

Data File : VW013123.D
Acq On : 18 Sep 2019 19:28
Operator : SY/VA
Sample : K4942-03
Misc : 2.09G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-2

Quant Time: Sep 19 07:57:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	328330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	498535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	164892	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	154061	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
35) Dibromofluoromethane	7.88	113	141874	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	10.32	98	575310	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
62) 4-Bromofluorobenzene	12.62	95	174173	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	

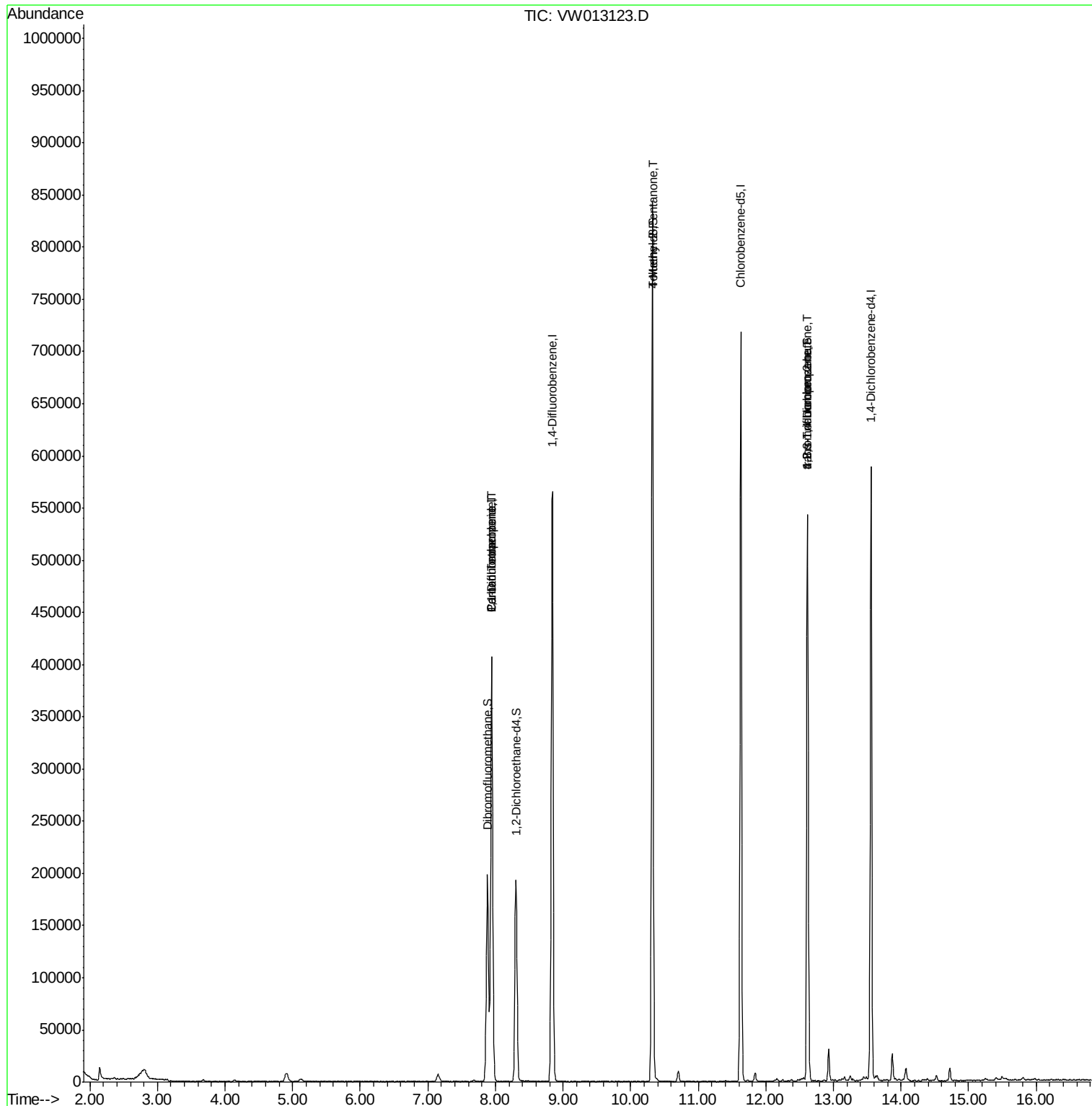
Target Compounds			Qvalue			
3) Chloromethane	2.20	50	290	Below Cal	#	41
11) Tert butyl alcohol	5.12	59	2236	Below Cal	#	72
13) Acrolein	4.02	56	44	Below Cal	#	15
16) Acetone	4.14	43	3463	Below Cal		93
20) Methylene Chloride	4.90	84	7116	Below Cal		91
26) 2,2-Dichloropropane	7.15	77	340	Below Cal	#	55
31) Cyclohexane	7.94	56	5741	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	22759	5.713	ug/l #	50
38) Carbon Tetrachloride	7.95	117	28803	7.055	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	2591	1.236	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	84330	58.387	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84330	132.450	ug/l #	7

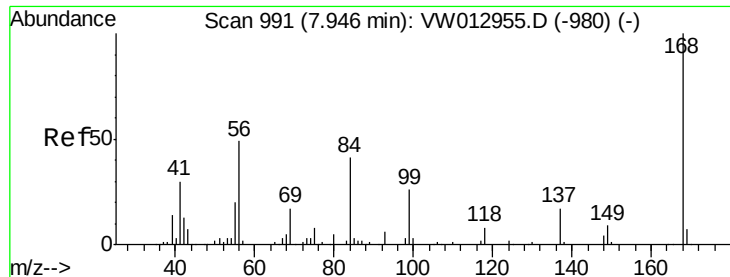
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013123.D

Acq: 18 Sep 2019 19:28

Instrument :

MSVOA_W

ClientSampleId :

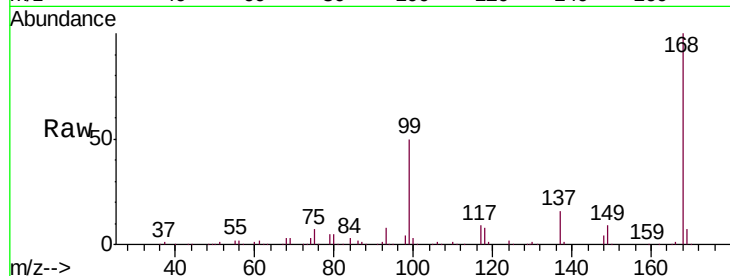
TP-2

Tgt Ion:168 Resp: 328330

Ion Ratio Lower Upper

168 100

99 50.2 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

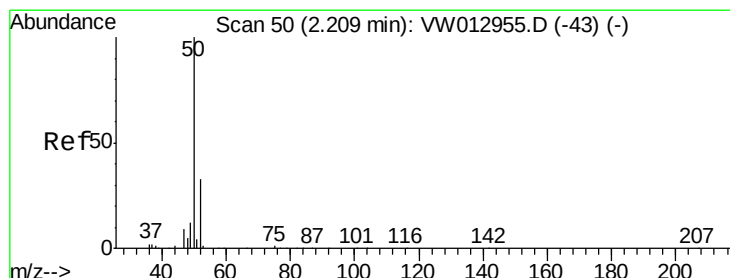
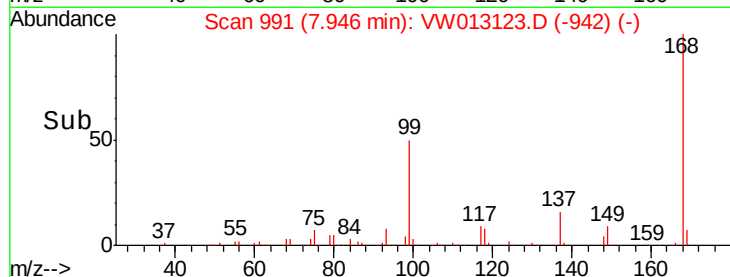
50000

