

Data File : VW013448.D
Acq On : 04 Oct 2019 19:12
Operator : SY/VA
Sample : K5141-01
Misc : 8.07G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JC-02-100419

Quant Time: Oct 05 04:59:00 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	321749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	475116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	125329	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
35) Dibromofluoromethane	7.88	113	129492	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.32	98	537860	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.62	95	165594	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	

Target Compounds

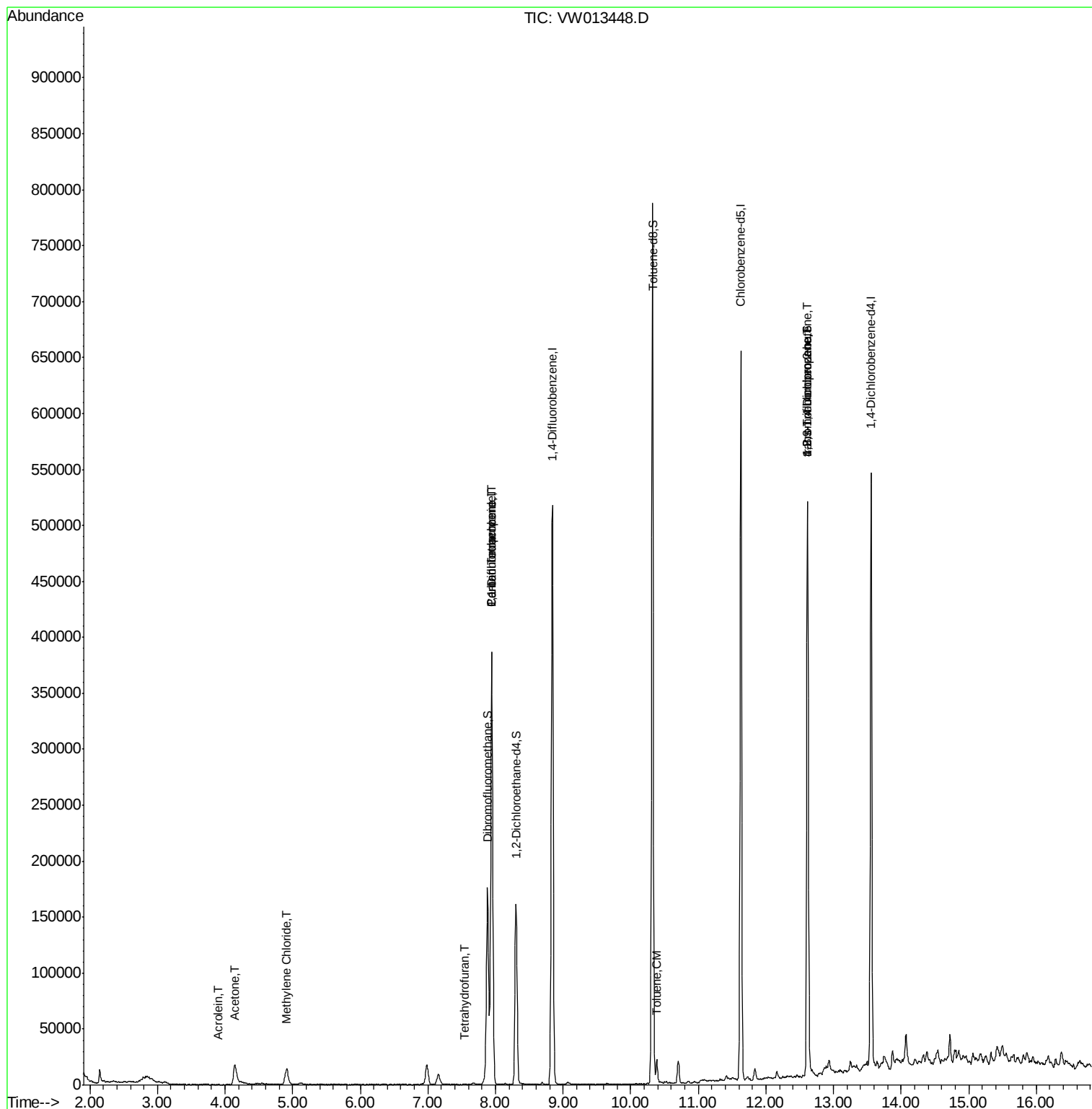
						Qvalue
11) Tert butyl alcohol	5.13	59	802	Below Cal	#	73
13) Acrolein	3.89	56	27	10.684	ug/l #	15
16) Acetone	4.15	43	46561	63.229	ug/l	99
20) Methylene Chloride	4.91	84	10987	1.850	ug/l #	89
26) 2,2-Dichloropropane	7.15	77	466	Below Cal	#	52
29) Tetrahydrofuran	7.53	42	48	9.777	ug/l #	34
36) 1,1-Dichloropropene	7.94	75	20234	4.585	ug/l #	48
38) Carbon Tetrachloride	7.94	117	27567	7.211	ug/l #	18
52) Toluene	10.38	92	9314	1.156	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	75015	53.631	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75015	108.665	ug/l #	12

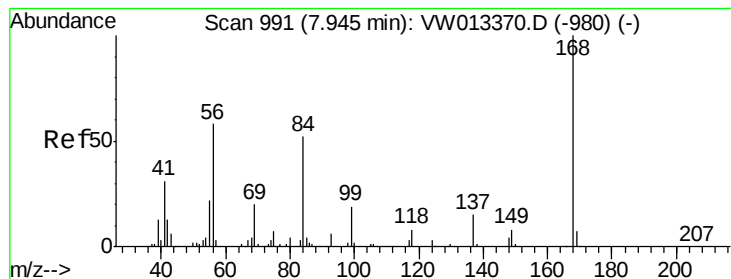
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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MSVOA_W

ClientSampleId :

