

Data File : VW013105.D
Acq On : 18 Sep 2019 11:31
Operator : SY/VA
Sample : VW0918SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBL01

Quant Time: Sep 19 07:51:40 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	290433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127335	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
35) Dibromofluoromethane	7.88	113	118428	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
50) Toluene-d8	10.32	98	484672	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
62) 4-Bromofluorobenzene	12.62	95	155999	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	

Target Compounds

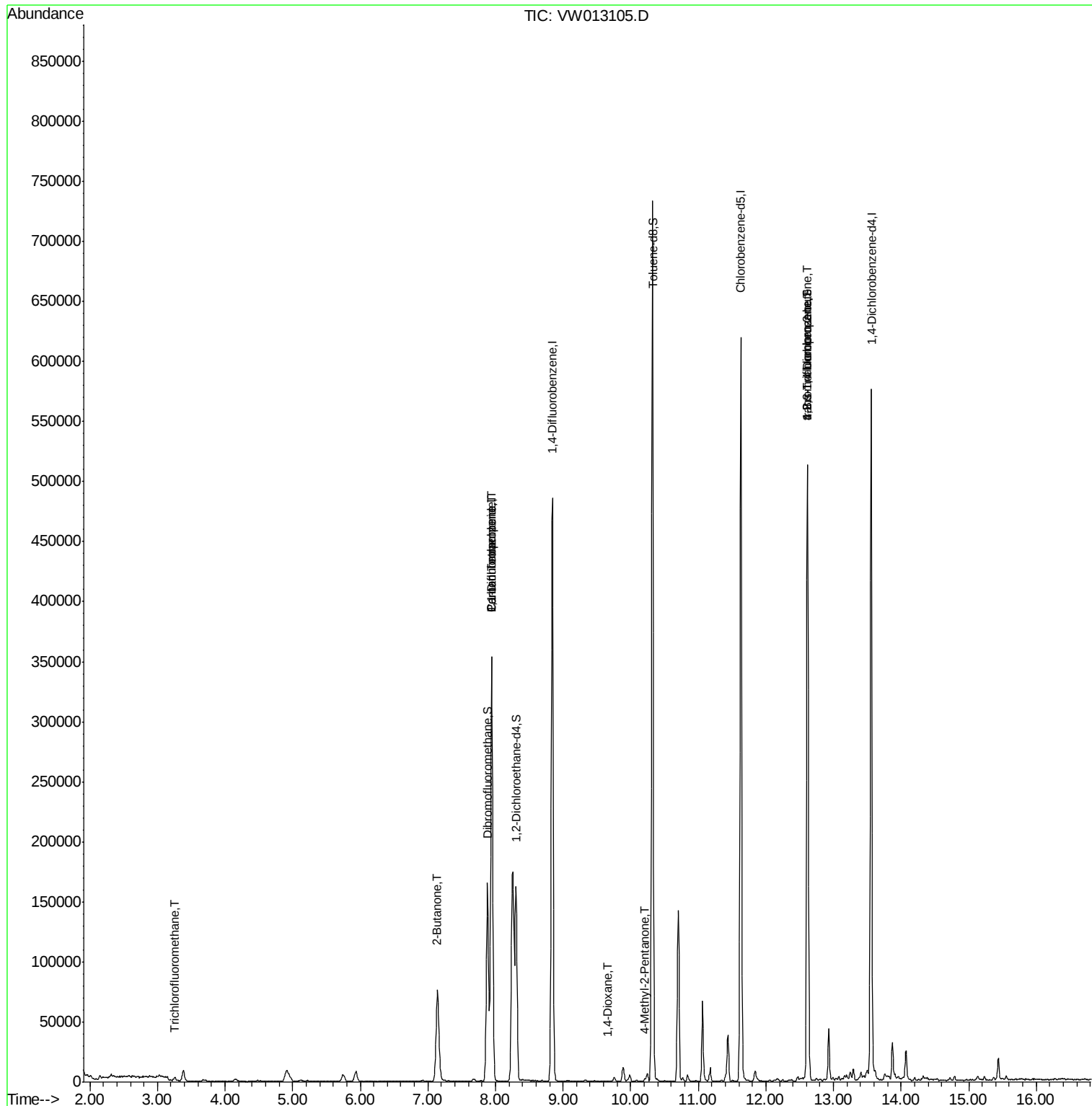
					Qvalue
2) Dichlorodifluoromethane	2.01	85	2634	Below Cal	72
3) Chloromethane	2.21	50	300	Below Cal #	41
7) Trichlorofluoromethane	3.26	101	2650	1.823 ug/l	92
11) Tert butyl alcohol	5.12	59	776	Below Cal #	72
13) Acrolein	3.93	56	49	Below Cal #	1
16) Acetone	4.16	43	4180	Below Cal	97
20) Methylene Chloride	4.90	84	6957	Below Cal	96
25) 2-Butanone	7.14	43	4338	5.086 ug/l #	86
26) 2,2-Dichloropropane	7.14	77	5743	Below Cal #	55
31) Cyclohexane	7.95	56	5191	Below Cal #	1
36) 1,1-Dichloropropene	7.95	75	19340	5.735 ug/l #	51
38) Carbon Tetrachloride	7.95	117	24639	7.130 ug/l #	16
49) 1,4-Dioxane	9.66	88	28	1.394 ug/l #	20
51) 4-Methyl-2-Pentanone	10.21	43	1800	1.014 ug/l #	67
76) 1,2,3-Trichloropropane	12.62	75	76885	53.448 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76885	121.247 ug/l #	7

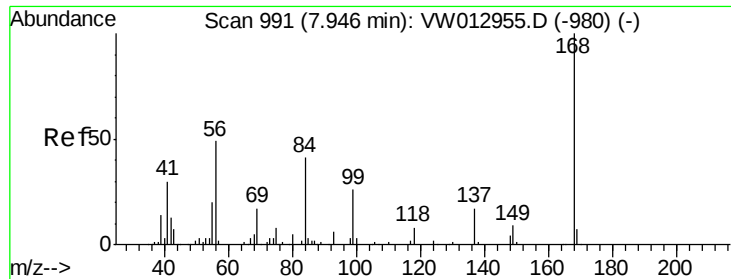
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013105.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

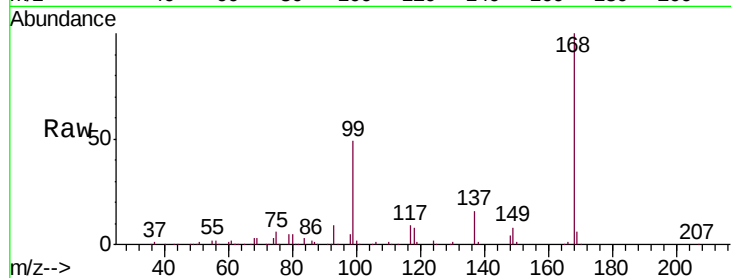
VW0918SBL01

Tgt Ion:168 Resp: 290433

Ion Ratio Lower Upper

168 100

99 49.2 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

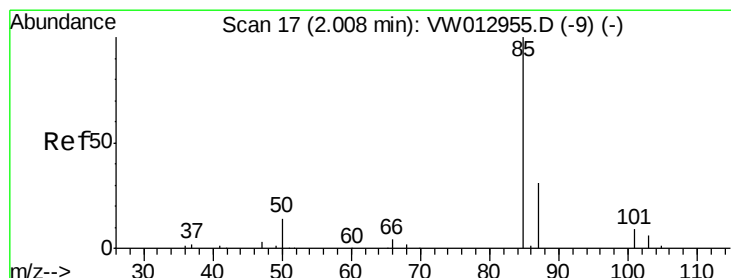
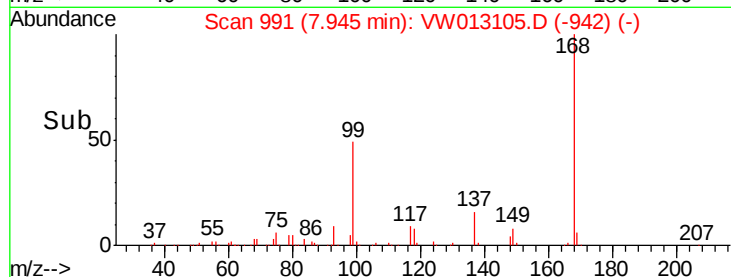
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013105.D

