

Data File : VW013110.D
Acq On : 18 Sep 2019 13:53
Operator : SY/VA
Sample : K4666-12
Misc : 2.88G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PL-02-091619

Quant Time: Sep 19 07:54:17 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	309448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	450859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124234	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	121562	42.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.06%	
35) Dibromofluoromethane	7.88	113	122536	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	10.32	98	512814	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.62	95	137647	39.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.98%	

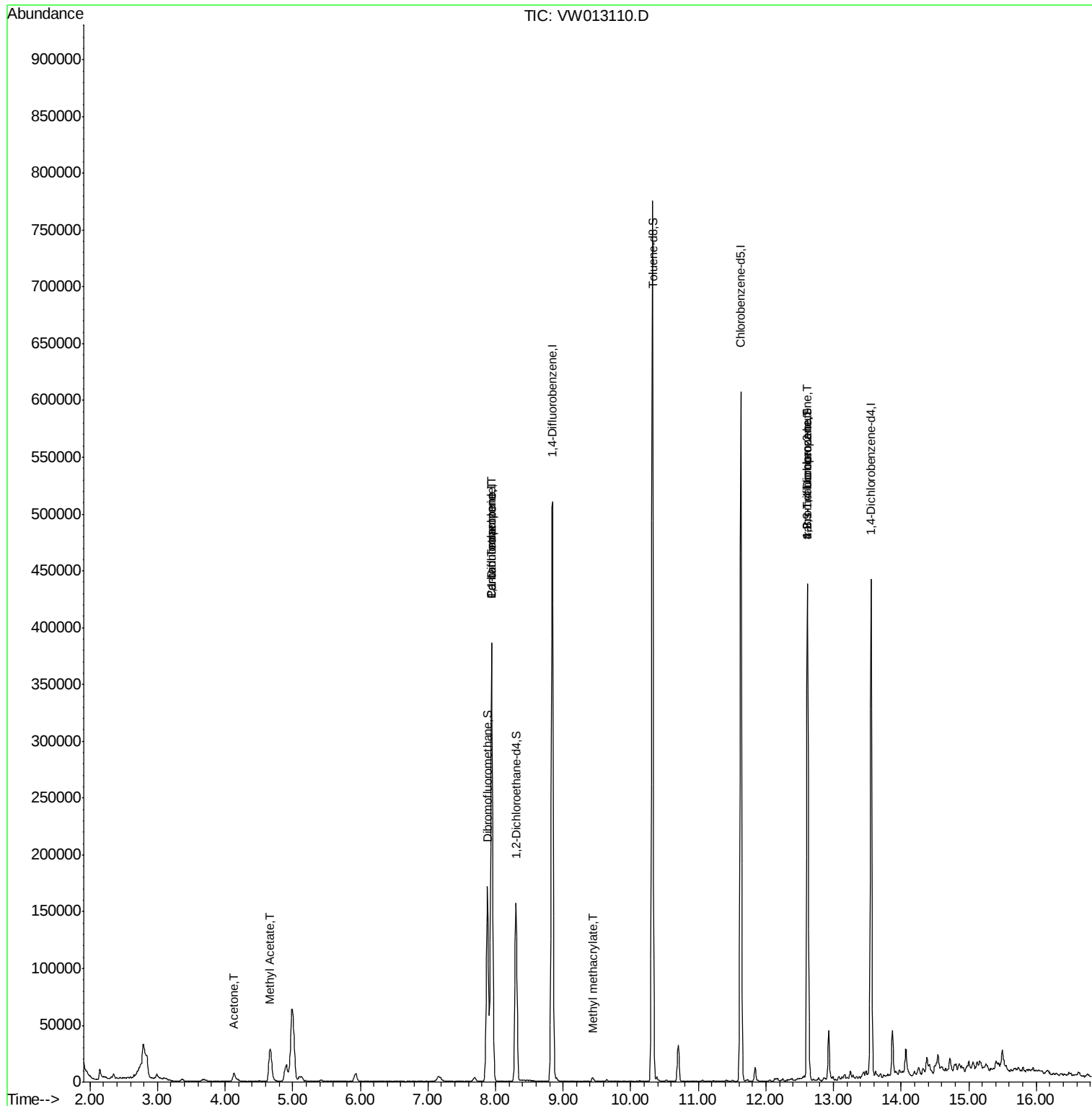
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	67	Below Cal	#	44
3) Chloromethane	2.20	50	298	Below Cal		94
11) Tert butyl alcohol	5.21	59	311	Below Cal	#	94
13) Acrolein	4.07	56	30	Below Cal	#	15
16) Acetone	4.14	43	14114	3.483	ug/l #	88
18) Methyl Acetate	4.67	43	59011	36.242	ug/l	99
20) Methylene Chloride	4.90	84	11224	Below Cal	#	90
26) 2,2-Dichloropropane	7.15	77	153	Below Cal	#	55
31) Cyclohexane	7.95	56	5243	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	20373	5.655	ug/l #	52
38) Carbon Tetrachloride	7.95	117	26860	7.275	ug/l #	13
48) Methyl methacrylate	9.45	41	2019	1.172	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	66436	61.052	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66436	138.495	ug/l #	7

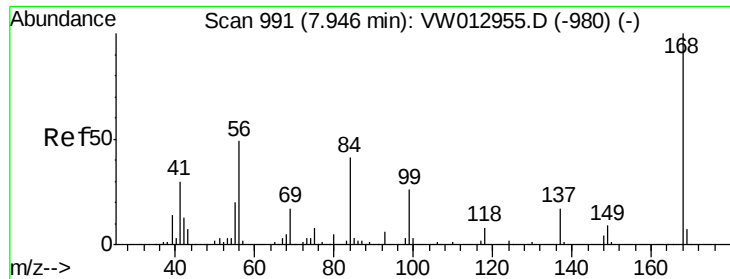
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW013110.D
Acq On : 18 Sep 2019 13:53
Operator : SY/VA
Sample : K4666-12
Misc : 2.88G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PL-02-091619

Quant Time: Sep 19 07:54:17 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013110.D

Acq: 18 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

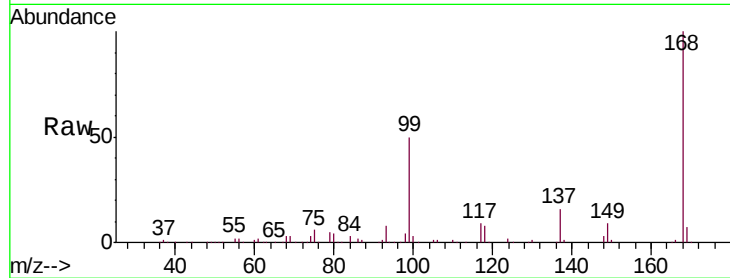
PL-02-091619

Tgt Ion:168 Resp: 309448

Ion Ratio Lower Upper

168 100

99 50.3 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

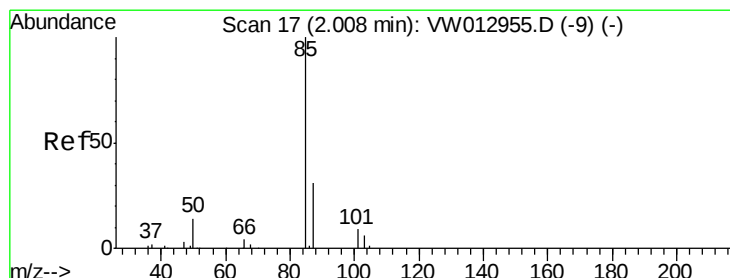
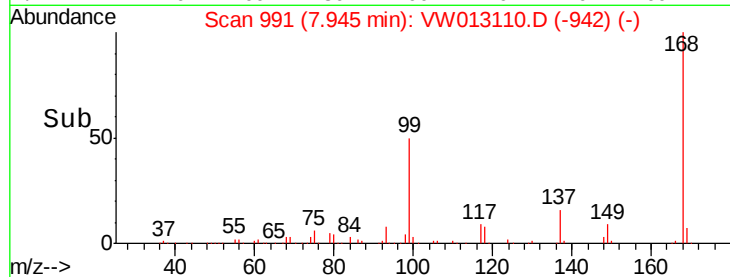
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW013110.D