0

Time-->

7.90

8.00



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013123.D

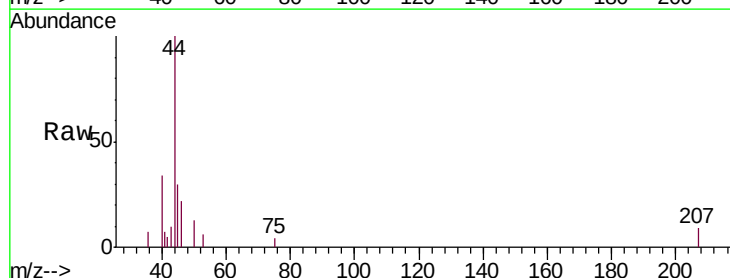
Acq: 18 Sep 2019 19:28

Tgt Ion: 50 Resp: 290

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.20

200

150

100

50

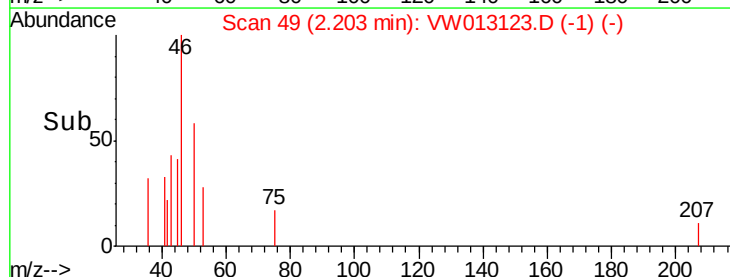
0

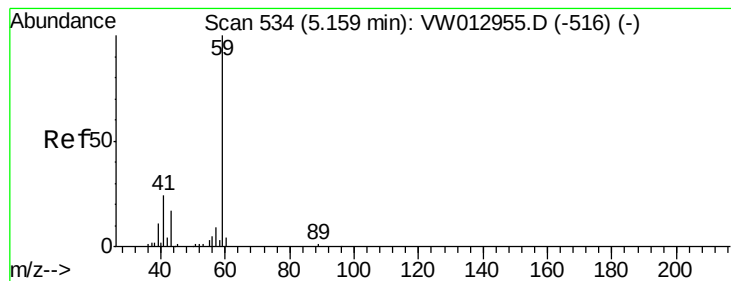
Time-->

2.15

2.20

2.25



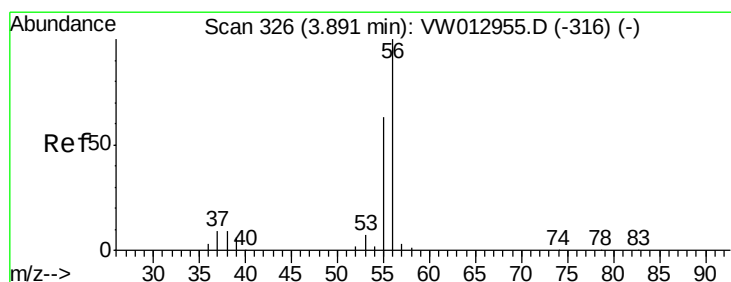
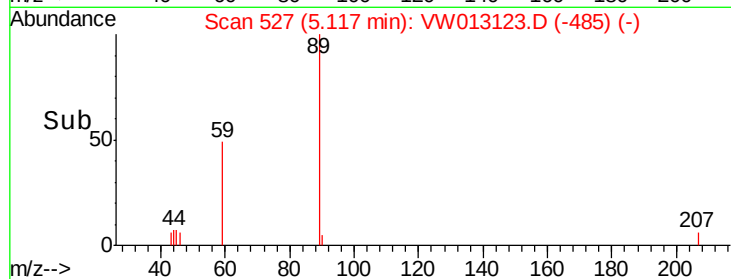
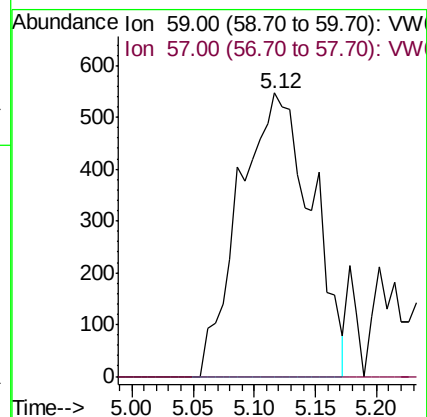
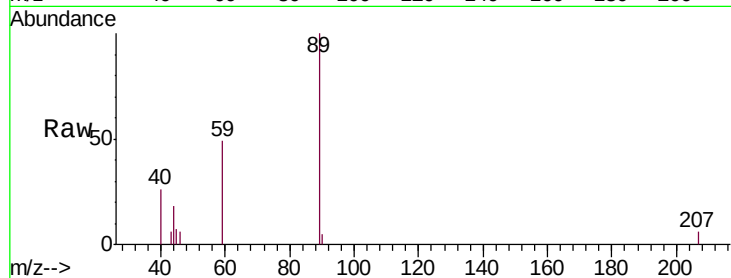


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.12 min Scan# 527
Delta R.T. -0.04 min
Lab File: VW013123.D
Acq: 18 Sep 2019 19:28

Instrument :
MSVOA_W
ClientSampleId :
TP-2

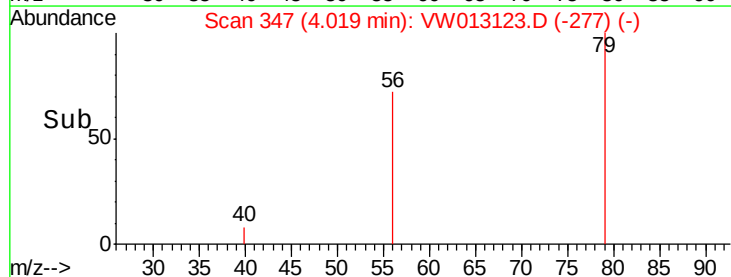
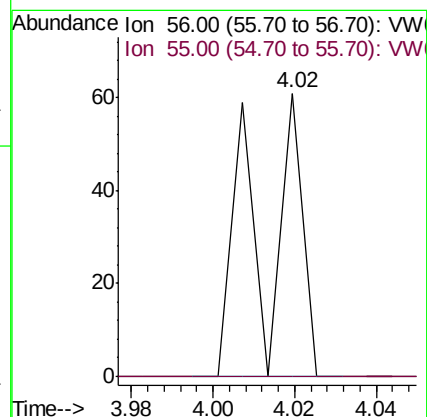
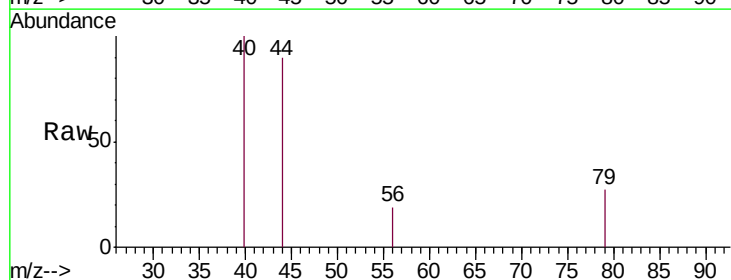
Tgt Ion: 59 Resp: 2236
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

