

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013017.D
 Acq On : 15 Sep 2019 03:09
 Operator : SY/VA
 Sample : K4745-02
 Misc : 8.13G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:57:56 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	335871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	506067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	416994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	167762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	203279	65.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.06%	
35) Dibromofluoromethane	7.88	113	153737	55.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.98%	
50) Toluene-d8	10.32	98	593201	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
62) 4-Bromofluorobenzene	12.62	95	174960	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	

Target Compounds

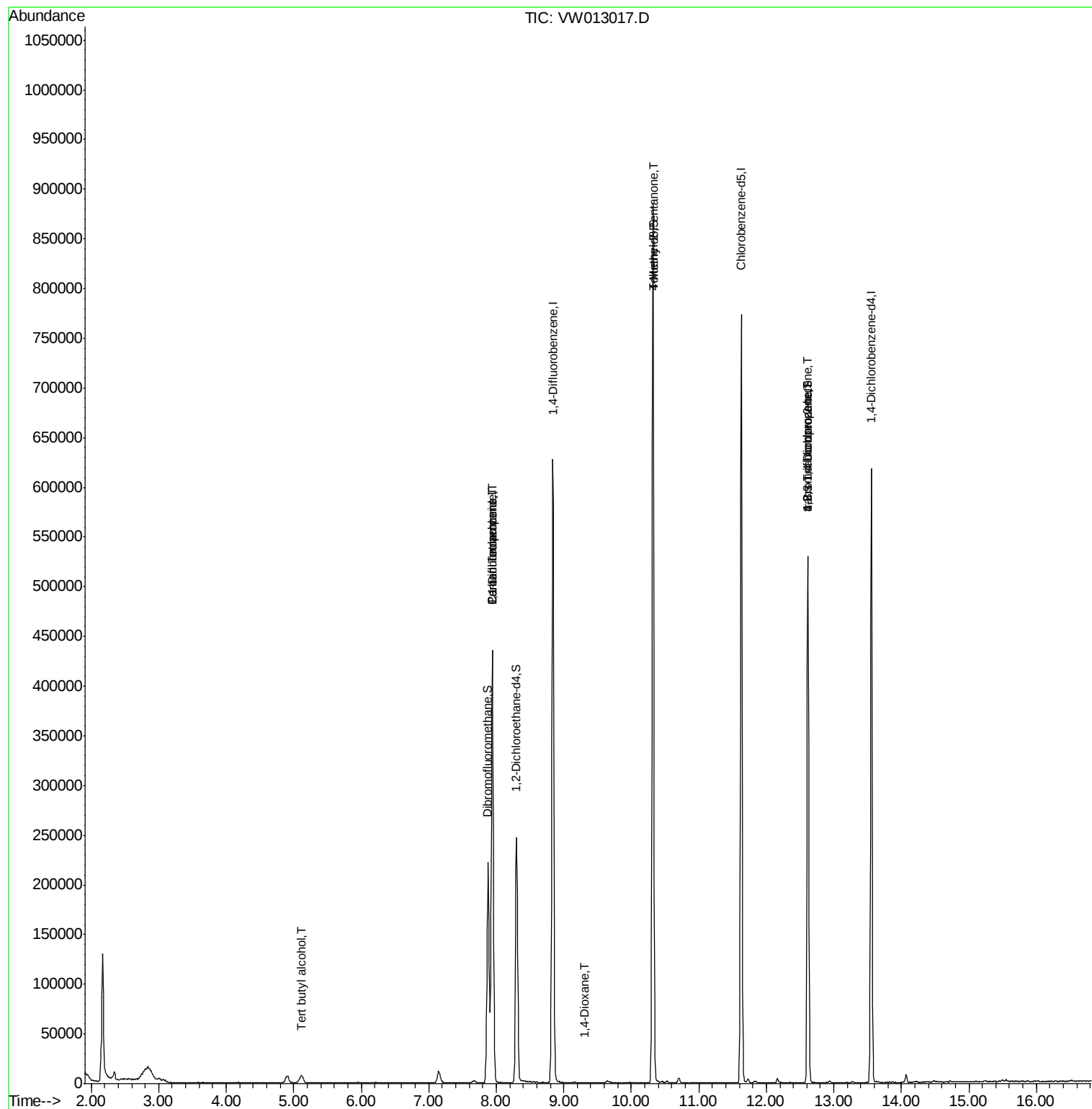
						Qvalue
2) Dichlorodifluoromethane	2.01	85	38	Below Cal	#	44
3) Chloromethane	2.24	50	110	Below Cal		97
11) Tert butyl alcohol	5.11	59	7746	17.031	ug/l #	74
13) Acrolein	3.99	56	27	Below Cal	#	15
16) Acetone	4.14	43	457	Below Cal	#	47
20) Methylene Chloride	4.90	84	5303	Below Cal		95
26) 2,2-Dichloropropane	7.15	77	1132	Below Cal	#	55
31) Cyclohexane	7.94	56	7119	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	25792	6.378	ug/l #	51
38) Carbon Tetrachloride	7.94	117	31759	7.664	ug/l #	16
49) 1,4-Dioxane	9.30	88	29	1.204	ug/l #	1
51) 4-Methyl-2-Pentanone	10.32	43	3230	1.518	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	89555	60.944	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89555	138.250	ug/l #	7

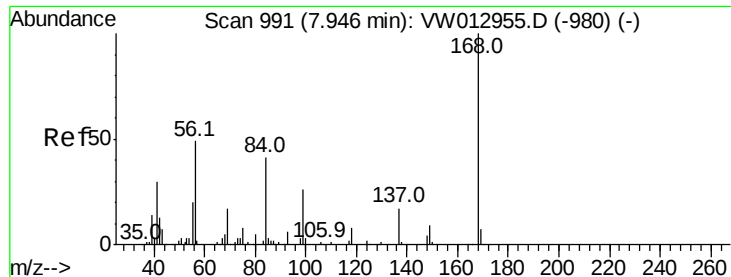
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 13 17:26:01 2019
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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: VW013017.D

Acq: 15 Sep 2019 03:09

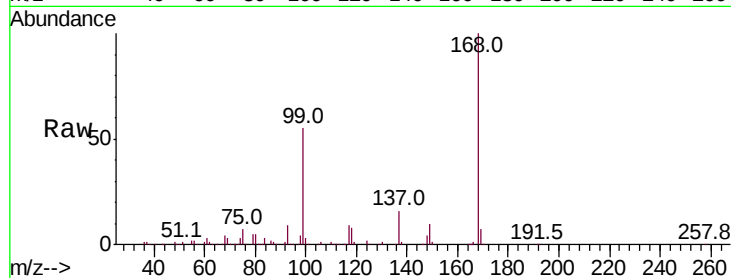
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 335871

Ion Ratio Lower Upper

168 100

99 55.2 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

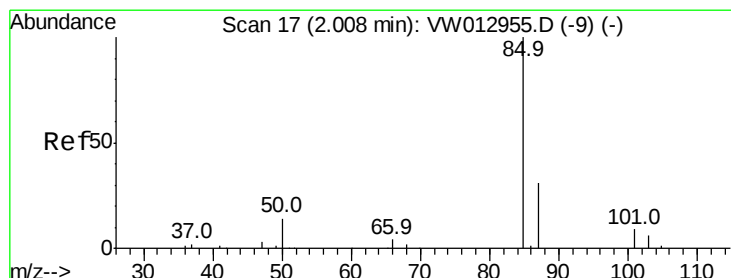
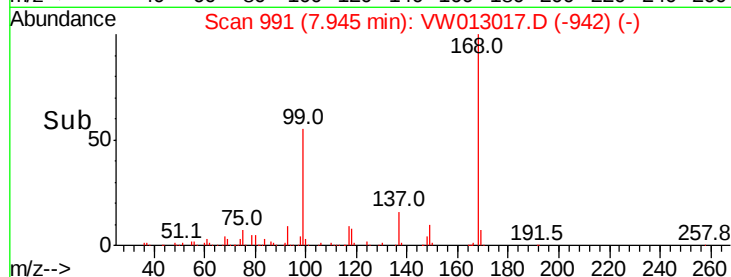
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013017.D