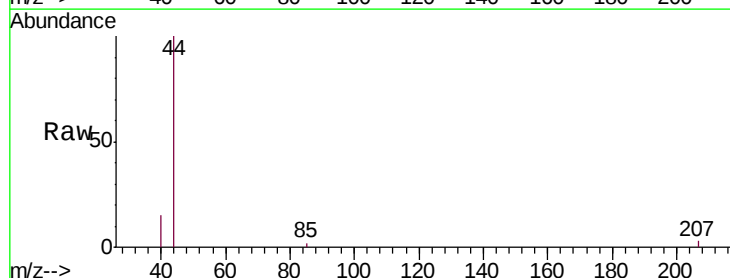
Acq: 18 Sep 2019 13:53

Tgt Ion: 85 Resp: 67

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

2.00

120

100

80

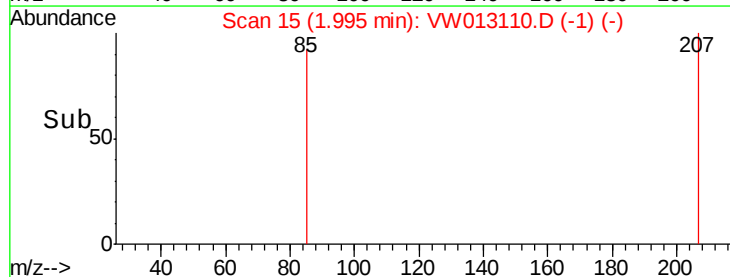
60

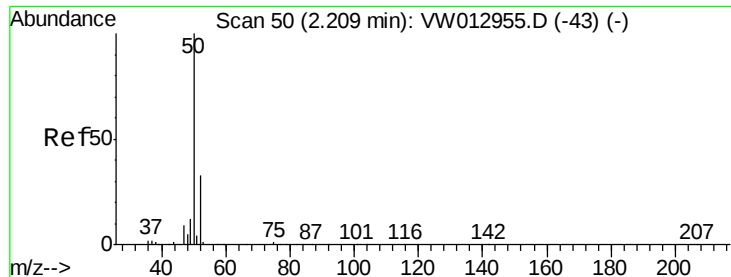
40

20

0

Time--> 1.98 2.00 2.02





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VW013110.D

Acq: 18 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

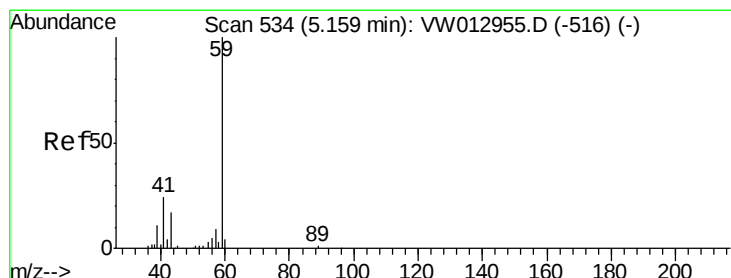
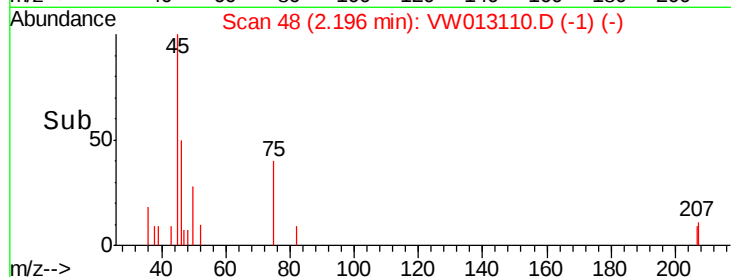
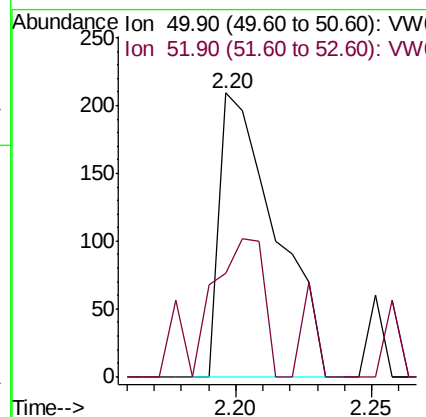
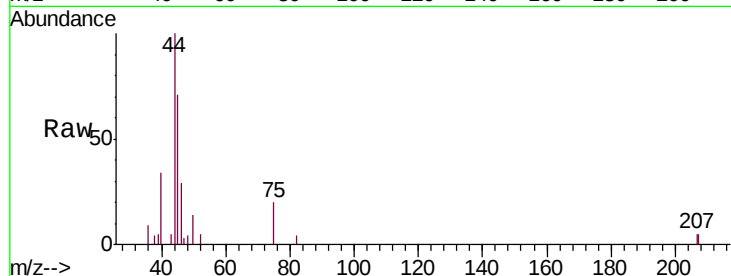
PL-02-091619

Tgt Ion: 50 Resp: 298

Ion Ratio Lower Upper

50 100

52 36.4 26.6 39.8



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.05 min

Lab File: VW013110.D

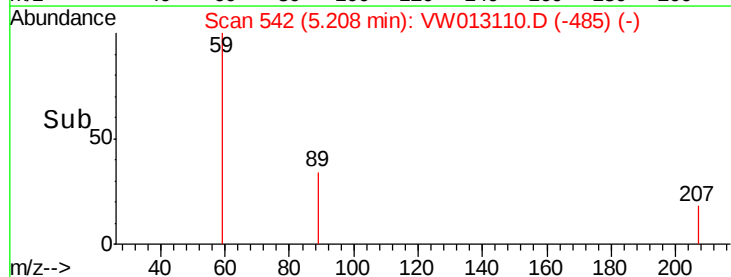
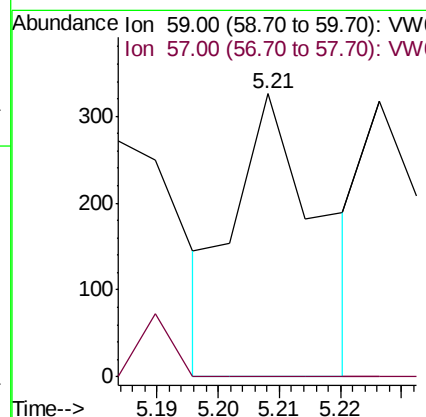
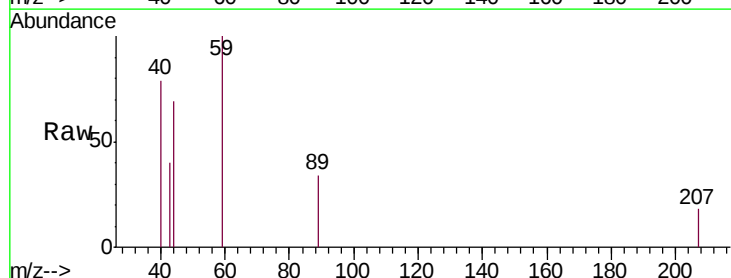
Acq: 18 Sep 2019 13:53