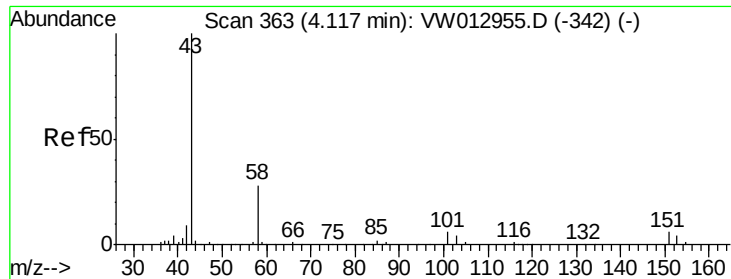


#13

Acrolein
Concen: Below Cal
RT: 4.02 min Scan# 347
Delta R.T. 0.13 min
Lab File: VW013123.D
Acq: 18 Sep 2019 19:28

Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. 0.03 min

Lab File: VW013123.D

Acq: 18 Sep 2019 19:28

Instrument :

MSVOA_W

ClientSampled :

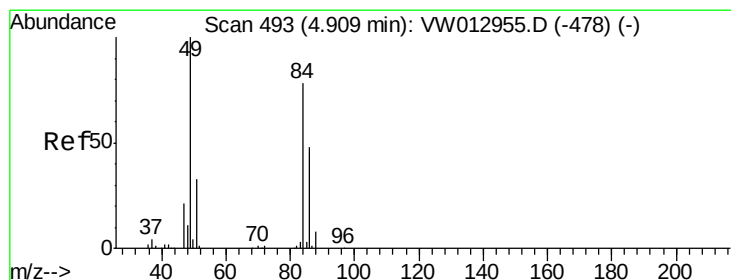
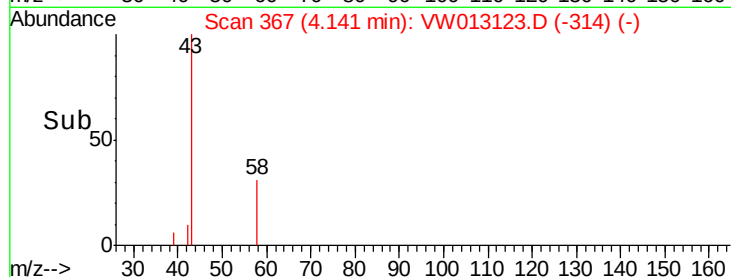
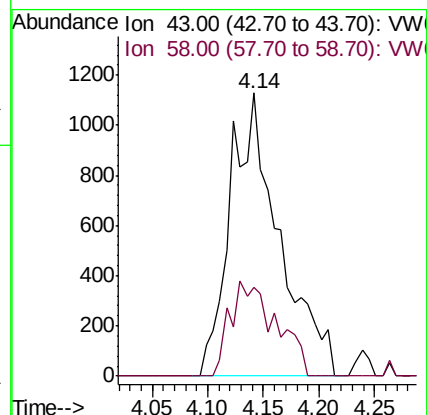
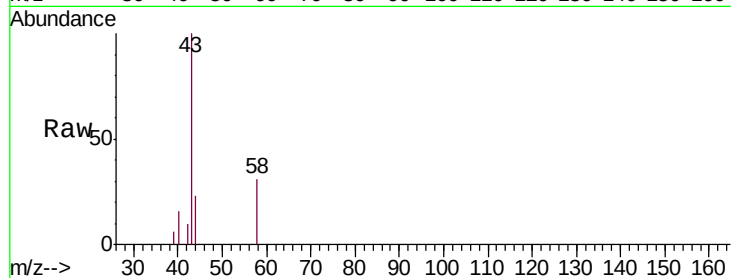
TP-2

Tgt Ion: 43 Resp: 3463

Ion Ratio Lower Upper

43 100

58 31.5 22.3 33.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 491

Delta R.T. -0.01 min

Lab File: VW013123.D

Acq: 18 Sep 2019 19:28

Tgt Ion: 84 Resp: 7116

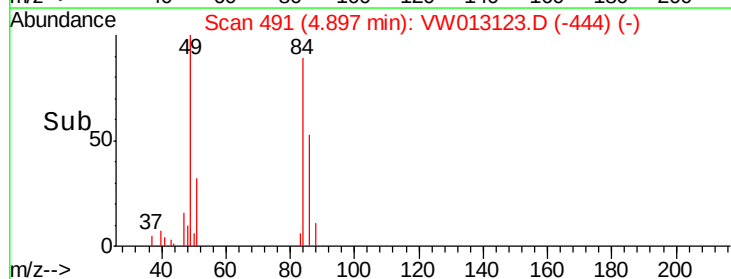
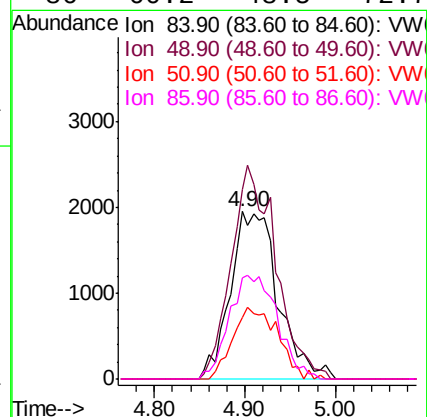
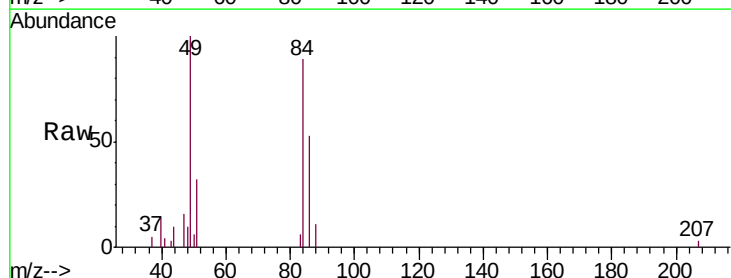
Ion Ratio Lower Upper

