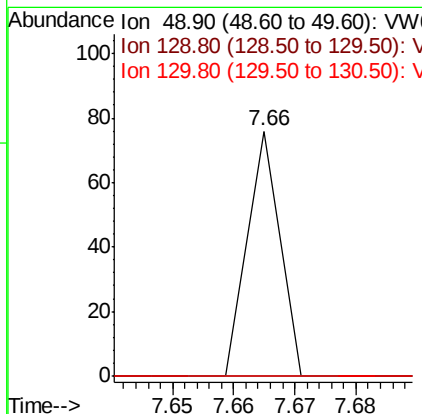
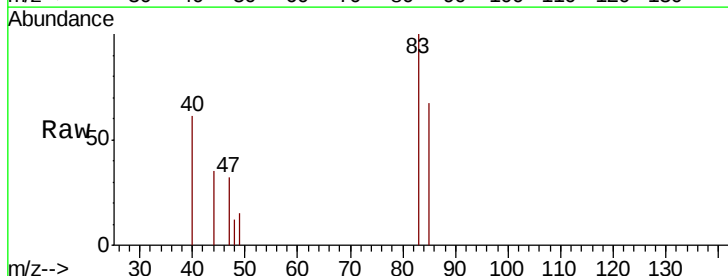
Instrument :
MSVOA_W
ClientSampled :

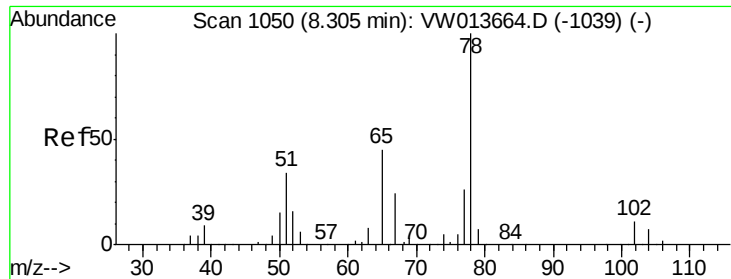
Tot Ion: 43 Resp: 2257
Ion Ratio Lower Upper
43 100
74 16.1 19.8 29.8#



#28
Bromochloromethane
Concen: 1.357 ug/l
RT: 7.66 min Scan# 945
Delta R.T. 0.15 min
Lab File: VW013696.D
Acq: 24 Oct 2019 05:16

Tgt Ion: 49 Resp: 28
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.6
130 0.0 67.5 101.3#





#33

1,2-Dichloroethane-d4

Concen: 58.040 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013696.D

Acq: 24 Oct 2019 05:16

Instrument :

MSVOA_W

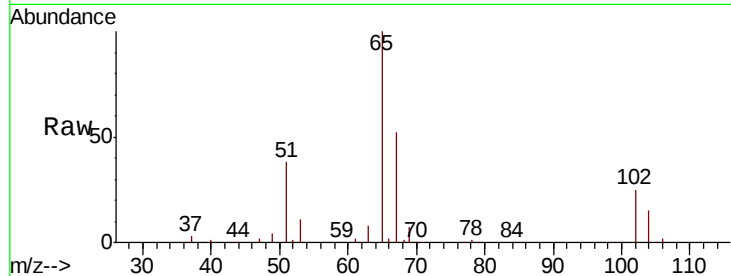
ClientSampled :