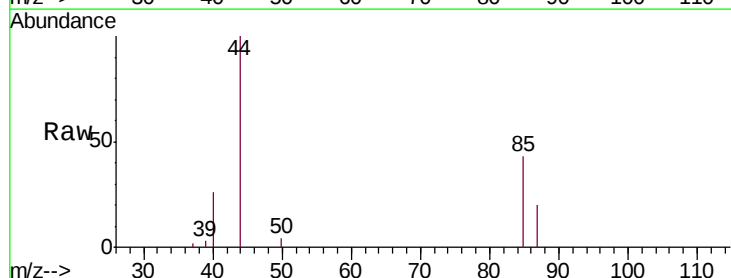
Acq: 18 Sep 2019 11:31

Tgt Ion: 85 Resp: 2634

Ion Ratio Lower Upper

85 100

87 46.2 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

1200

1000

800

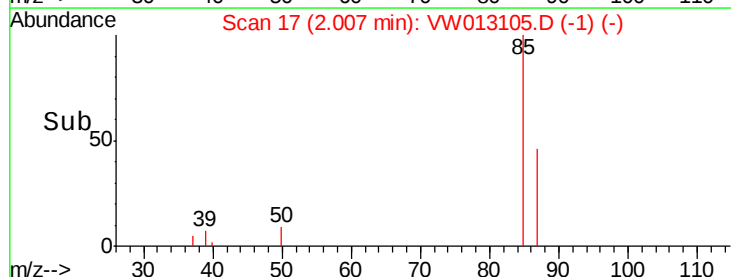
600

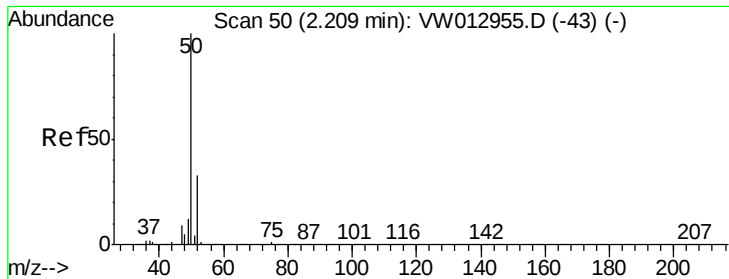
400

200

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013105.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

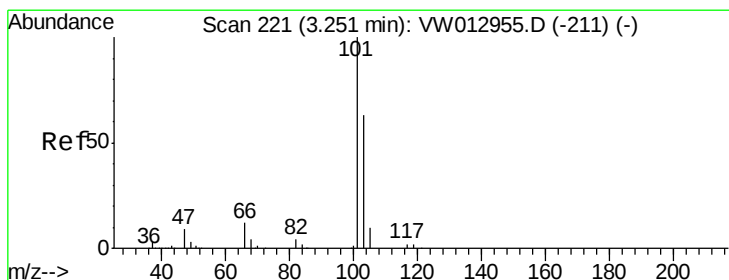
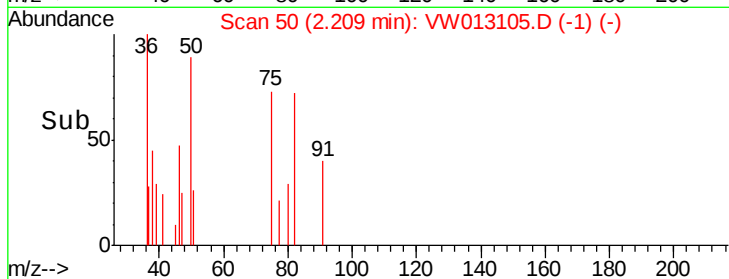
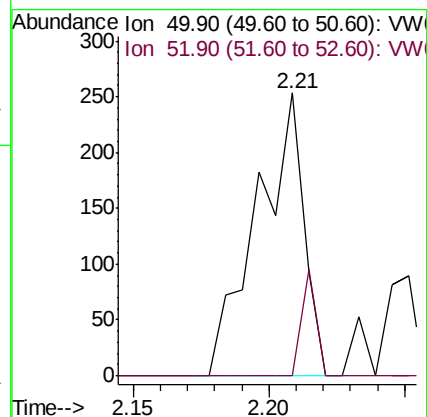
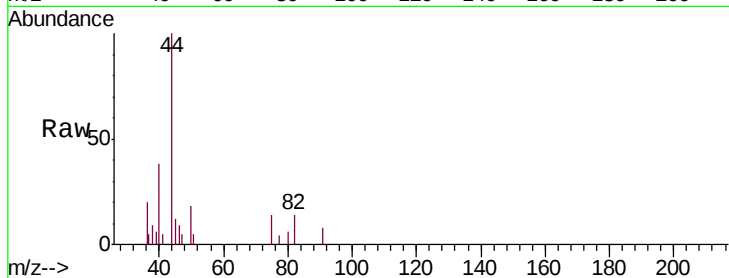
VW0918SBL01

Tgt Ion: 50 Resp: 300

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#7

Trichlorofluoromethane

Concen: 1.823 ug/l

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW013105.D

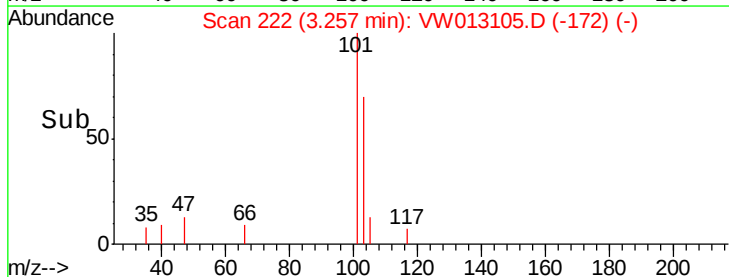
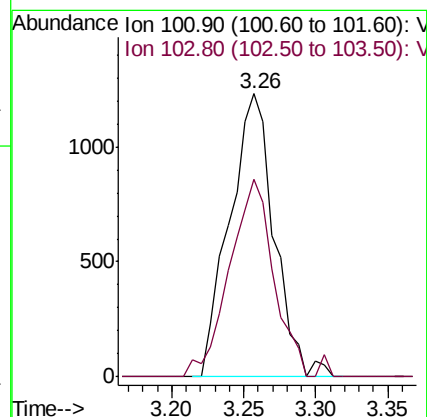
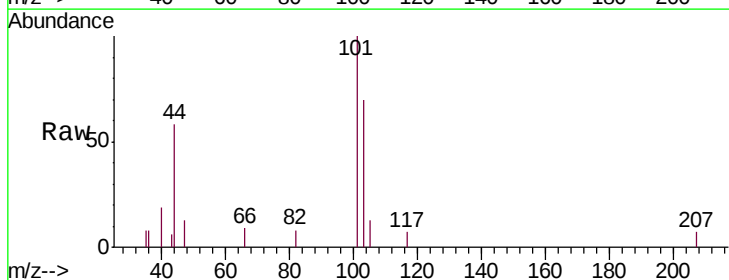
Acq: 18 Sep 2019 11:31

