

Data File : VW011151.D
Acq On : 03 Jul 2019 20:18
Operator : SY/VA
Sample : K3624-07
Misc : 5.49G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PL-01-070319-D

Quant Time: Jul 04 03:54:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	198591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	336682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	135249	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	7.88	113	101572	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	10.32	98	411016	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.62	95	123595	39.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.86%	

Target Compounds

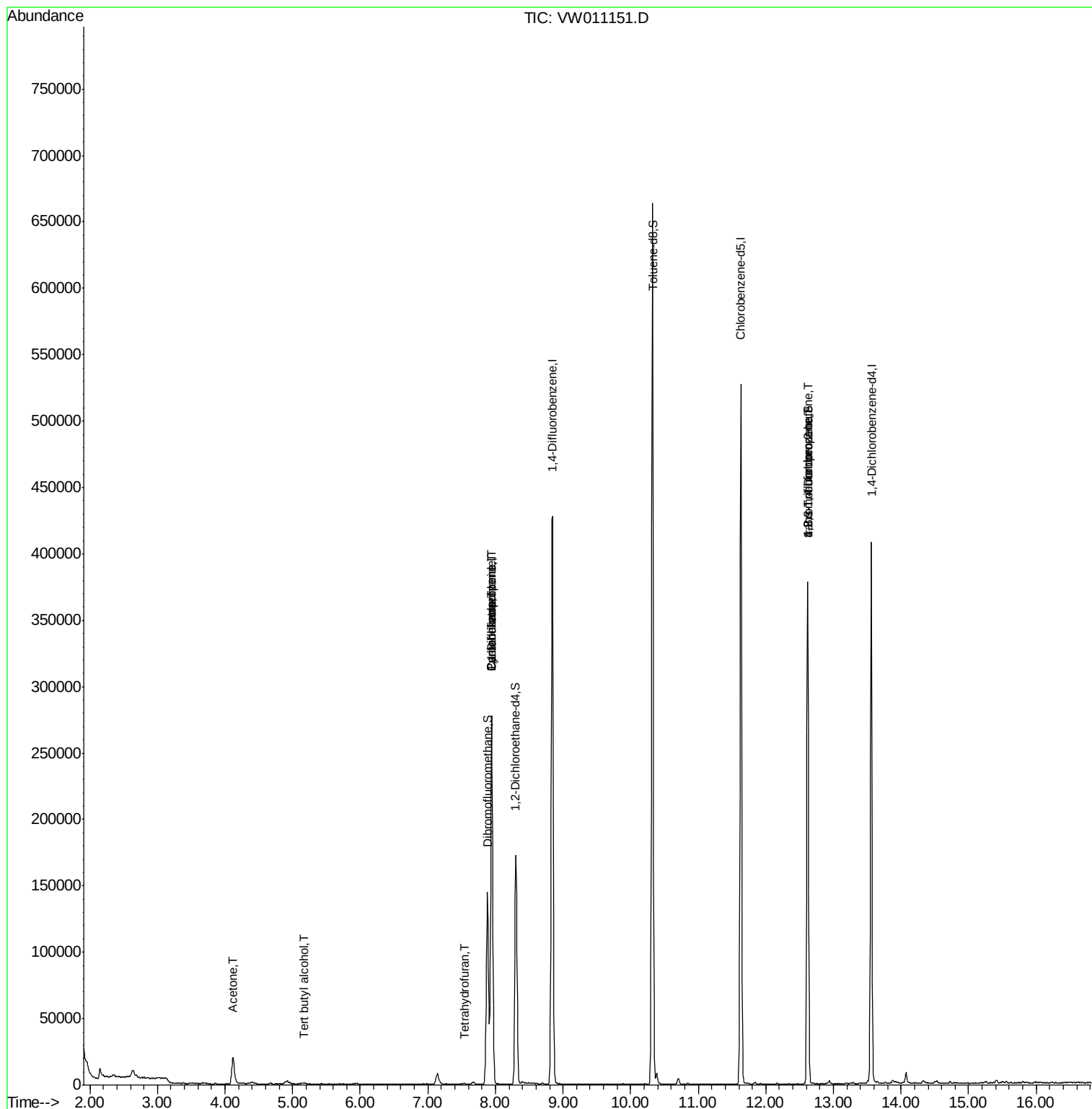
						Qvalue
11) Tert butyl alcohol	5.17	59	1290	6.842	ug/l	98
16) Acetone	4.12	43	39222	61.894	ug/l	90
29) Tetrahydrofuran	7.54	42	700	1.167	ug/l #	86
31) Cyclohexane	7.94	56	5105	1.028	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17478	4.830	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20264	6.800	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	67114	65.047	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67114	131.150	ug/l #	3