Tot Ion: 65 Resp: 124943

Ion Ratio Lower Upper

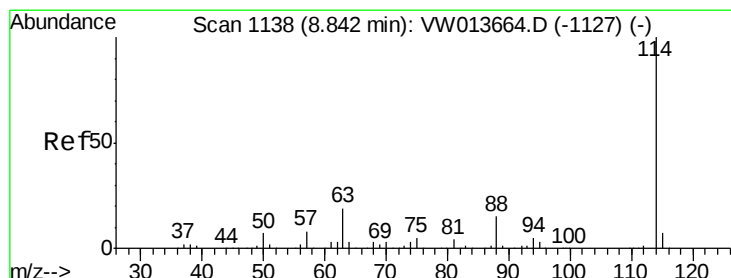
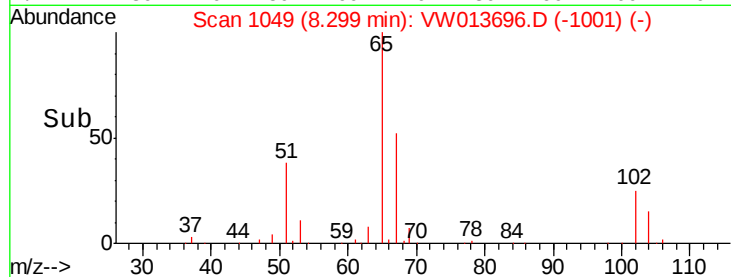
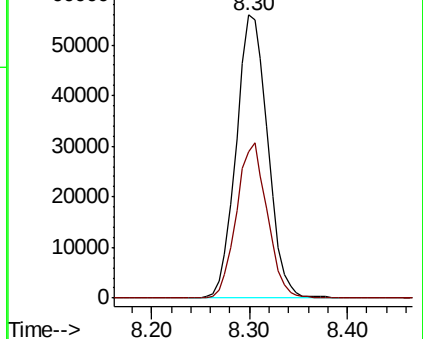
65 100

67 53.5 0.0 109.4



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: VW013696.D

Acq: 24 Oct 2019 05:16

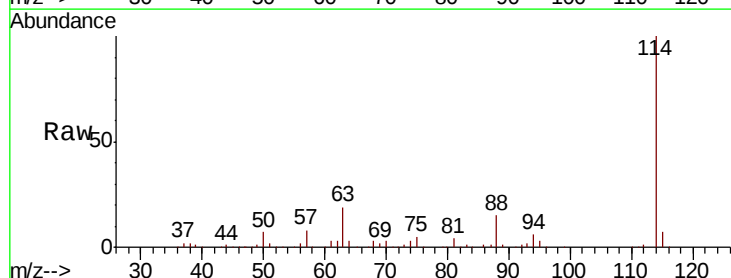
Tgt Ion: 114 Resp: 445211

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.6

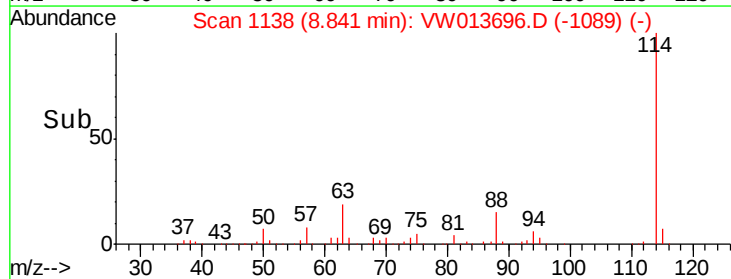
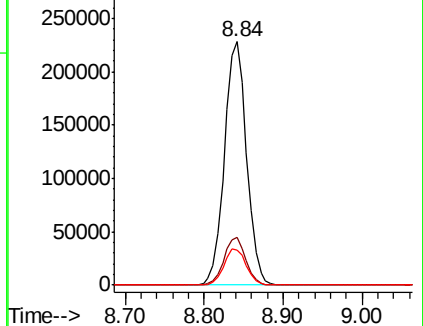
88 14.6 0.0 30.2

