

Data File : VW013124.D
Acq On : 18 Sep 2019 19:54
Operator : SY/VA
Sample : K4942-05
Misc : 4.27G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-3

Quant Time: Sep 19 07:58:01 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	331421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	496752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	185439	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	148894	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
35) Dibromofluoromethane	7.88	113	139314	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
50) Toluene-d8	10.32	98	585010	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
62) 4-Bromofluorobenzene	12.62	95	181122	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	

Target Compounds

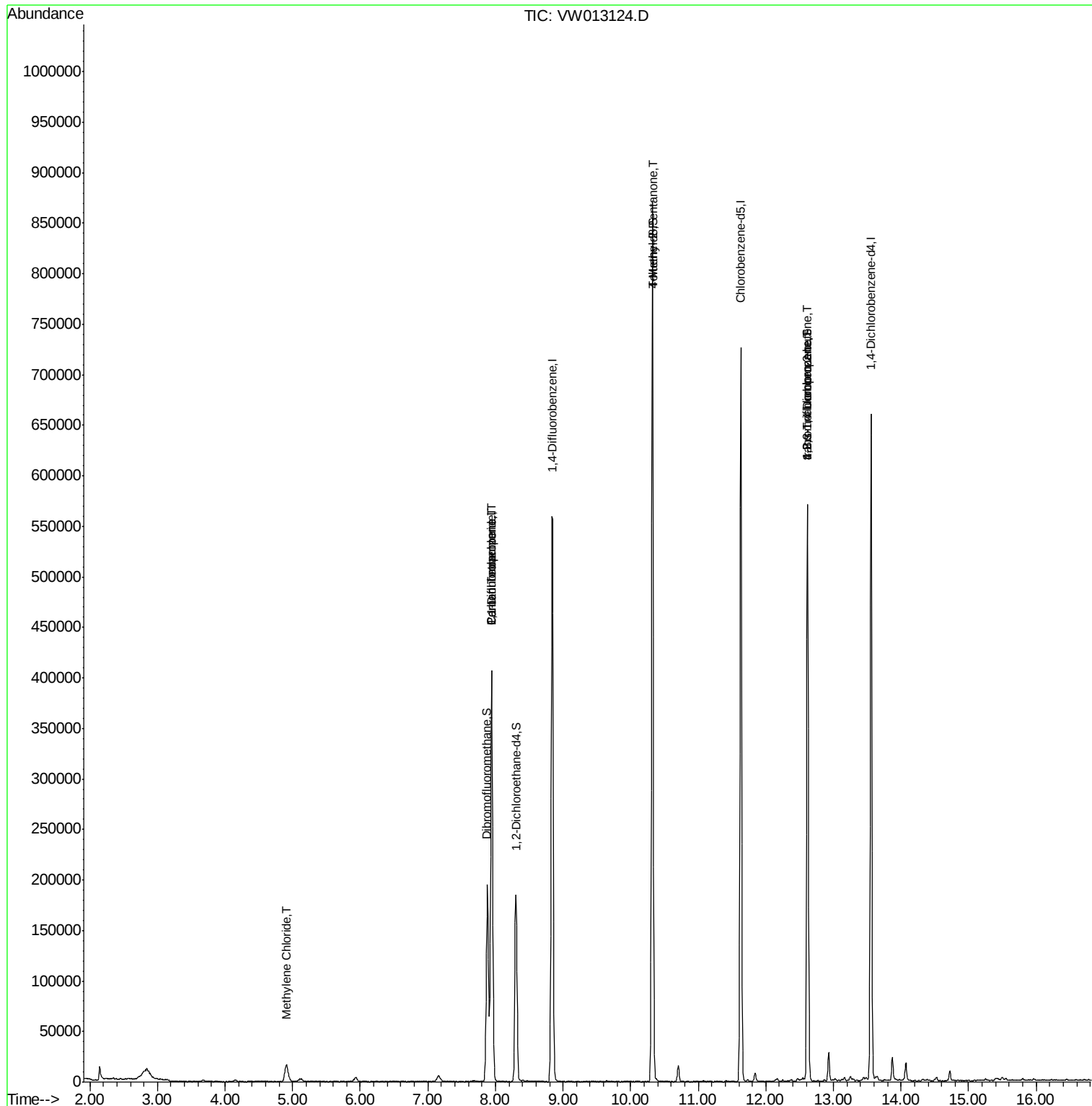
						Qvalue
3) Chloromethane	2.21	50	148	Below Cal		90
11) Tert butyl alcohol	5.10	59	1358	Below Cal	#	72
13) Acrolein	4.04	56	26	Below Cal	#	15
16) Acetone	4.16	43	2590	Below Cal		92
20) Methylene Chloride	4.92	84	15242	1.090	ug/l #	85
26) 2,2-Dichloropropane	7.15	77	529	Below Cal	#	55
31) Cyclohexane	7.94	56	5719	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	22369	5.635	ug/l #	51
38) Carbon Tetrachloride	7.94	117	28545	7.017	ug/l #	14
51) 4-Methyl-2-Pentanone	10.32	43	2427	1.162	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	87231	53.704	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87231	121.826	ug/l #	7

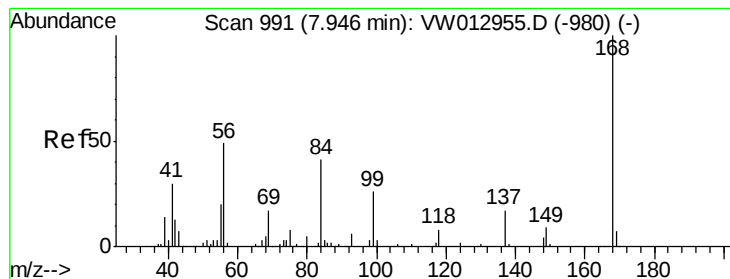
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 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: VW013124.D

Acq: 18 Sep 2019 19:54

Instrument :

MSVOA_W

ClientSampled :

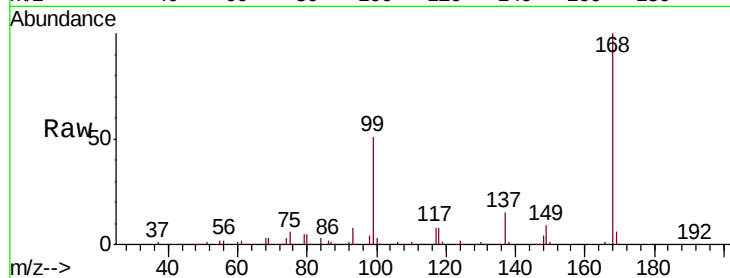
TP-3

Tgt Ion: 168 Resp: 331421

Ion Ratio Lower Upper

168 100

99 50.8 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

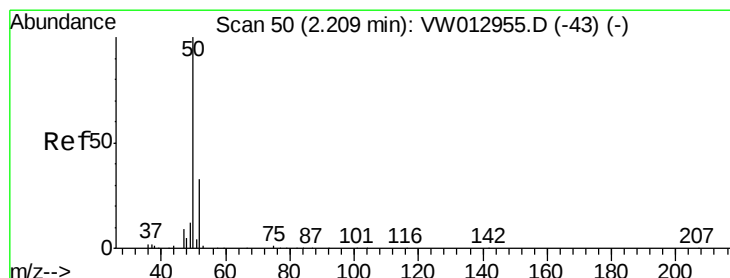
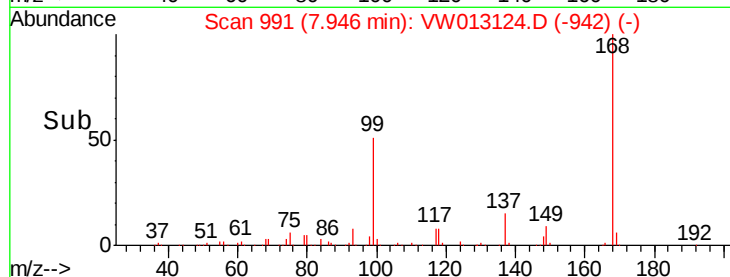
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013124.D