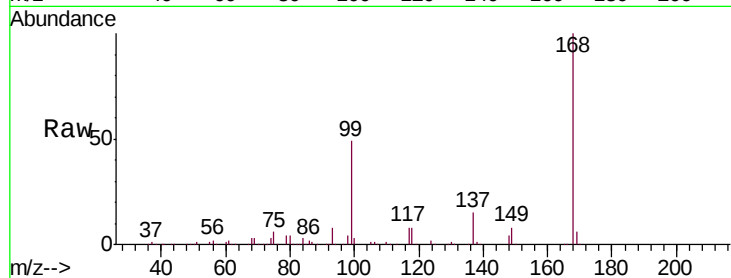
JC-02-100419

Tgt Ion: 168 Resp: 321749

Ion Ratio Lower Upper

168 100

99 48.7 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

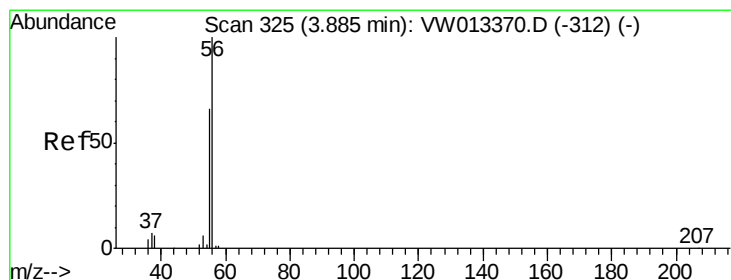
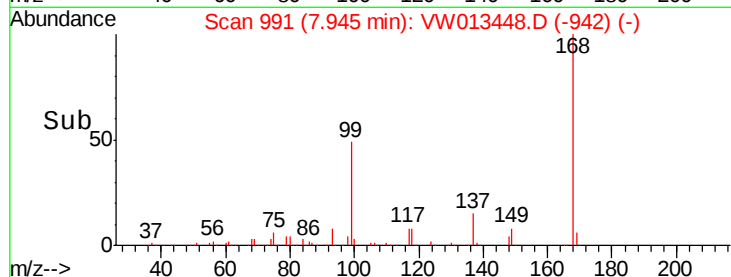
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#13

Acrolein

Concen: 10.684 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013448.D

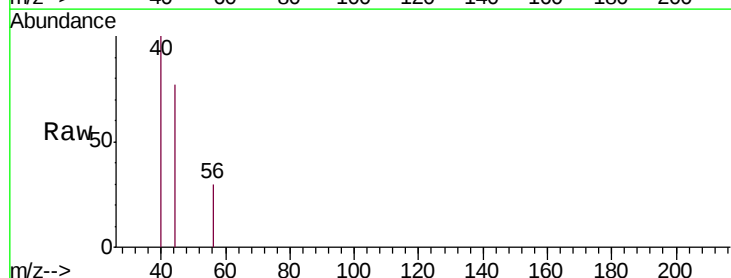
Acq: 04 Oct 2019 19:12

Tgt Ion: 56 Resp: 27

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

80

60

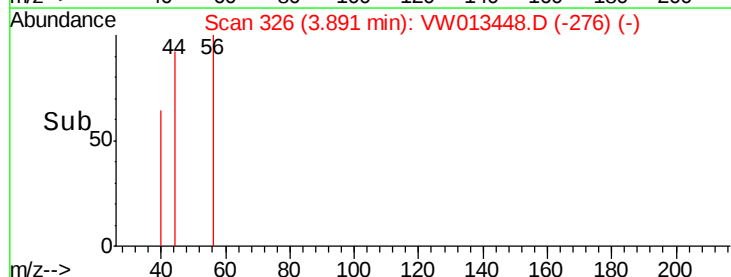
40

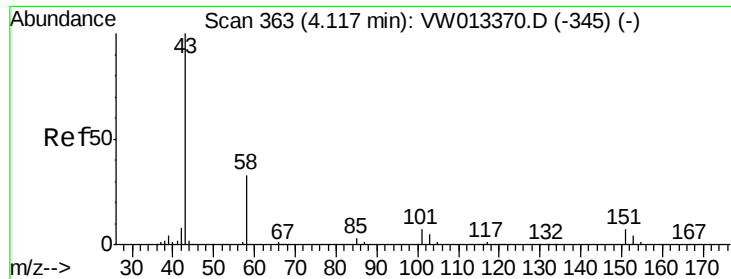
20

0

3.88 3.89 3.90

Time-->





#16

Acetone

Concen: 63.229 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013448.D

Acq: 04 Oct 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

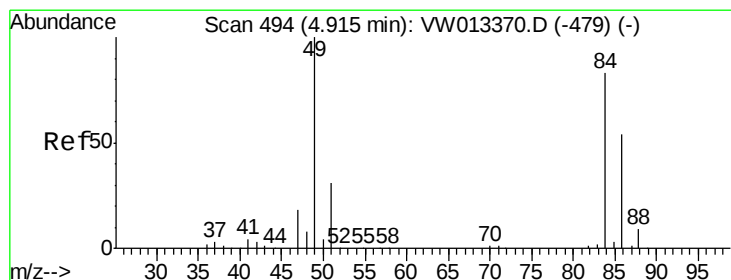
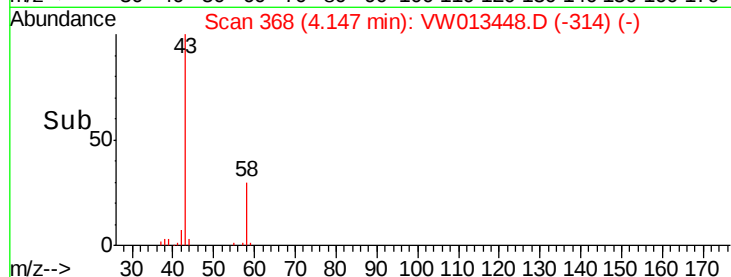
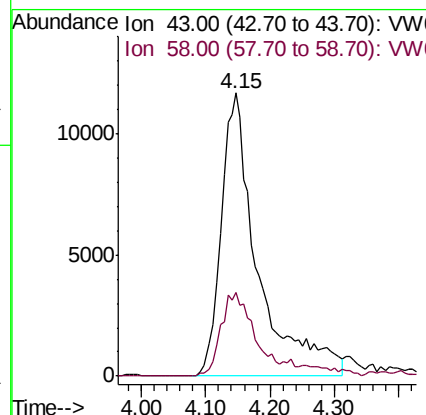
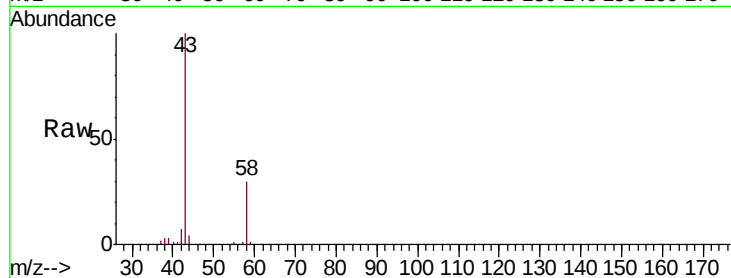
JC-02-100419