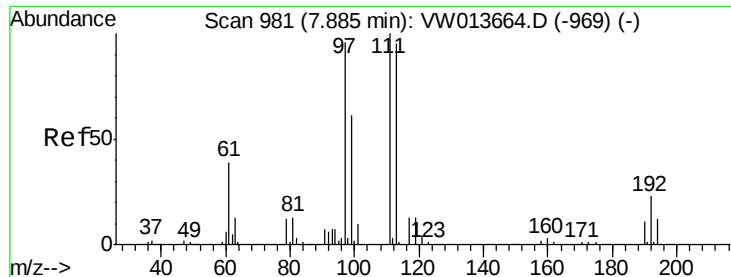


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

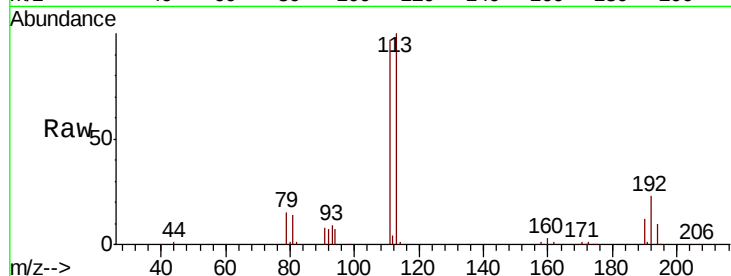




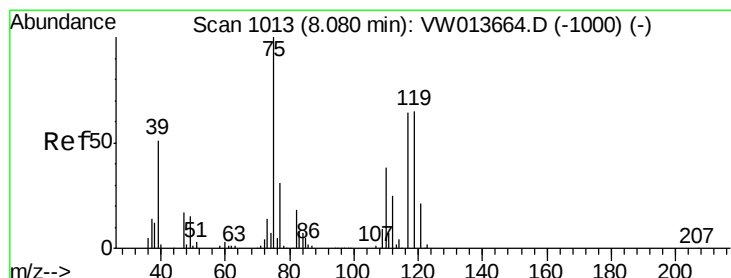
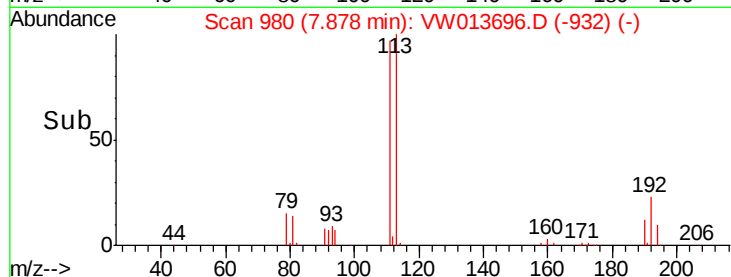
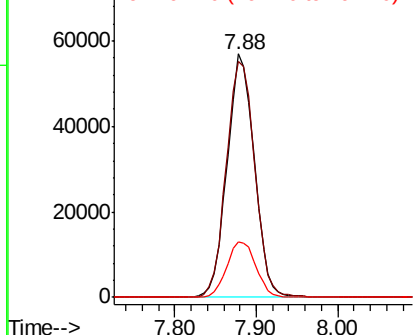
#35
Dibromofluoromethane
Concen: 52.981 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW013696.D
Acq: 24 Oct 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:113 Resp: 131067
Ion Ratio Lower Upper
113 100
111 101.2 83.0 124.6
192 24.3 19.4 29.2

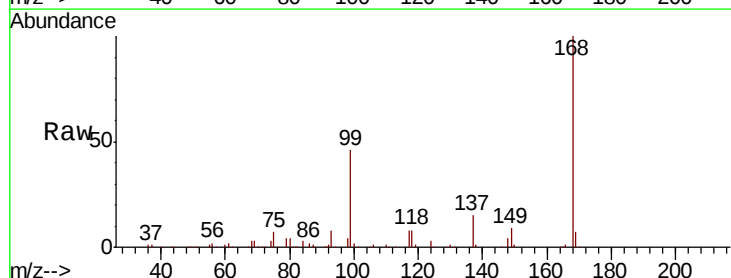


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

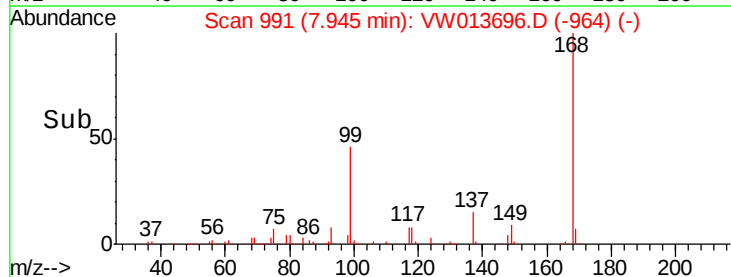
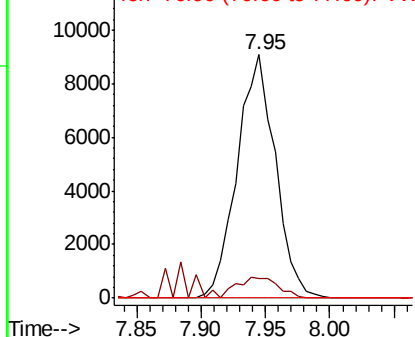


