

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
 Data File : VW013435.D
 Acq On : 04 Oct 2019 13:36
 Operator : SY/VA
 Sample : K5127-01RE
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 15:31:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	305380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	458908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	384078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	176213	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127092	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
35) Dibromofluoromethane	7.88	113	128171	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
50) Toluene-d8	10.32	98	523376	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.62	95	168989	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

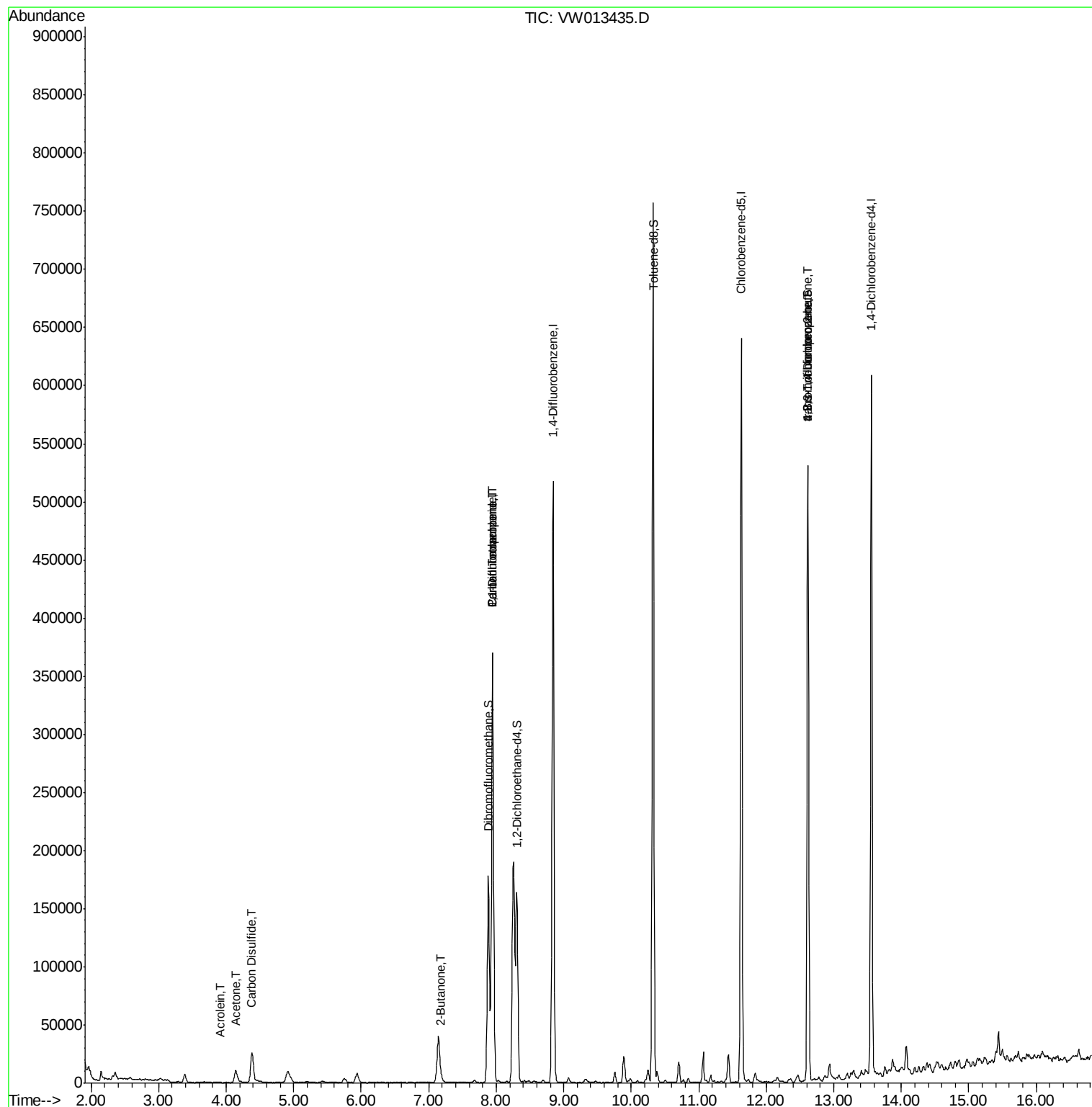
					Qvalue
11) Tert butyl alcohol	5.18	59	848	Below Cal	95
13) Acrolein	3.92	56	565	12.925 ug/l	92
16) Acetone	4.15	43	21094	30.181 ug/l	98
17) Carbon Disulfide	4.38	76	59231	7.553 ug/l	99
25) 2-Butanone	7.18	43	7136	7.979 ug/l	96
26) 2,2-Dichloropropane	7.14	77	3084	Below Cal	# 52
36) 1,1-Dichloropropene	7.94	75	19838	4.654 ug/l	# 48
38) Carbon Tetrachloride	7.94	117	25726	6.968 ug/l	# 18
76) 1,2,3-Trichloropropane	12.62	75	77635	49.571 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	77635	100.758 ug/l	# 12

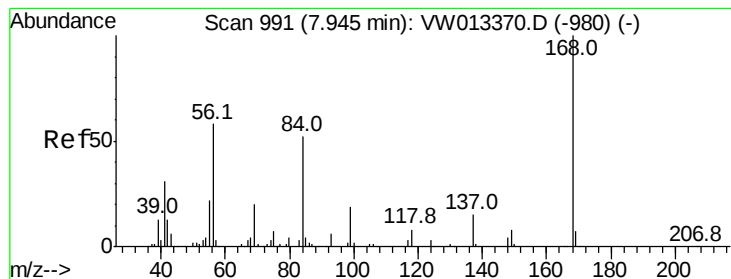
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 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: VW013435.D