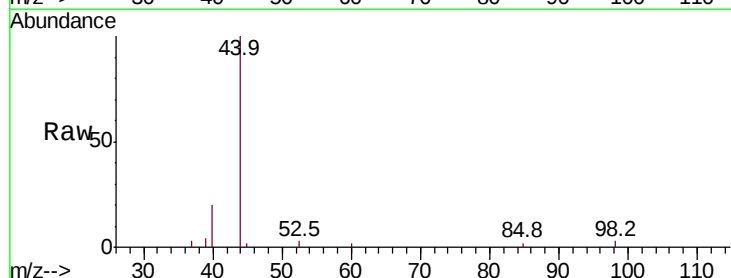
Acq: 15 Sep 2019 03:09

Tgt Ion: 85 Resp: 38

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60

50

40

30

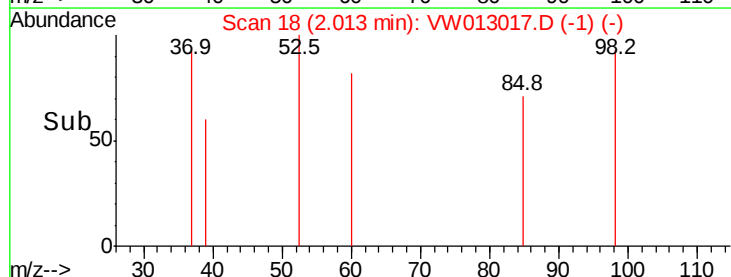
20

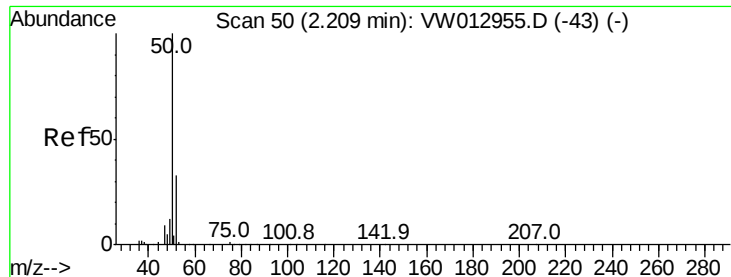
10

0

2.00 2.02 2.04

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.24 min Scan# 55

Delta R.T. 0.03 min

Lab File: VW013017.D

Acq: 15 Sep 2019 03:09

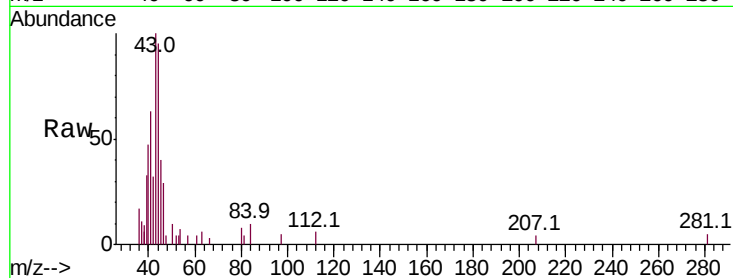
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 110

Ion Ratio Lower Upper

50 100

52 34.9 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.24

150

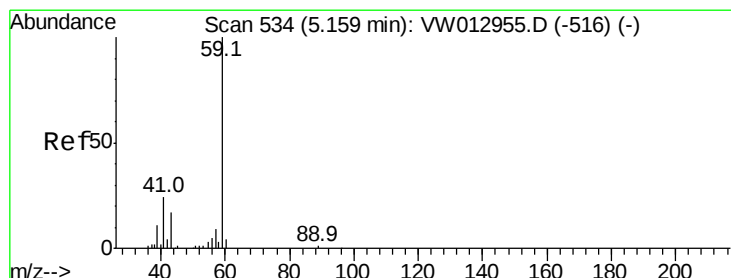
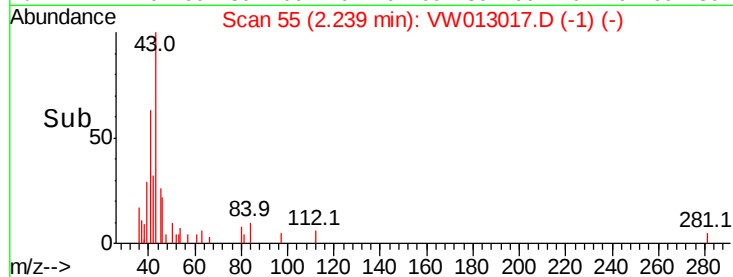
100