Tgt Ion: 43 Resp: 46561

Ion Ratio Lower Upper

43 100

58 29.6 24.1 36.1



#20

Methylene Chloride

Concen: 1.850 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013448.D

Acq: 04 Oct 2019 19:12

Tgt Ion: 84 Resp: 10987

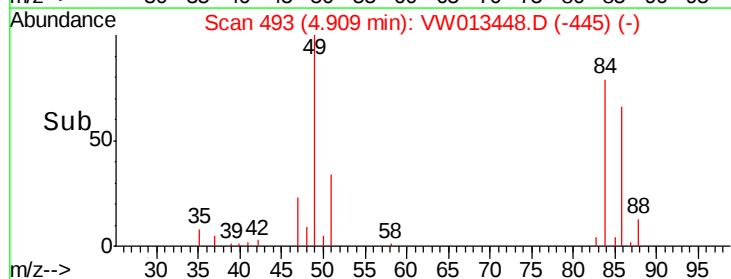
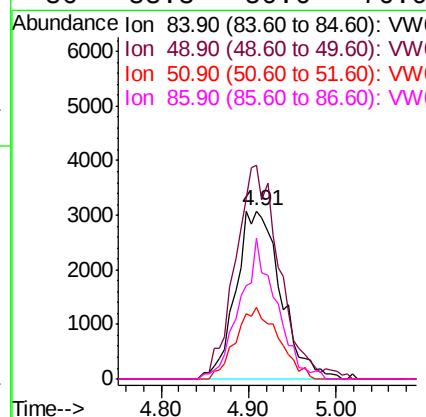
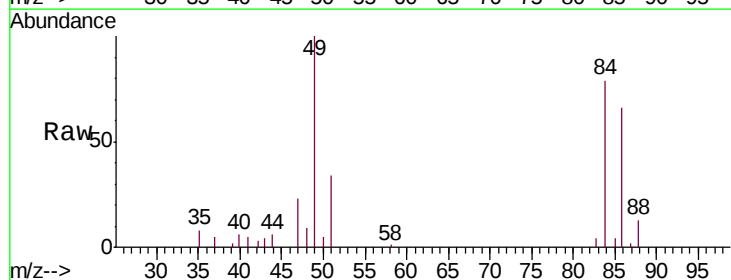
Ion Ratio Lower Upper

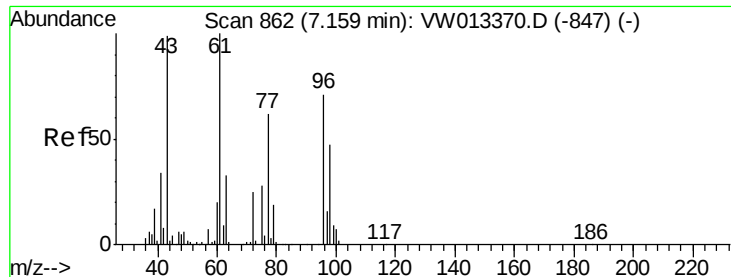
84 100

49 126.9 97.6 146.4

51 43.0 30.2 45.2

86 83.3 50.6 76.0#

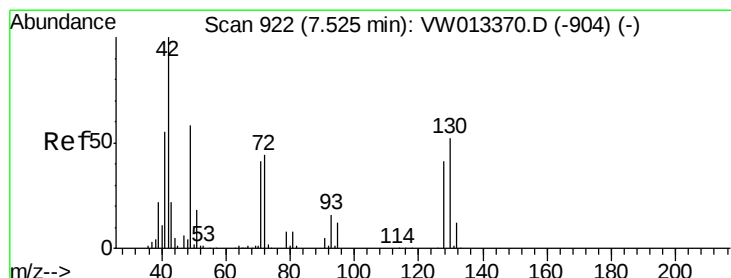
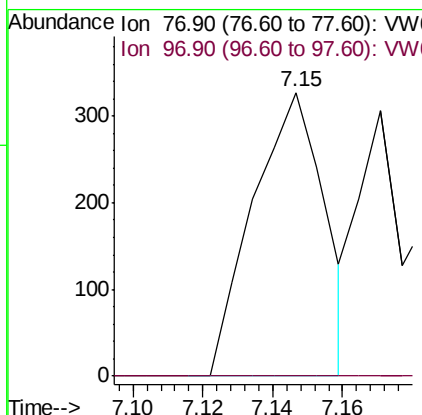
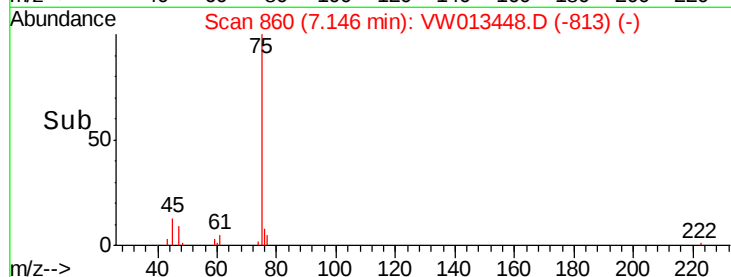
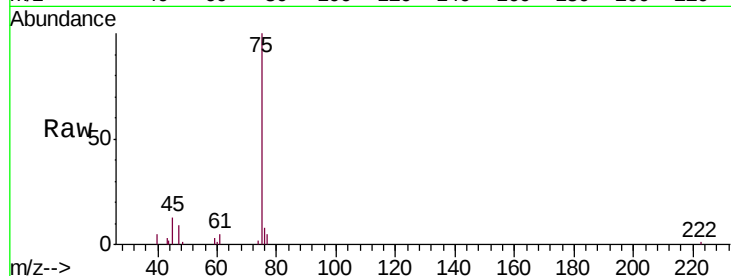




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VW013448.D
 Acq: 04 Oct 2019 19:12

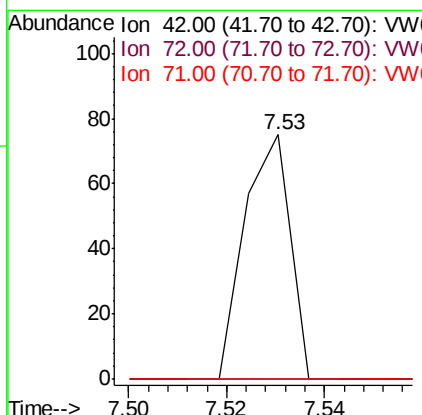
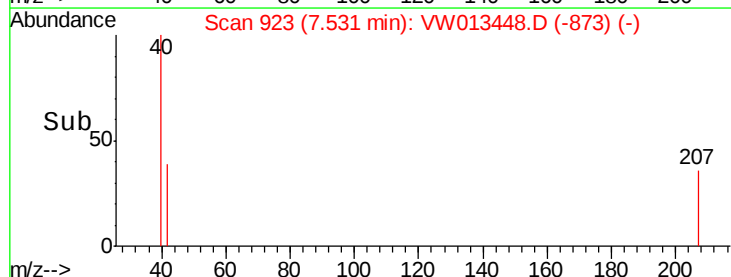
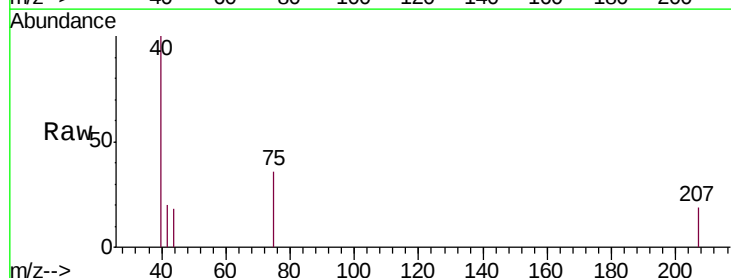
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-100419