Acq: 04 Oct 2019 13:36

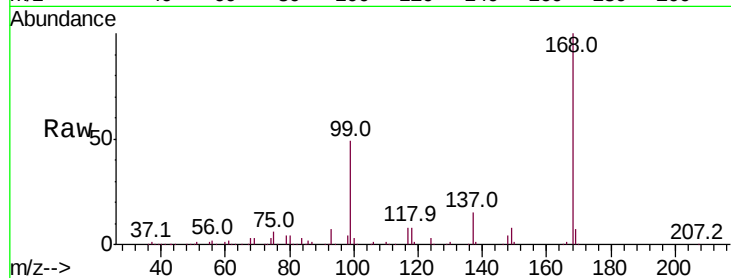
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 305380

Ion Ratio Lower Upper

168 100

99 49.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

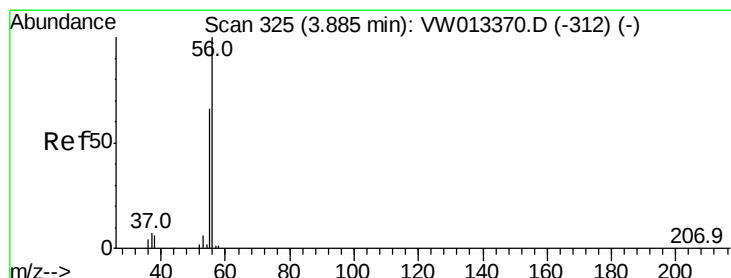
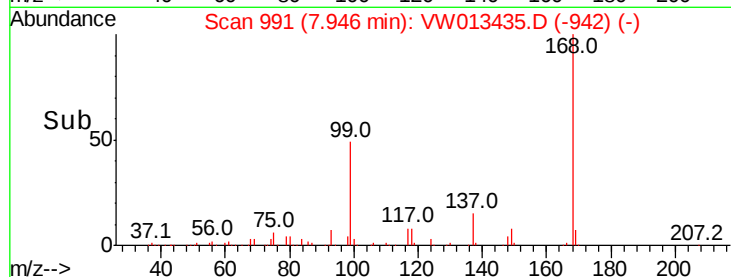
100000

50000

0

7.90 8.00

Time-->



#13

Acrolein

Concen: 12.925 ug/l

RT: 3.92 min Scan# 330

Delta R.T. 0.03 min

Lab File: VW013435.D

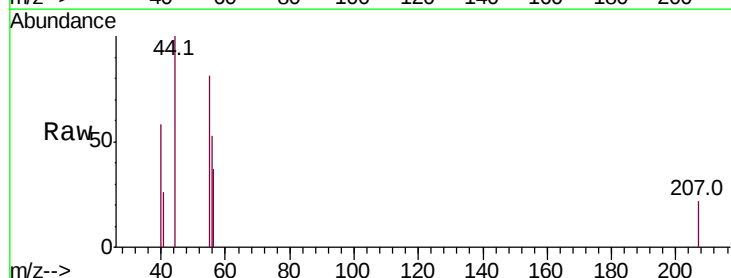
Acq: 04 Oct 2019 13:36

Tgt Ion: 56 Resp: 565

Ion Ratio Lower Upper

56 100

55 75.9 55.4 83.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.92

300

250

200

150

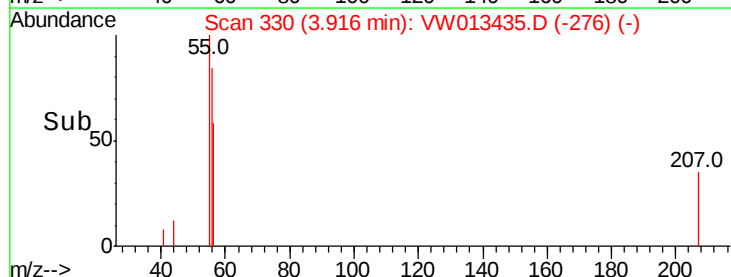
100

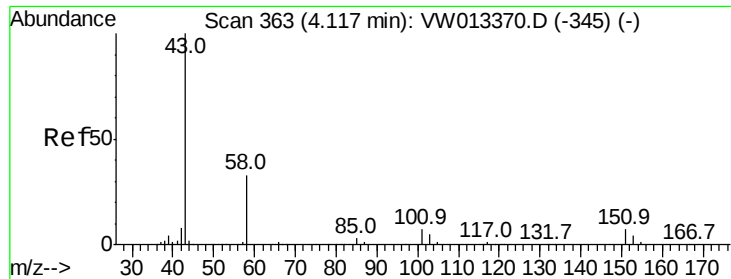
50

0

3.85 3.90 3.95

Time-->





#16

Acetone

Concen: 30.181 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013435.D

Acq: 04 Oct 2019 13:36

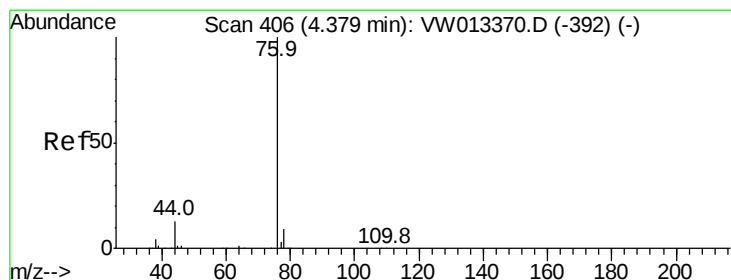
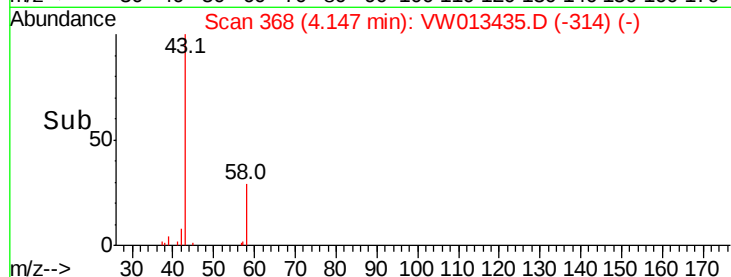
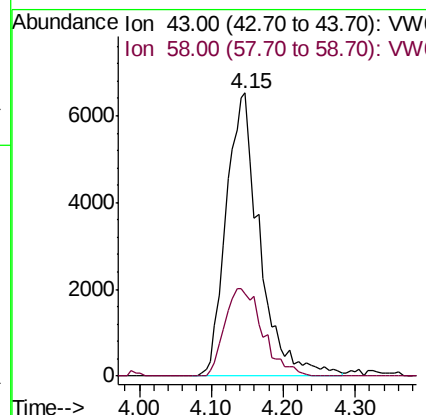
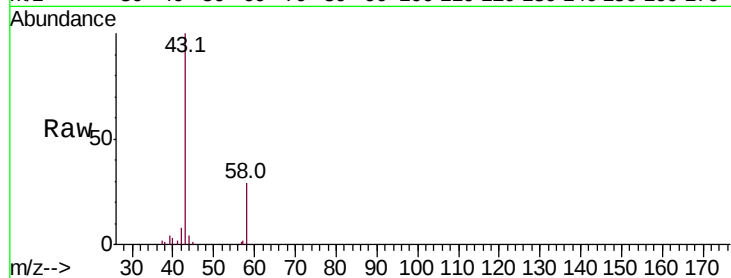
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 21094