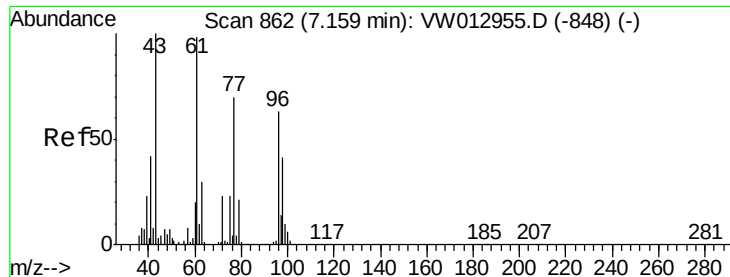
84 100

49 112.8 102.0 153.0

51 36.4 34.0 51.0

86 60.2 48.5 72.7





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013123.D

Acq: 18 Sep 2019 19:28

Instrument :

MSVOA_W

ClientSampleId :

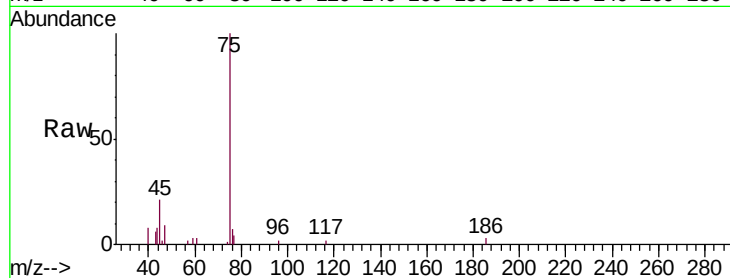
TP-2

Tgt Ion: 77 Resp: 340

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.15

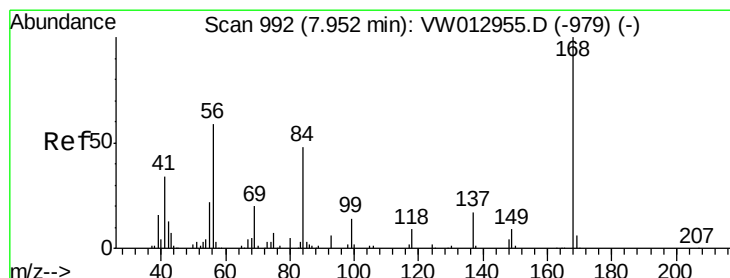
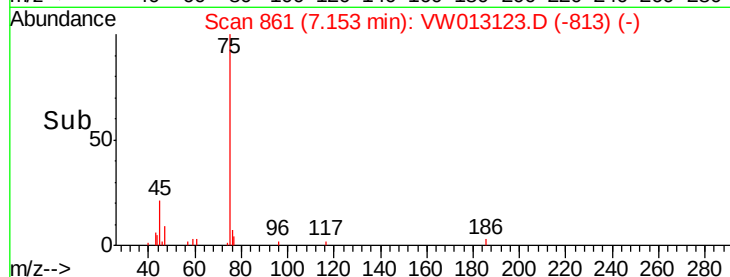
150

100

50

0

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013123.D

Acq: 18 Sep 2019 19:28

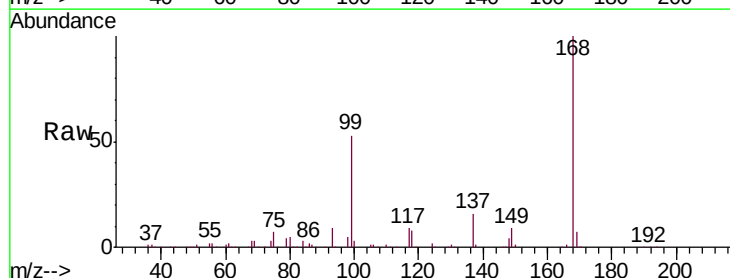
Tgt Ion: 56 Resp: 5741

Ion Ratio Lower Upper

56 100

69 175.7 27.0 40.6#

84 152.4 66.2 99.2#



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

6000

5000

4000

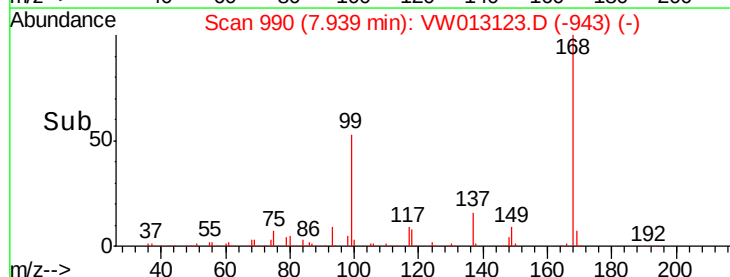
3000

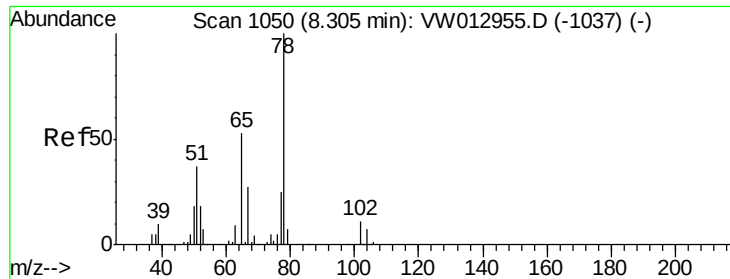
2000

1000

0

Time-->

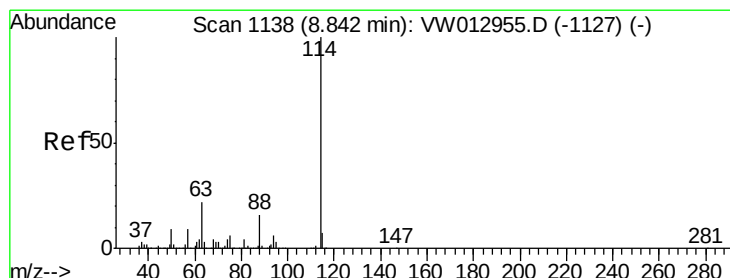
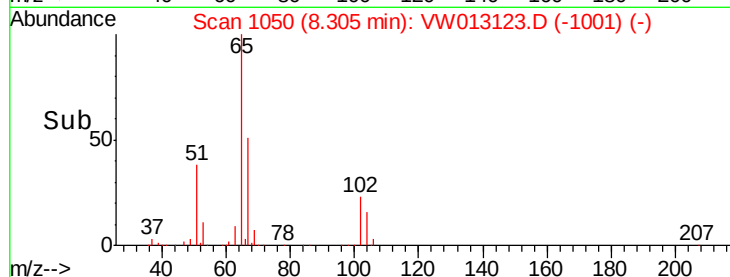
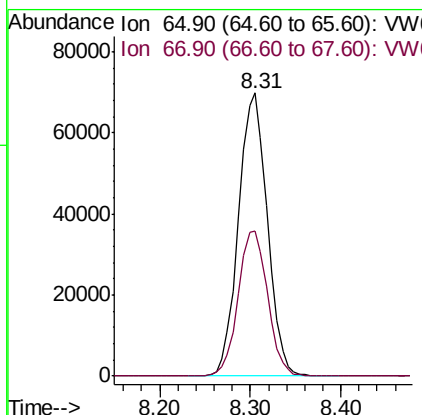
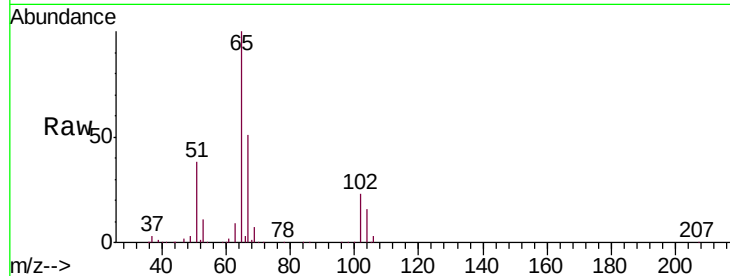