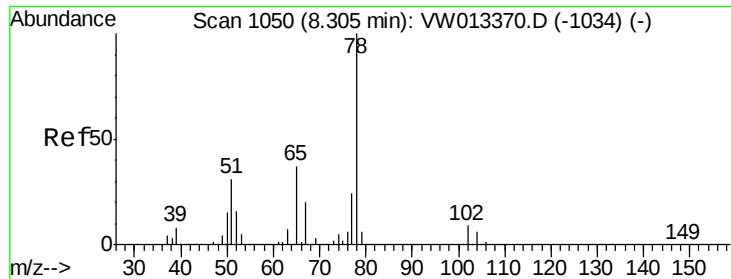
Tgt Ion: 77 Resp: 466
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.4#



#29
 Tetrahydrofuran
 Concen: 9.777 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013448.D
 Acq: 04 Oct 2019 19:12

Tgt Ion: 42 Resp: 48
 Ion Ratio Lower Upper
 42 100
 72 0.0 33.9 50.9#
 71 0.0 31.9 47.9#

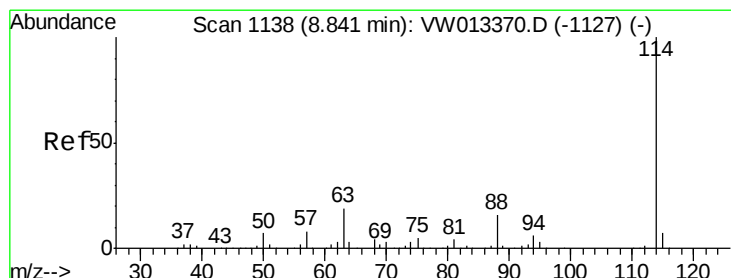
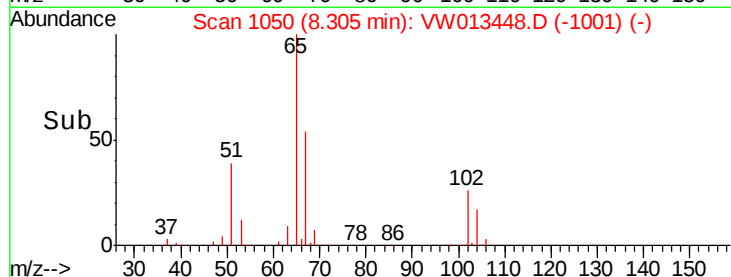
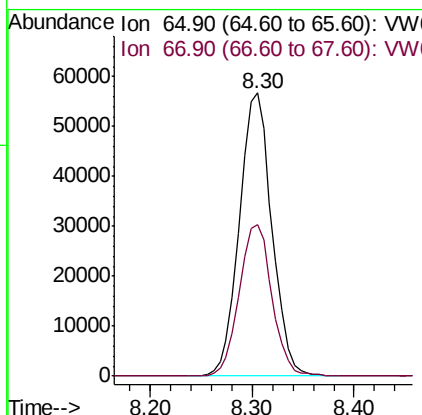
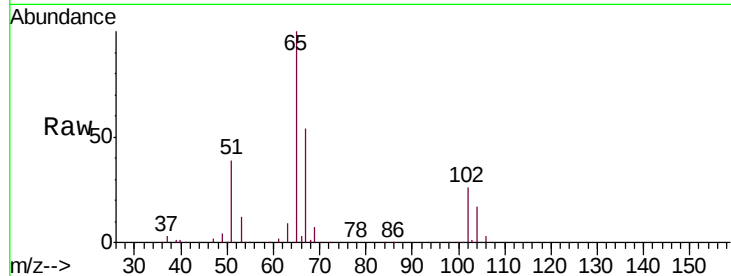




#33
 1,2-Dichloroethane-d4
 Concen: 52.168 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013448.D
 Acq: 04 Oct 2019 19:12

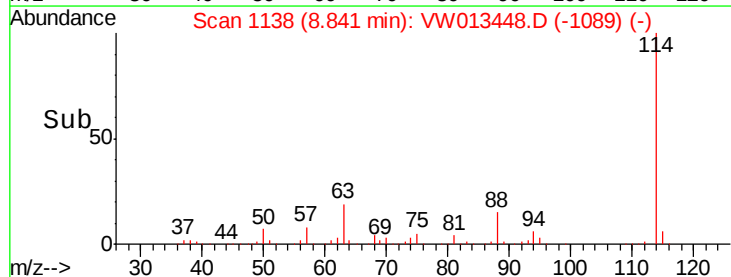
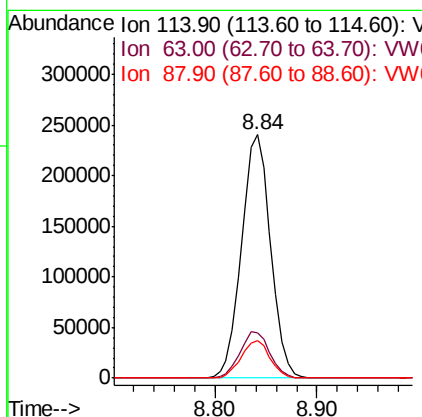
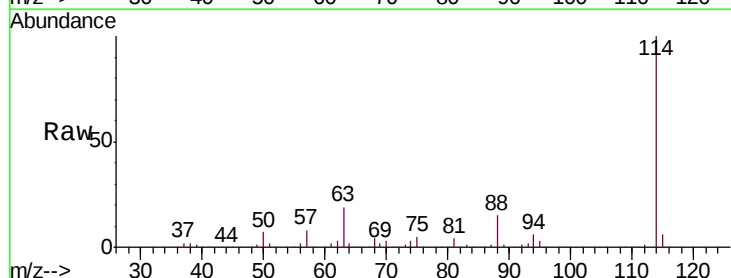
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-100419