Ion Ratio Lower Upper

43 100

58 29.1 24.1 36.1



#17

Carbon Disulfide

Concen: 7.553 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013435.D

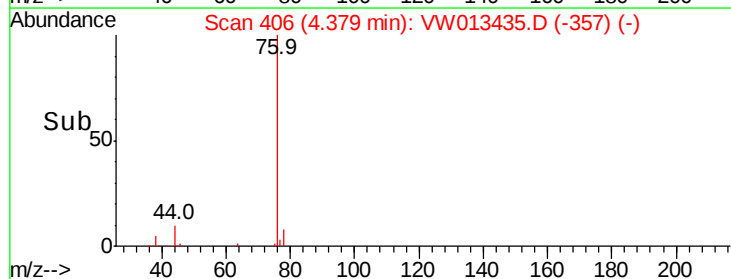
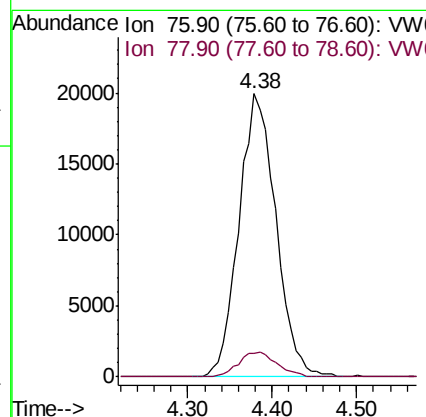
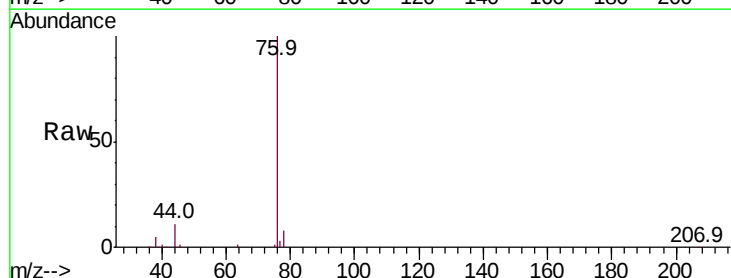
Acq: 04 Oct 2019 13:36

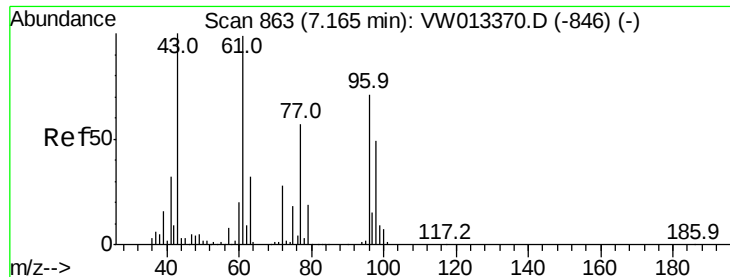
Tgt Ion: 76 Resp: 59231

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.4





#25

2-Butanone

Concen: 7.979 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW013435.D

Acq: 04 Oct 2019 13:36

Instrument :

MSVOA_W

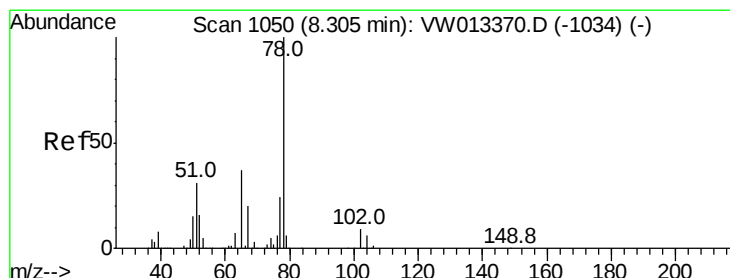
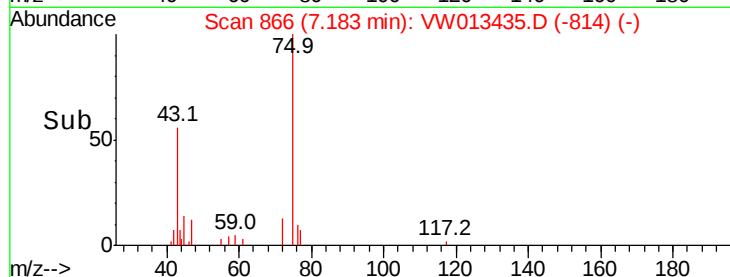
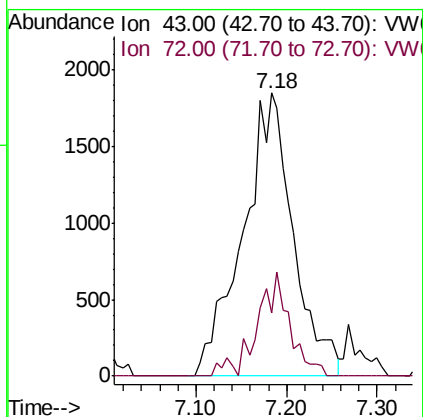
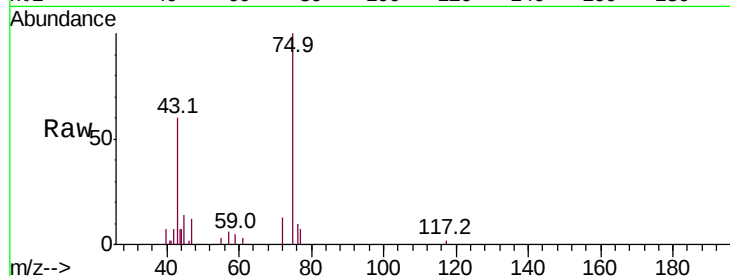
ClientSampleId :