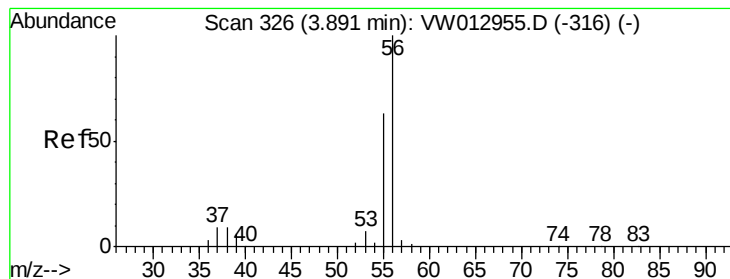
Tgt Ion: 59 Resp: 311

Ion Ratio Lower Upper

59 100

57 8.4 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 4.07 min Scan# 356

Delta R.T. 0.18 min

Lab File: VW013110.D

Acq: 18 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

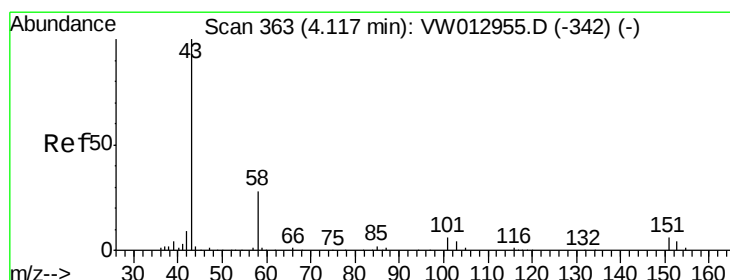
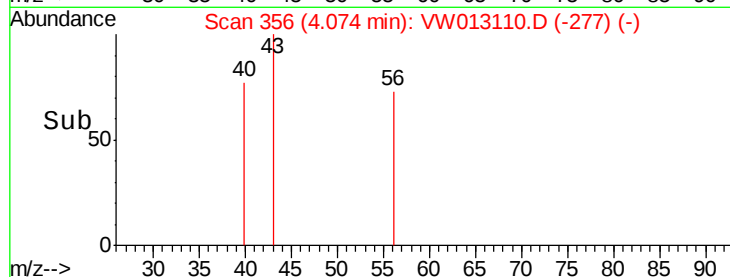
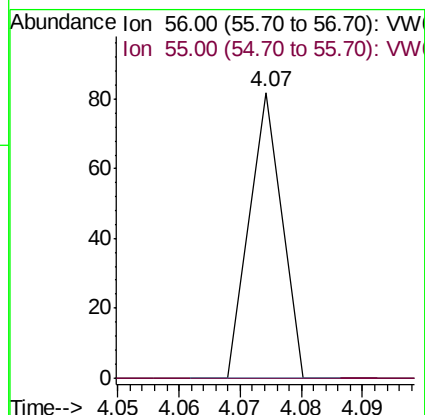
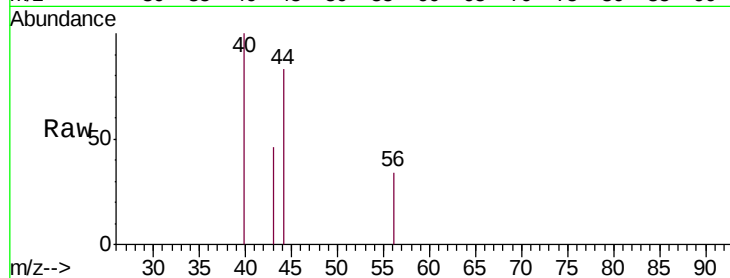
PL-02-091619

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: 3.483 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013110.D

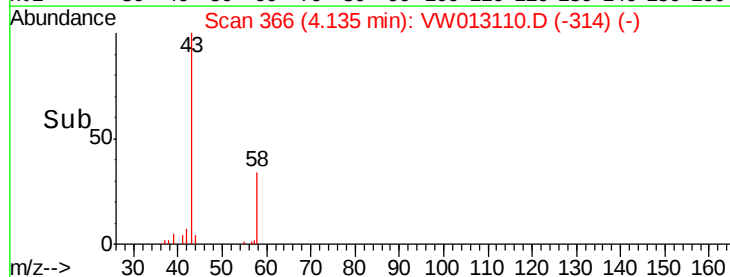
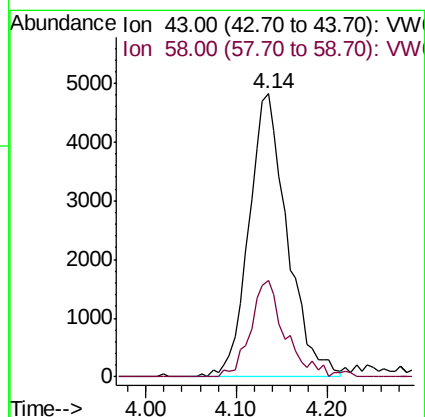
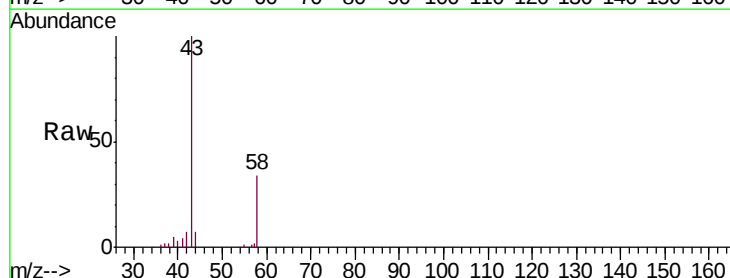
Acq: 18 Sep 2019 13:53

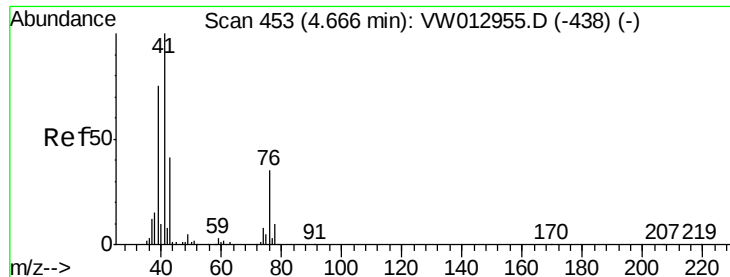
Tgt Ion: 43 Resp: 14114

Ion Ratio Lower Upper

43 100

58 34.1 22.3 33.5#

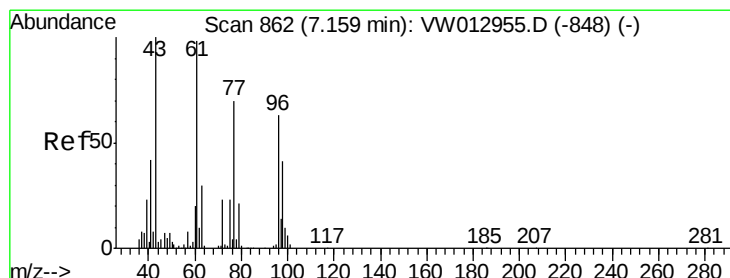
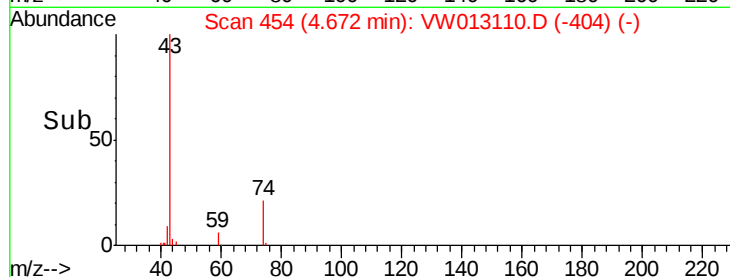
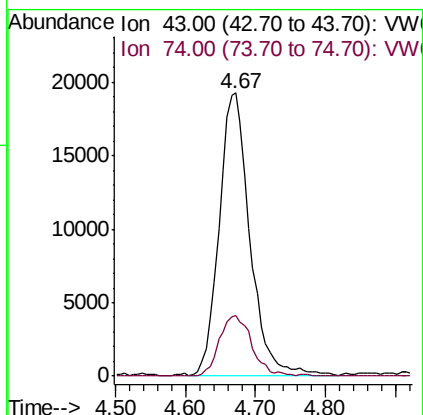
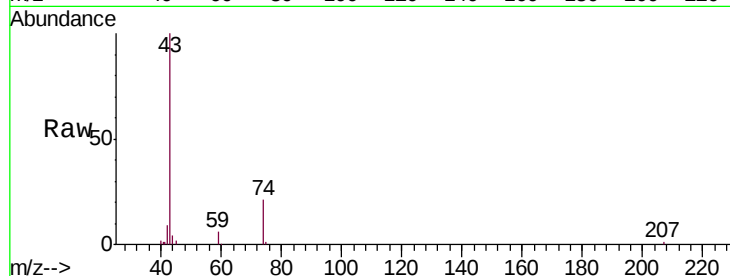