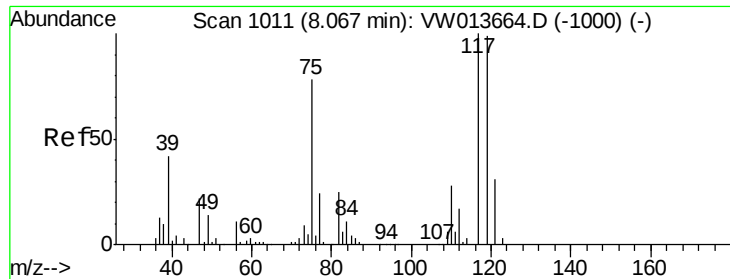
#36
1,1-Dichloropropene
Concen: 4.485 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW013696.D
Acq: 24 Oct 2019 05:16

Tgt Ion: 75 Resp: 18596
Ion Ratio Lower Upper
75 100
110 9.3 18.7 56.1#
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.466 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013696.D

Acq: 24 Oct 2019 05:16

Instrument :

MSVOA_W

ClientSampled :

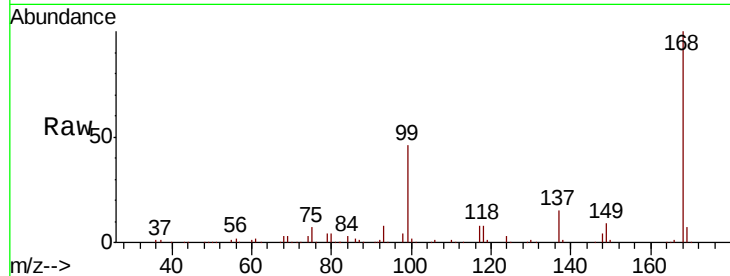
Tot Ion:117 Resp: 24143

Ion Ratio Lower Upper

117 100

119 6.0 79.0 118.4#

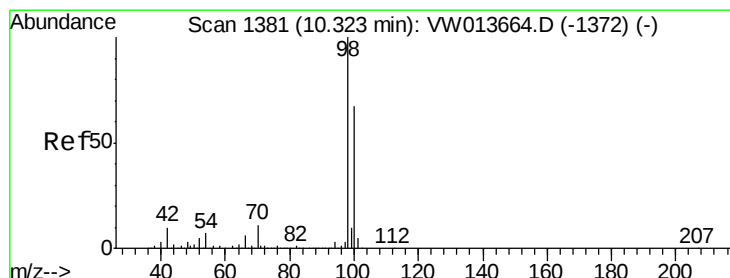
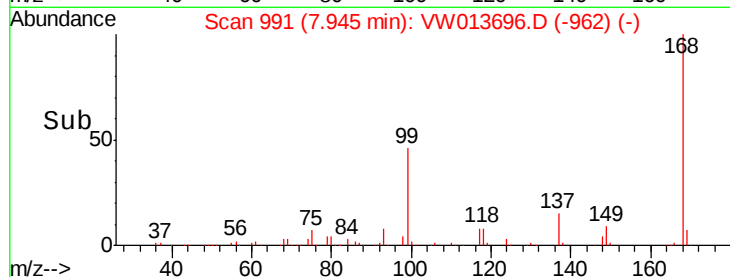
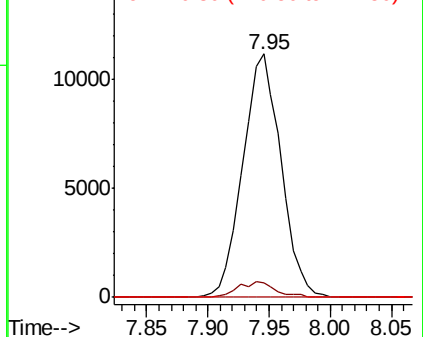
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.696 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013696.D