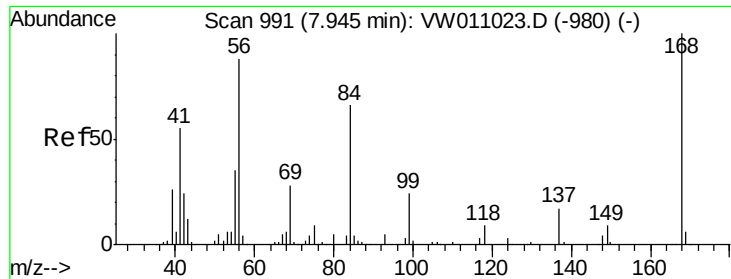
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011151.D

Acq: 03 Jul 2019 20:18

Instrument :

MSVOA_W

ClientSampleId :

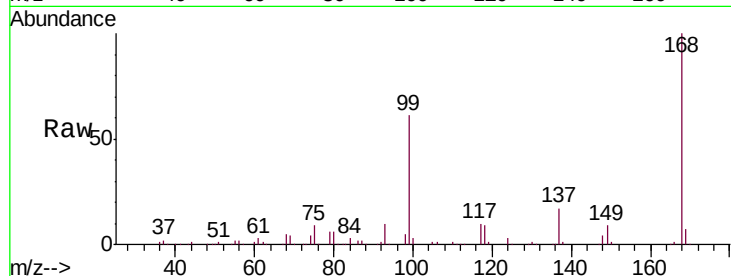
PL-01-070319-D

Tgt Ion: 168 Resp: 198591

Ion Ratio Lower Upper

168 100

99 61.2 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

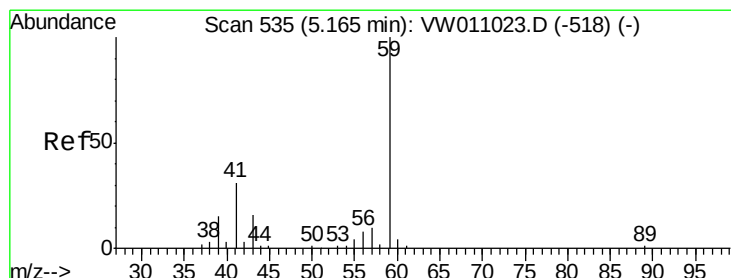
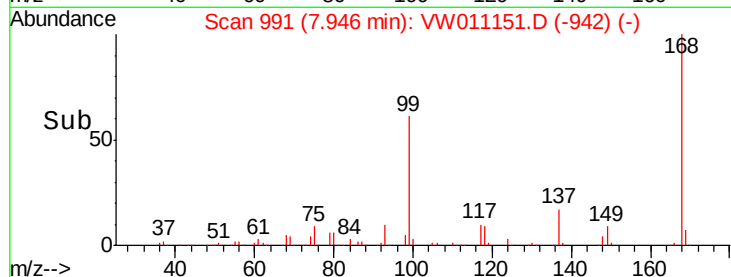
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 6.842 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW011151.D