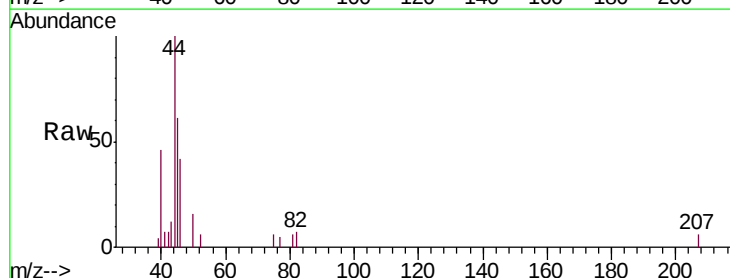
Acq: 18 Sep 2019 19:54

Tgt Ion: 50 Resp: 148

Ion Ratio Lower Upper

50 100

52 39.0 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

200

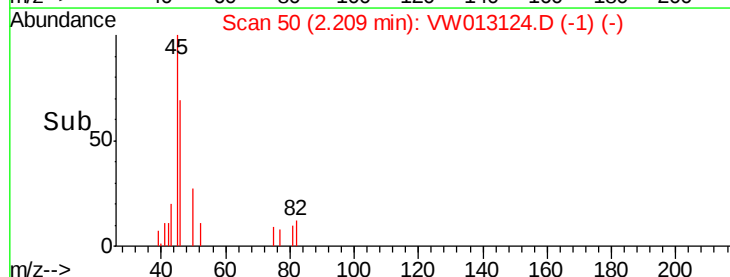
150

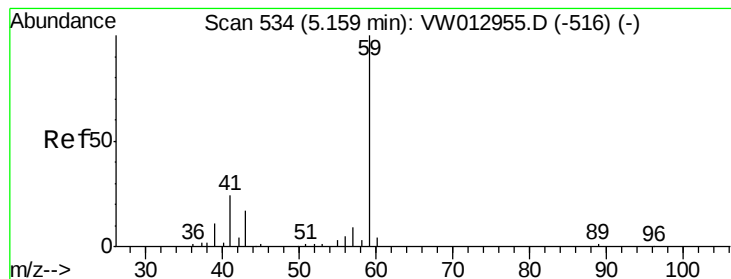
100

50

0

Time--> 2.18 2.20 2.22 2.24



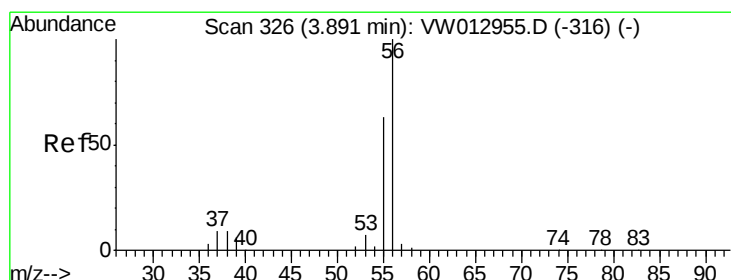
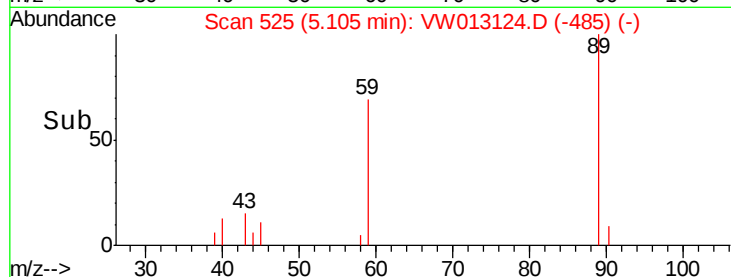
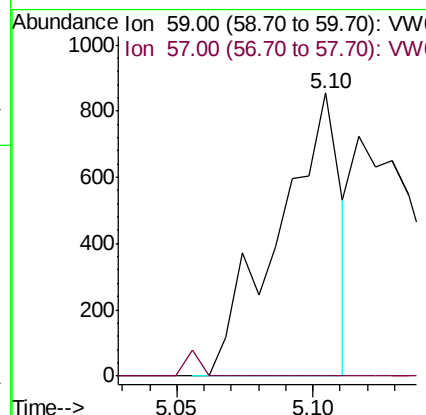
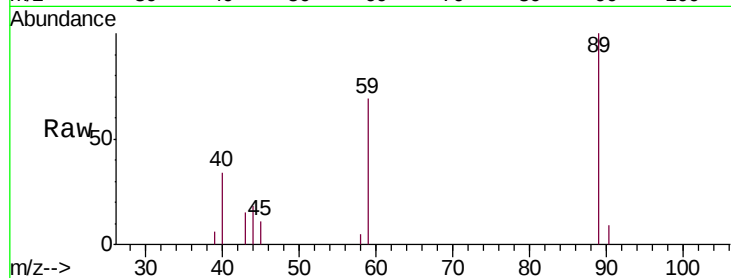


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.10 min Scan# 525
 Delta R.T. -0.05 min
 Lab File: VW013124.D
 Acq: 18 Sep 2019 19:54

Instrument :
 MSVOA_W
 ClientSampleID :
 TP-3

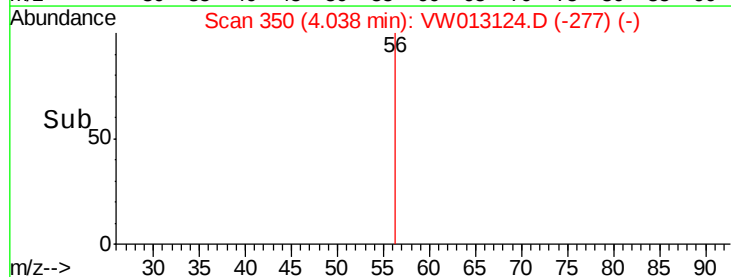
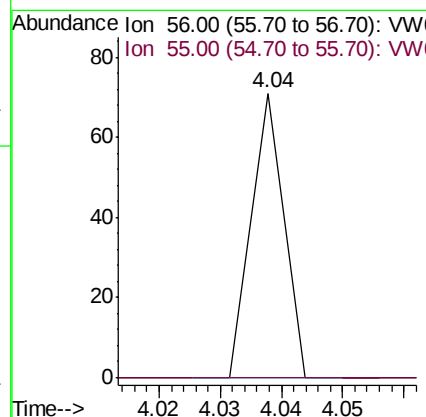
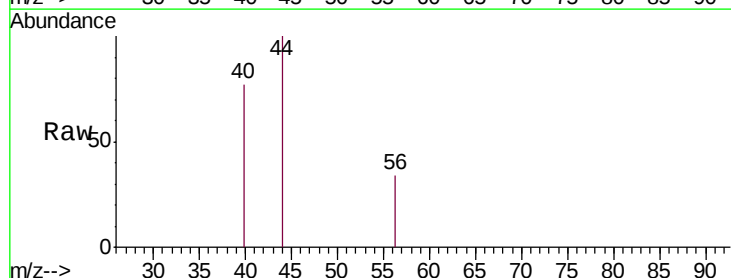
Tgt Ion: 59 Resp: 1358
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