50

0

2.23 2.24 2.25 2.26

Time-->



#11

Tert butyl alcohol

Concen: 17.031 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW013017.D

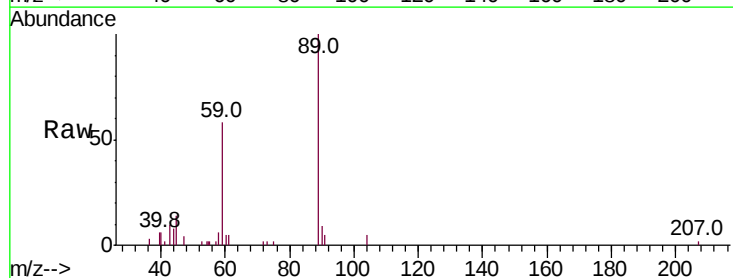
Acq: 15 Sep 2019 03:09

Tgt Ion: 59 Resp: 7746

Ion Ratio Lower Upper

59 100

57 0.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

2000

1500

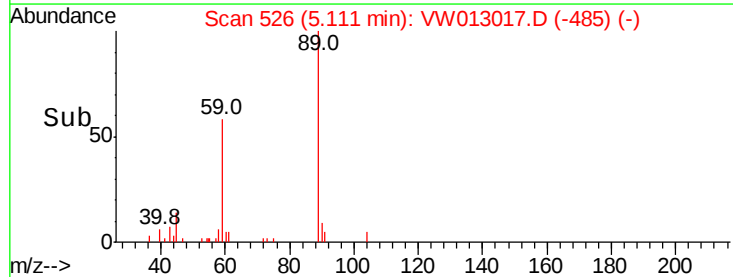
1000

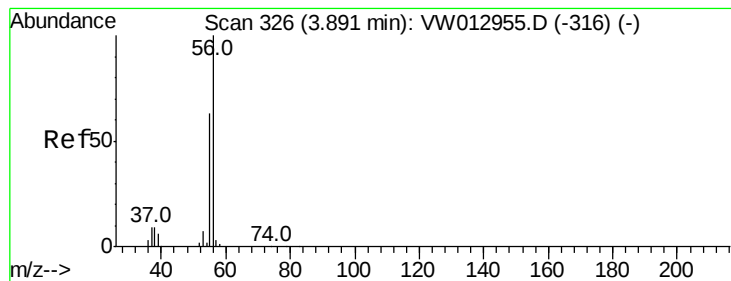
500

0

5.00 5.10 5.20

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.99 min Scan# 342

Delta R.T. 0.10 min

Lab File: VW013017.D

Acq: 15 Sep 2019 03:09

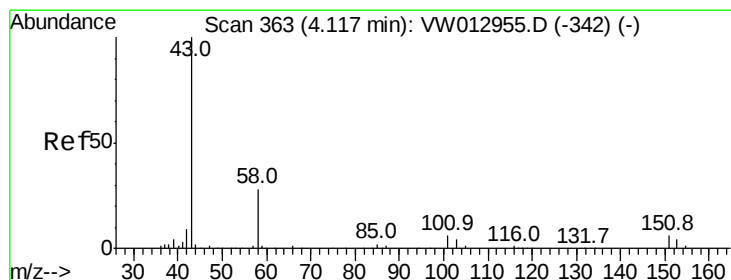
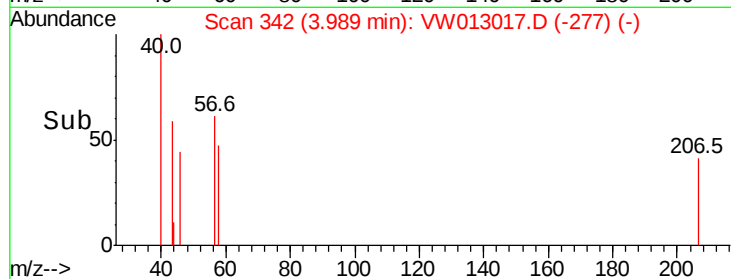
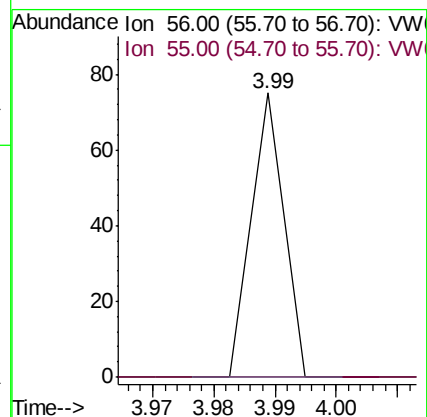
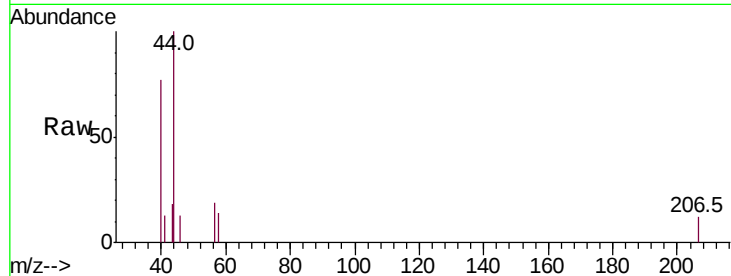
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 27

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013017.D

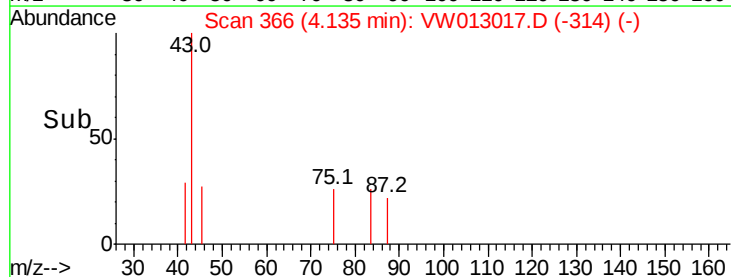
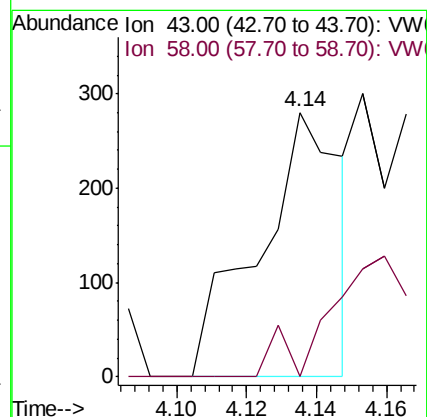
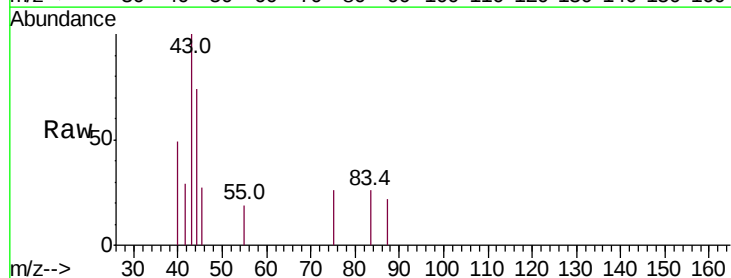
Acq: 15 Sep 2019 03:09

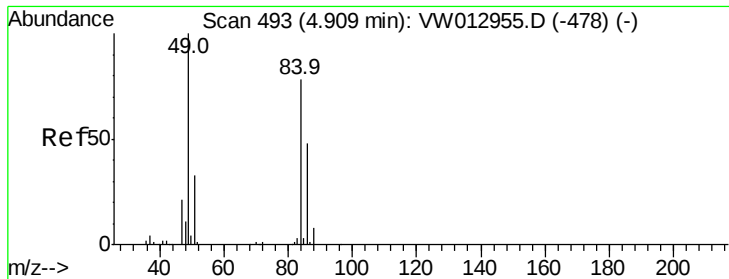
Tgt Ion: 43 Resp: 457

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#

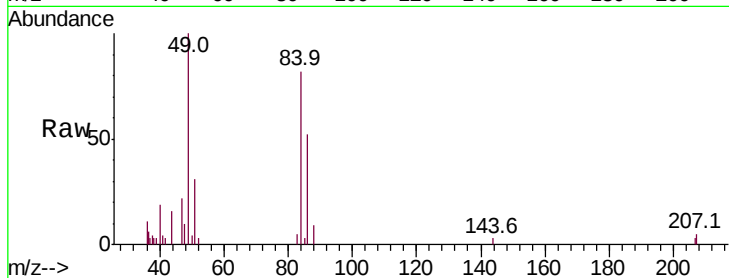




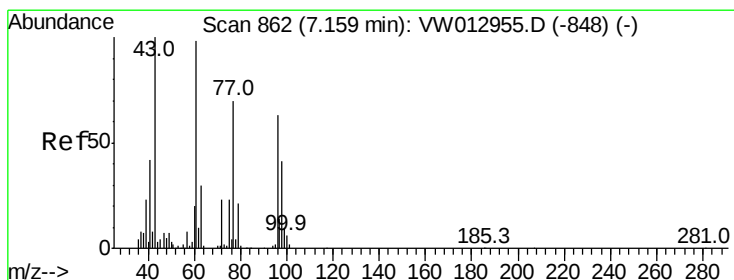
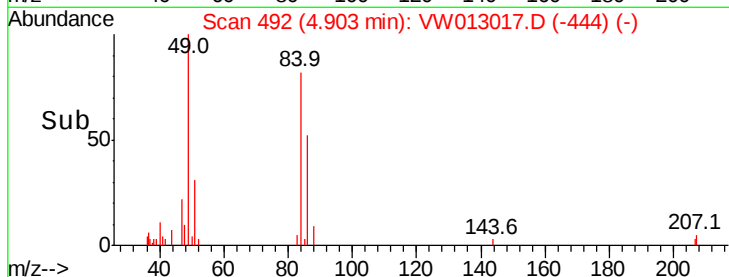
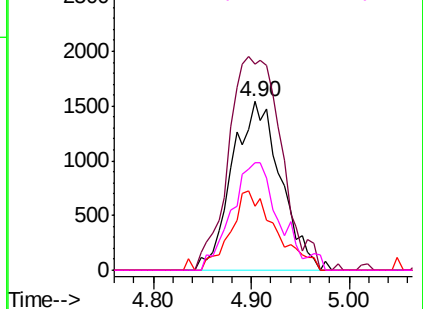
#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013017.D
Acq: 15 Sep 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 5303
Ion Ratio Lower Upper
84 100
49 122.3 102.0 153.0
51 38.3 34.0 51.0
86 64.1 48.5 72.7