Tot Ion: 43 Resp: 7136

Ion Ratio Lower Upper

43 100

72 22.4 19.4 29.0



#33

1,2-Dichloroethane-d4

Concen: 55.738 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013435.D

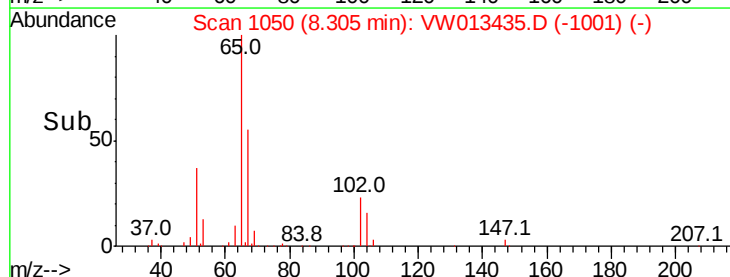
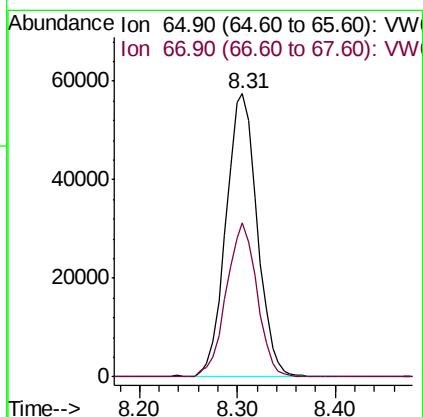
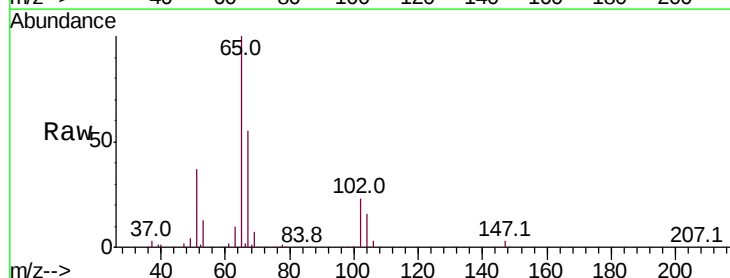
Acq: 04 Oct 2019 13:36

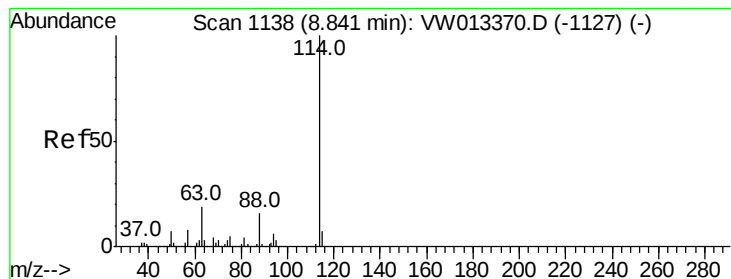
Tgt Ion: 65 Resp: 127092

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013435.D

Acq: 04 Oct 2019 13:36

Instrument :

MSVOA_W

ClientSampleId :

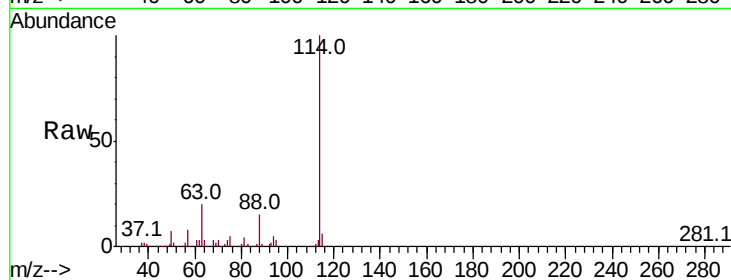
Tot Ion:114 Resp: 458908

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

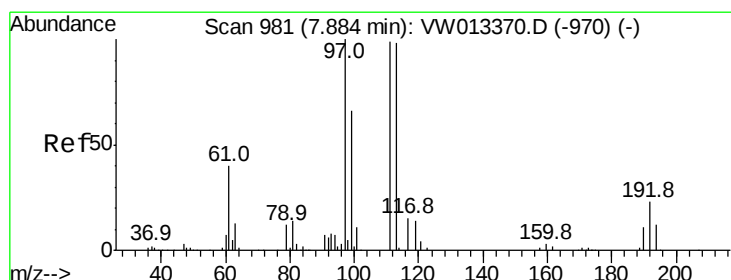
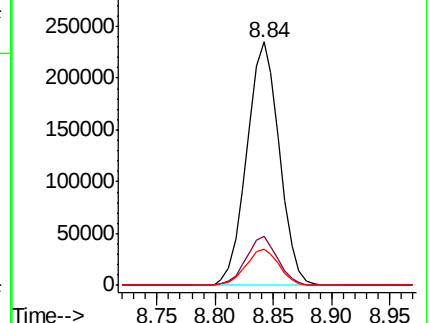
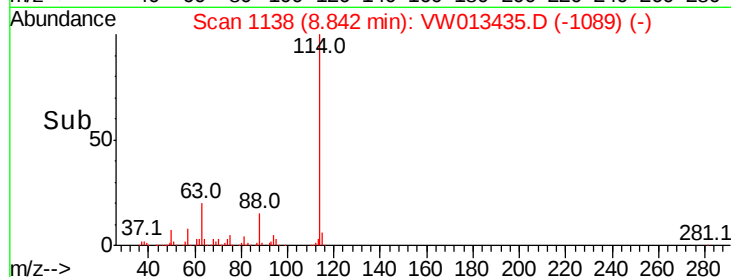
88 14.9 0.0 32.0