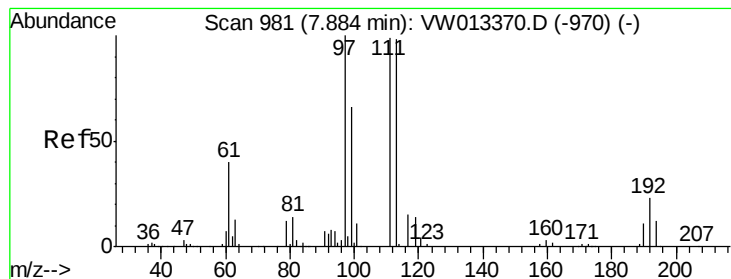
Tgt Ion: 65 Resp: 125329
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013448.D
 Acq: 04 Oct 2019 19:12

Tgt Ion: 114 Resp: 475116
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 41.4
 88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.941 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013448.D

Acq: 04 Oct 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

JC-02-100419

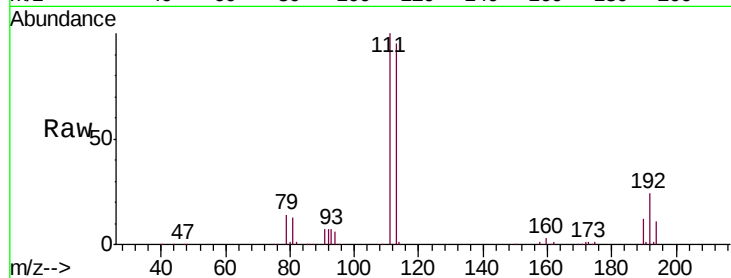
Tgt Ion:113 Resp: 129492

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

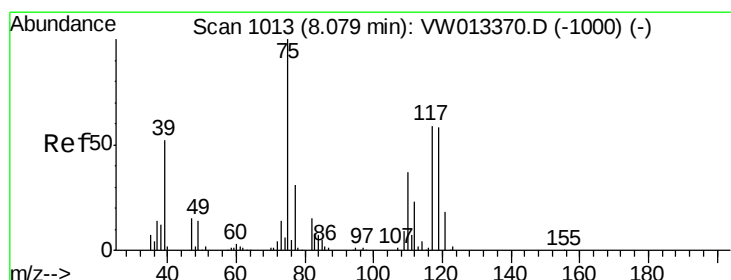
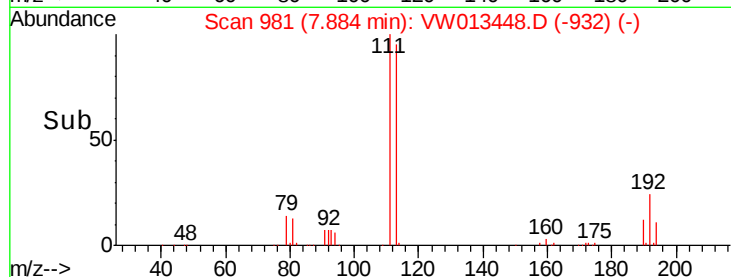
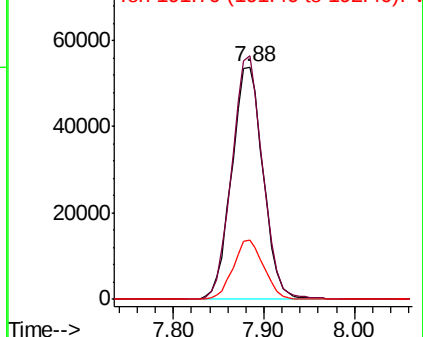
192 24.7 19.1 28.7



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: 4.585 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013448.D

Acq: 04 Oct 2019 19:12

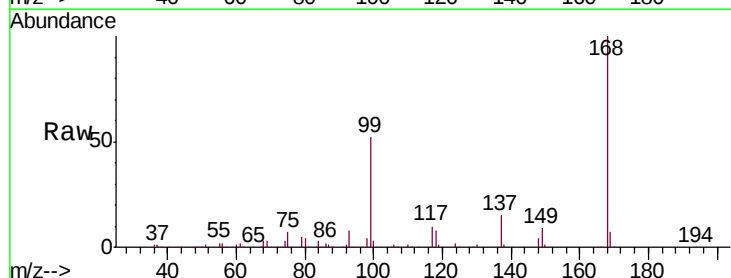
Tgt Ion: 75 Resp: 20234

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.3#

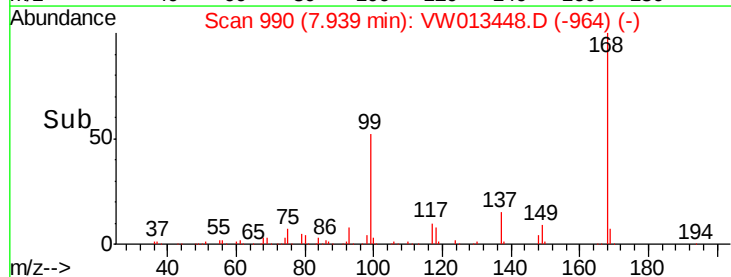
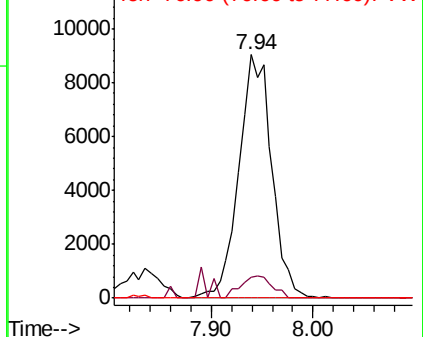
77 0.0 25.8 38.6#

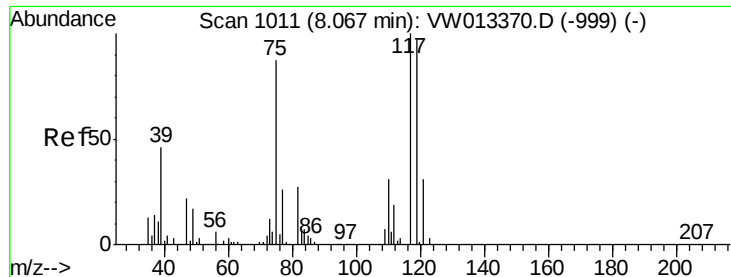


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.211 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013448.D