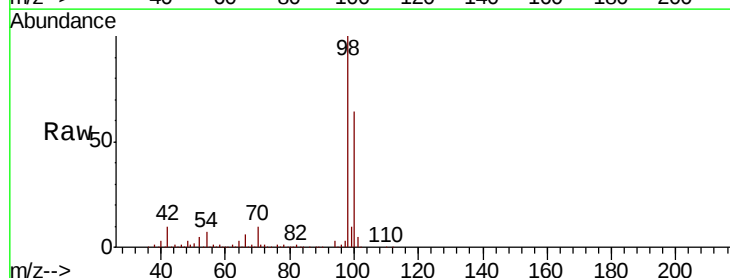
Acq: 24 Oct 2019 05:16

Tgt Ion: 98 Resp: 521106

Ion Ratio Lower Upper

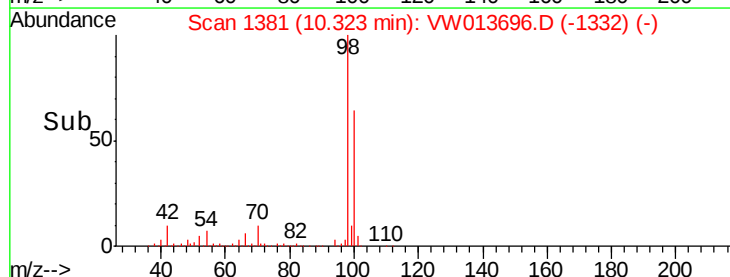
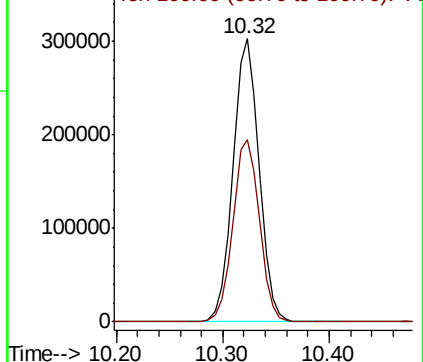
98 100

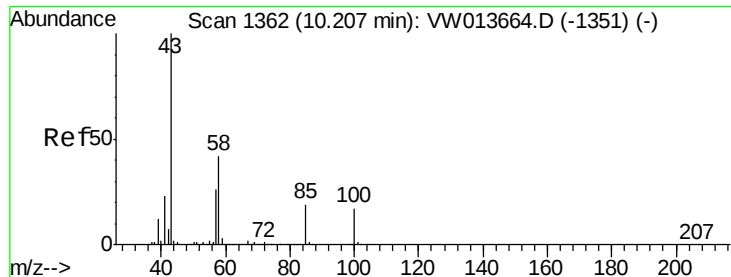
100 65.4 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.270 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013696.D

Acq: 24 Oct 2019 05:16

Instrument :

MSVOA_W

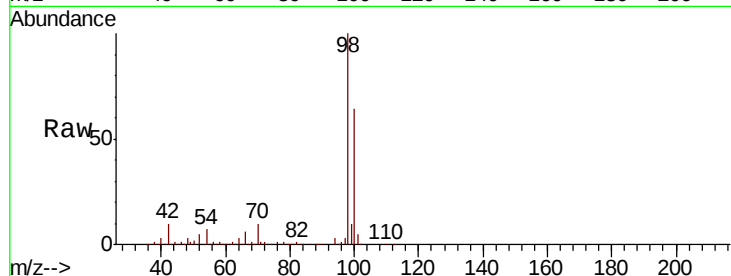
ClientSampled :