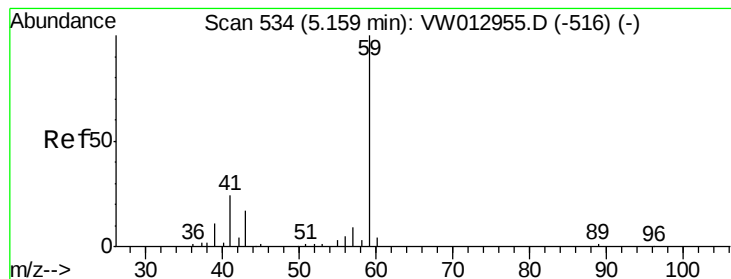
Tgt Ion: 101 Resp: 2650

Ion Ratio Lower Upper

101 100

103 70.0 50.7 76.1



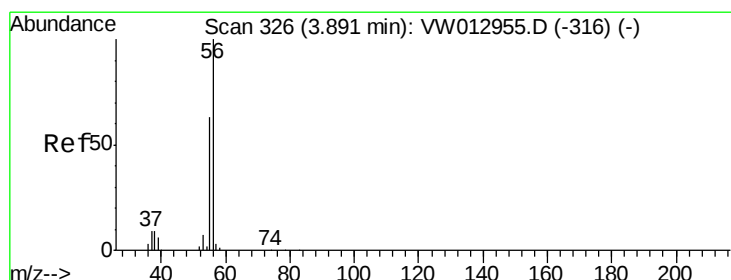
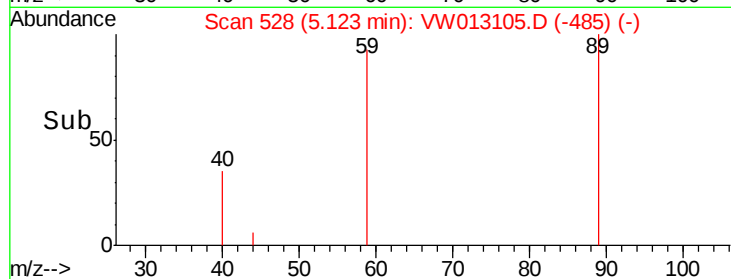
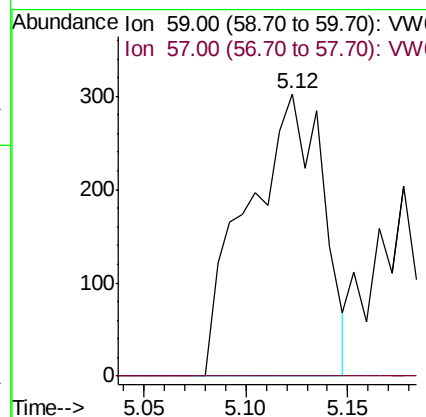
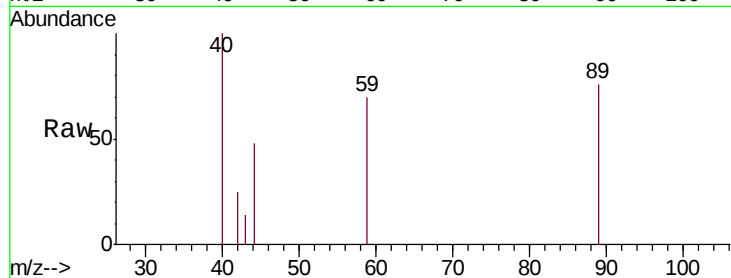


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.12 min Scan# 528
 Delta R.T. -0.04 min
 Lab File: VW013105.D
 Acq: 18 Sep 2019 11:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBL01

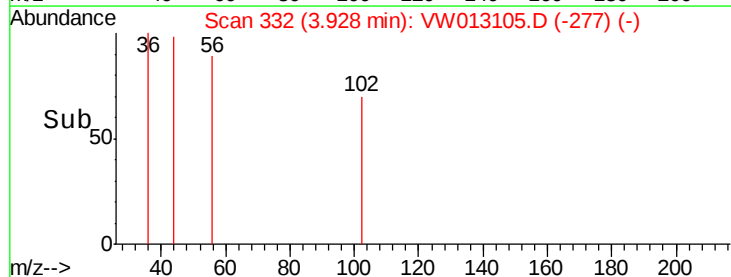
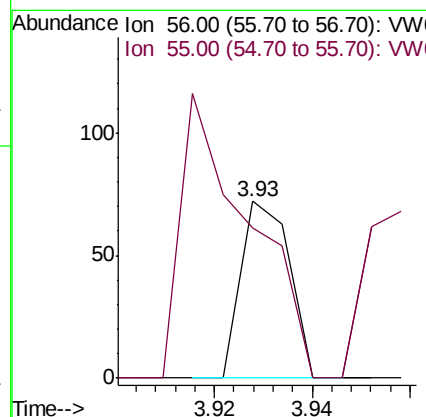
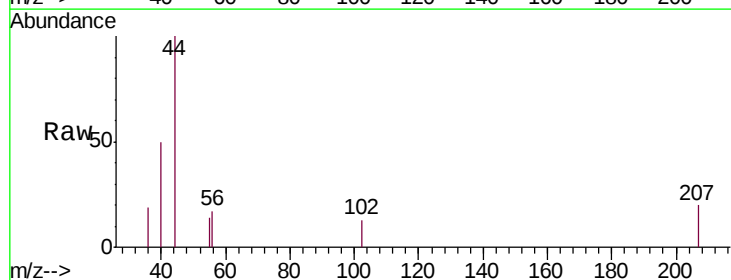
Tgt Ion: 59 Resp: 776
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

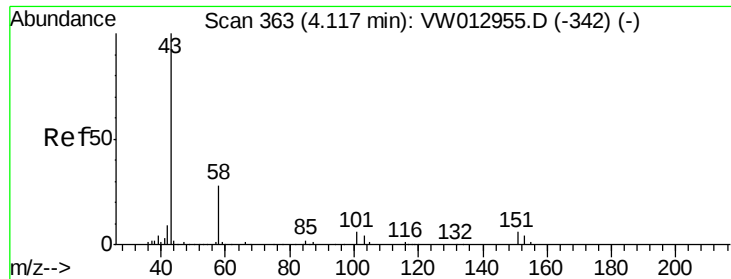


#13

Acrolein
 Concen: Below Cal
 RT: 3.93 min Scan# 332
 Delta R.T. 0.04 min
 Lab File: VW013105.D
 Acq: 18 Sep 2019 11:31

Tgt Ion: 56 Resp: 49
 Ion Ratio Lower Upper
 56 100
 55 228.6 55.8 83.8#

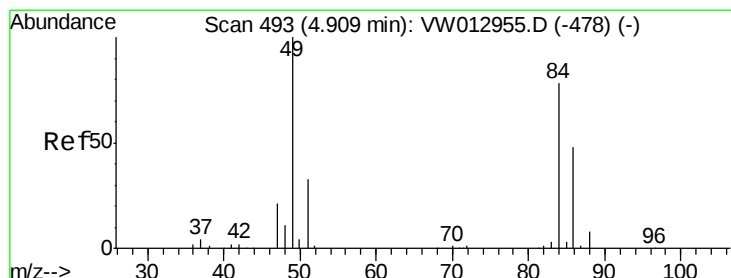
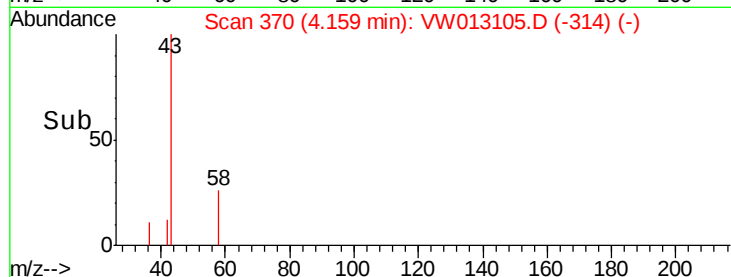
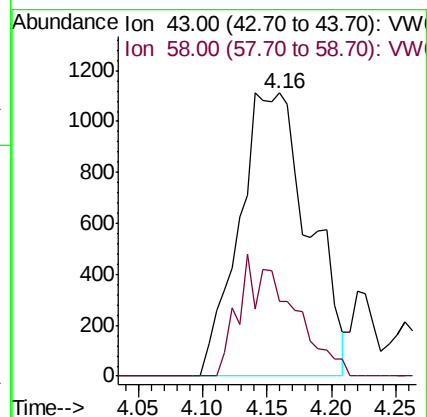
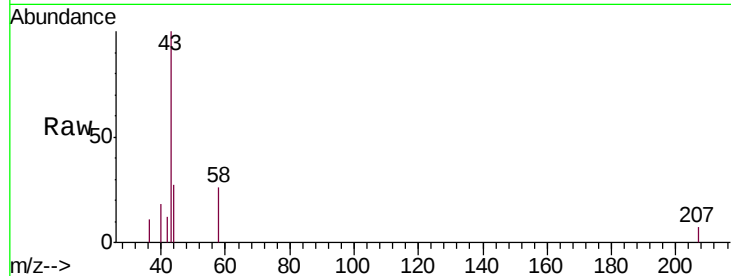




#16
Acetone
Concen: Below Cal
RT: 4.16 min Scan# 370
Delta R.T. 0.04 min
Lab File: VW013105.D
Acq: 18 Sep 2019 11:31

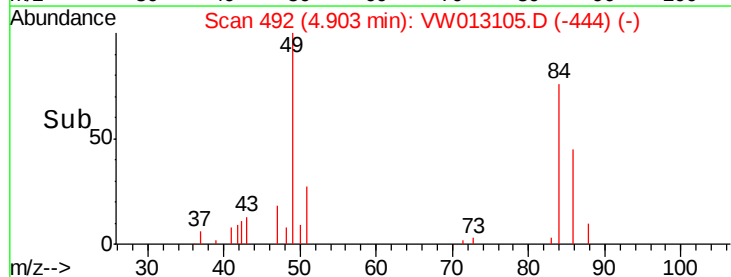
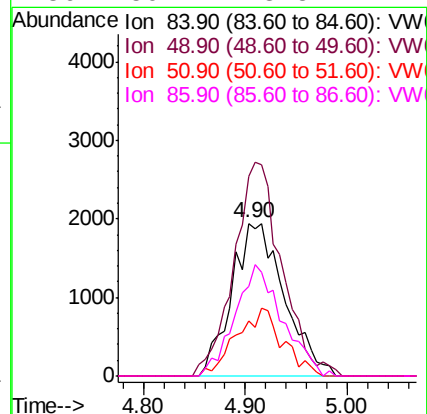
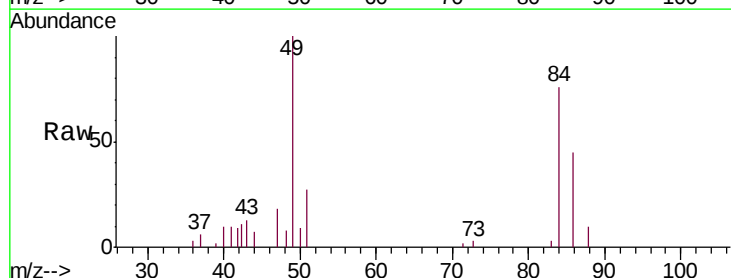
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBL01