Acq: 04 Oct 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

JC-02-100419

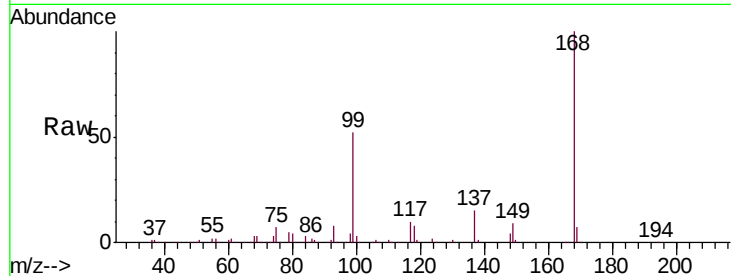
Tgt Ion:117 Resp: 27567

Ion Ratio Lower Upper

117 100

119 5.4 73.5 110.3#

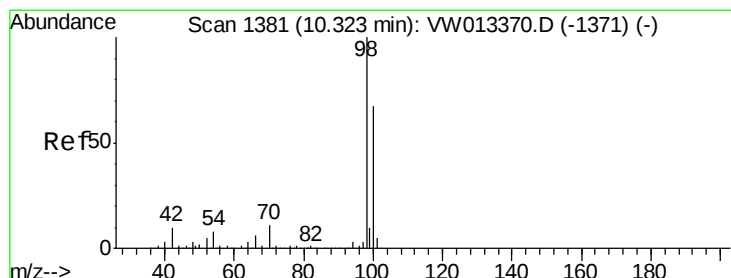
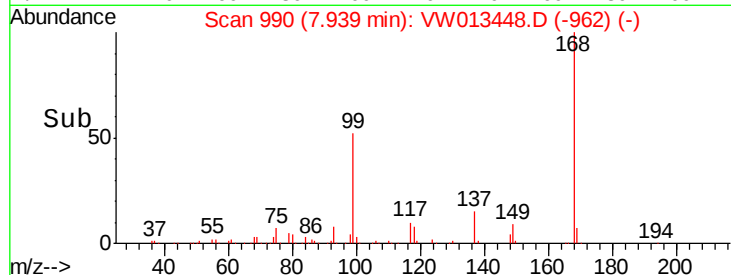
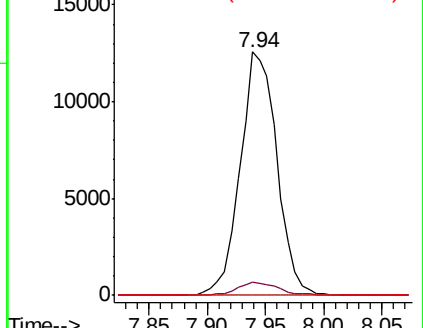
121 0.0 25.0 37.6#



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: 51.989 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013448.D

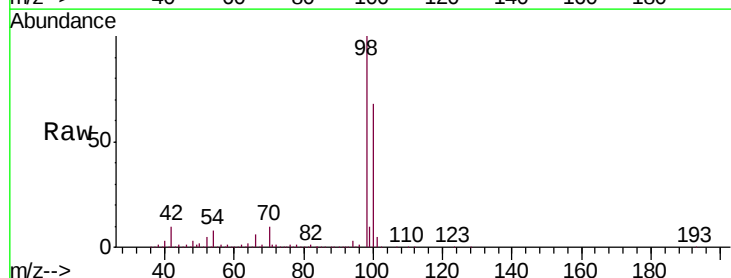
Acq: 04 Oct 2019 19:12

Tgt Ion: 98 Resp: 537860

Ion Ratio Lower Upper

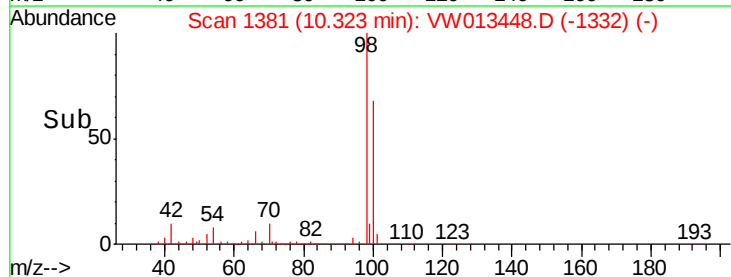
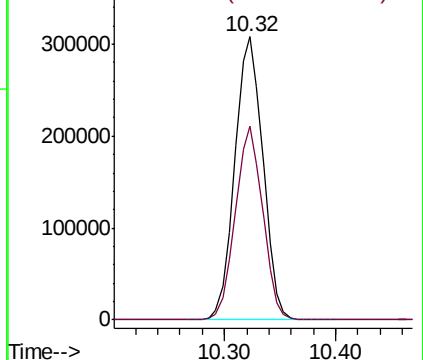
98 100

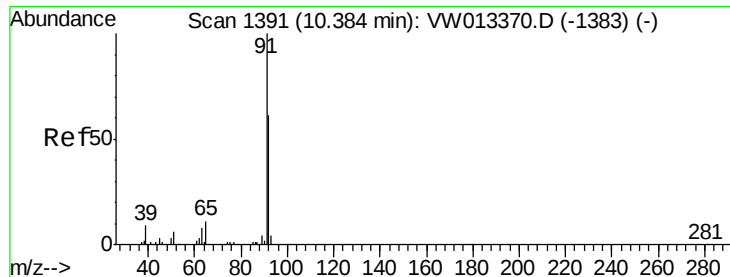
100 66.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.156 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013448.D