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: 53.227 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013435.D

Acq: 04 Oct 2019 13:36

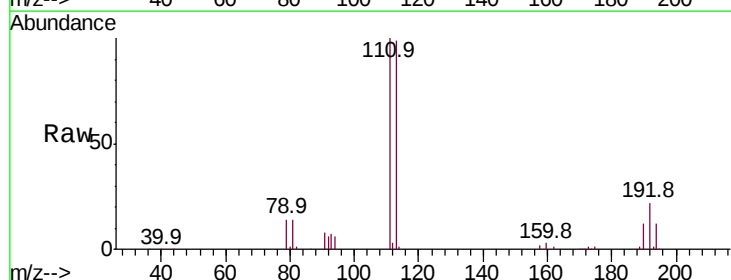
Tgt Ion:113 Resp: 128171

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

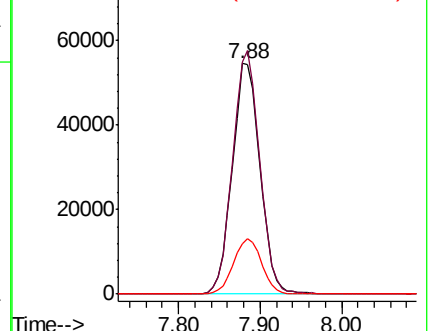
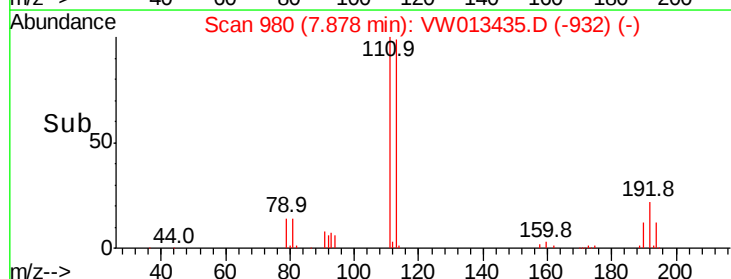
192 24.2 19.1 28.7

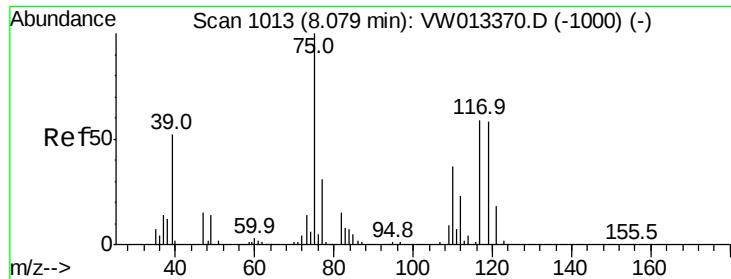


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

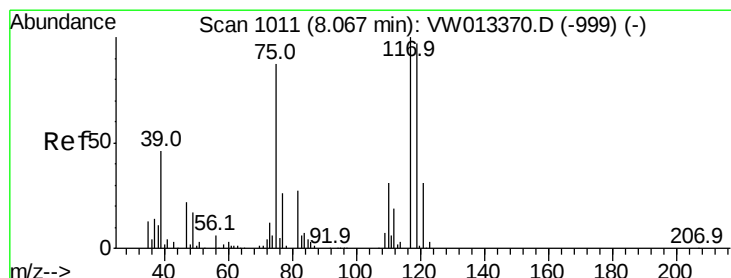
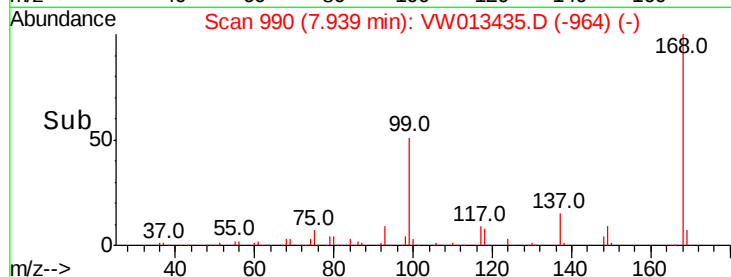
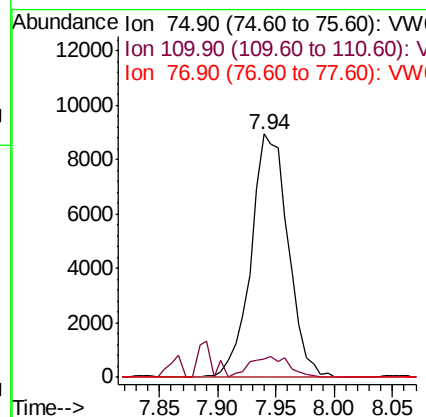
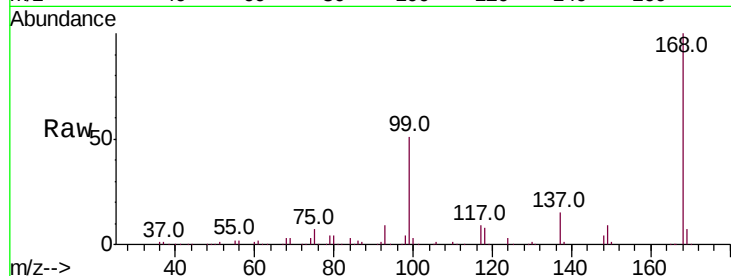