#18
Methyl Acetate
Concen: 36.242 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013110.D
Acq: 18 Sep 2019 13:53

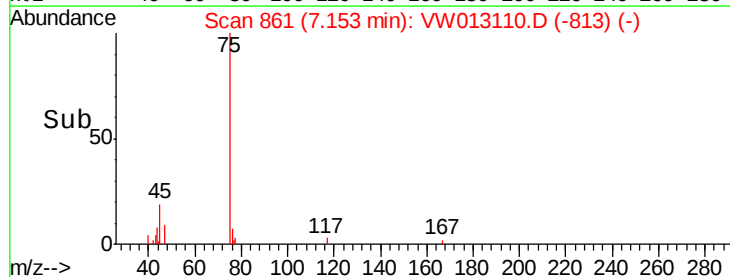
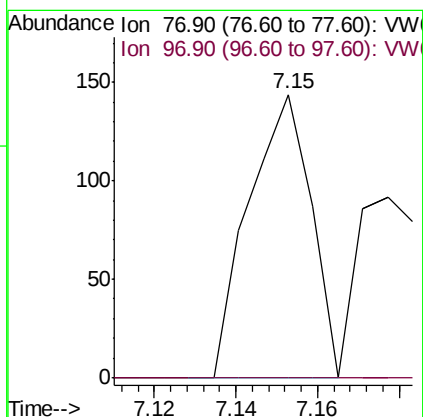
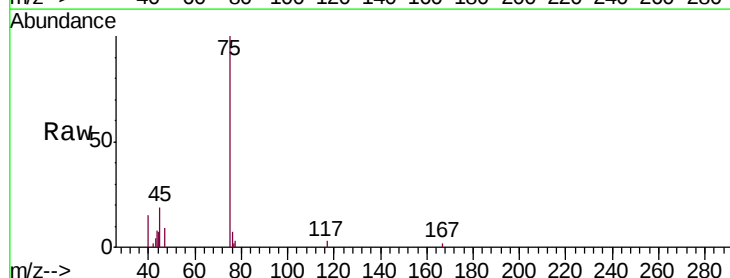
Instrument :
MSVOA_W
ClientSampleId :
PL-02-091619

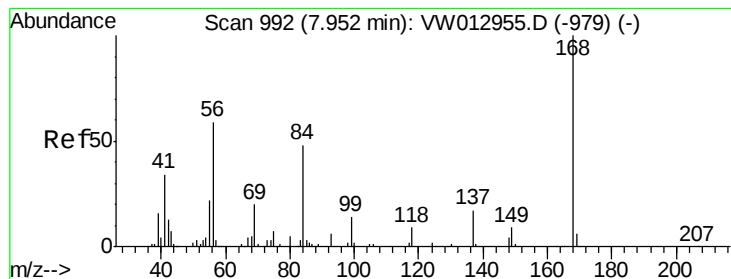
Tgt Ion: 43 Resp: 59011
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013110.D
Acq: 18 Sep 2019 13:53

Tgt Ion: 77 Resp: 153
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013110.D

Acq: 18 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

PL-02-091619

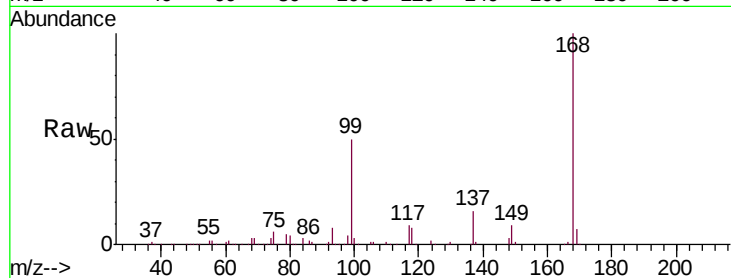
Tgt Ion: 56 Resp: 5243

Ion Ratio Lower Upper

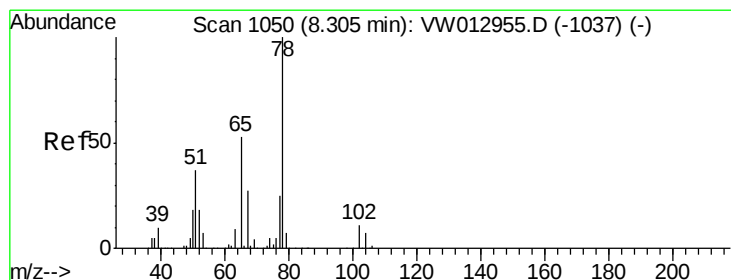
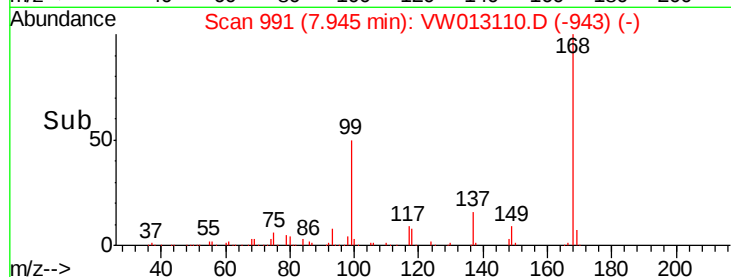
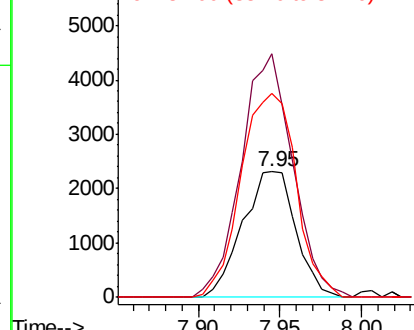
56 100

69 193.9 27.0 40.6#

84 161.9 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: 42.534 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013110.D