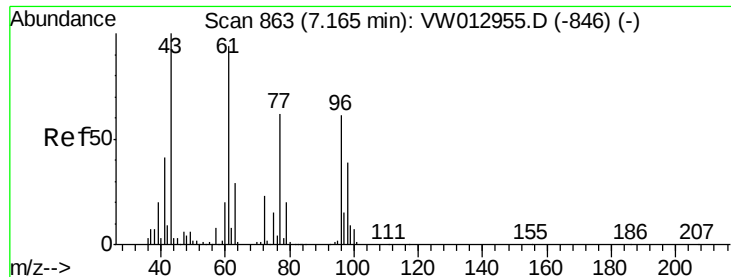
Tgt Ion: 43 Resp: 4180
Ion Ratio Lower Upper
43 100
58 26.3 22.3 33.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013105.D
Acq: 18 Sep 2019 11:31

Tgt Ion: 84 Resp: 6957
Ion Ratio Lower Upper
84 100
49 131.0 102.0 153.0
51 35.9 34.0 51.0
86 59.1 48.5 72.7





#25

2-Butanone

Concen: 5.086 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013105.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

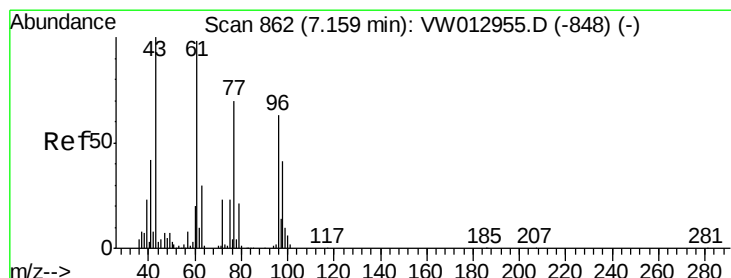
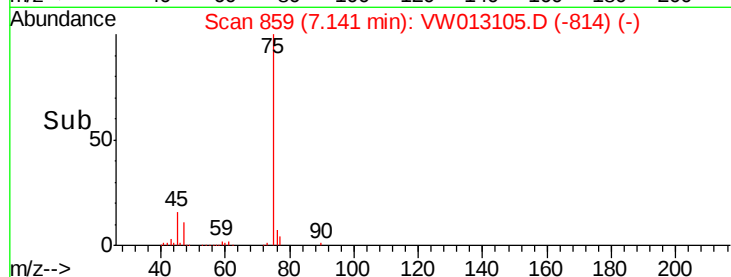
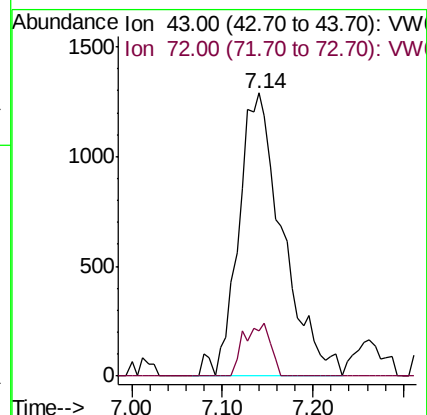
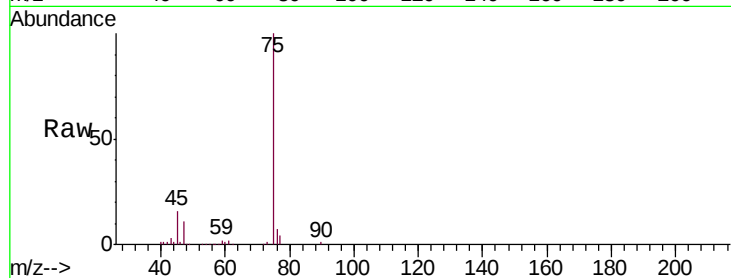
VW0918SBL01

Tgt Ion: 43 Resp: 4338

Ion Ratio Lower Upper

43 100

72 16.0 18.2 27.4#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013105.D

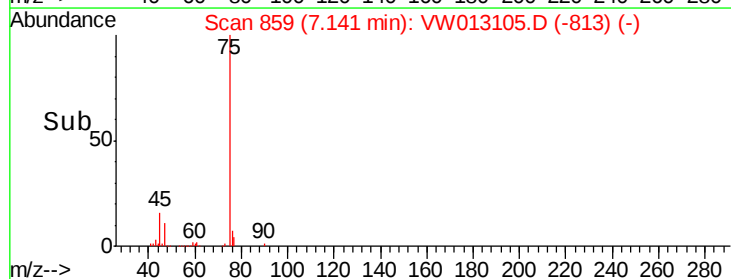
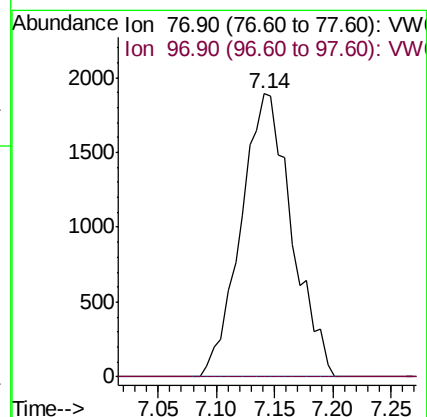
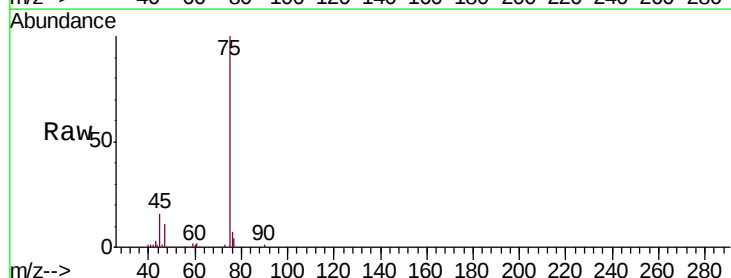
Acq: 18 Sep 2019 11:31

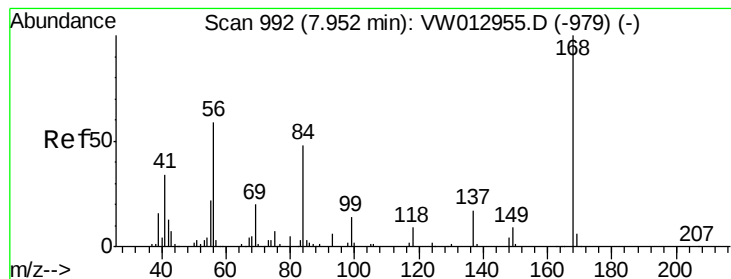
Tgt Ion: 77 Resp: 5743

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: VW013105.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBL01

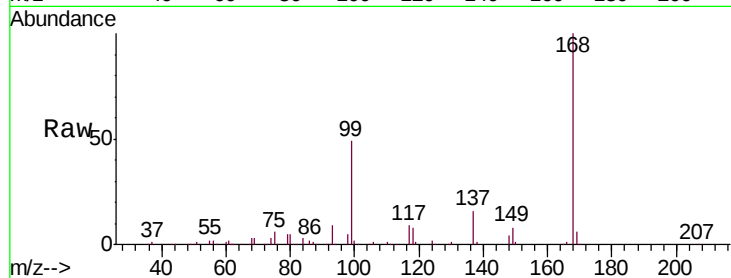
Tgt Ion: 56 Resp: 5191

Ion Ratio Lower Upper

56 100

69 174.5 27.0 40.6#

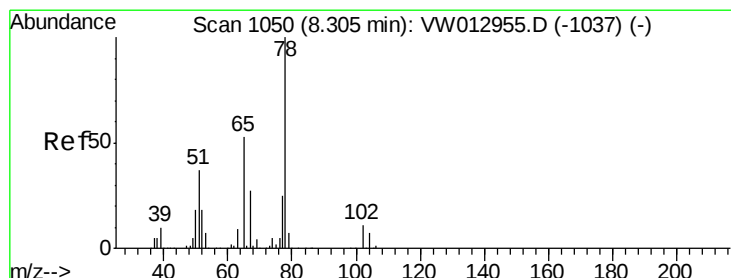
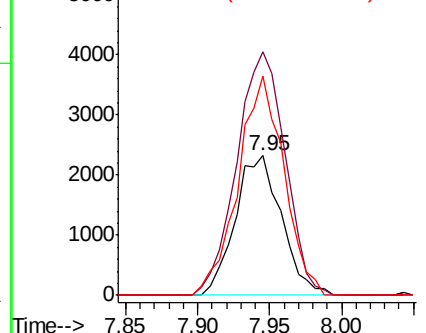
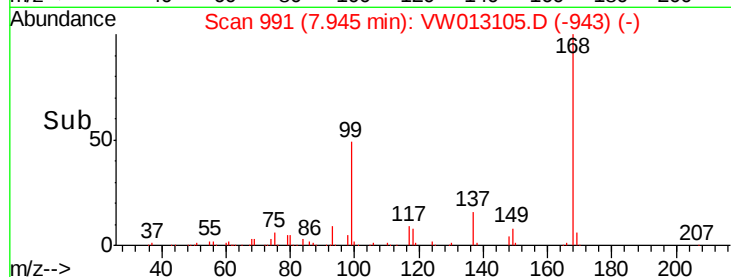
84 157.2 66.2 99.2#