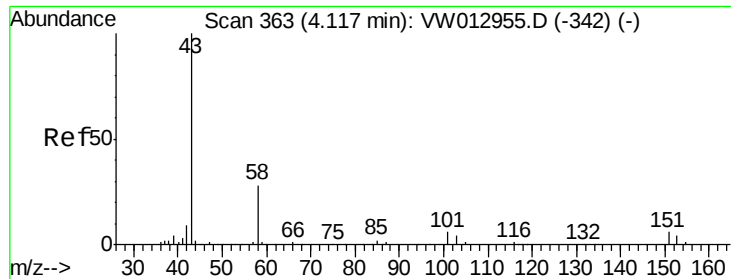


#13

Acrolein
 Concen: Below Cal
 RT: 4.04 min Scan# 350
 Delta R.T. 0.15 min
 Lab File: VW013124.D
 Acq: 18 Sep 2019 19:54

Tgt Ion: 56 Resp: 26
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 4.16 min Scan# 370

Delta R.T. 0.04 min

Lab File: VW013124.D

Acq: 18 Sep 2019 19:54

Instrument :

MSVOA_W

ClientSampled :

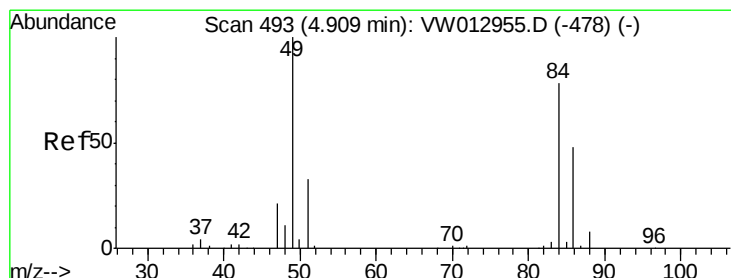
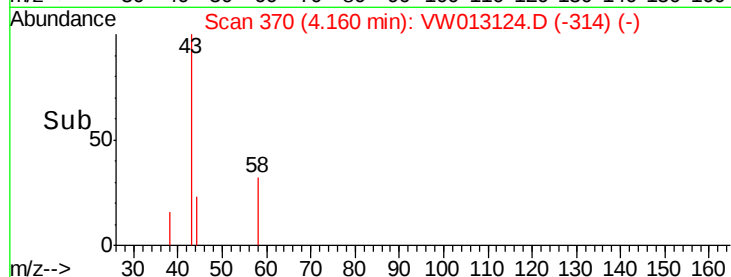
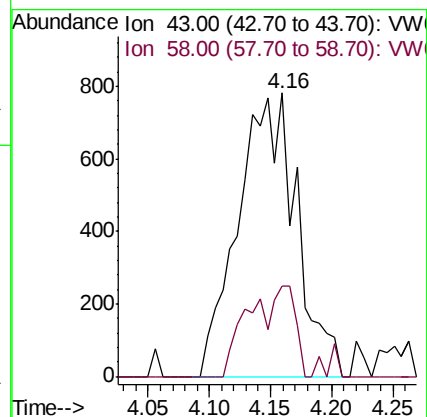
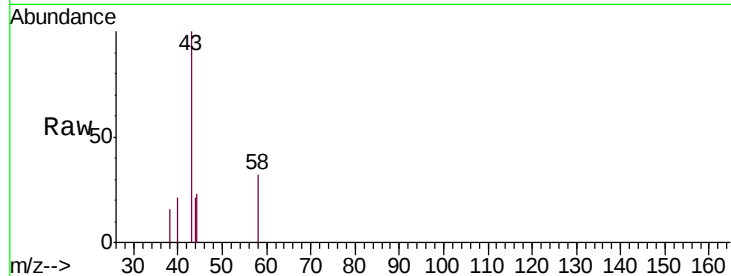
TP-3

Tgt Ion: 43 Resp: 2590

Ion Ratio Lower Upper

43 100

58 32.0 22.3 33.5



#20

Methylene Chloride

Concen: 1.090 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW013124.D

Acq: 18 Sep 2019 19:54

Tgt Ion: 84 Resp: 15242

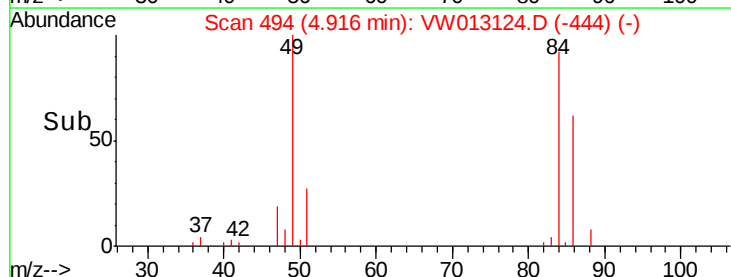
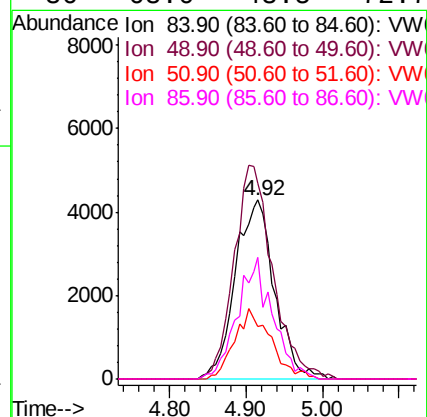
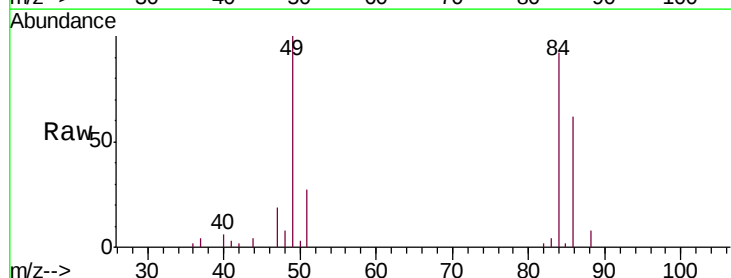
Ion Ratio Lower Upper