Acq: 04 Oct 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

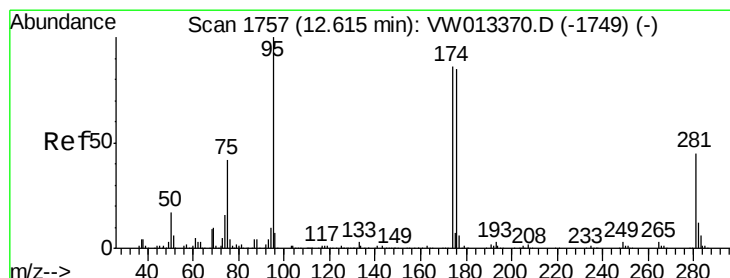
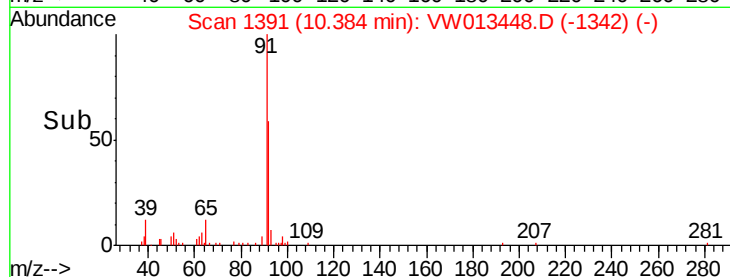
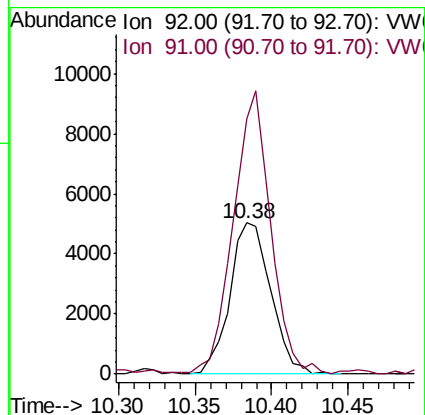
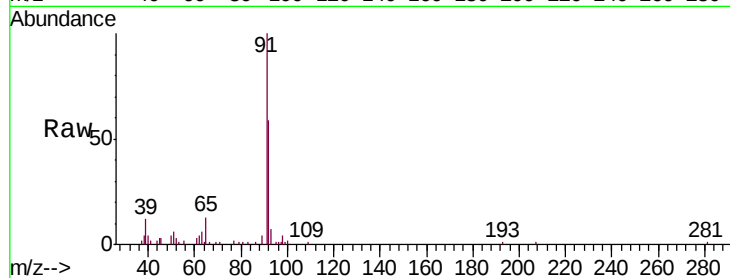
JC-02-100419

Tgt Ion: 92 Resp: 9314

Ion Ratio Lower Upper

92 100

91 171.2 135.7 203.5



#62

4-Bromofluorobenzene

Concen: 47.931 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013448.D

Acq: 04 Oct 2019 19:12

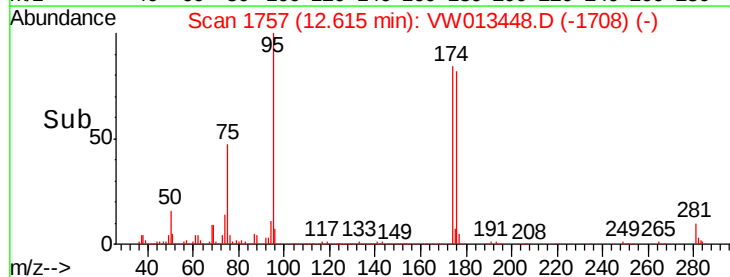
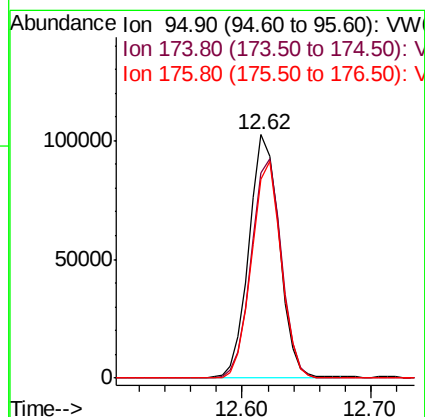
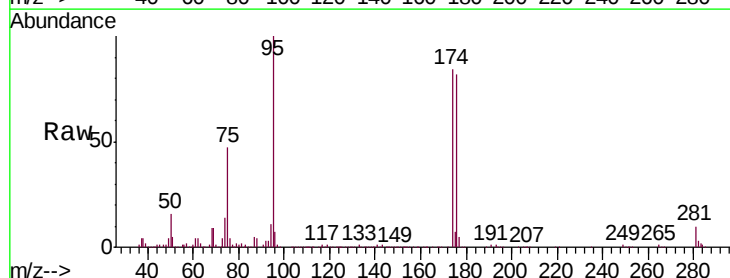
Tgt Ion: 95 Resp: 165594

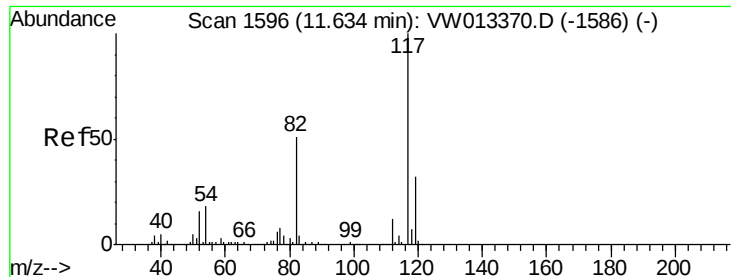
Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.4

176 86.9 0.0 172.2

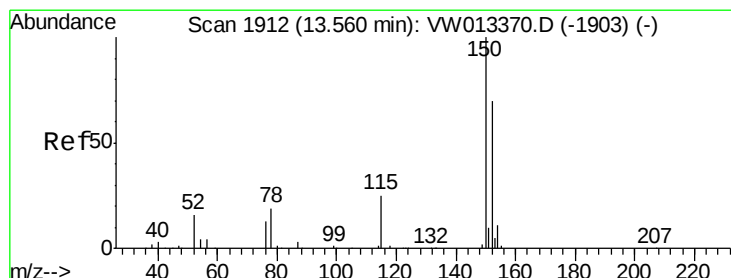
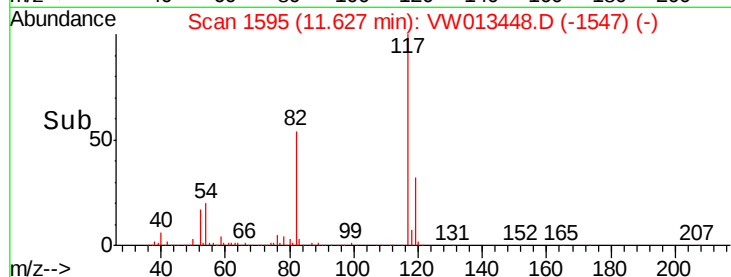
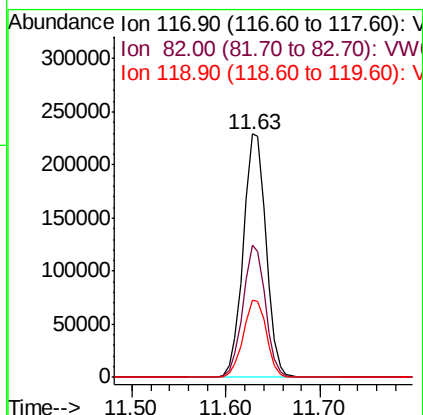
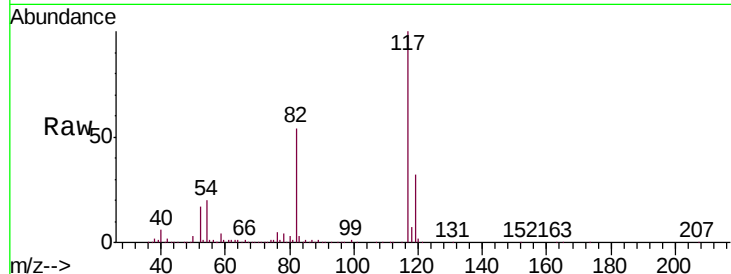