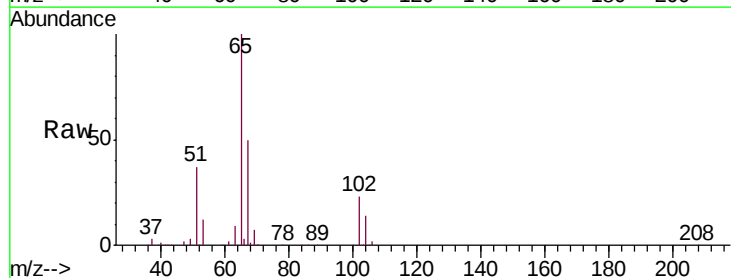
Acq: 18 Sep 2019 13:53

Tgt Ion: 65 Resp: 121562

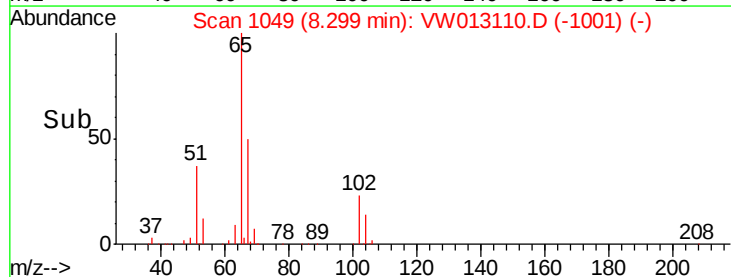
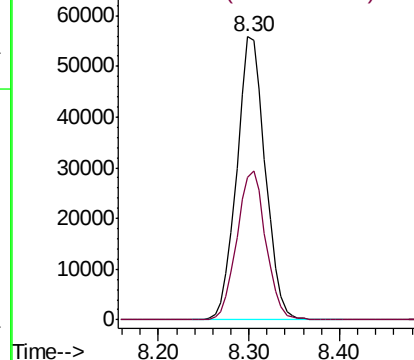
Ion Ratio Lower Upper

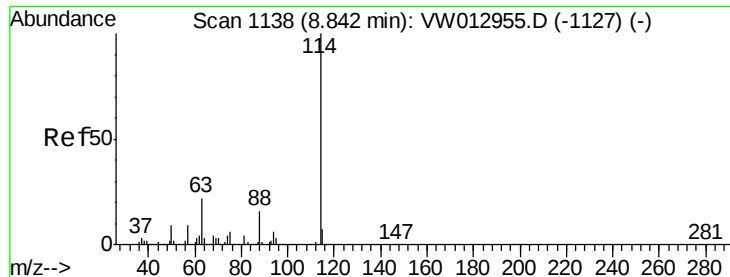
65 100

67 53.6 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

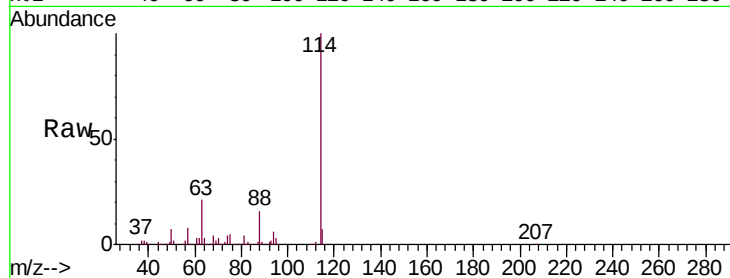




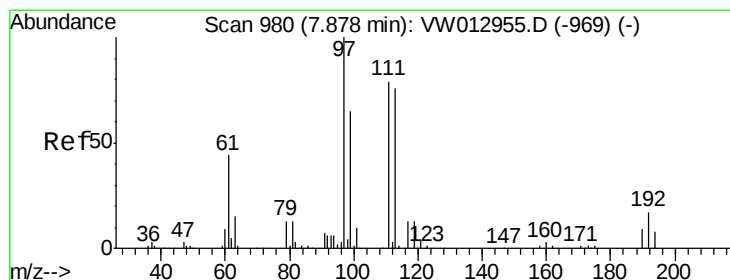
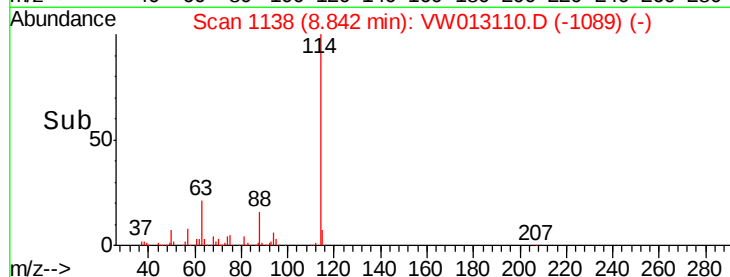
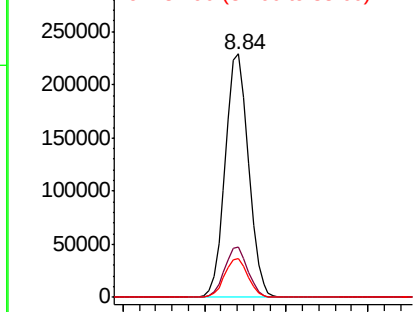
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013110.D
 Acq: 18 Sep 2019 13:53

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-091619

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.4
88	16.0	0.0	31.6

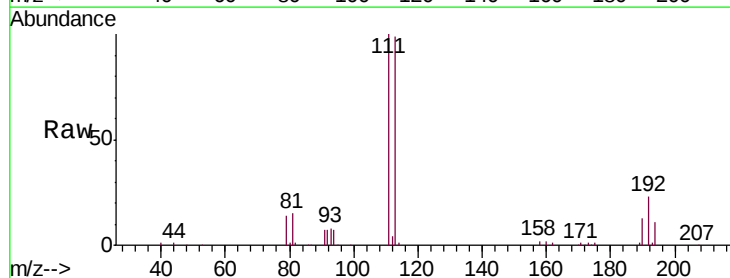


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

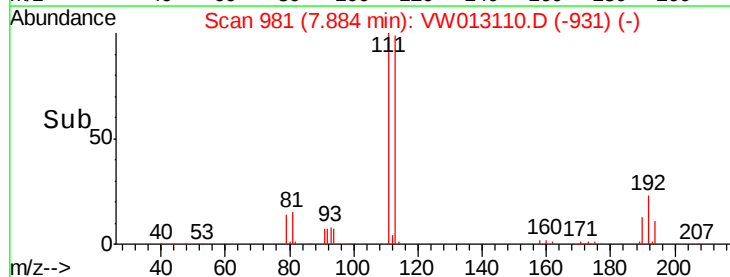
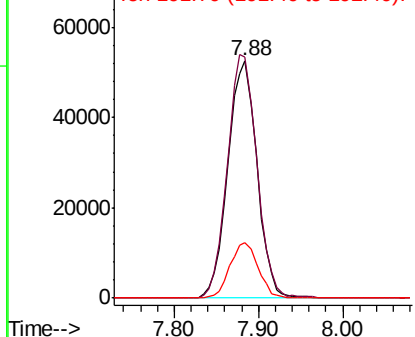


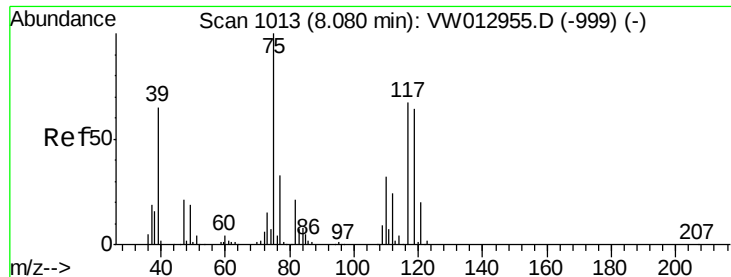
#35
 Dibromofluoromethane
 Concen: 50.088 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013110.D
 Acq: 18 Sep 2019 13:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.8	124.2
192	22.7	17.8	26.8