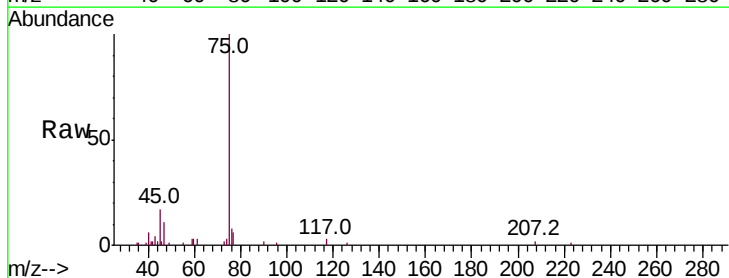


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

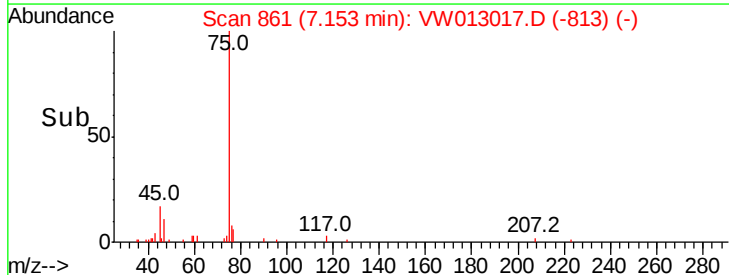
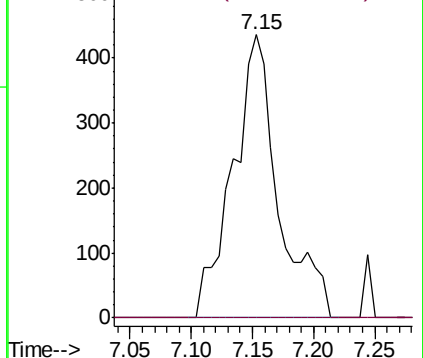


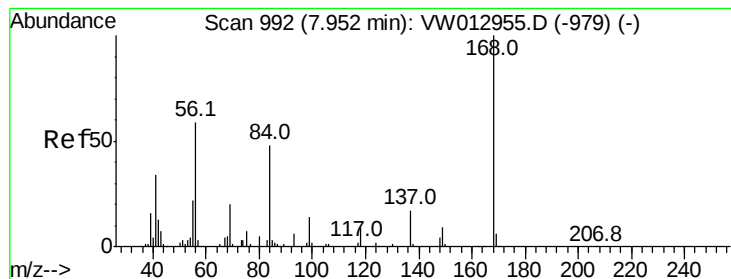
#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013017.D
Acq: 15 Sep 2019 03:09

Tgt Ion: 77 Resp: 1132
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





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013017.D

Acq: 15 Sep 2019 03:09

Instrument :

MSVOA_W

ClientSampleId :

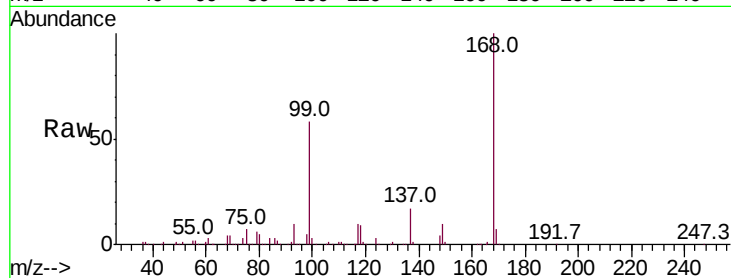
Tot Ion: 56 Resp: 7119

Ion Ratio Lower Upper

56 100

69 176.1 27.0 40.6#

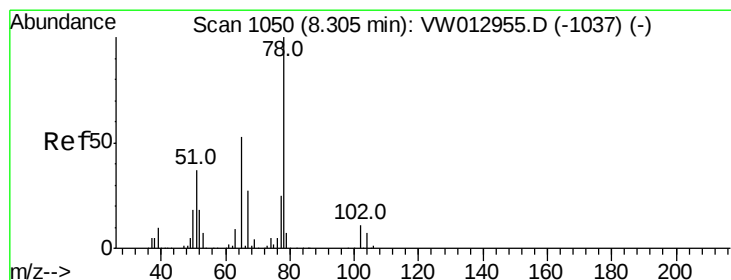
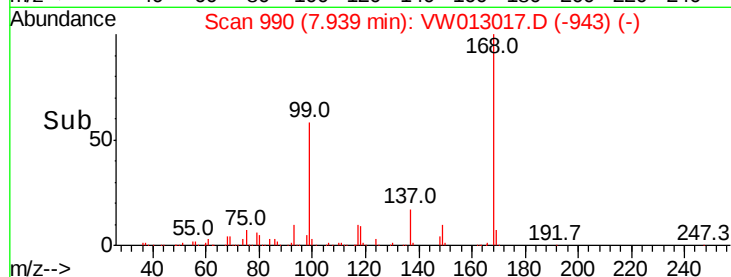
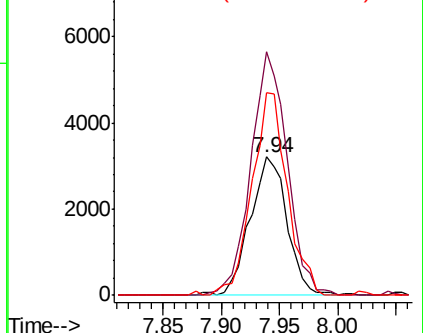
84 146.1 66.2 99.2#



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



#33

1,2-Dichloroethane-d4

Concen: 65.531 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013017.D

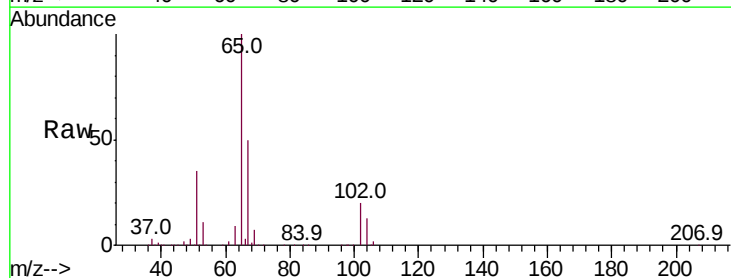
Acq: 15 Sep 2019 03:09

Tgt Ion: 65 Resp: 203279

Ion Ratio Lower Upper

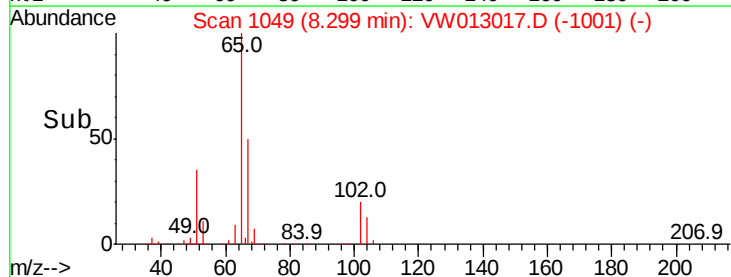
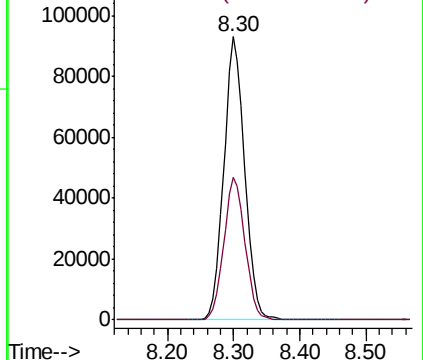
65 100

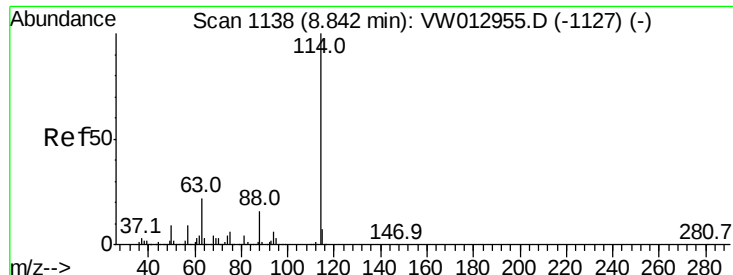
67 51.0 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