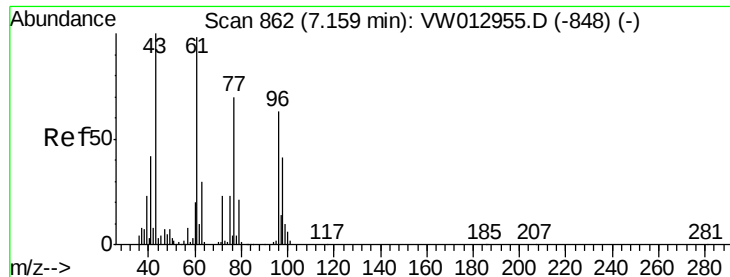
84 100

49 109.1 102.0 153.0

51 29.1 34.0 51.0#

86 68.0 48.5 72.7

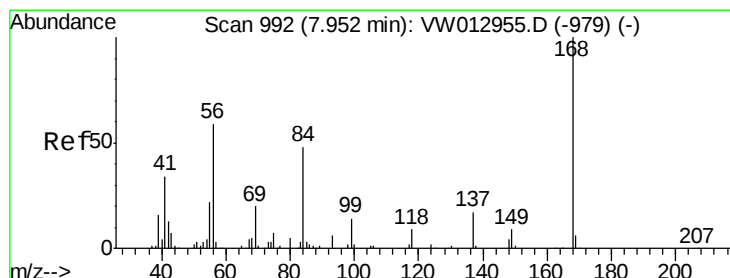
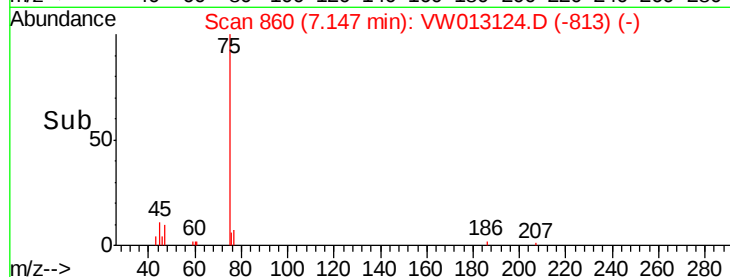
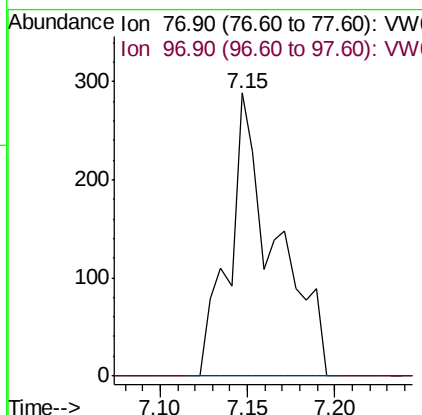
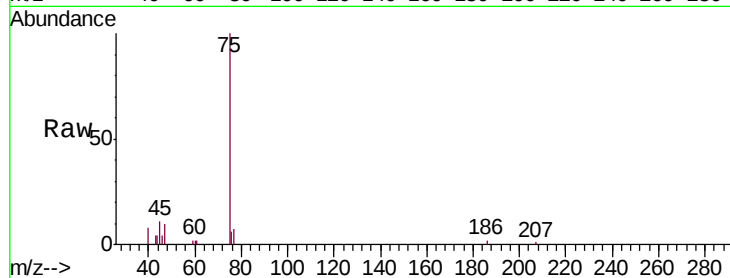




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VW013124.D
 Acq: 18 Sep 2019 19:54

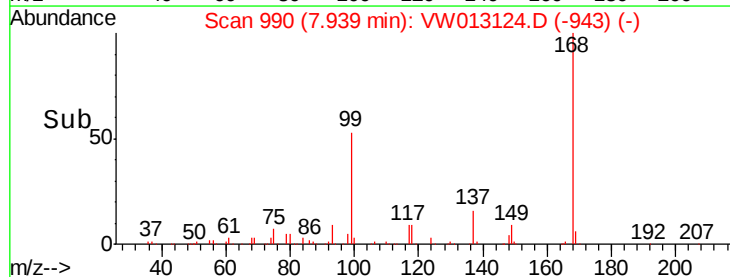
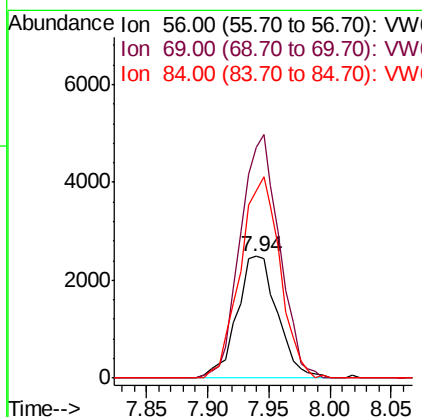
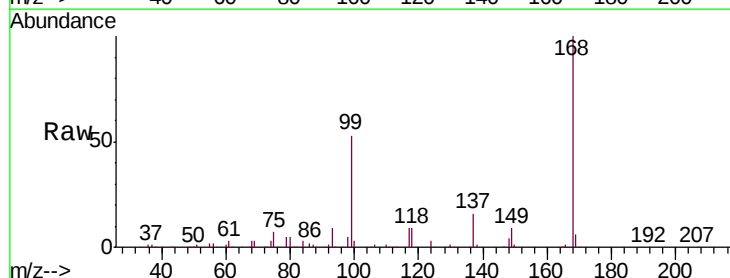
Instrument :
 MSVOA_W
 ClientSampled :
 TP-3

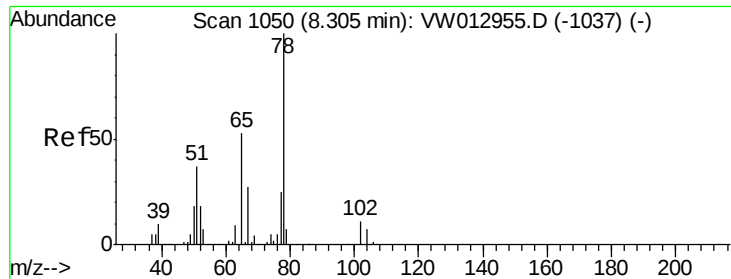
Tgt Ion: 77 Resp: 529
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#31
 Cyclohexane
 Concen: Below Cal
 RT: 7.94 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VW013124.D
 Acq: 18 Sep 2019 19:54

Tgt Ion: 56 Resp: 5719
 Ion Ratio Lower Upper
 56 100
 69 189.3 27.0 40.6#
 84 153.5 66.2 99.2#

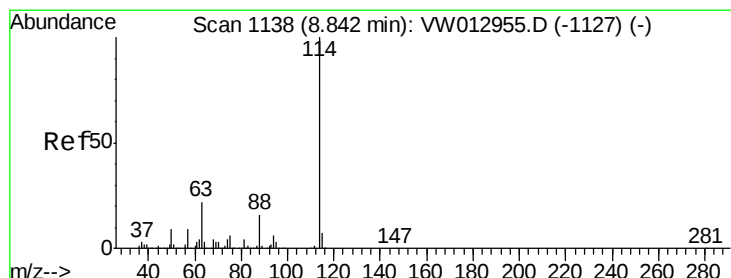
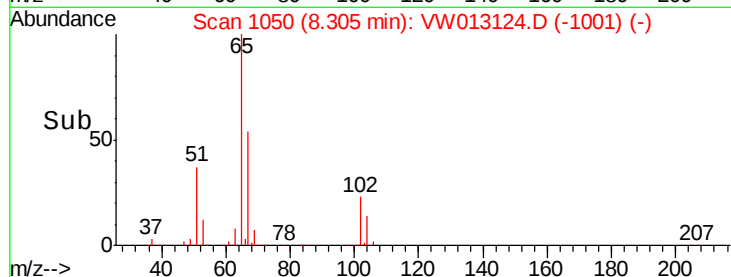
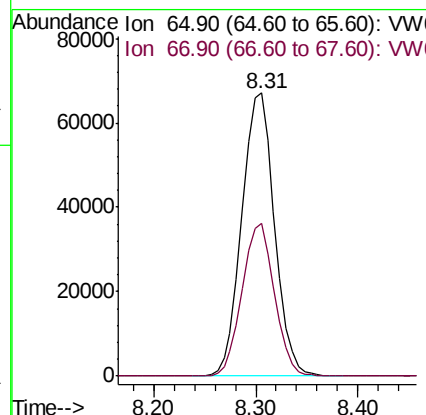
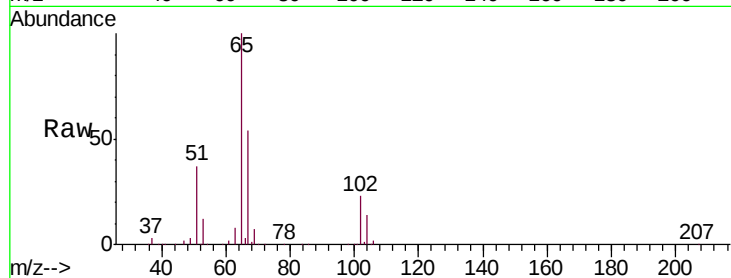