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

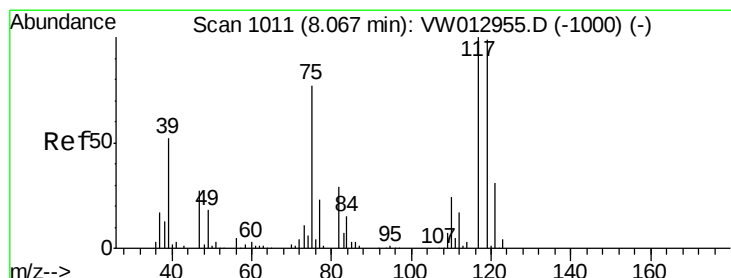
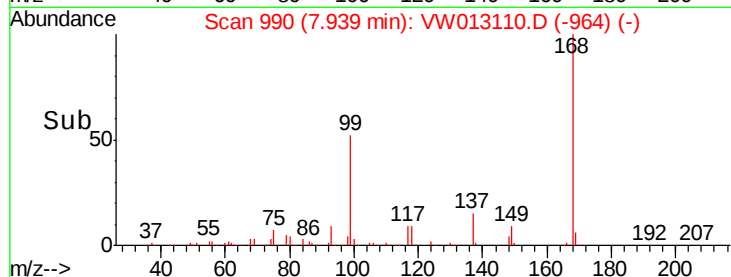
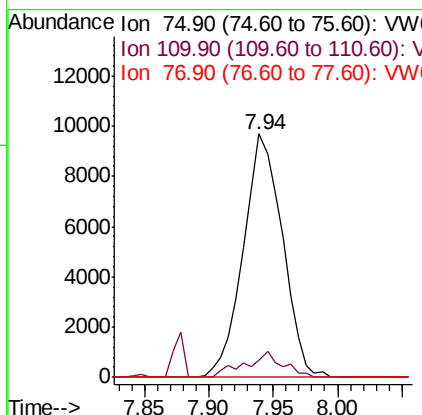
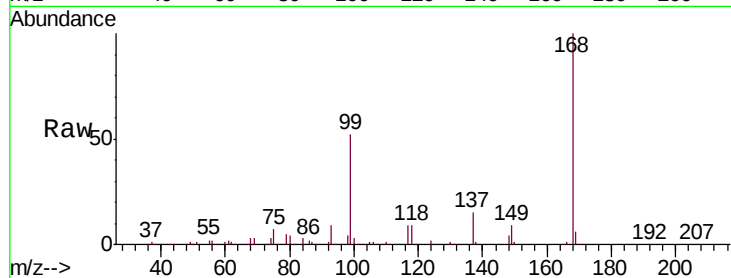




#36
 1,1-Dichloropropene
 Concen: 5.655 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013110.D
 Acq: 18 Sep 2019 13:53

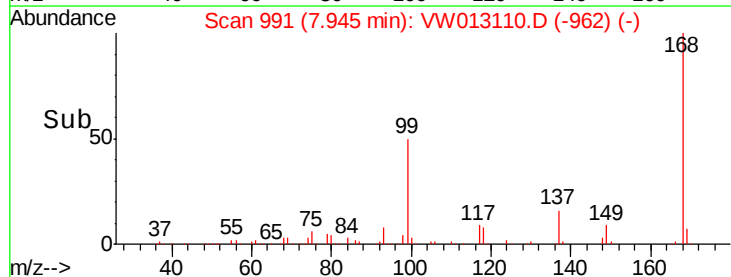
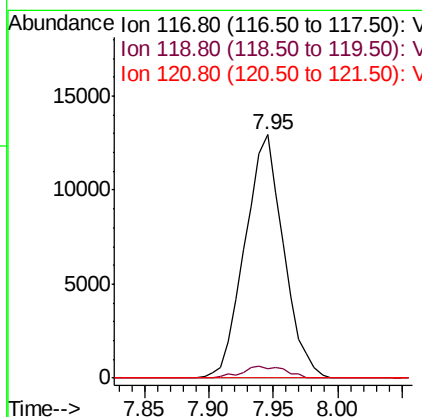
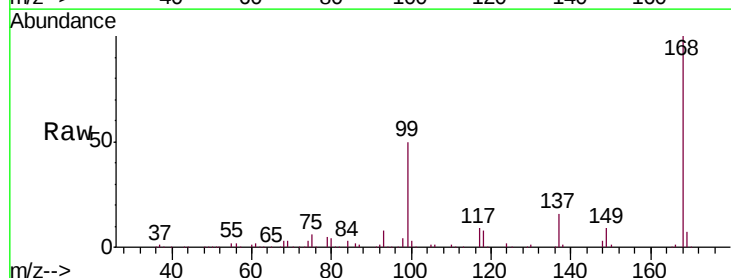
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-091619

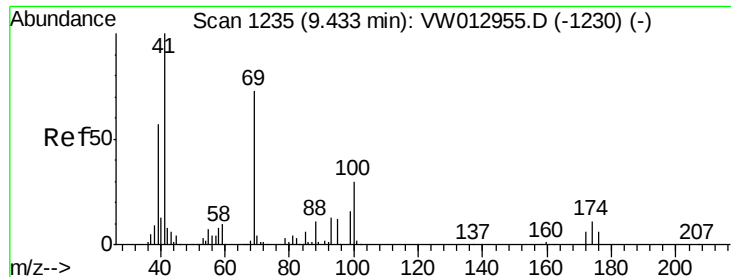
Tgt Ion: 75 Resp: 20373
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.275 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013110.D
 Acq: 18 Sep 2019 13:53

Tgt Ion: 117 Resp: 26860
 Ion Ratio Lower Upper
 117 100
 119 3.6 79.4 119.0#
 121 0.0 24.6 36.8#

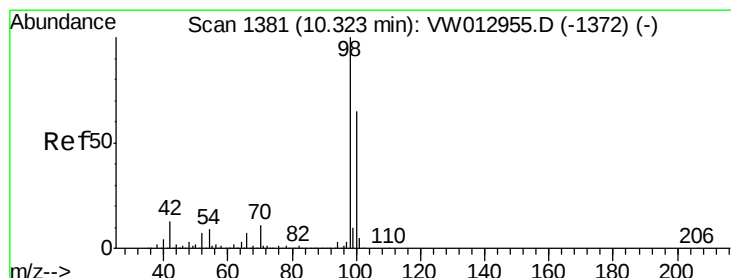
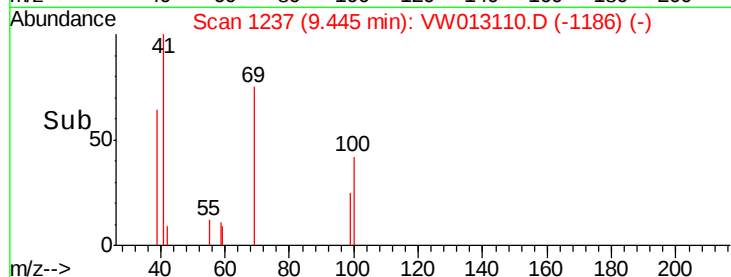
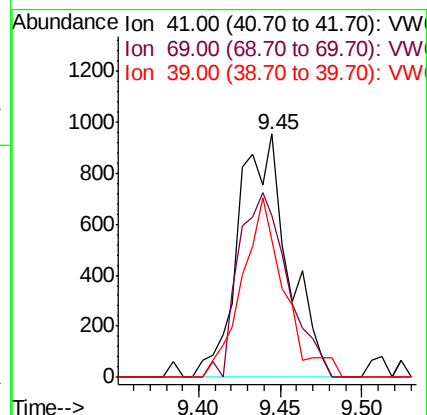
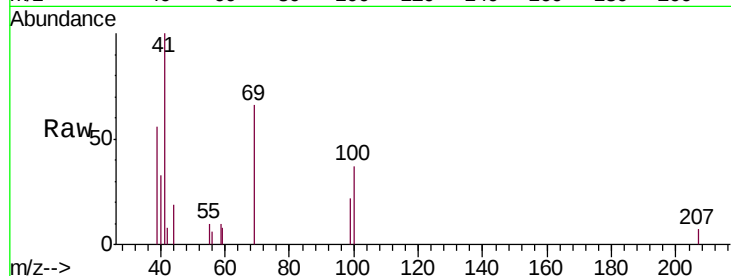