#36
 1,1-Dichloropropene
 Concen: 4.654 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013435.D
 Acq: 04 Oct 2019 13:36

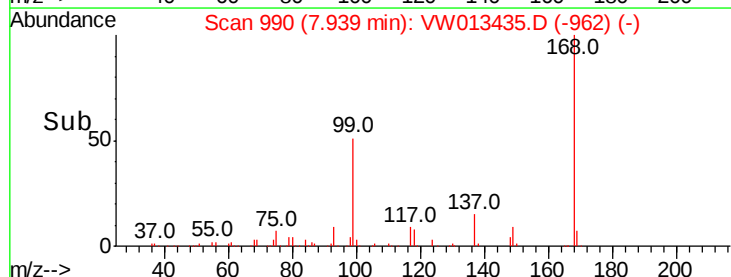
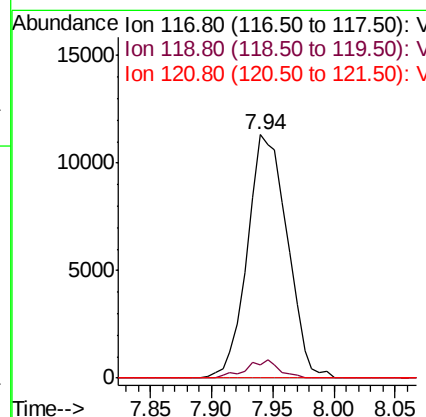
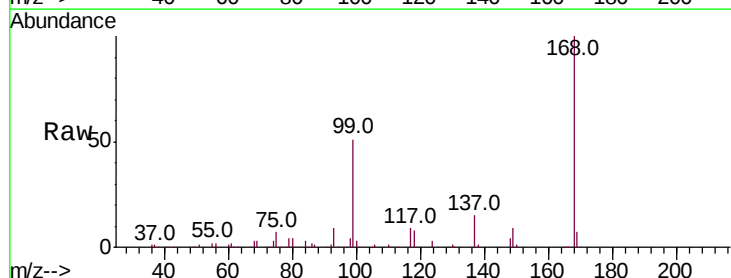
Instrument :
 MSVOA_W
 ClientSampleId :

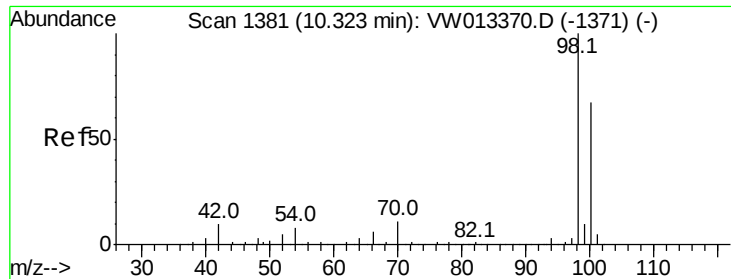
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.3#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.968 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW013435.D
 Acq: 04 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	73.5	110.3#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 52.376 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013435.D

Acq: 04 Oct 2019 13:36

Instrument :

MSVOA_W

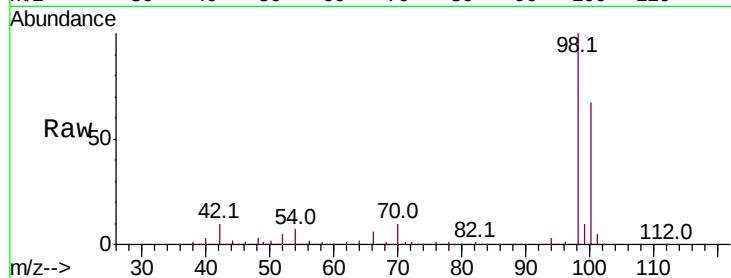
ClientSampleId :

Tot Ion: 98 Resp: 523376

Ion Ratio Lower Upper

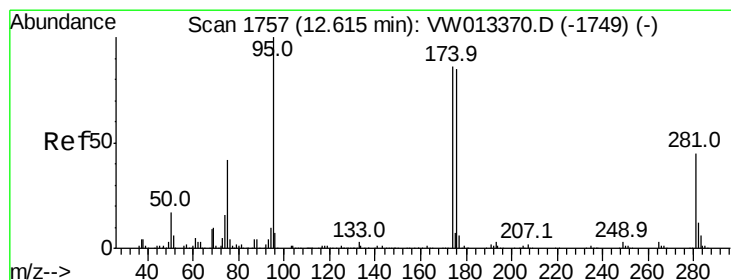
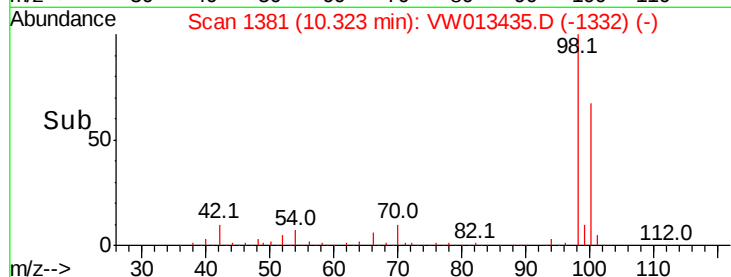
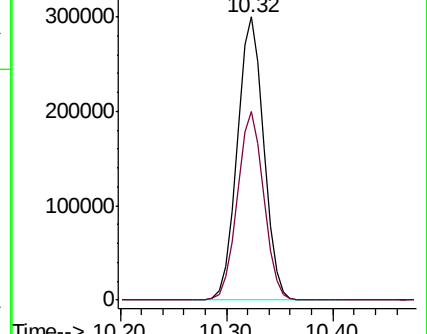
98 100

100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 50.642 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013435.D