Tot Ion: 43 Resp: 1918

Ion Ratio Lower Upper

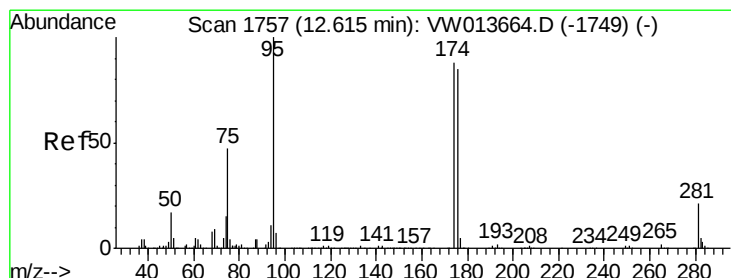
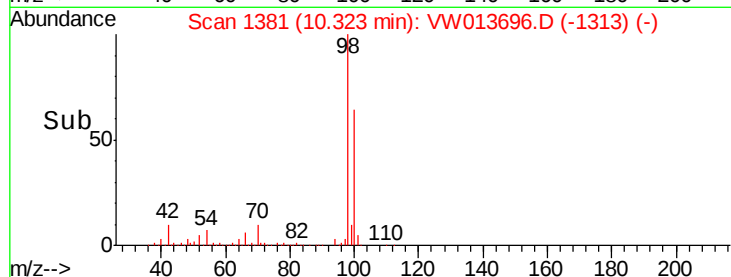
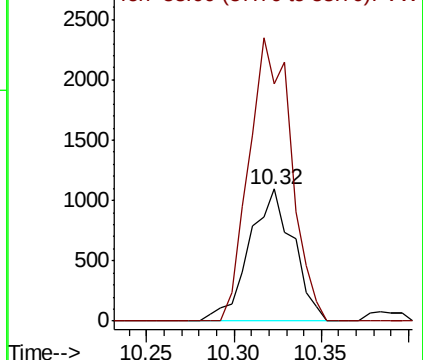
43 100

58 204.2 32.6 49.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 38.663 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013696.D

Acq: 24 Oct 2019 05:16

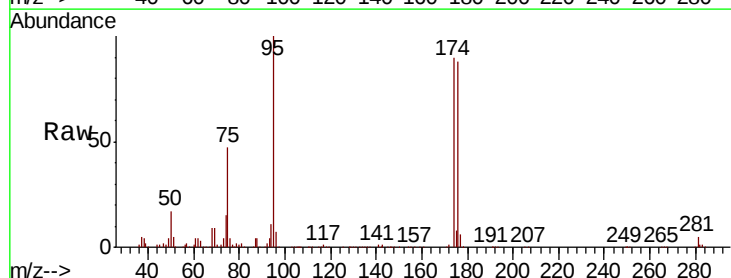
Tgt Ion: 95 Resp: 131966

Ion Ratio Lower Upper

95 100

174 91.6 0.0 183.6

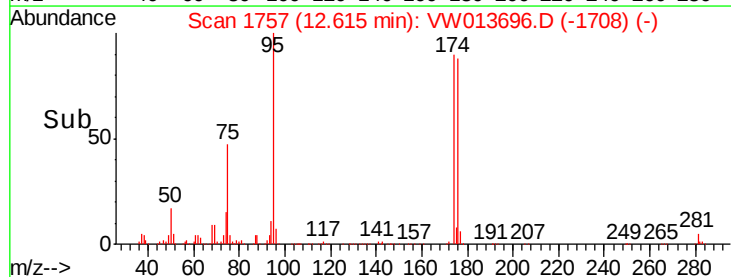
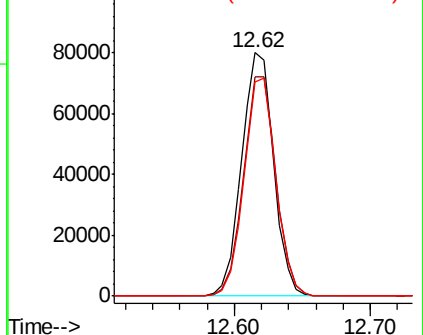
176 88.9 0.0 178.0