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013448.D
Acq: 04 Oct 2019 19:12

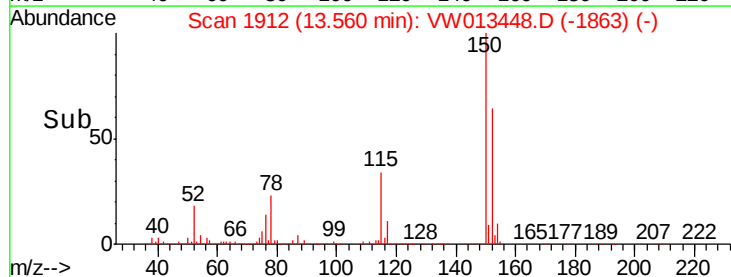
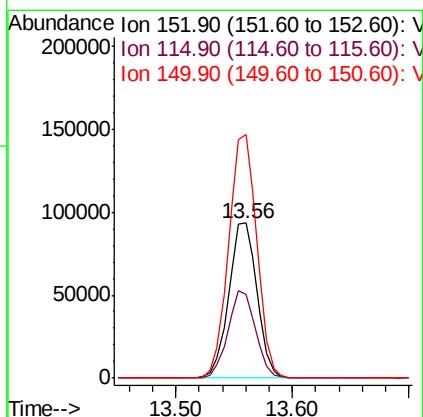
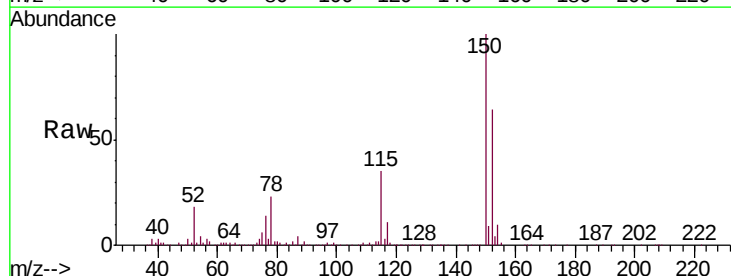
Instrument :
MSVOA_W
ClientSampleId :
JC-02-100419

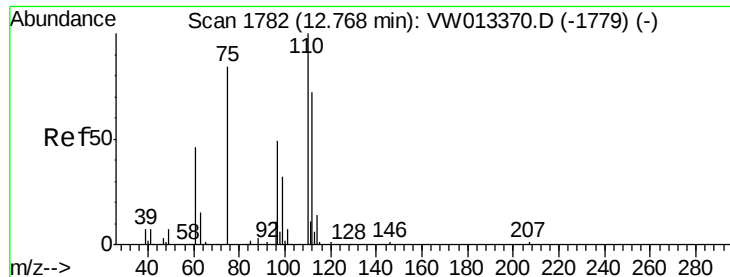
Tgt Ion:117 Resp: 387918
Ion Ratio Lower Upper
117 100
82 54.1 45.9 68.9
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013448.D
Acq: 04 Oct 2019 19:12

Tgt Ion:152 Resp: 157379
Ion Ratio Lower Upper
152 100
115 54.6 27.3 81.9
150 156.8 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 53.631 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013448.D

Acq: 04 Oct 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

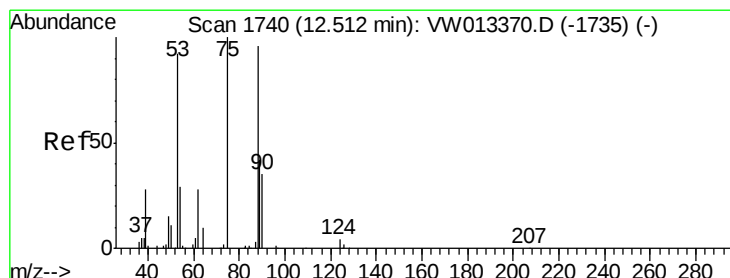
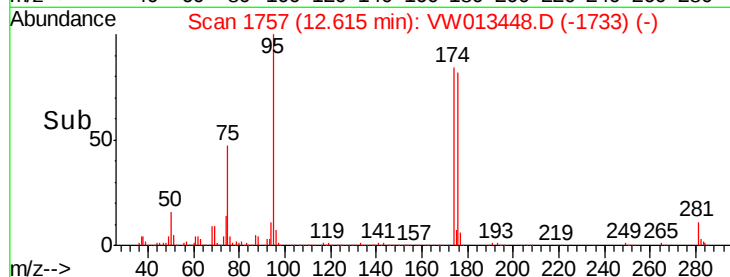
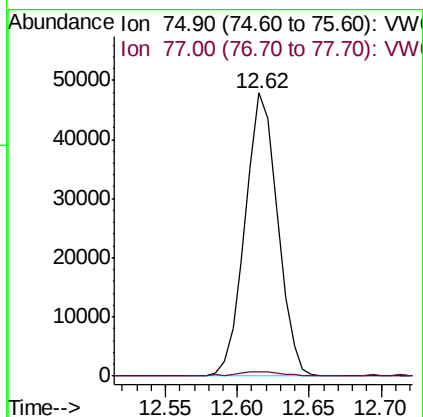
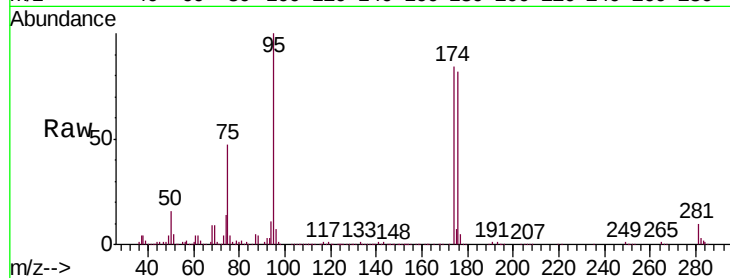
JC-02-100419

Tgt Ion: 75 Resp: 75015

Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.665 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013448.D

Acq: 04 Oct 2019 19:12

Tgt Ion: 75 Resp: 75015

Ion Ratio Lower Upper

75 100

53 0.3 76.6 114.8#

89 0.0 33.5 50.3#