Acq: 04 Oct 2019 13:36

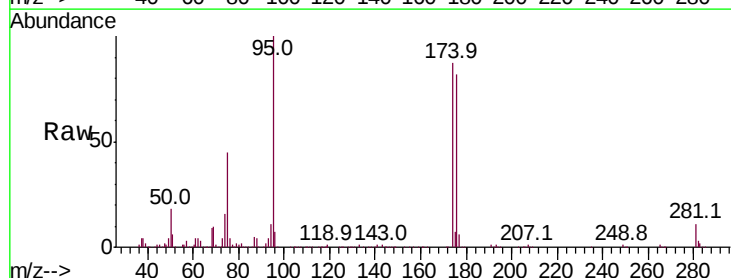
Tgt Ion: 95 Resp: 168989

Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.4

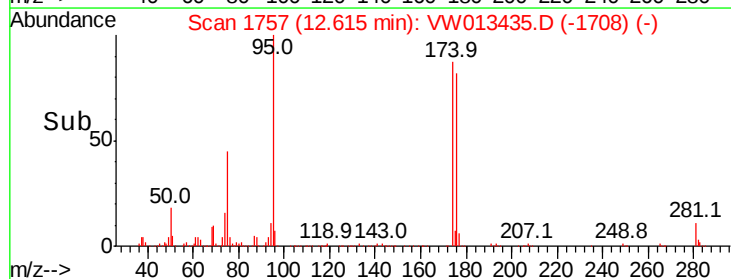
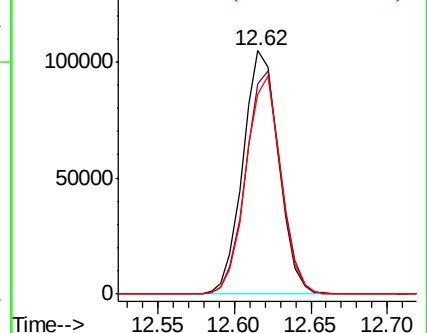
176 88.6 0.0 172.2

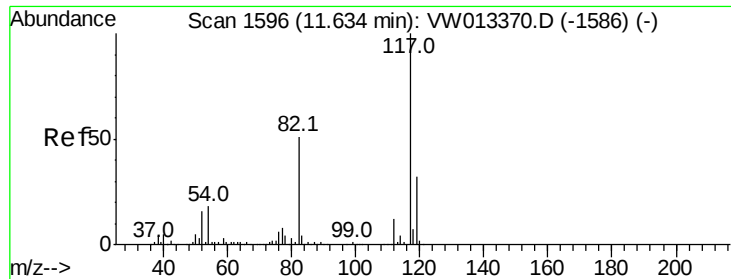


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

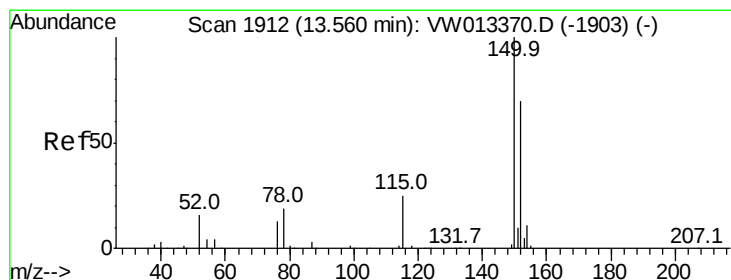
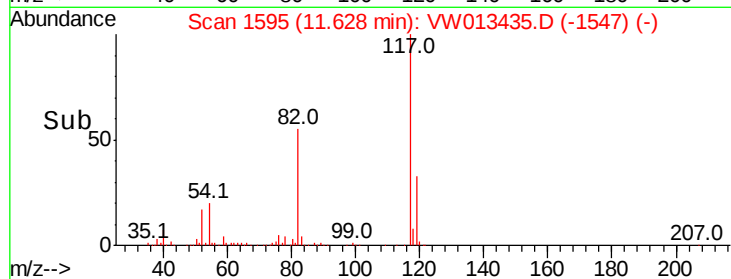
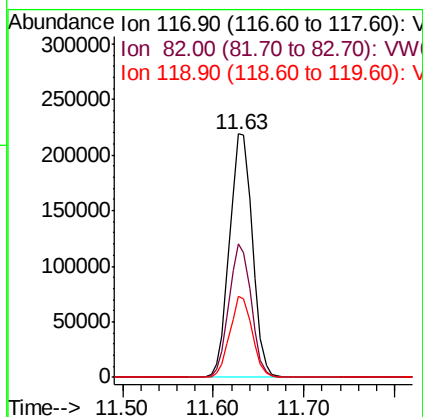
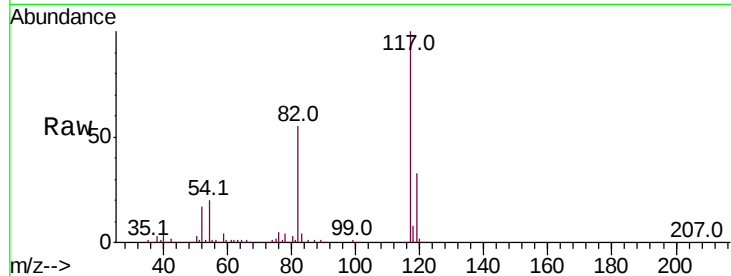




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013435.D
Acq: 04 Oct 2019 13:36