#33
 1,2-Dichloroethane-d4
 Concen: 50.806 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013123.D
 Acq: 18 Sep 2019 19:28

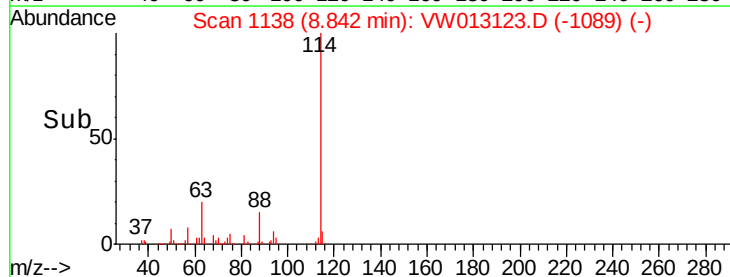
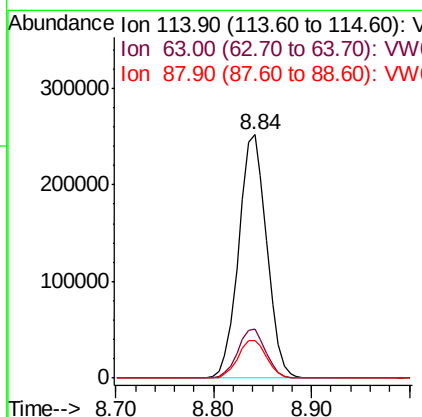
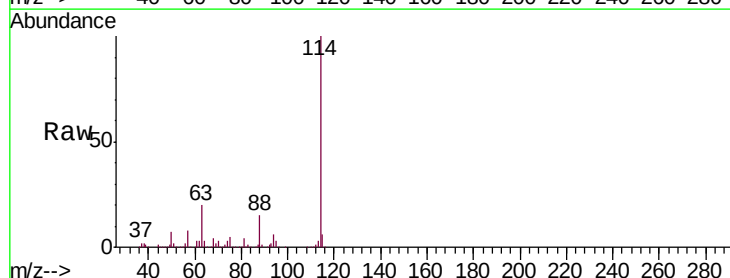
Instrument :
 MSVOA_W
 ClientSampled :
 TP-2

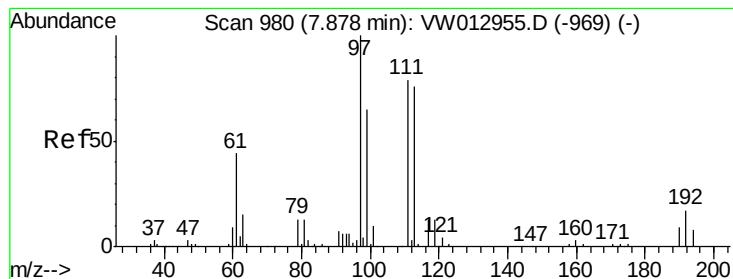
Tgt Ion: 65 Resp: 154061
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013123.D
 Acq: 18 Sep 2019 19:28

Tgt Ion: 114 Resp: 498535
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 43.4
 88 15.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 52.447 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013123.D

Acq: 18 Sep 2019 19:28

Instrument :

MSVOA_W

ClientSampleId :

TP-2

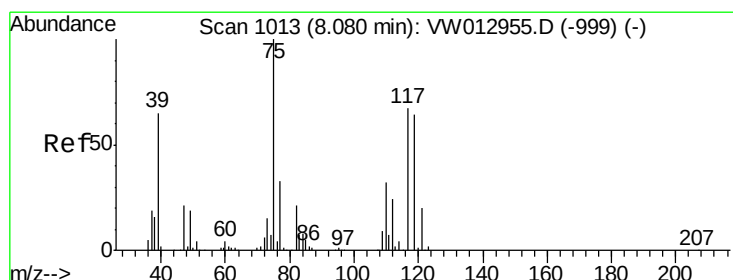
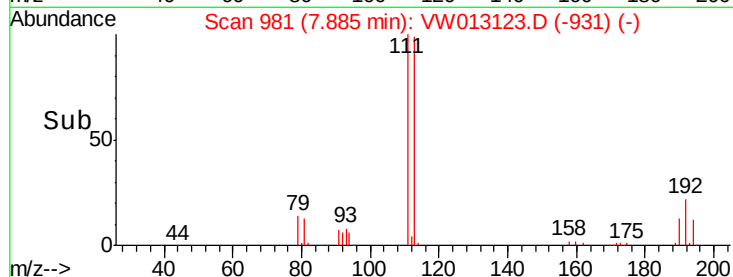
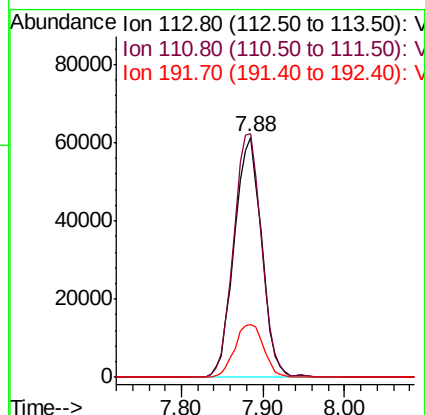
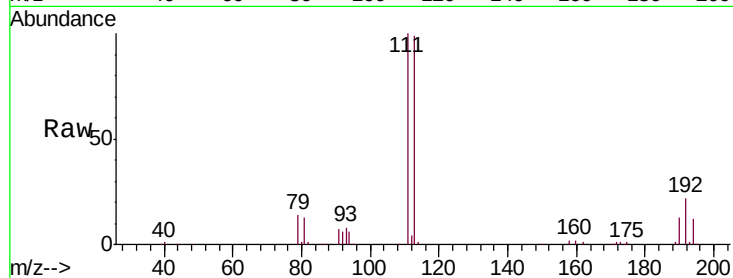
Tgt Ion:113 Resp: 141874

Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

192 23.4 17.8 26.8



#36

1,1-Dichloropropene

Concen: 5.713 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013123.D

Acq: 18 Sep 2019 19:28

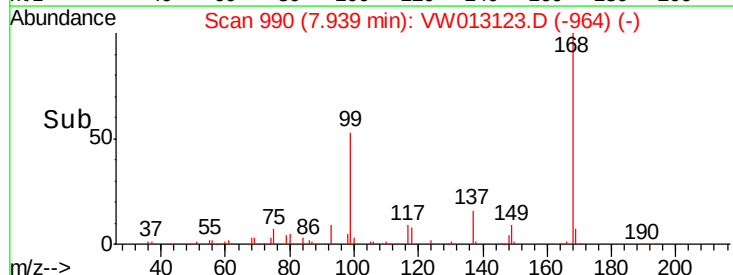
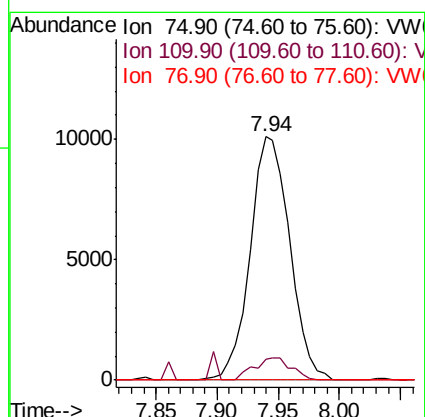
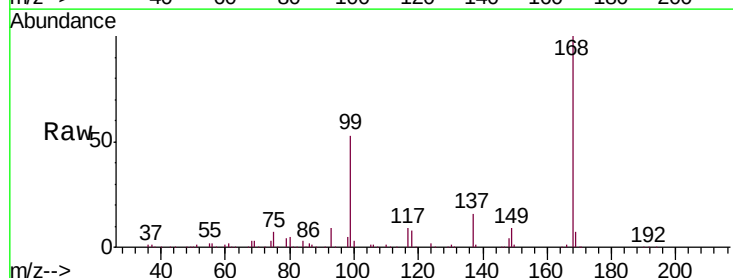
Tgt Ion: 75 Resp: 22759

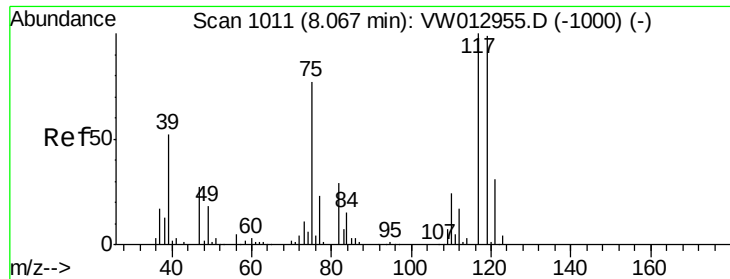
Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.1#

77 0.0 25.1 37.7#

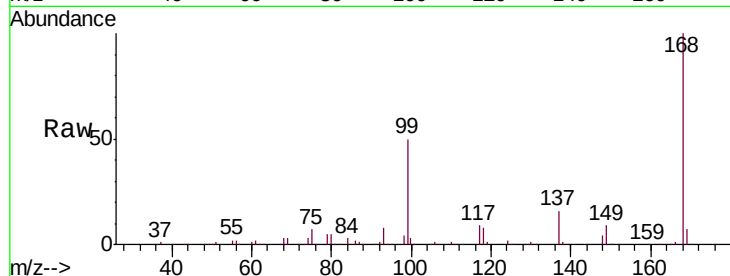




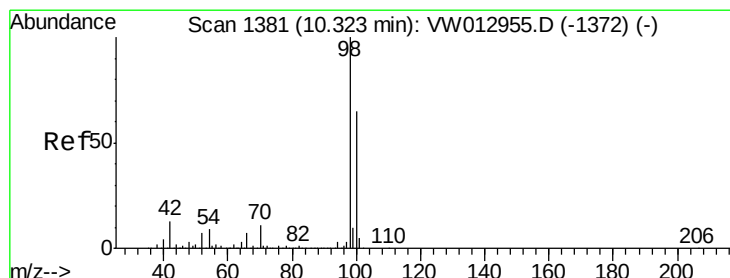
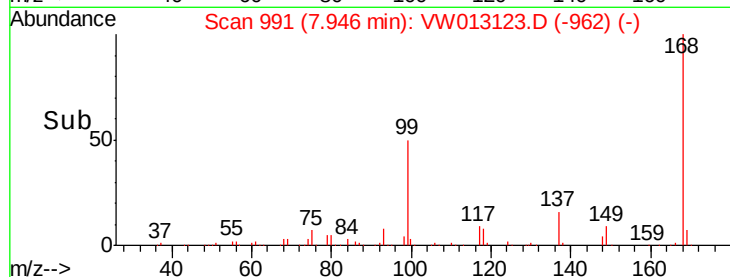
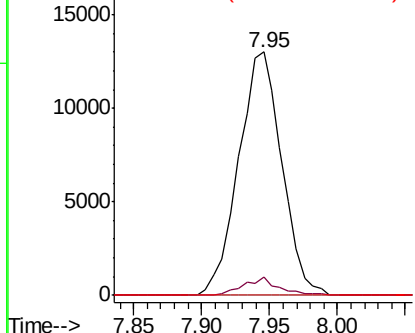
#38
Carbon Tetrachloride
Concen: 7.055 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013123.D
Acq: 18 Sep 2019 19:28

Instrument :
MSVOA_W
ClientSampleId :
TP-2

Tgt Ion:117 Resp: 28803
Ion Ratio Lower Upper
117 100
119 7.6 79.4 119.0#
121 0.0 24.6 36.8#

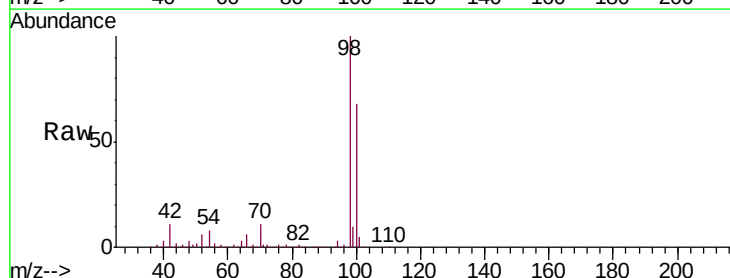


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

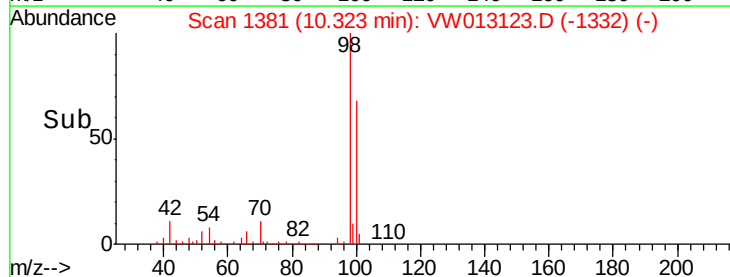
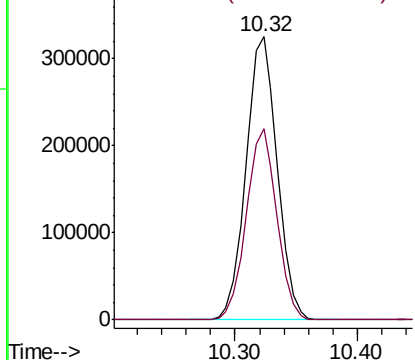


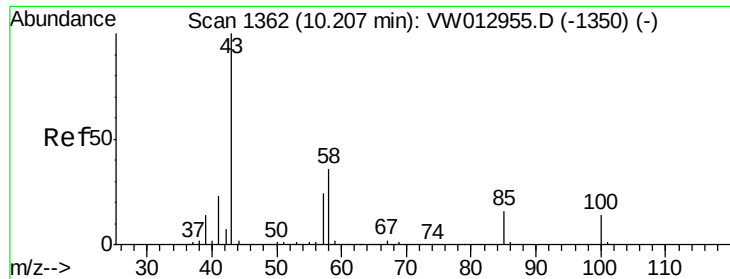
#50
Toluene-d8
Concen: 54.349 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013123.D
Acq: 18 Sep 2019 19:28