#33
 1,2-Dichloroethane-d4
 Concen: 48.644 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013124.D
 Acq: 18 Sep 2019 19:54

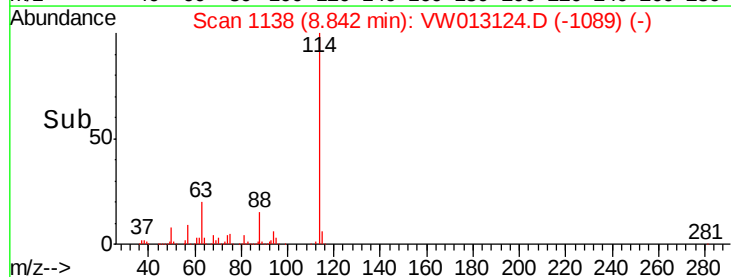
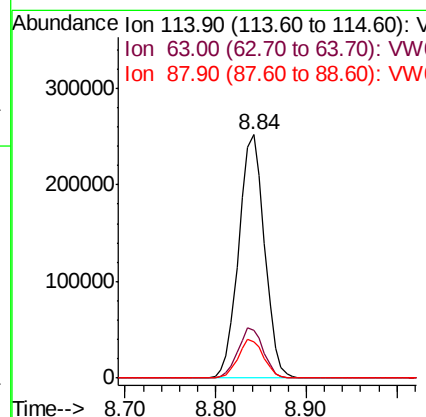
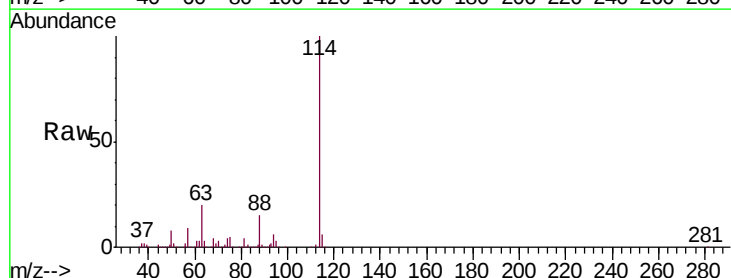
Instrument :
 MSVOA_W
 ClientSampled :
 TP-3

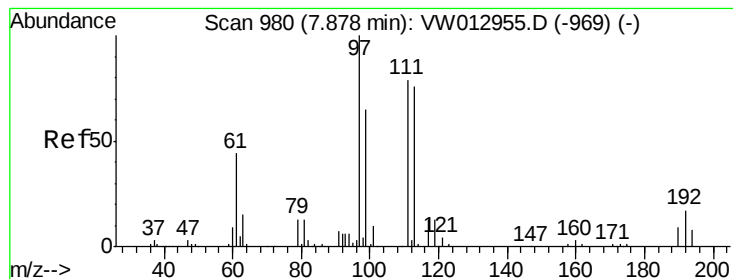
Tgt Ion: 65 Resp: 148894
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013124.D
 Acq: 18 Sep 2019 19:54

Tgt Ion: 114 Resp: 496752
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 43.4
 88 14.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.685 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW013124.D

Acq: 18 Sep 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

TP-3

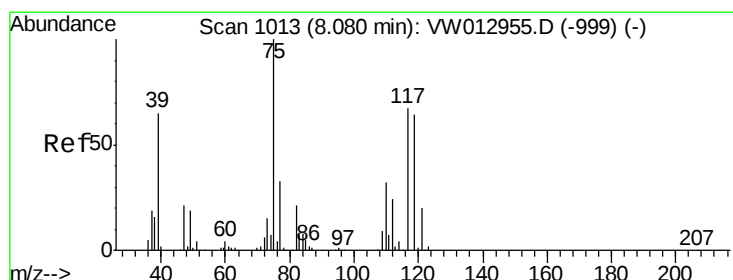
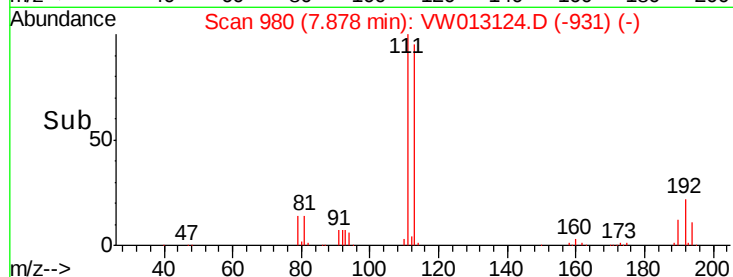
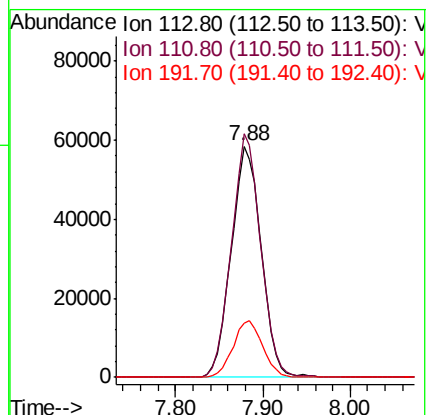
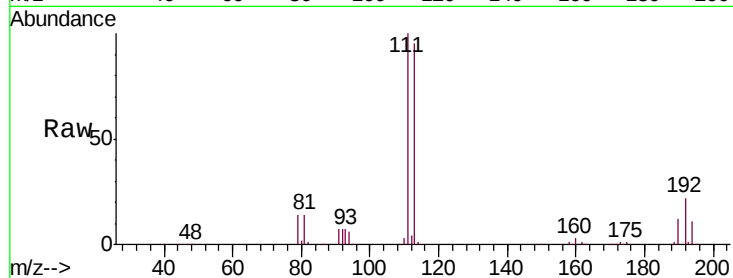
Tgt Ion:113 Resp: 139314

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 24.2 17.8 26.8



#36

1,1-Dichloropropene

Concen: 5.635 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013124.D

Acq: 18 Sep 2019 19:54

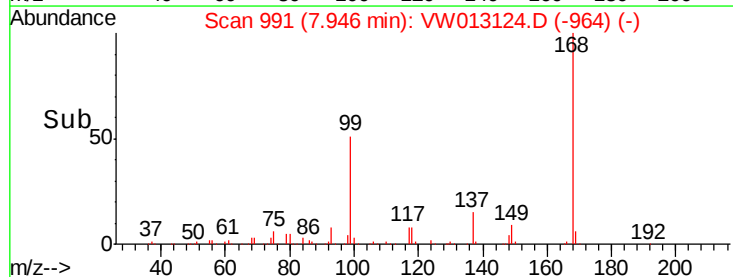
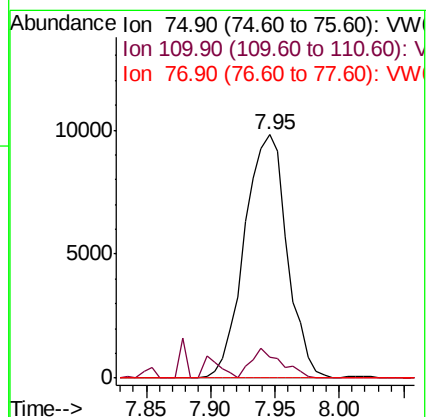
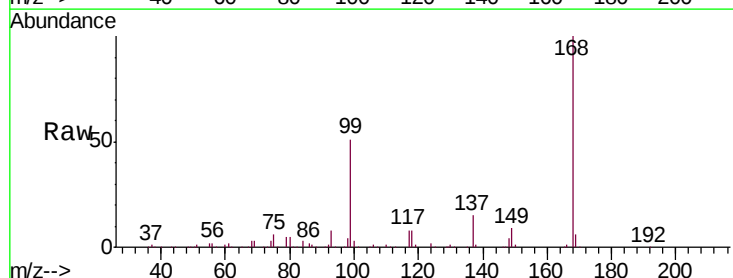
Tgt Ion: 75 Resp: 22369