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: 47.471 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013105.D

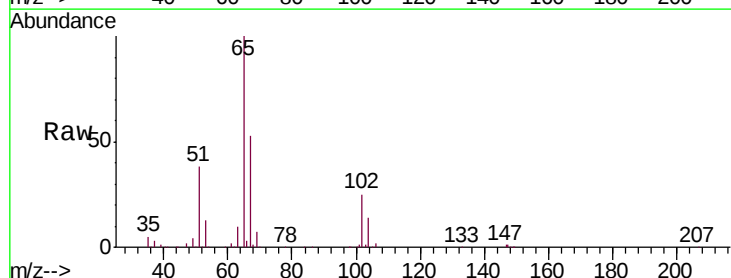
Acq: 18 Sep 2019 11:31

Tgt Ion: 65 Resp: 127335

Ion Ratio Lower Upper

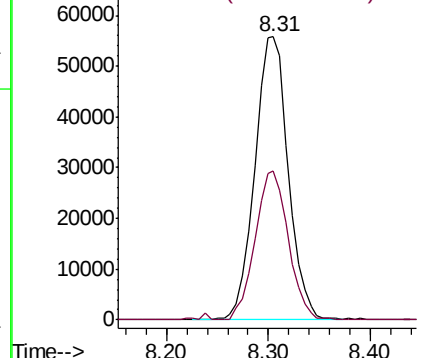
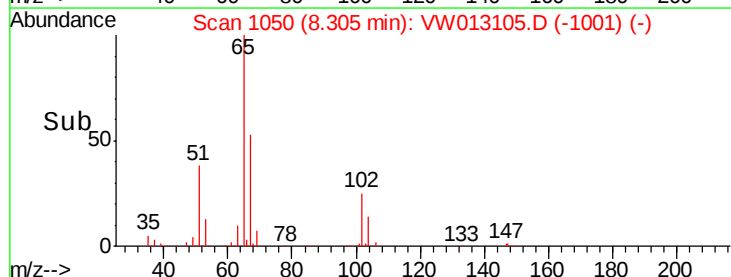
65 100

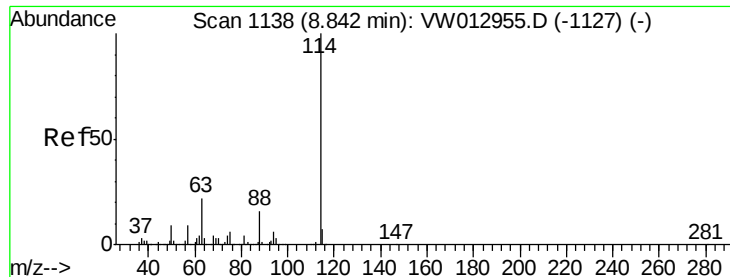
67 52.3 0.0 101.2



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: VW013105.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_W

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VW0918SBL01

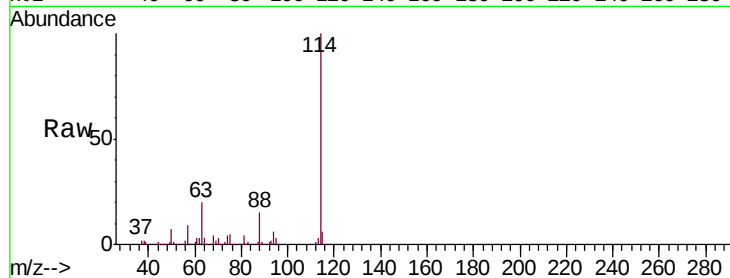
Tgt Ion:114 Resp: 422019

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.4

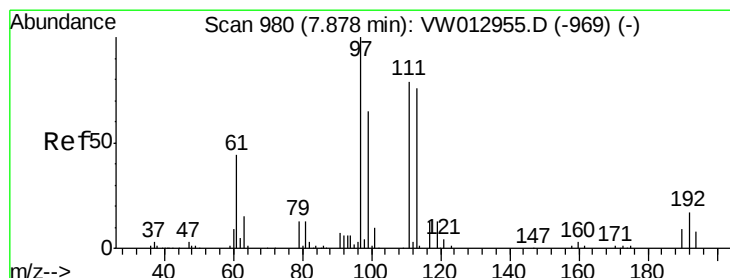
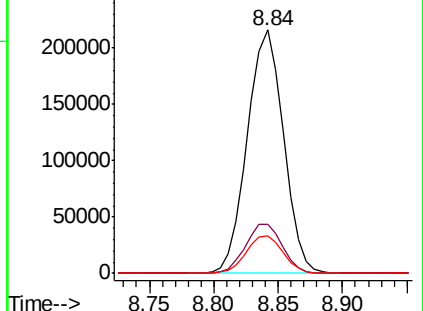
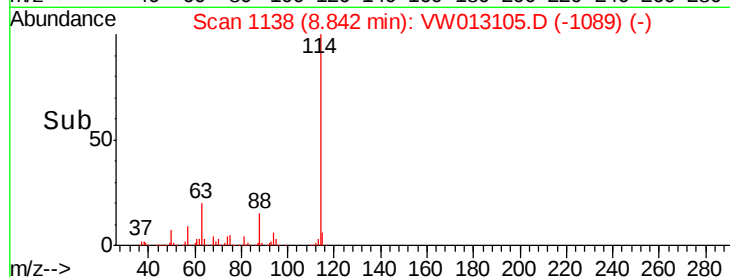
88 15.5 0.0 31.6



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: 51.717 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013105.D

Acq: 18 Sep 2019 11:31

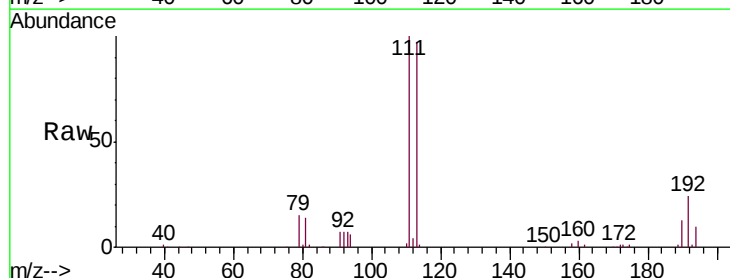
Tgt Ion:113 Resp: 118428

Ion Ratio Lower Upper

113 100

111 105.1 82.8 124.2

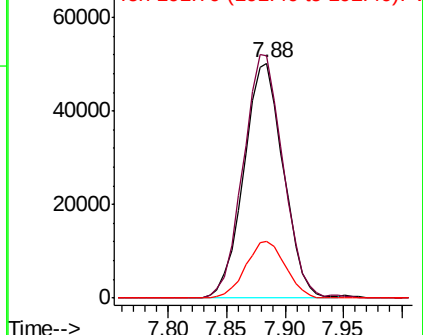
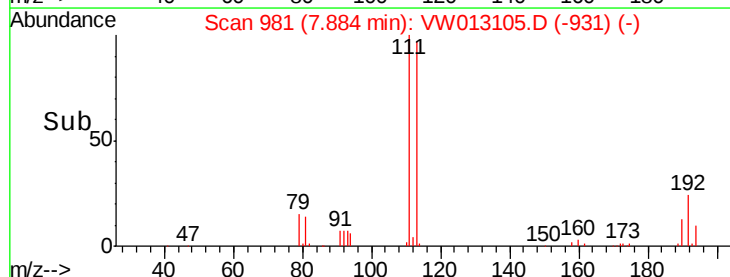
192 24.5 17.8 26.8