#48
Methyl methacrylate
Concen: 1.172 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW013110.D
Acq: 18 Sep 2019 13:53

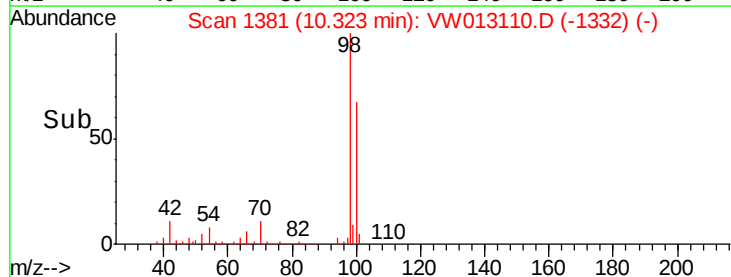
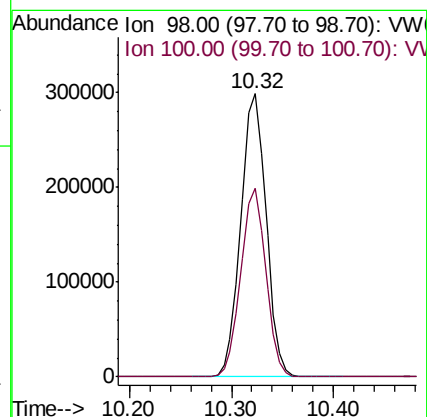
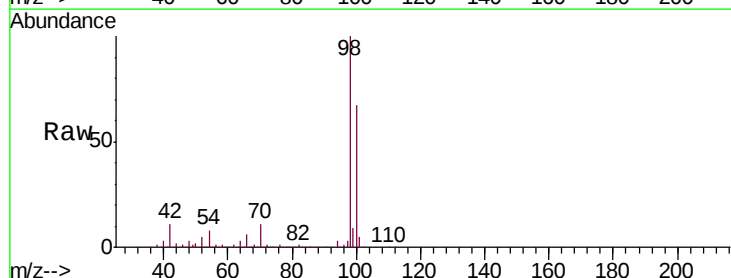
Instrument :
MSVOA_W
ClientSampleId :
PL-02-091619

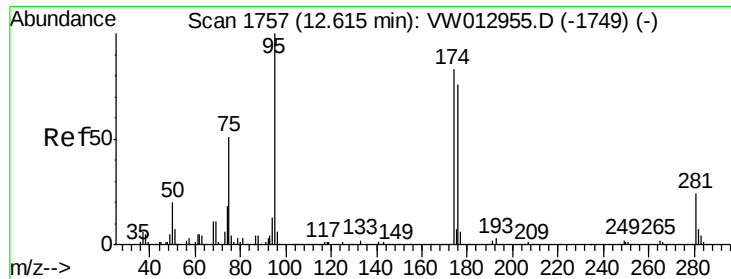
Tgt Ion: 41 Resp: 2019
Ion Ratio Lower Upper
41 100
69 75.7 62.8 94.2
39 63.0 48.5 72.7



#50
Toluene-d8
Concen: 53.568 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013110.D
Acq: 18 Sep 2019 13:53

Tgt Ion: 98 Resp: 512814
Ion Ratio Lower Upper
98 100
100 66.1 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 39.987 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013110.D

Acq: 18 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

PL-02-091619

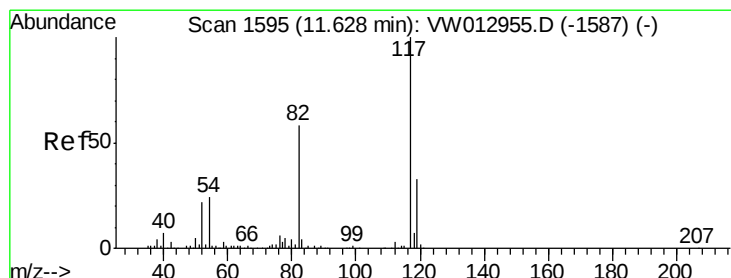
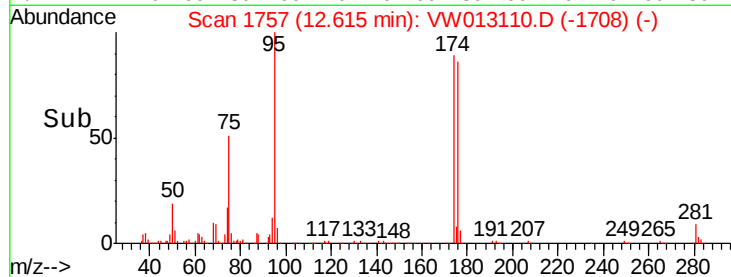
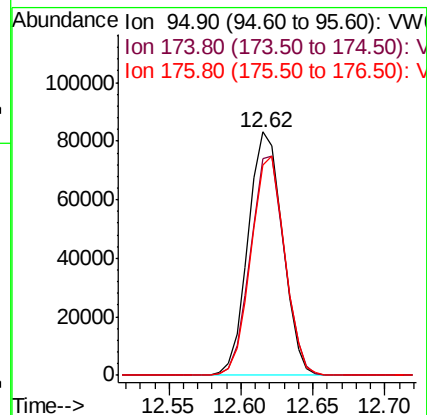
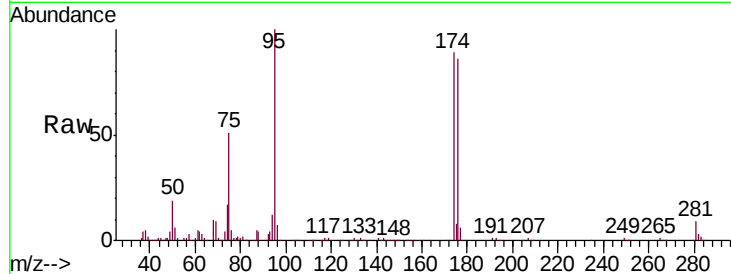
Tgt Ion: 95 Resp: 137647

Ion Ratio Lower Upper

95 100

174 88.8 0.0 170.4

176 87.6 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: VW013110.D

Acq: 18 Sep 2019 13:53

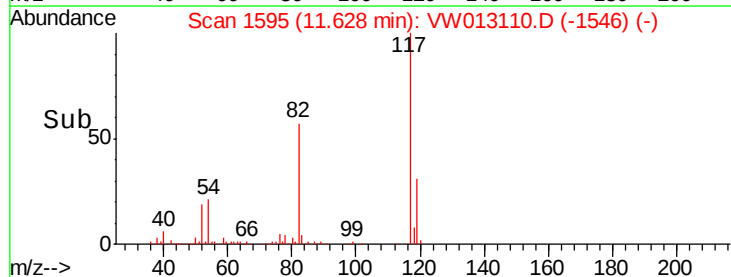
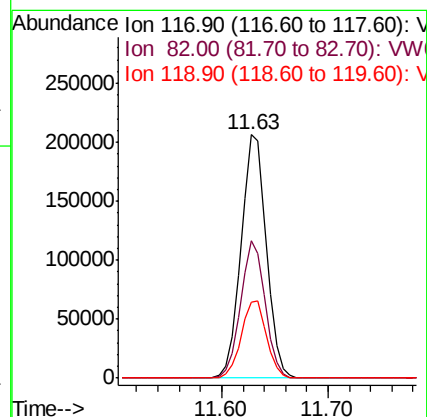
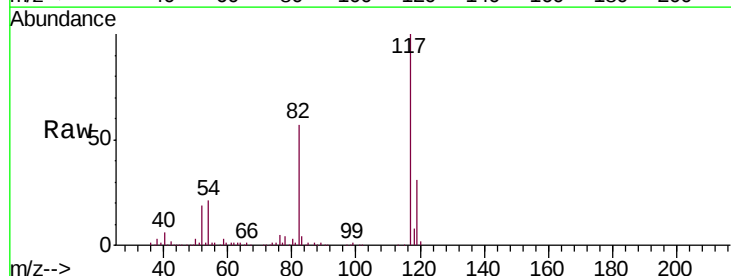
Tgt Ion: 117 Resp: 344571