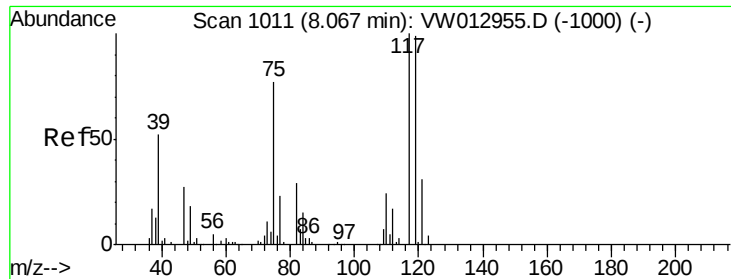
Ion Ratio Lower Upper

75 100

110 8.8 16.4 49.1#

77 0.0 25.1 37.7#

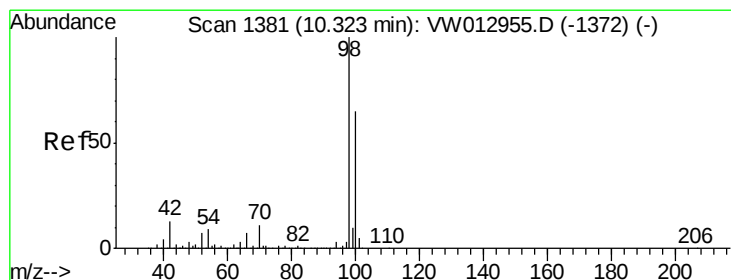
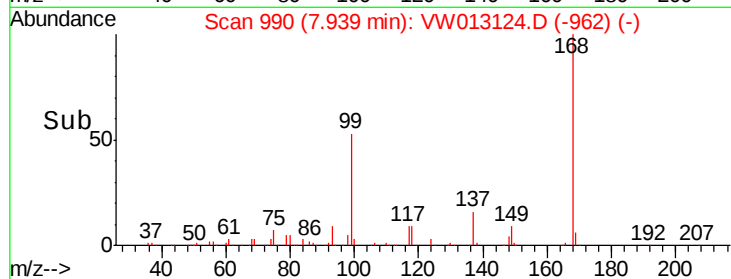
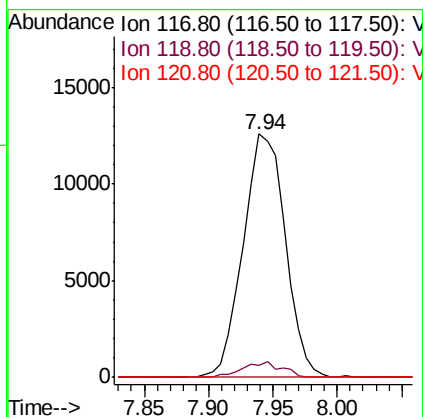
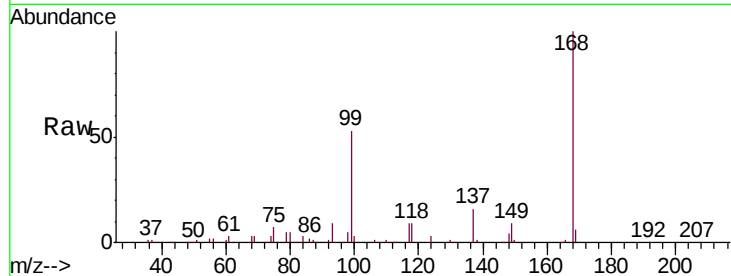




#38
Carbon Tetrachloride
Concen: 7.017 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013124.D
Acq: 18 Sep 2019 19:54

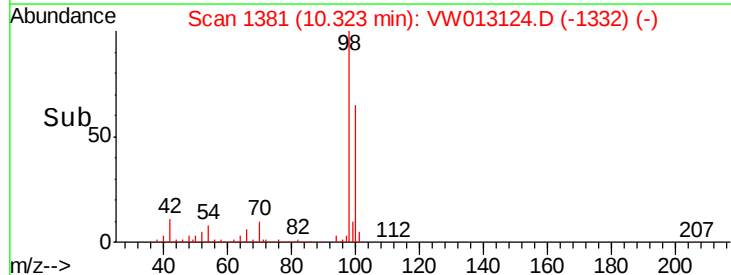
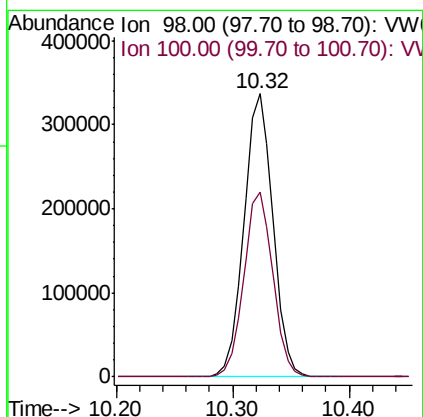
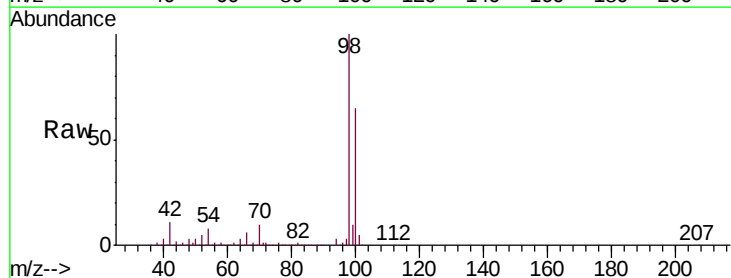
Instrument :
MSVOA_W
ClientSampleId :
TP-3

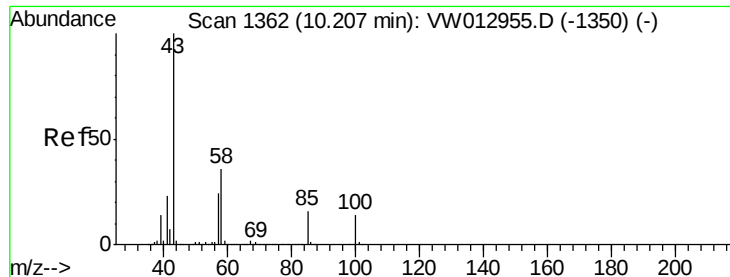
Tgt Ion:117 Resp: 28545
Ion Ratio Lower Upper
117 100
119 4.7 79.4 119.0#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 55.464 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013124.D
Acq: 18 Sep 2019 19:54