Tgt Ion: 98 Resp: 575310
Ion Ratio Lower Upper
98 100
100 66.3 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.236 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013123.D

Acq: 18 Sep 2019 19:28

Instrument :

MSVOA_W

ClientSampled :

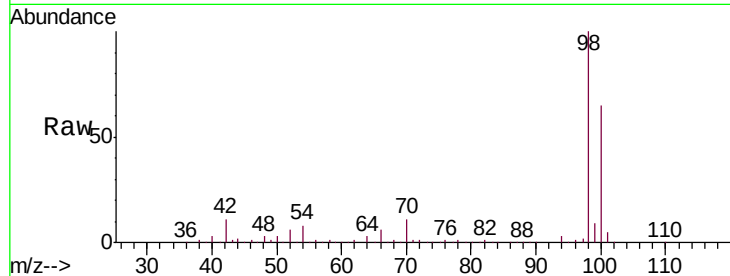
TP-2

Tgt Ion: 43 Resp: 2591

Ion Ratio Lower Upper

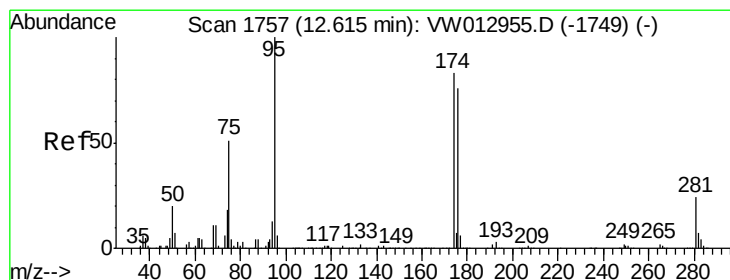
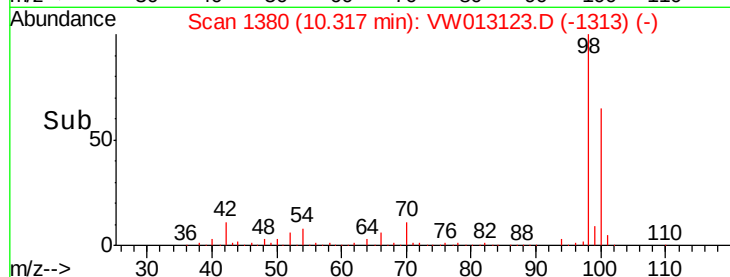
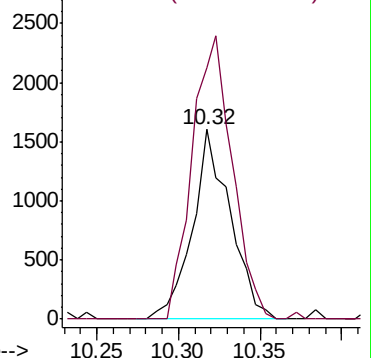
43 100

58 158.7 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 45.759 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013123.D

Acq: 18 Sep 2019 19:28

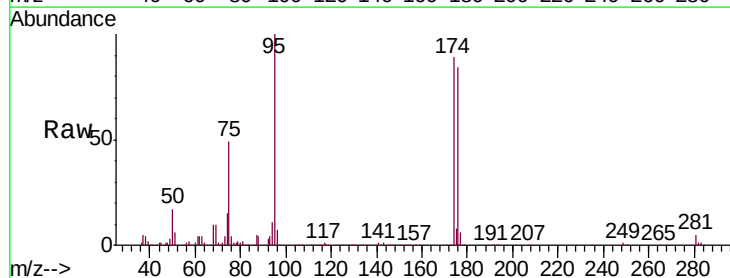
Tgt Ion: 95 Resp: 174173

Ion Ratio Lower Upper

95 100

174 89.8 0.0 170.4

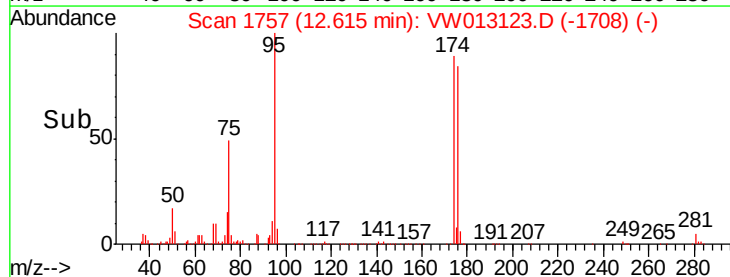
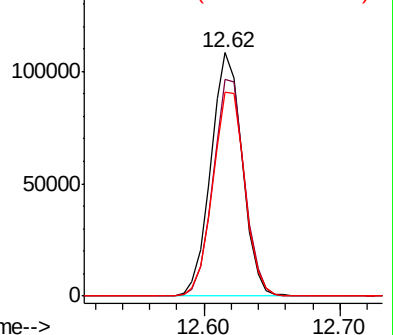
176 86.3 0.0 164.6