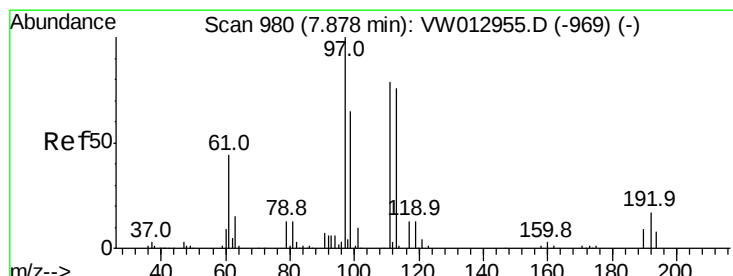
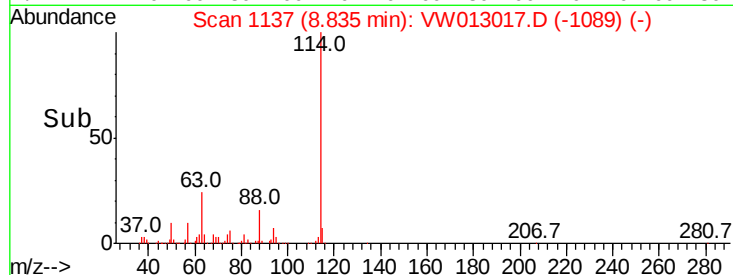
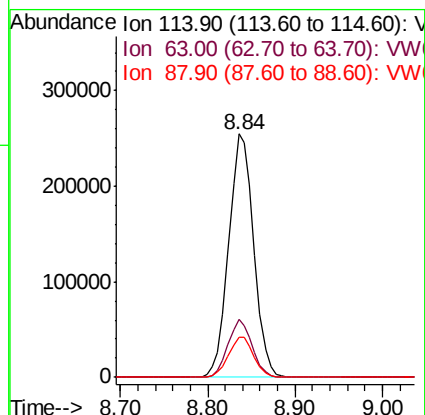
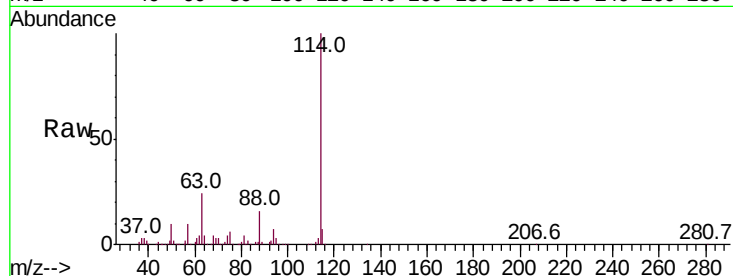




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VW013017.D
Acq: 15 Sep 2019 03:09

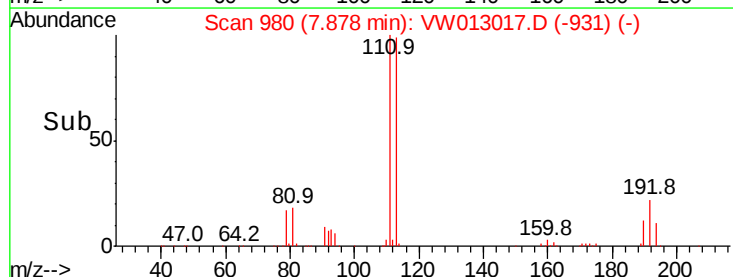
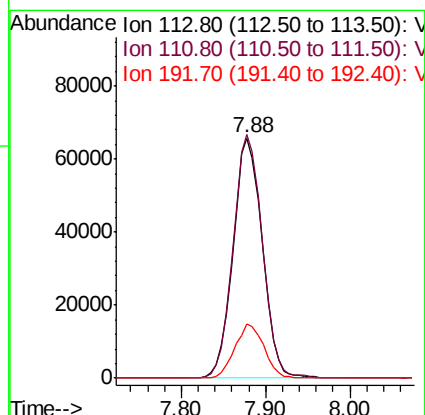
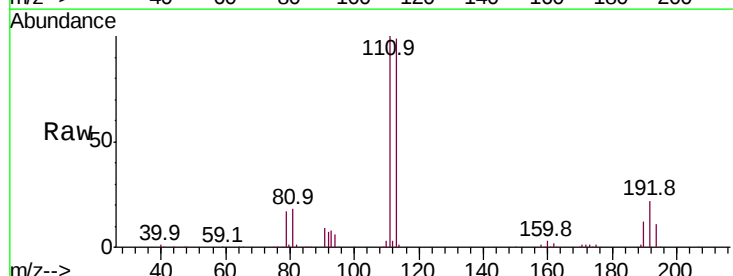
Instrument :
MSVOA_W
ClientSampleId :

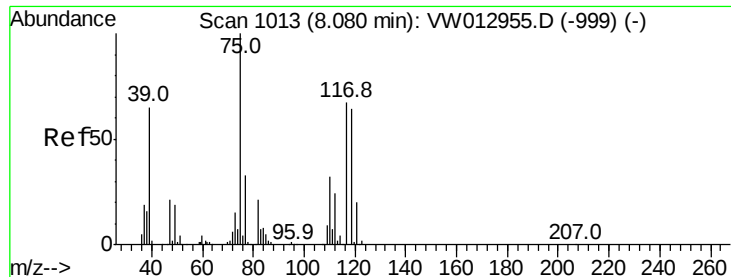
Tot Ion:114 Resp: 506067
Ion Ratio Lower Upper
114 100
63 23.9 0.0 43.4
88 16.4 0.0 31.6



#35
Dibromofluoromethane
Concen: 55.986 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW013017.D
Acq: 15 Sep 2019 03:09

Tgt Ion:113 Resp: 153737
Ion Ratio Lower Upper
113 100
111 101.7 82.8 124.2
192 22.6 17.8 26.8

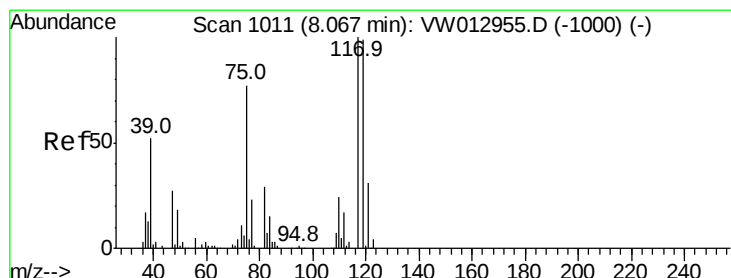
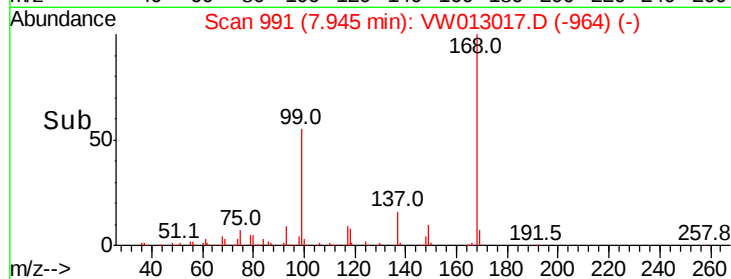
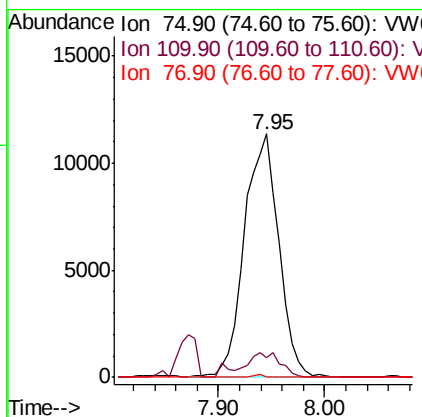
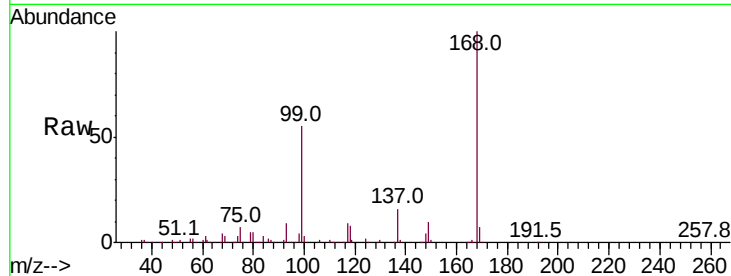