Tgt Ion: 98 Resp: 585010
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1

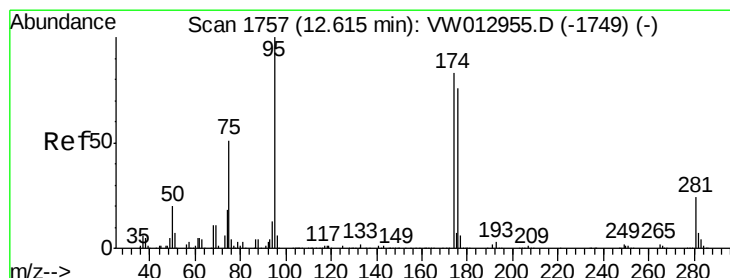
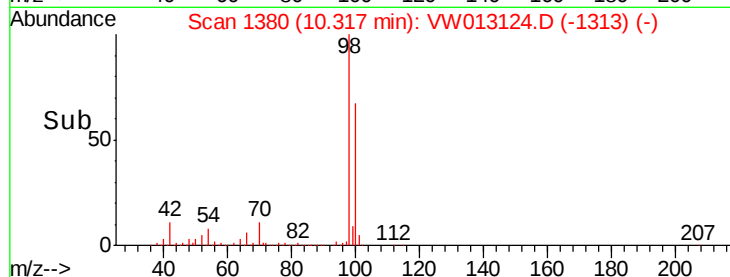
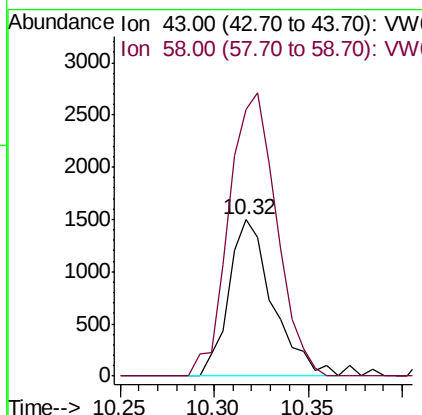
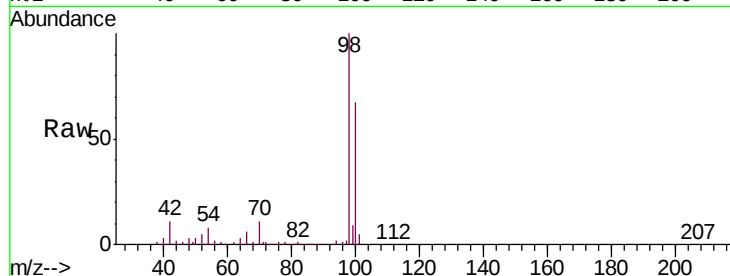




#51
 4-Methyl-2-Pentanone
 Concen: 1.162 ug/l
 RT: 10.32 min Scan# 1380
 Delta R.T. 0.11 min
 Lab File: VW013124.D
 Acq: 18 Sep 2019 19:54

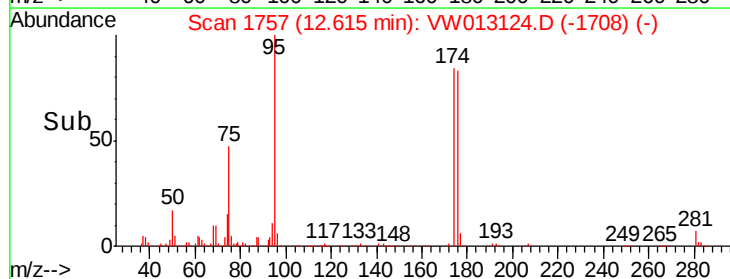
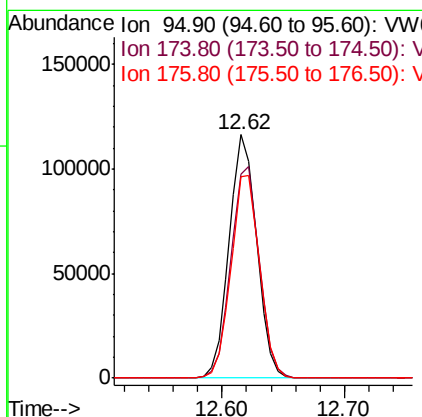
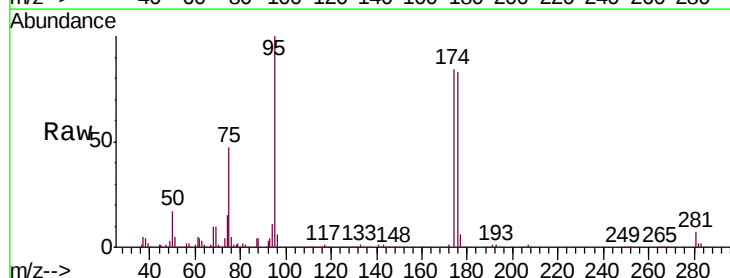
Instrument :
 MSVOA_W
 ClientSampled :
 TP-3

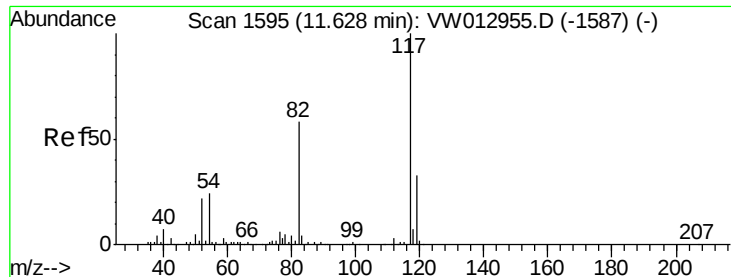
Tgt Ion: 43 Resp: 2427
 Ion Ratio Lower Upper
 43 100
 58 196.7 29.5 44.3#



#62
 4-Bromofluorobenzene
 Concen: 47.756 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013124.D
 Acq: 18 Sep 2019 19:54

Tgt Ion: 95 Resp: 181122
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 170.4
 176 86.4 0.0 164.6

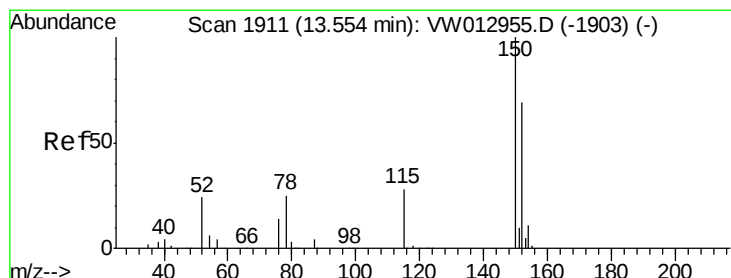
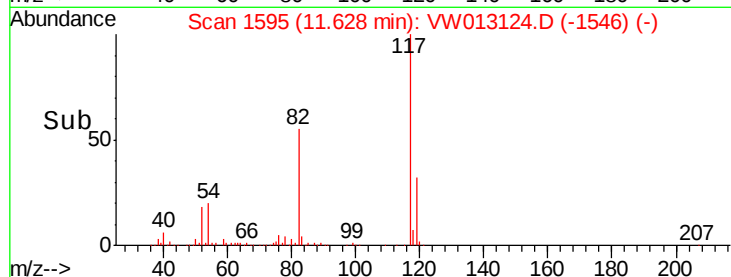
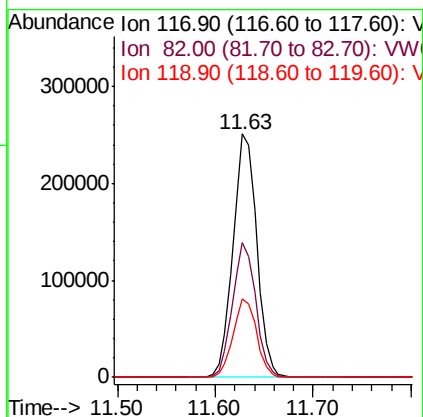
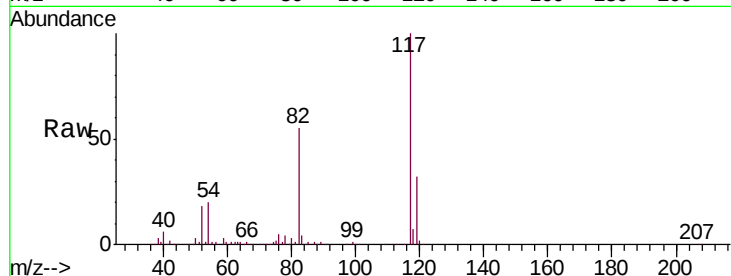