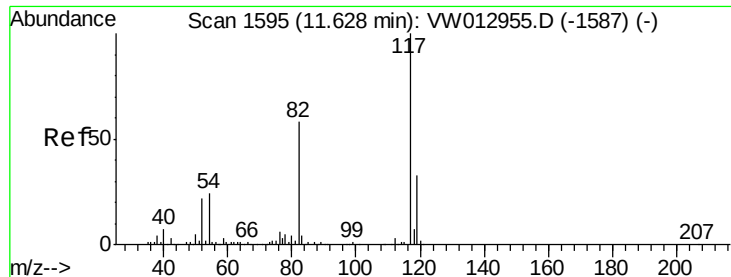


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

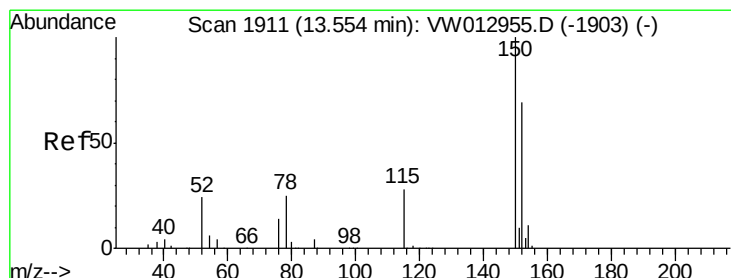
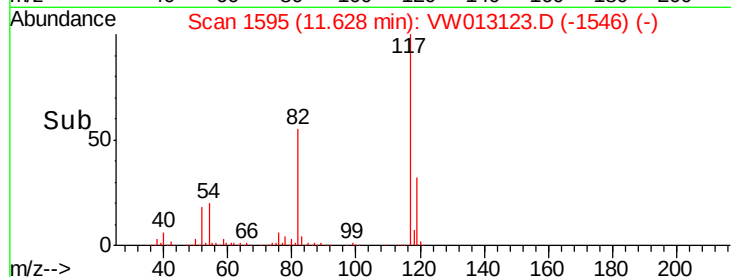
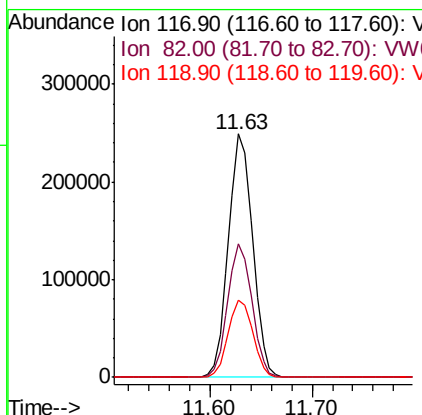
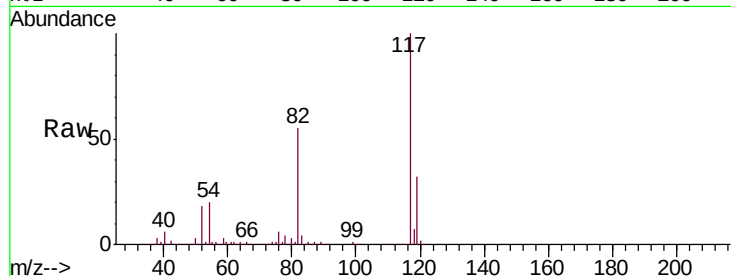




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013123.D
Acq: 18 Sep 2019 19:28

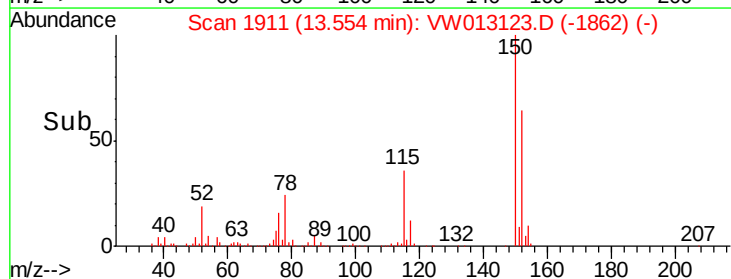
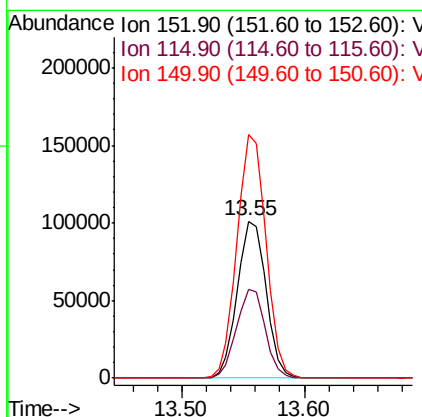
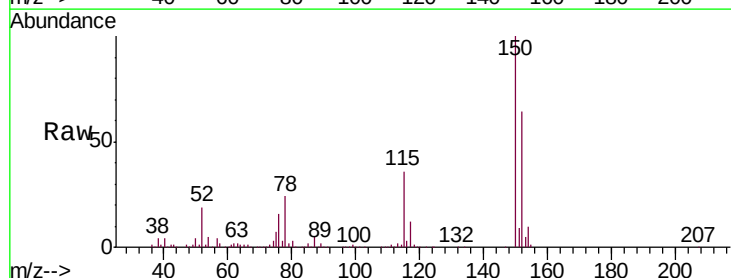
Instrument :
MSVOA_W
ClientSampleId :
TP-2

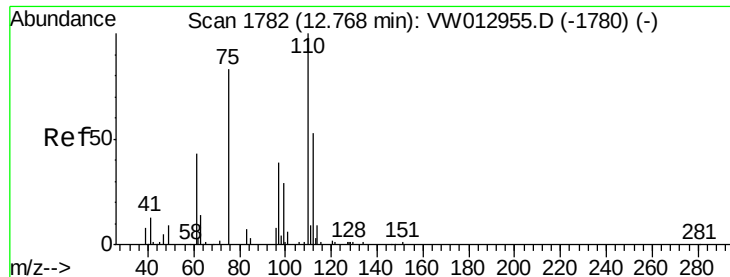
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.3	69.5
119	31.6	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW013123.D
Acq: 18 Sep 2019 19:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.8	86.4
150	156.5	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 58.387 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013123.D

Acq: 18 Sep 2019 19:28

Instrument :

MSVOA_W

ClientSampled :

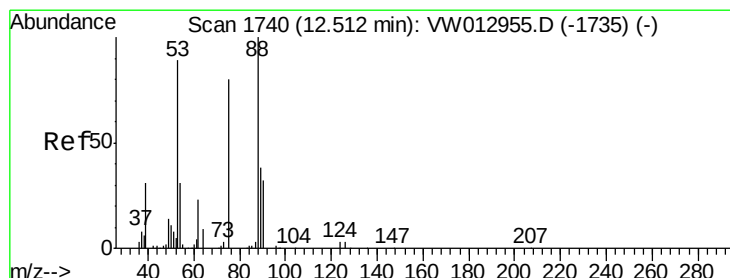
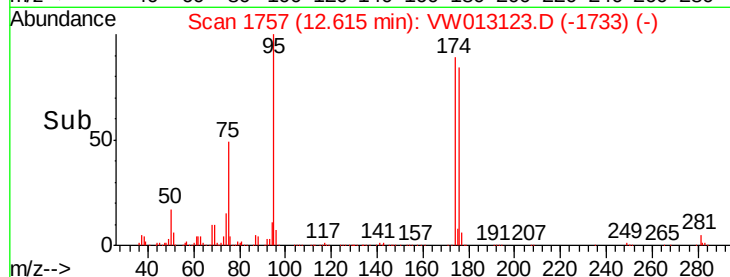
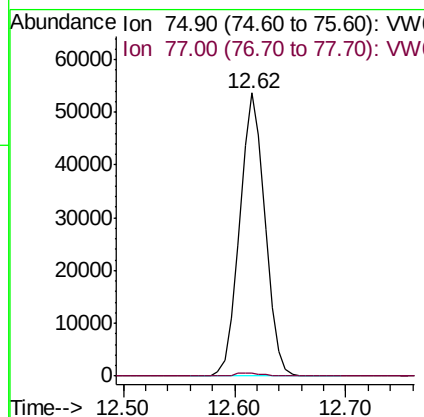
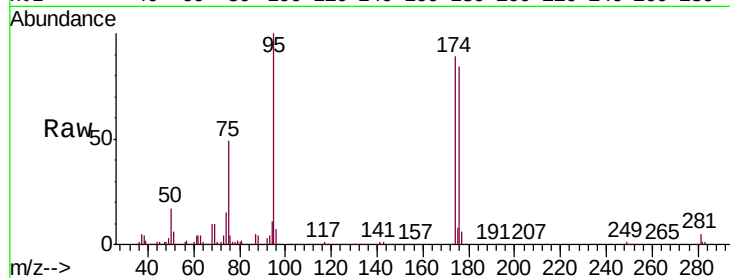
TP-2

Tgt Ion: 75 Resp: 84330

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.450 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013123.D

Acq: 18 Sep 2019 19:28

Tgt Ion: 75 Resp: 84330

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#