#36
 1,1-Dichloropropene
 Concen: 6.378 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013017.D
 Acq: 15 Sep 2019 03:09

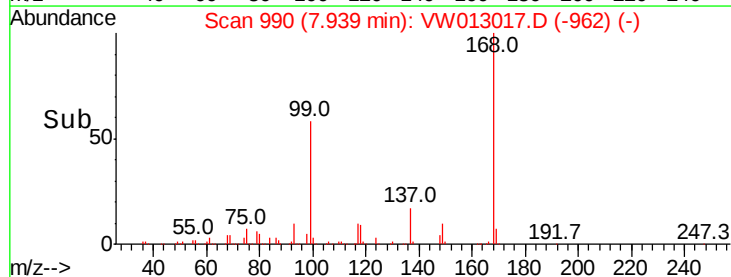
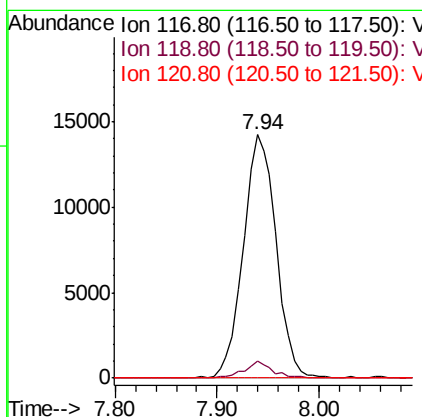
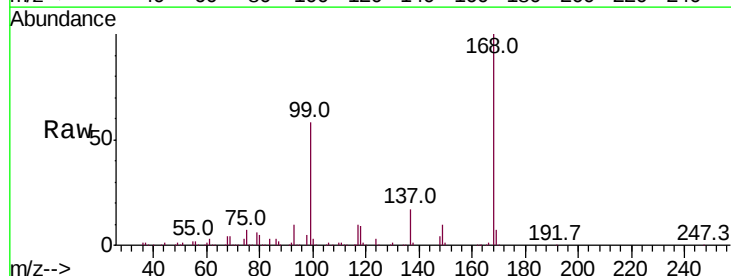
Instrument :
 MSVOA_W
 ClientSampled :

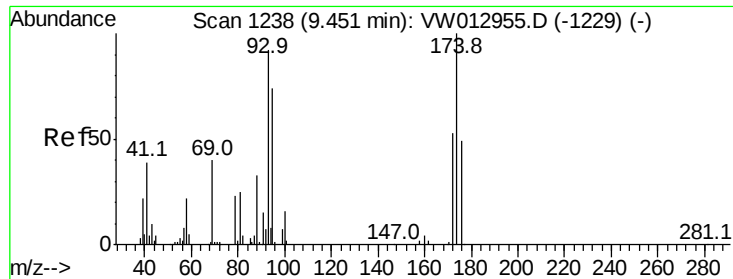
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.4	49.1#
77	0.3	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 7.664 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW013017.D
 Acq: 15 Sep 2019 03:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	79.4	119.0#
121	0.0	24.6	36.8#

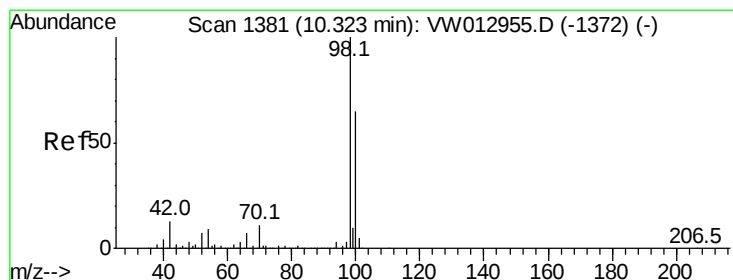
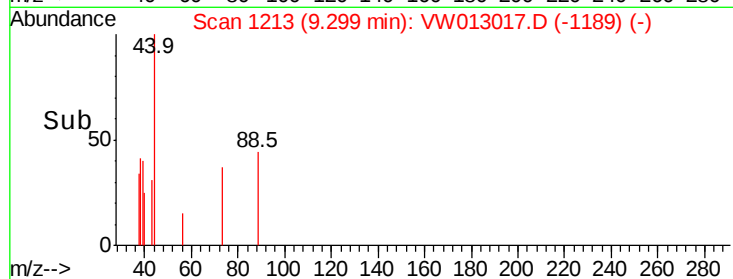
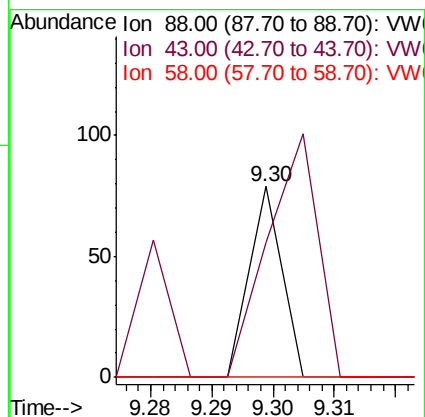
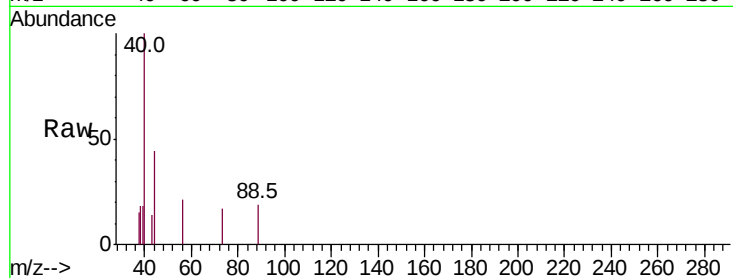




#49
 1,4-Dioxane
 Concen: 1.204 ug/l
 RT: 9.30 min Scan# 1213
 Delta R.T. -0.15 min
 Lab File: VW013017.D
 Acq: 15 Sep 2019 03:09

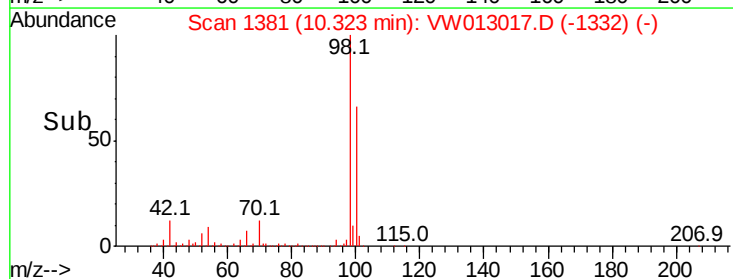
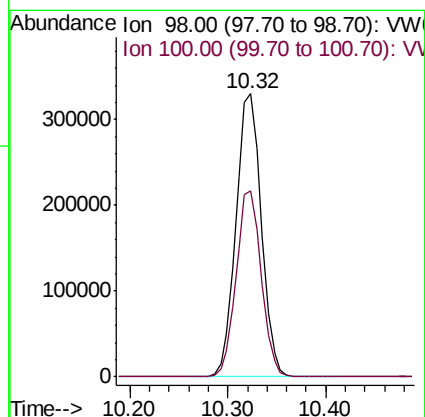
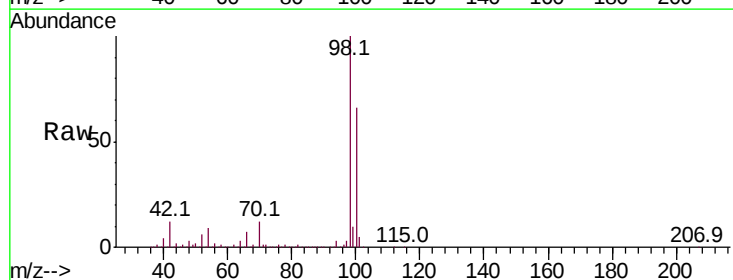
Instrument :
 MSVOA_W
 ClientSampled :