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013124.D
Acq: 18 Sep 2019 19:54

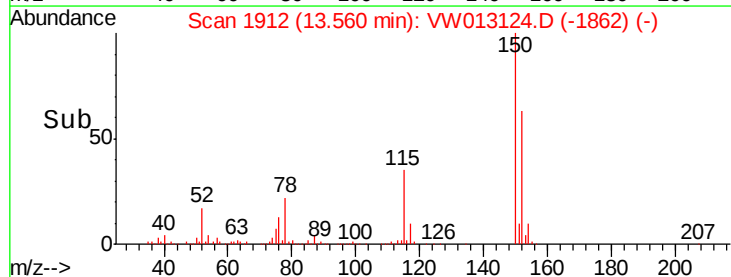
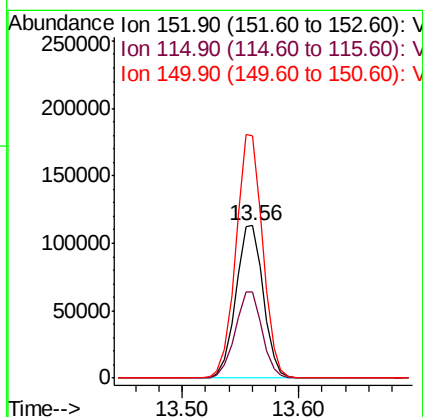
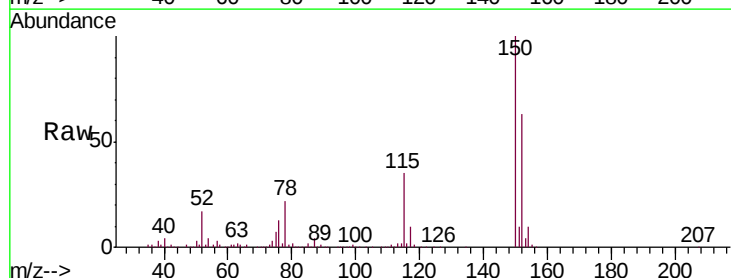
Instrument :
MSVOA_W
ClientSampleId :
TP-3

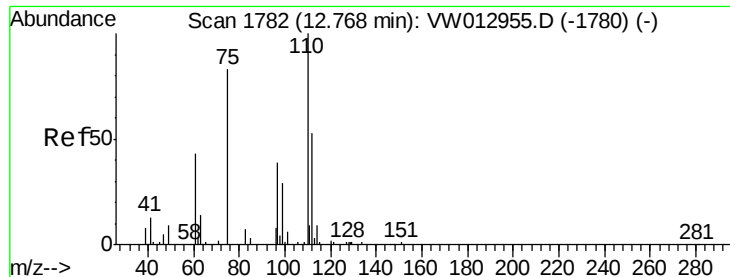
Tgt Ion:117 Resp: 422716
Ion Ratio Lower Upper
117 100
82 55.2 46.3 69.5
119 32.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013124.D
Acq: 18 Sep 2019 19:54

Tgt Ion:152 Resp: 185439
Ion Ratio Lower Upper
152 100
115 55.5 28.8 86.4
150 155.6 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 53.704 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013124.D

Acq: 18 Sep 2019 19:54

Instrument :

MSVOA_W

ClientSampled :

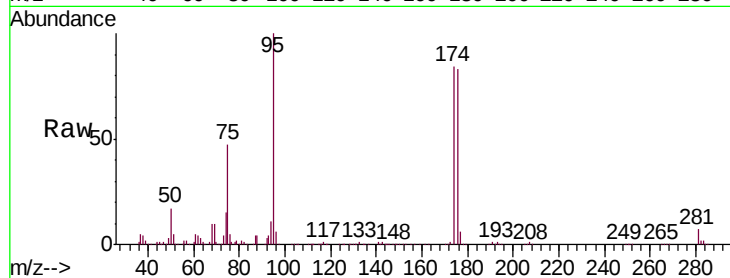
TP-3

Tgt Ion: 75 Resp: 87231

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

60000

50000

40000

30000

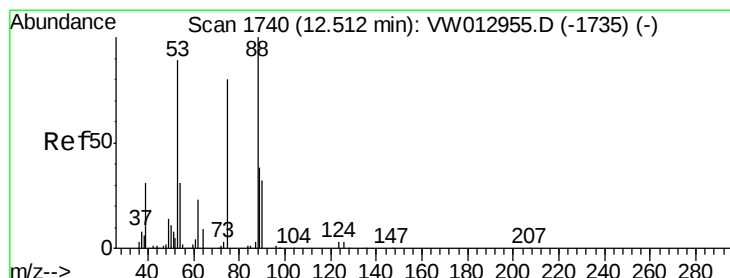
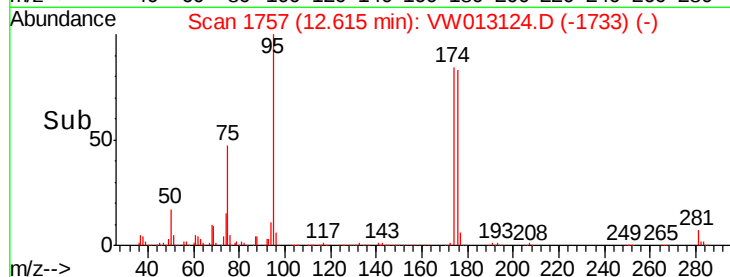
20000

10000

0

12.55 12.60 12.65

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 121.826 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013124.D

Acq: 18 Sep 2019 19:54

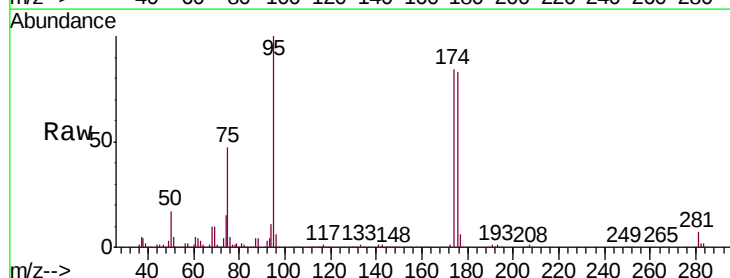
Tgt Ion: 75 Resp: 87231

Ion Ratio Lower Upper

75 100

53 0.1 85.6 128.4#

89 0.0 37.2 55.8#



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

12.62

60000

40000

20000

0

12.55 12.60 12.65

Time-->