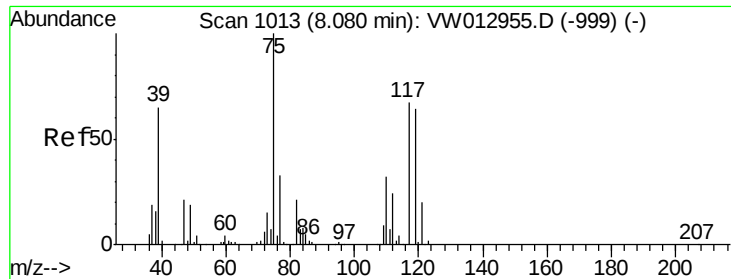


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

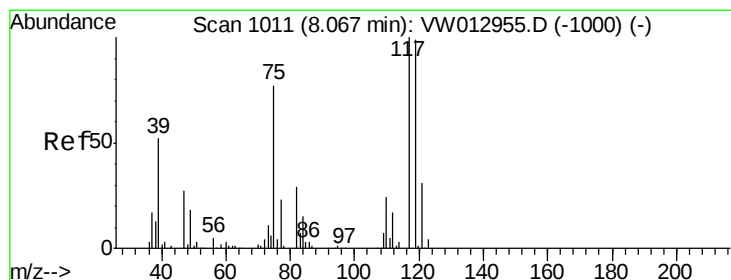
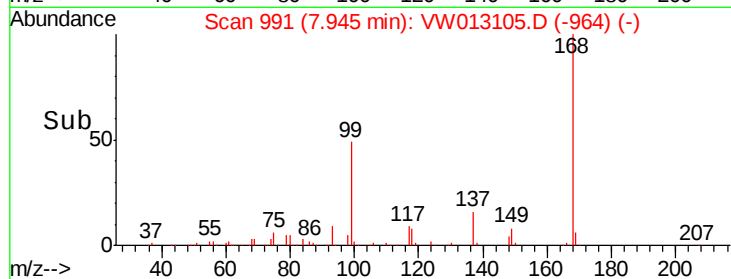
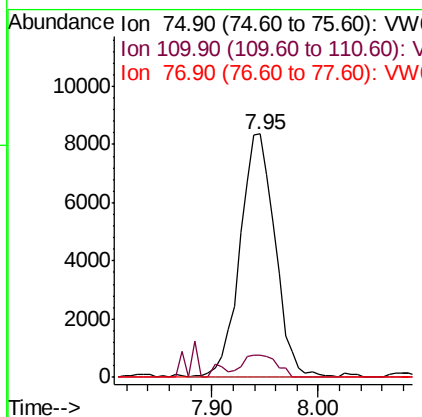
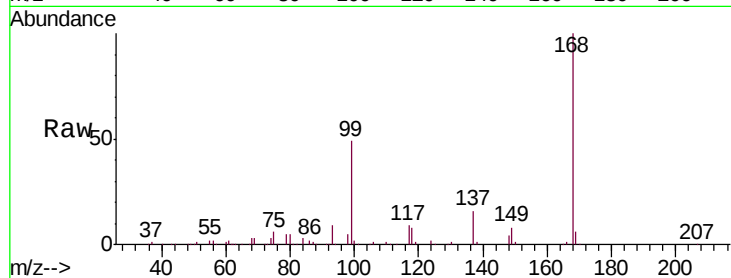




#36
 1,1-Dichloropropene
 Concen: 5.735 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013105.D
 Acq: 18 Sep 2019 11:31

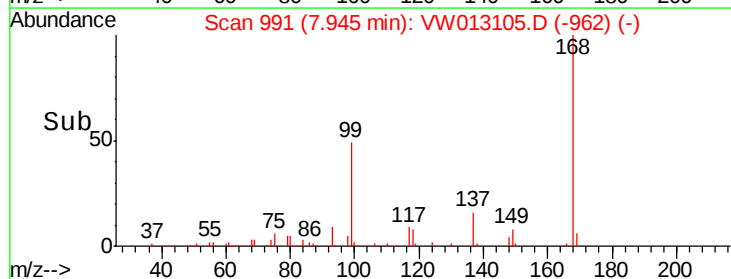
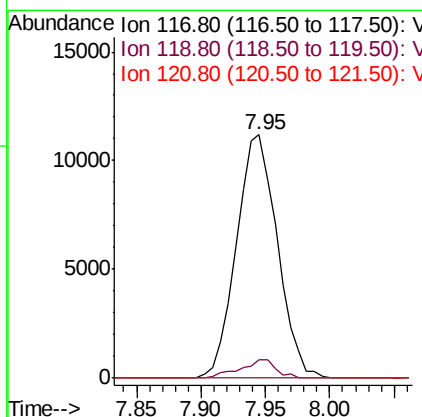
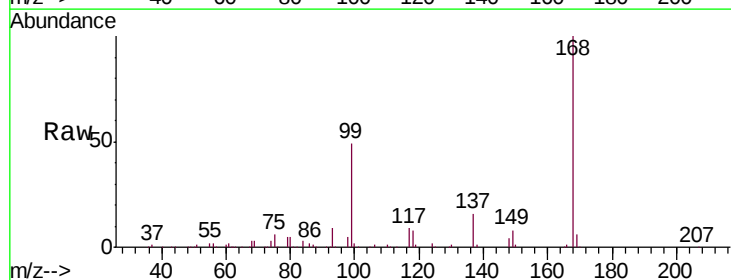
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBL01

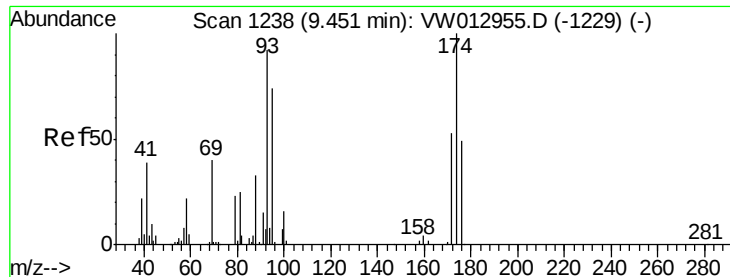
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.4	49.1#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 7.130 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013105.D
 Acq: 18 Sep 2019 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.4	79.4	119.0#
121	0.0	24.6	36.8#





#49

1,4-Dioxane

Concen: 1.394 ug/l

RT: 9.66 min Scan# 1273

Delta R.T. 0.21 min

Lab File: VW013105.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBL01

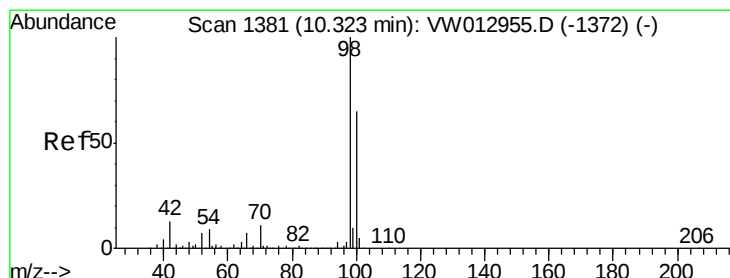
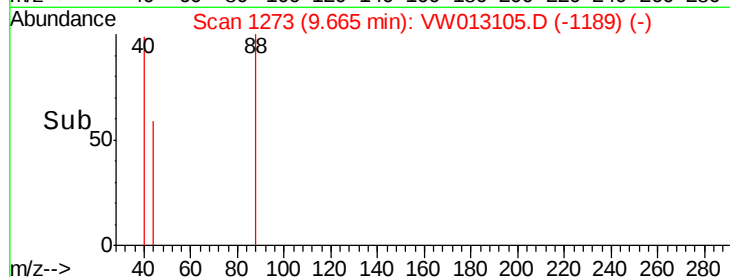
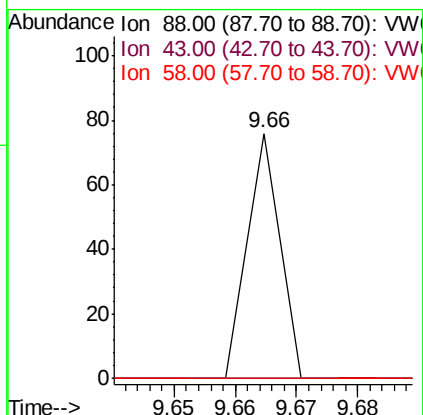
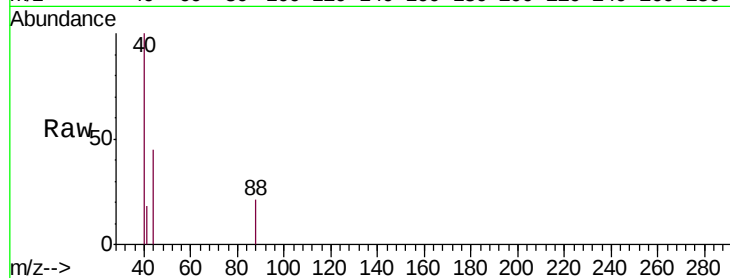
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