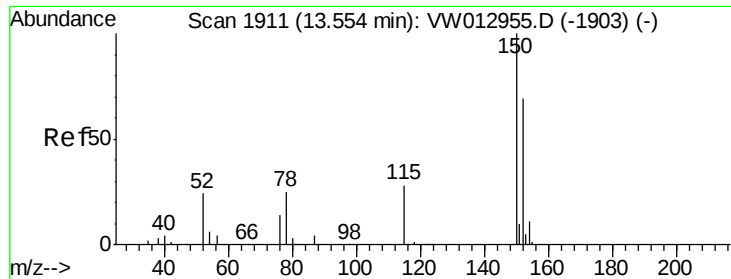
Ion Ratio Lower Upper

117 100

82 56.7 46.3 69.5

119 31.4 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: VW013110.D

Acq: 18 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

PL-02-091619

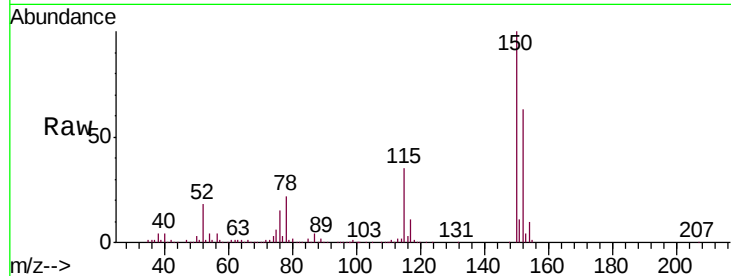
Tgt Ion: 152 Resp: 124234

Ion Ratio Lower Upper

152 100

115 56.5 28.8 86.4

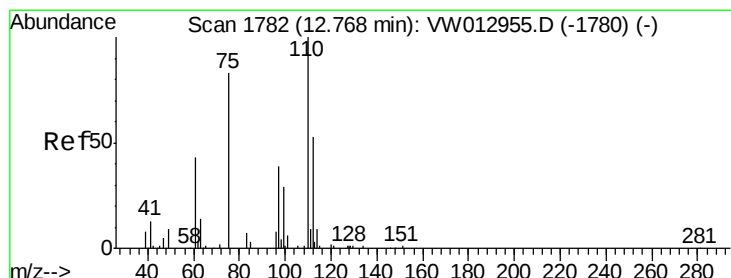
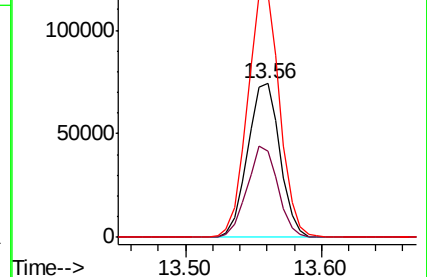
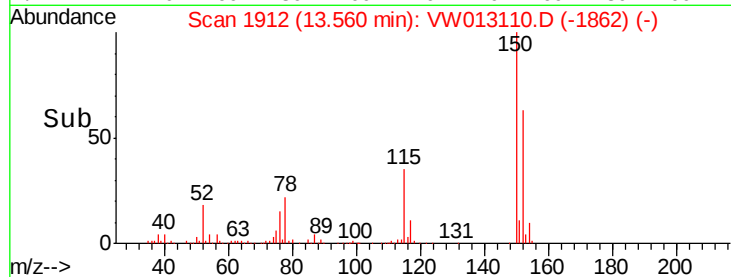
150 158.2 0.0 340.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 61.052 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013110.D

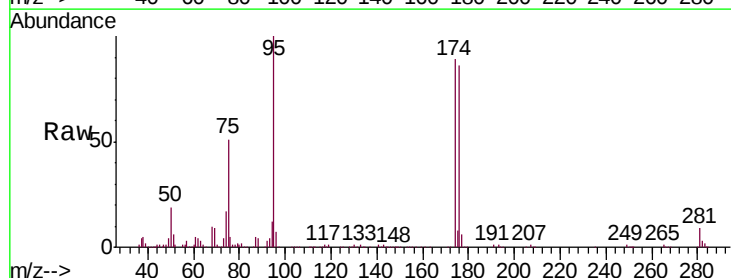
Acq: 18 Sep 2019 13:53

Tgt Ion: 75 Resp: 66436

Ion Ratio Lower Upper

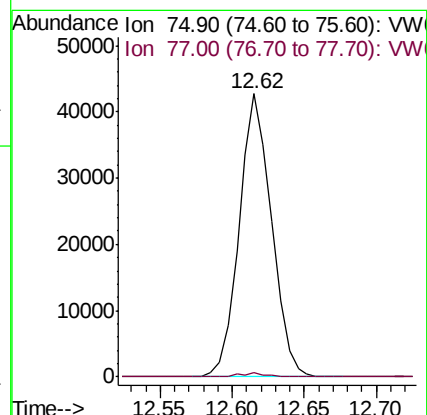
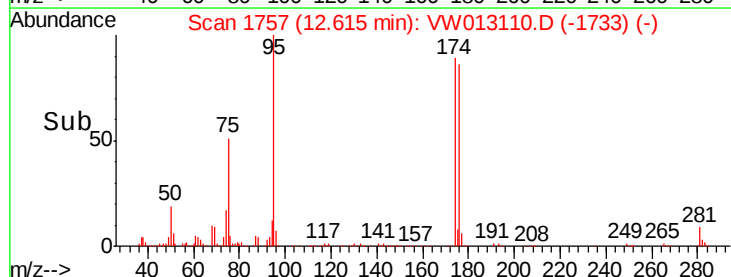
75 100

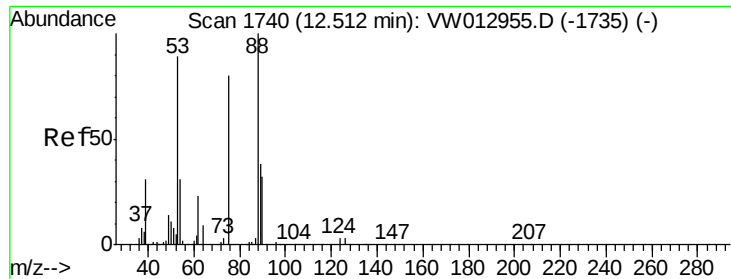
77 1.3 0.0 0.0#



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: 138.495 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013110.D

Acq: 18 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

PL-02-091619

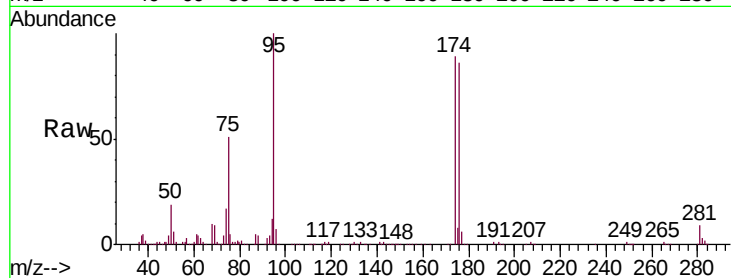
Tgt Ion: 75 Resp: 66436

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