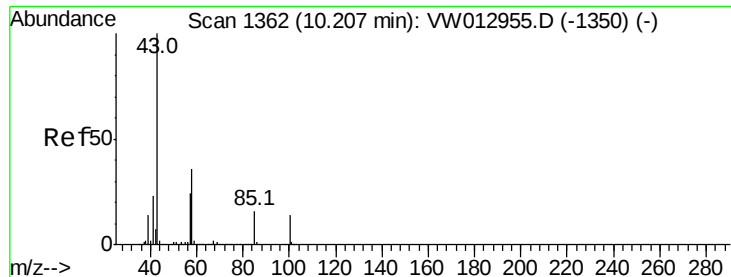
Tot Ion: 88 Resp: 29
 Ion Ratio Lower Upper
 88 100
 43 196.6 31.3 46.9#
 58 0.0 60.2 90.2#



#50
 Toluene-d8
 Concen: 55.206 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013017.D
 Acq: 15 Sep 2019 03:09

Tgt Ion: 98 Resp: 593201
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.518 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013017.D

Acq: 15 Sep 2019 03:09

Instrument :

MSVOA_W

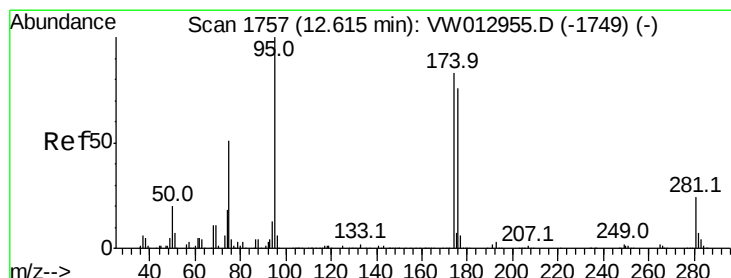
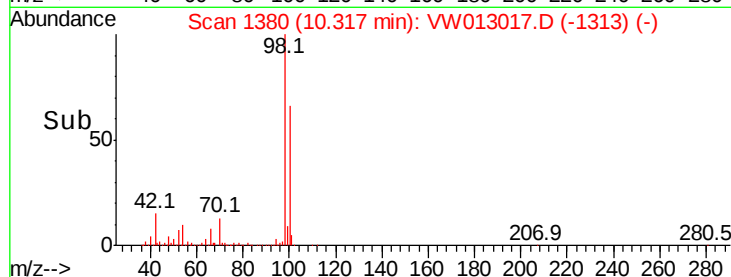
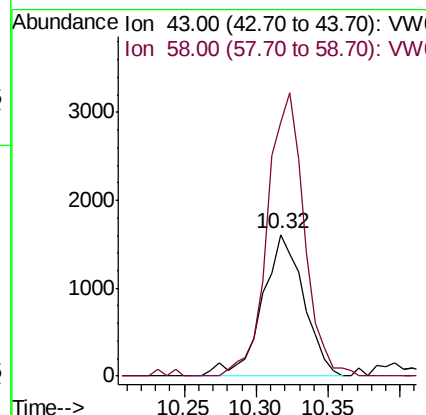
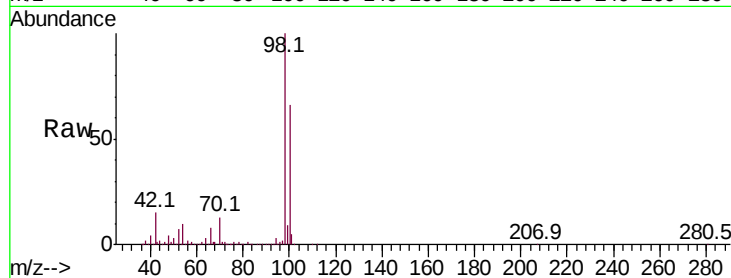
ClientSampleId :

Tot Ion: 43 Resp: 3230

Ion Ratio Lower Upper

43 100

58 176.9 29.5 44.3#



#62

4-Bromofluorobenzene

Concen: 45.282 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013017.D

Acq: 15 Sep 2019 03:09

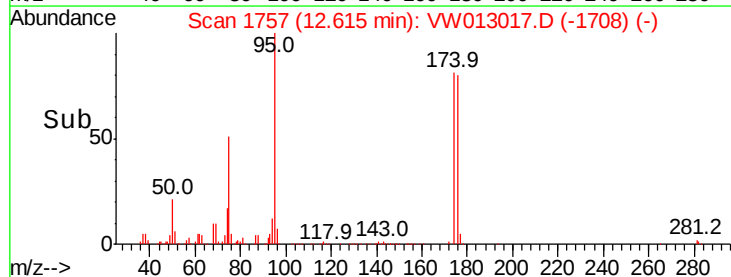
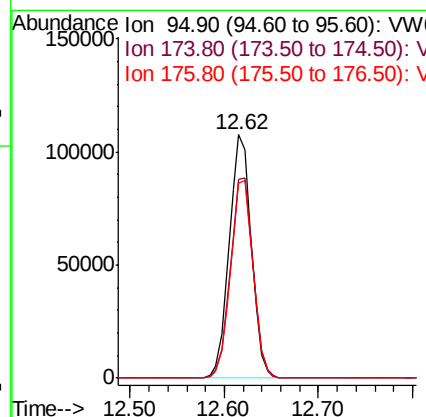
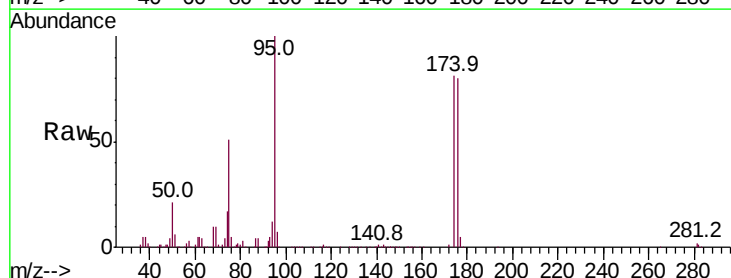
Tgt Ion: 95 Resp: 174960