58 0.0 60.2 90.2#



#50

Toluene-d8

Concen: 54.088 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013105.D

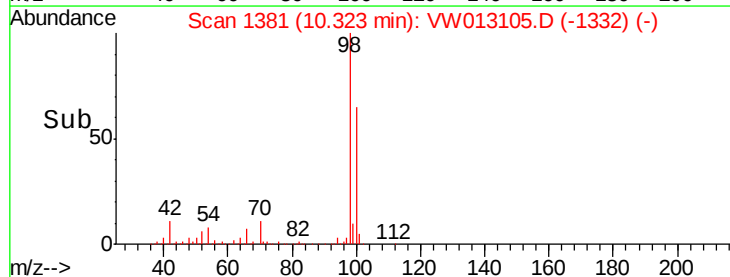
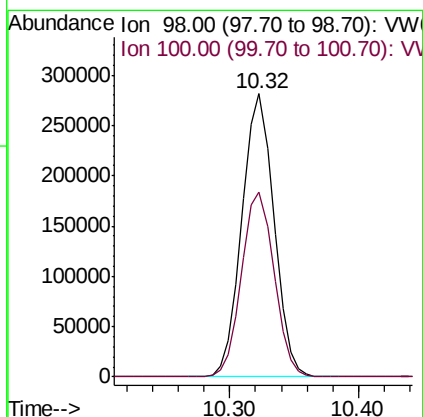
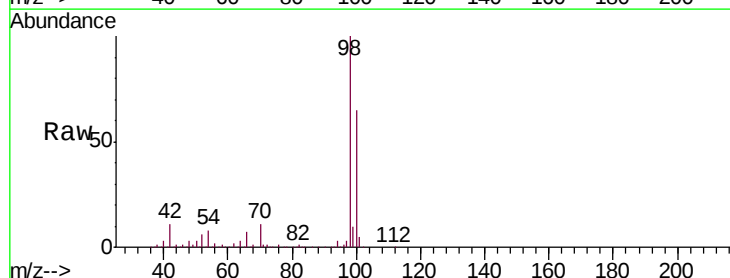
Acq: 18 Sep 2019 11:31

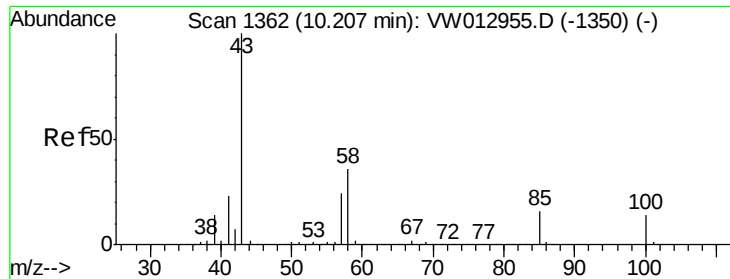
Tgt Ion: 98 Resp: 484672

Ion Ratio Lower Upper

98 100

100 66.4 52.1 78.1

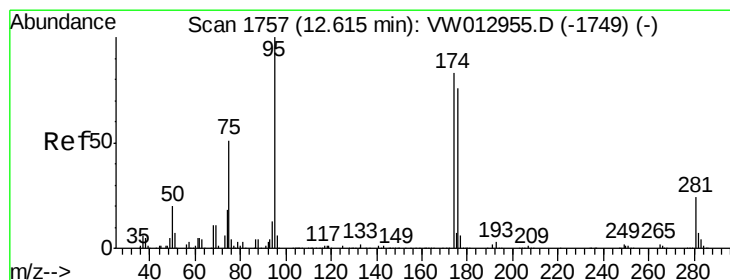
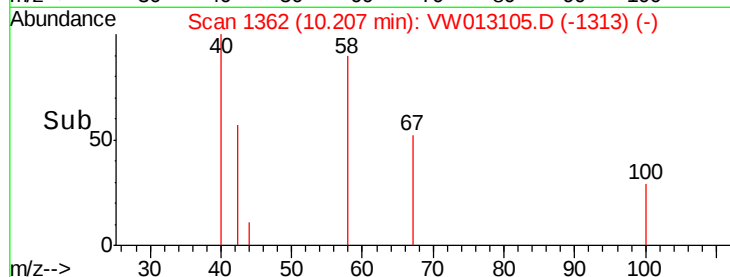
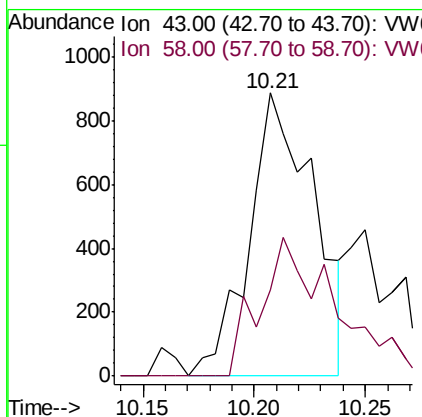
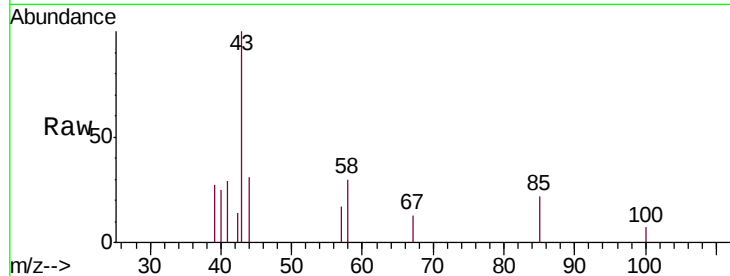




#51
 4-Methyl-2-Pentanone
 Concen: 1.014 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013105.D
 Acq: 18 Sep 2019 11:31

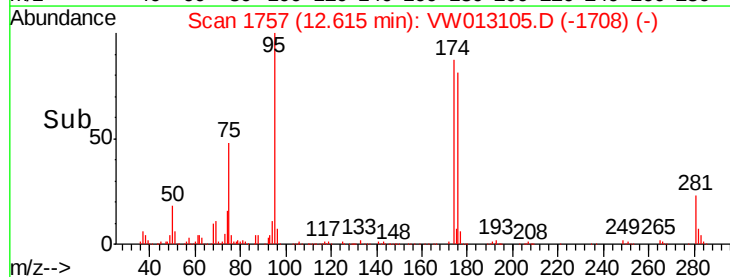
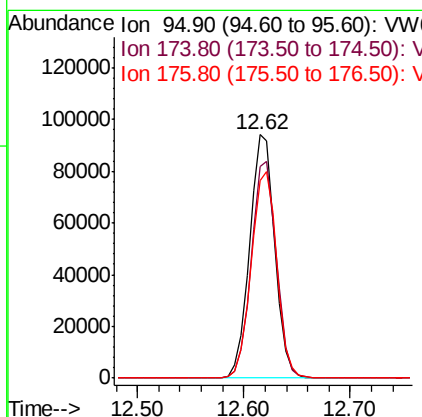
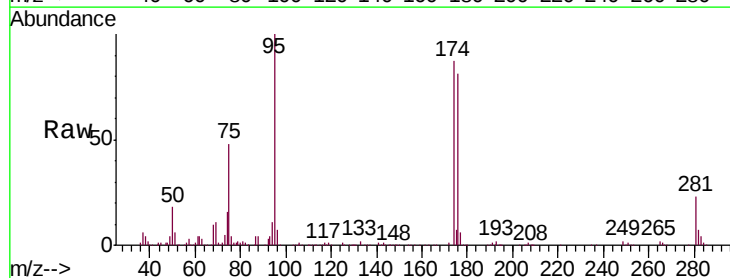
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBL01

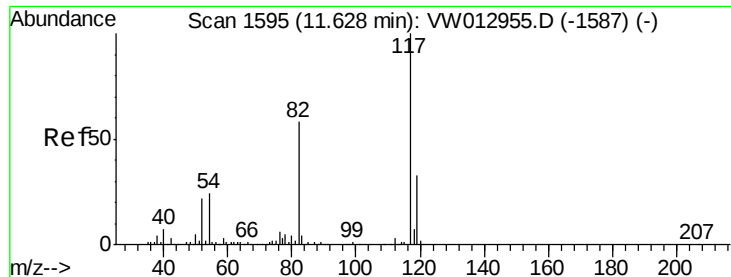
Tgt Ion: 43 Resp: 1800
 Ion Ratio Lower Upper
 43 100
 58 56.7 29.5 44.3#