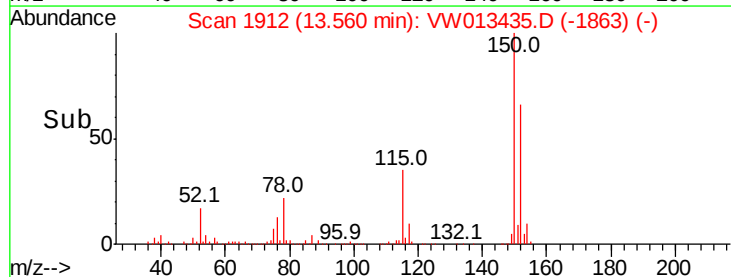
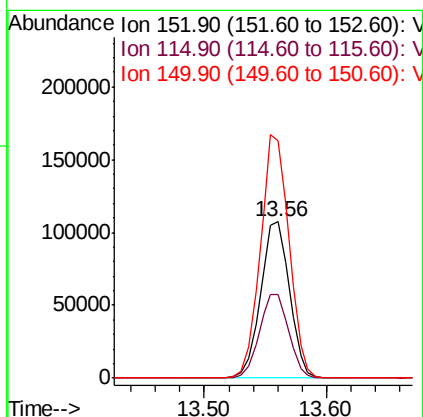
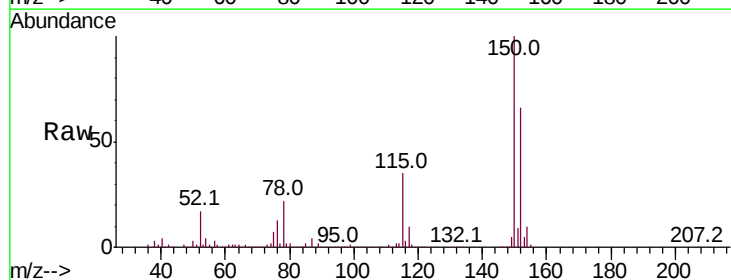
Instrument :
MSVOA_W
ClientSampled :

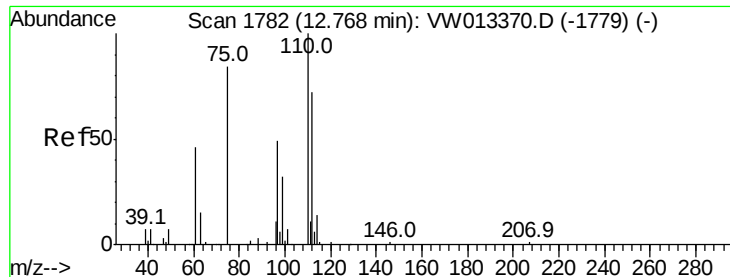
Tot Ion:117 Resp: 384078
Ion Ratio Lower Upper
117 100
82 54.9 45.9 68.9
119 33.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013435.D
Acq: 04 Oct 2019 13:36

Tgt Ion:152 Resp: 176213
Ion Ratio Lower Upper
152 100
115 54.5 27.3 81.9
150 154.9 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 49.571 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013435.D

Acq: 04 Oct 2019 13:36

Instrument :

MSVOA_W

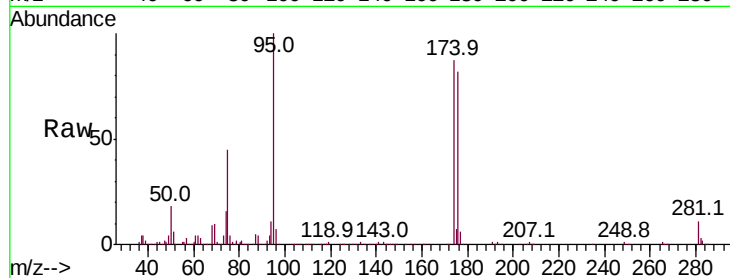
ClientSampled :

Tot Ion: 75 Resp: 77635

Ion Ratio Lower Upper

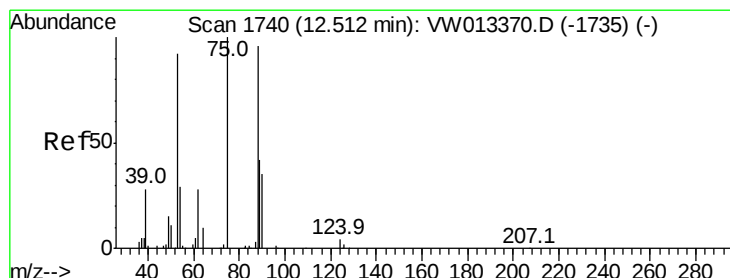
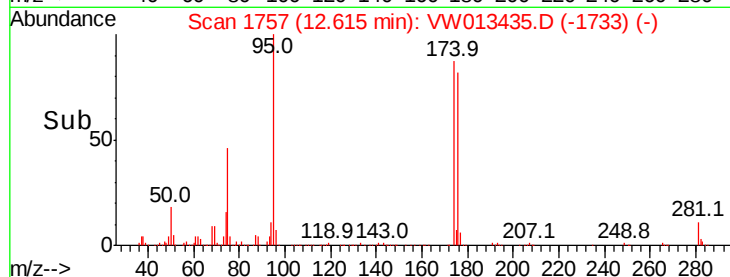
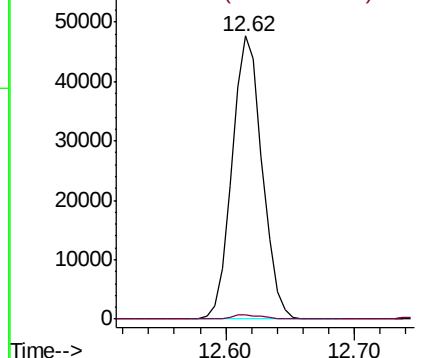
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 100.758 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013435.D

Acq: 04 Oct 2019 13:36

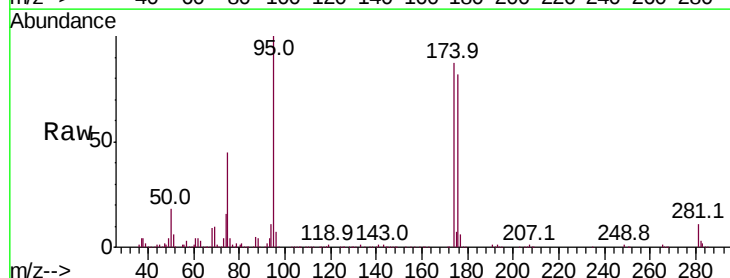
Tgt Ion: 75 Resp: 77635

Ion Ratio Lower Upper

75 100

53 0.2 76.6 114.8#

89 0.2 33.5 50.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