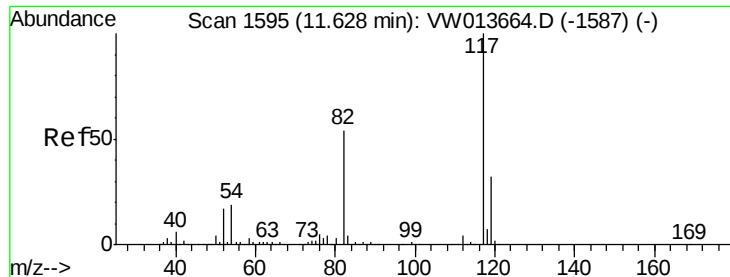


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

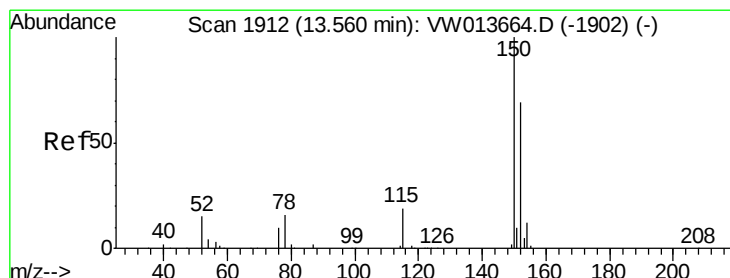
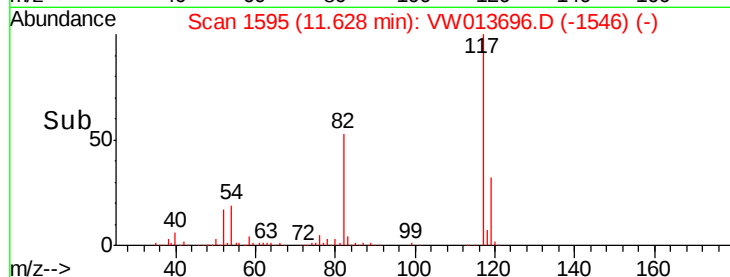
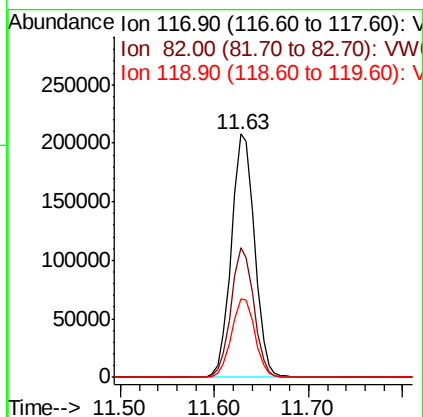
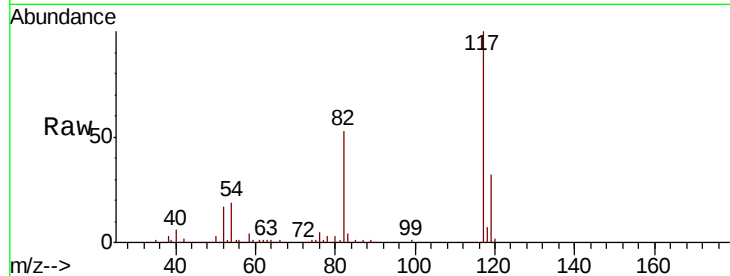




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013696.D
Acq: 24 Oct 2019 05:16

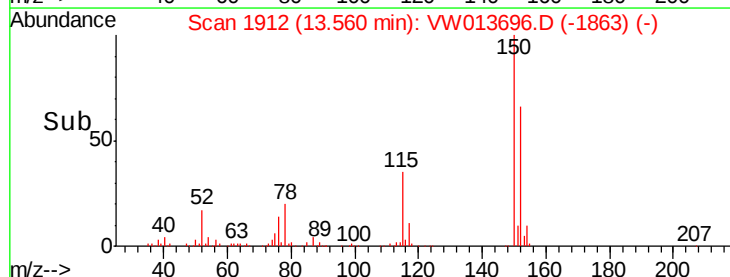
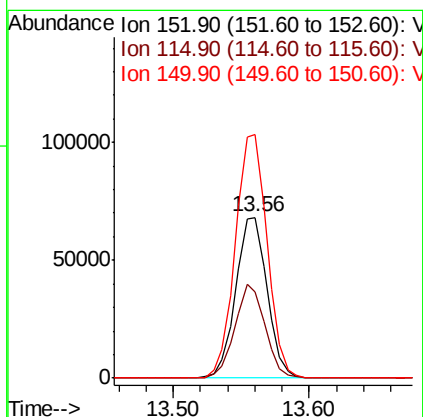
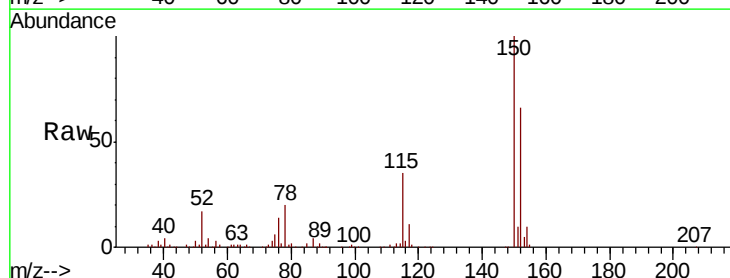
Instrument :
MSVOA_W
ClientSampleId :