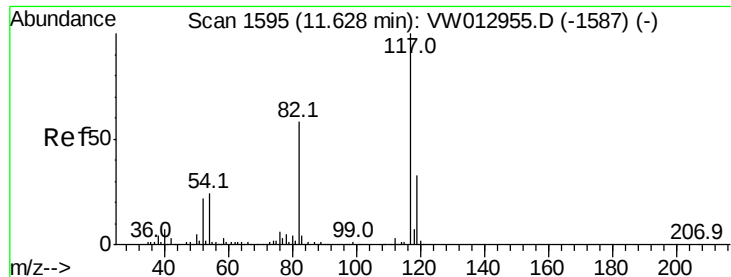
Ion Ratio Lower Upper

95 100

174 84.7 0.0 170.4

176 82.4 0.0 164.6

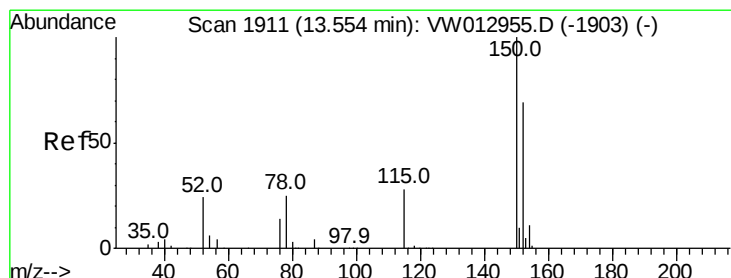
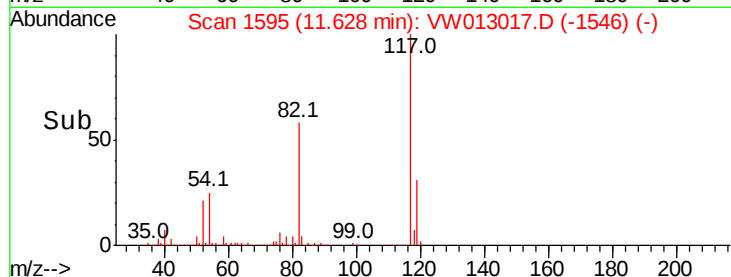
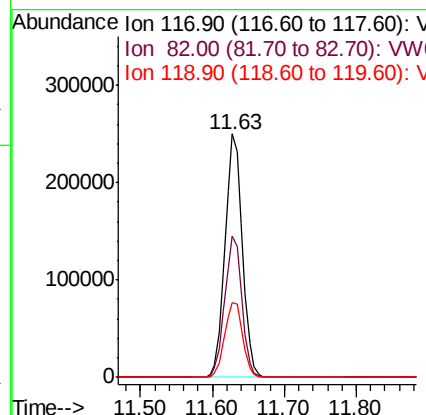
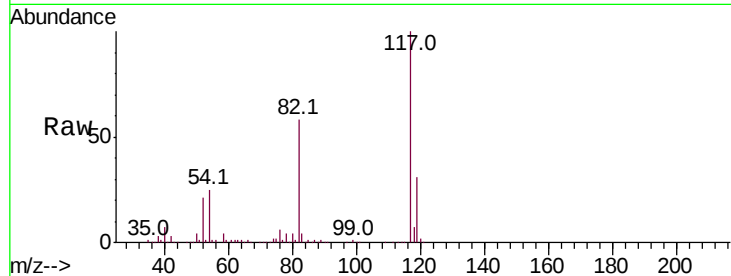




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013017.D
Acq: 15 Sep 2019 03:09

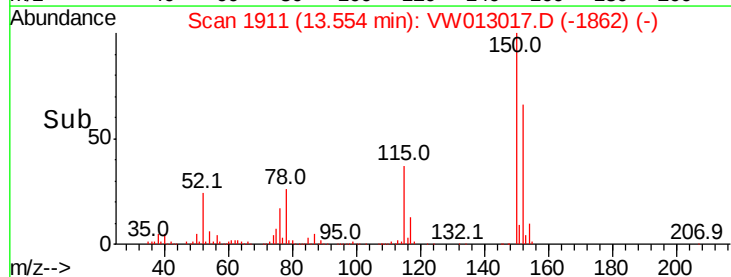
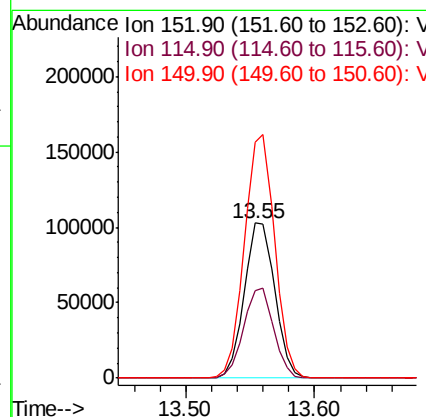
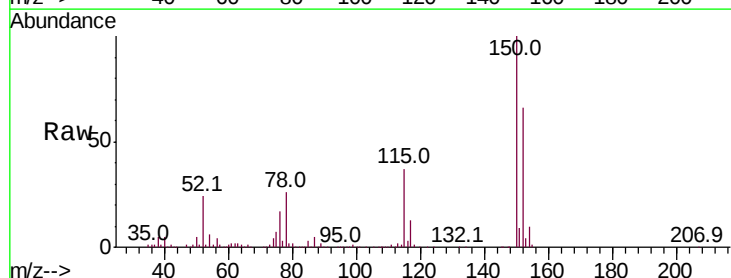
Instrument :
MSVOA_W
ClientSampleId :

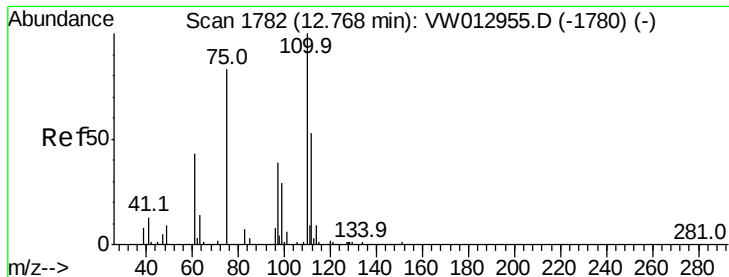
Tot Ion:117 Resp: 416994
Ion Ratio Lower Upper
117 100
82 57.8 46.3 69.5
119 30.7 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013017.D
Acq: 15 Sep 2019 03:09

Tgt Ion:152 Resp: 167762
Ion Ratio Lower Upper
152 100
115 57.2 28.8 86.4
150 155.5 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 60.944 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013017.D

Acq: 15 Sep 2019 03:09

Instrument :

MSVOA_W

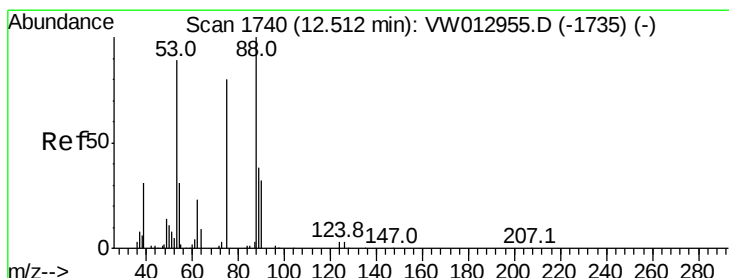
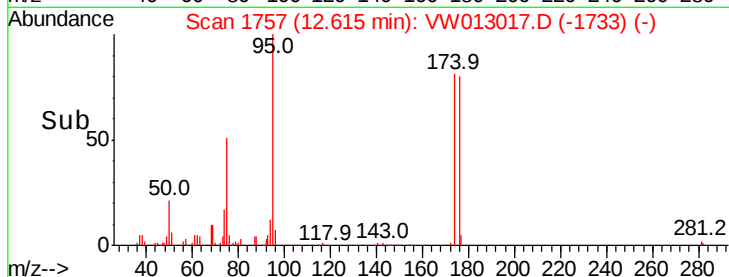
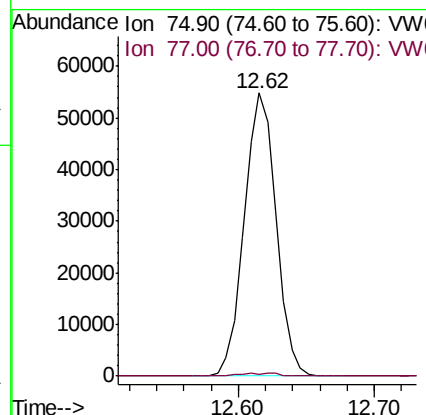
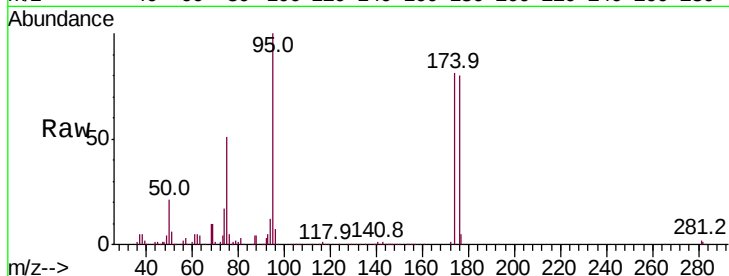
ClientSampled :

Tot Ion: 75 Resp: 89555

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.250 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013017.D

Acq: 15 Sep 2019 03:09

Tgt Ion: 75 Resp: 89555

Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.0 37.2 55.8#