#62
 4-Bromofluorobenzene
 Concen: 48.416 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013105.D
 Acq: 18 Sep 2019 11:31

Tgt Ion: 95 Resp: 155999
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 170.4
 176 86.5 0.0 164.6

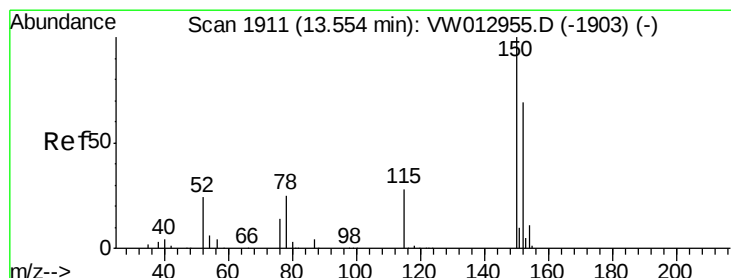
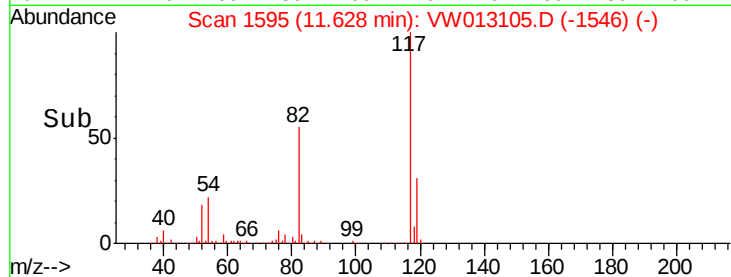
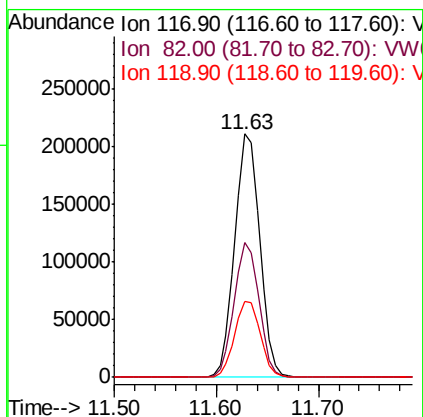
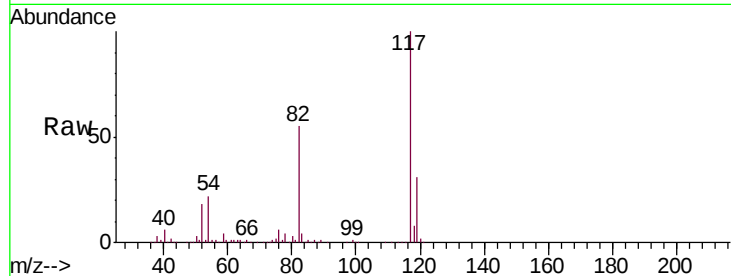




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013105.D
Acq: 18 Sep 2019 11:31

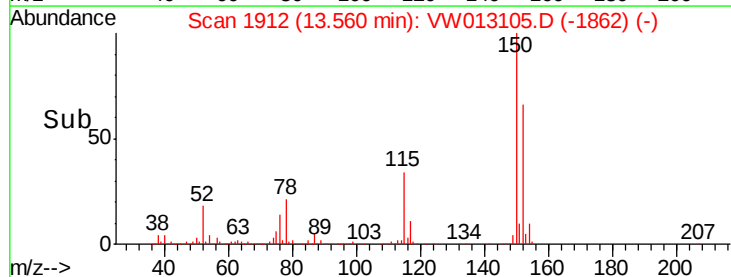
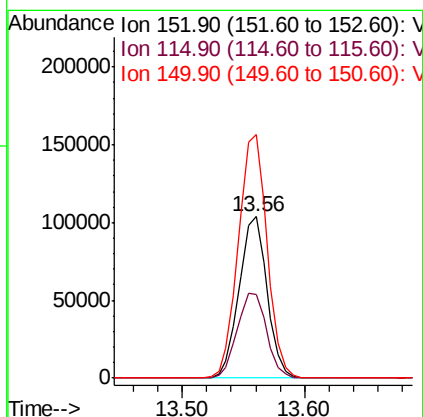
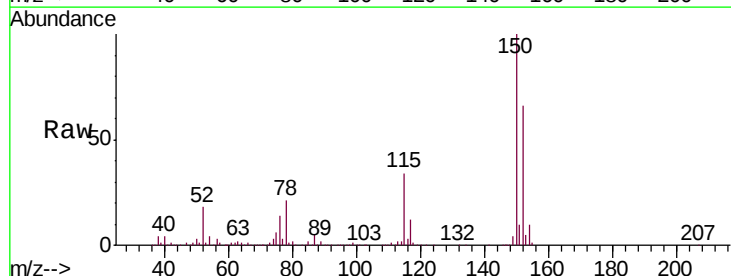
Instrument :
MSVOA_W
ClientSampled :
VW0918SBL01

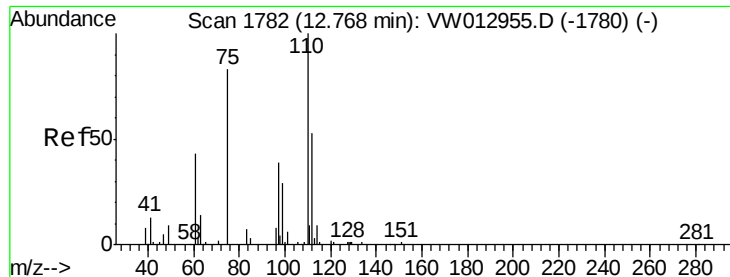
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	46.3	69.5
119	31.1	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013105.D
Acq: 18 Sep 2019 11:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.8	86.4
150	154.8	0.0	340.2

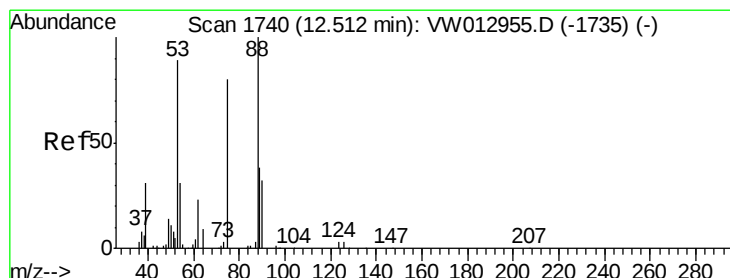
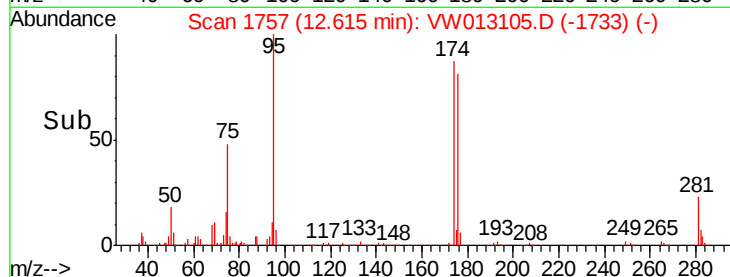
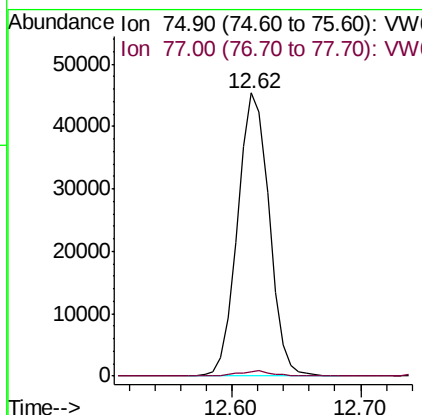
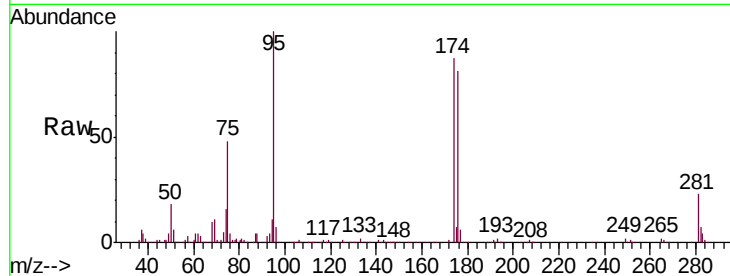




#76
 1,2,3-Trichloropropane
 Concen: 53.448 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013105.D
 Acq: 18 Sep 2019 11:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBL01

Tgt Ion: 75 Resp: 76885
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.247 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013105.D
 Acq: 18 Sep 2019 11:31

Tgt Ion: 75 Resp: 76885
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.6 128.4#
 89 0.0 37.2 55.8#