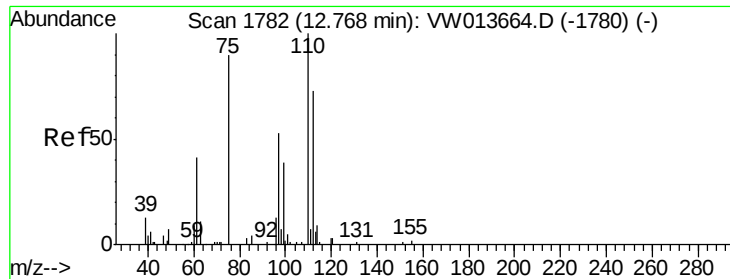
Tot Ion:117 Resp: 355583
Ion Ratio Lower Upper
117 100
82 53.3 43.6 65.4
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013696.D
Acq: 24 Oct 2019 05:16

Tgt Ion:152 Resp: 109122
Ion Ratio Lower Upper
152 100
115 56.0 27.4 82.2
150 154.1 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 77.143 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013696.D

Acq: 24 Oct 2019 05:16

Instrument :

MSVOA_W

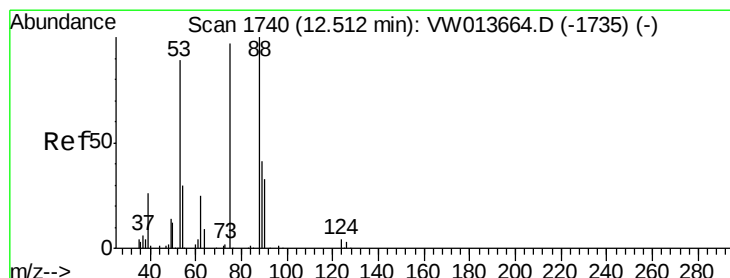
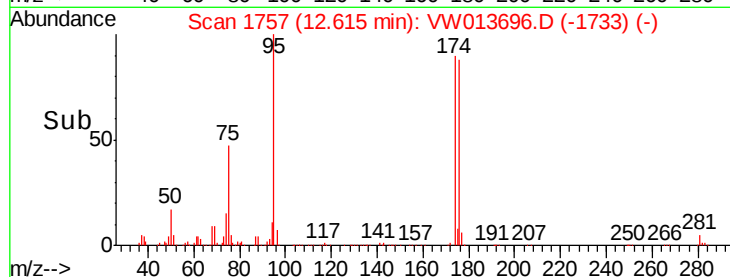
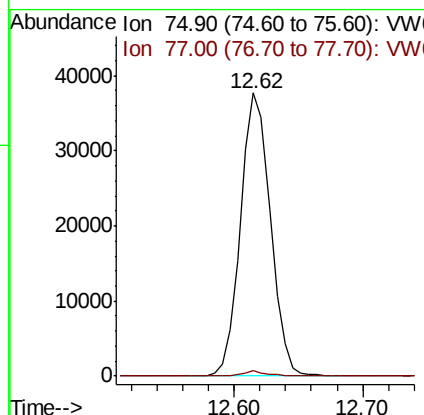
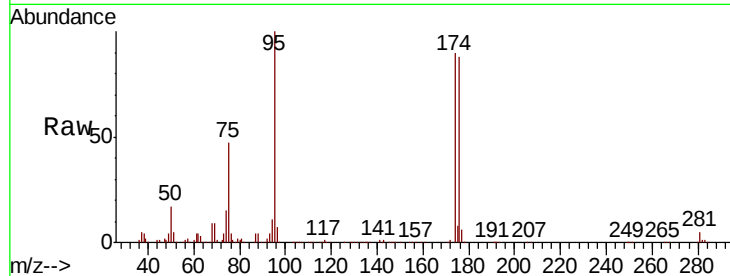
ClientSampleId :

Tot Ion: 75 Resp: 60453

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 145.790 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013696.D

Acq: 24 Oct 2019 05:16

Tgt Ion: 75 Resp: 60453

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.1 35.8 53.8#