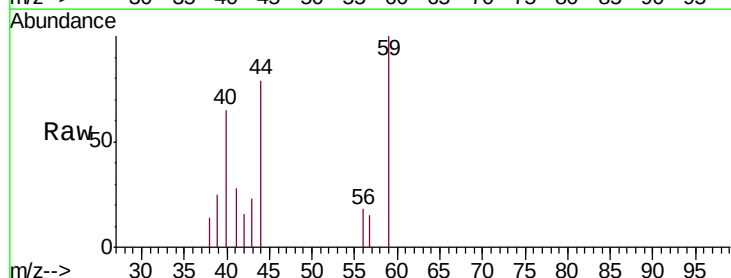
Acq: 03 Jul 2019 20:18

Tgt Ion: 59 Resp: 1290

Ion Ratio Lower Upper

59 100

57 10.4 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

400

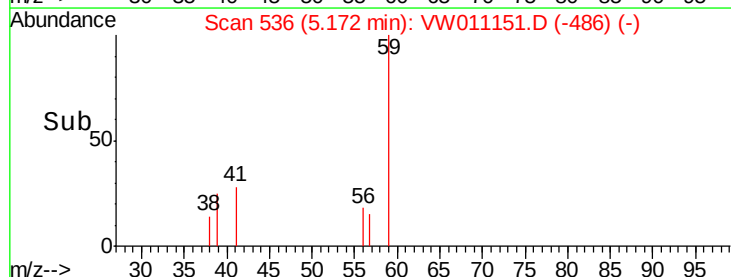
300

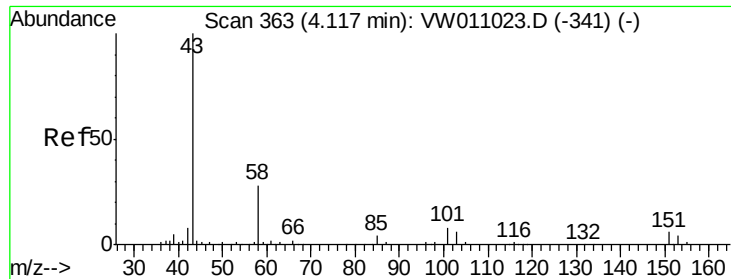
200

100

0

Time-->





#16

Acetone

Concen: 61.894 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011151.D

Acq: 03 Jul 2019 20:18

Instrument :

MSVOA_W

ClientSampleId :

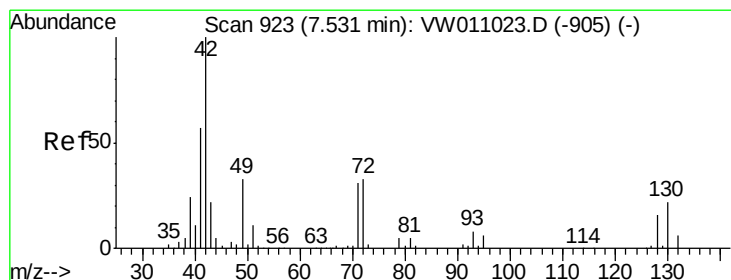
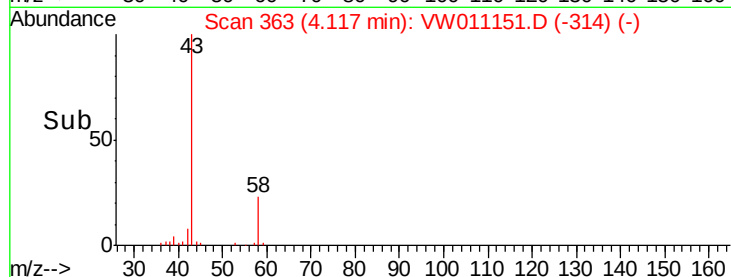
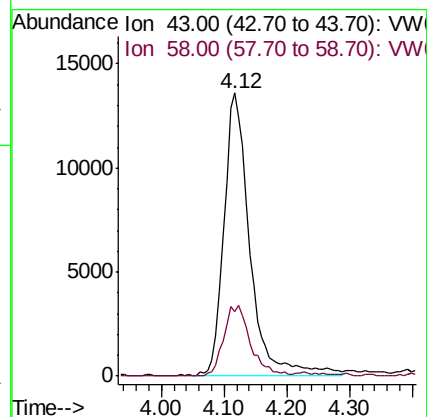
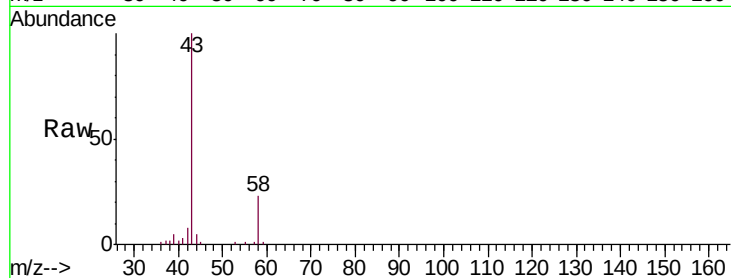
PL-01-070319-D

Tgt Ion: 43 Resp: 39222

Ion Ratio Lower Upper

43 100

58 22.9 22.5 33.7



#29

Tetrahydrofuran

Concen: 1.167 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011151.D

Acq: 03 Jul 2019 20:18

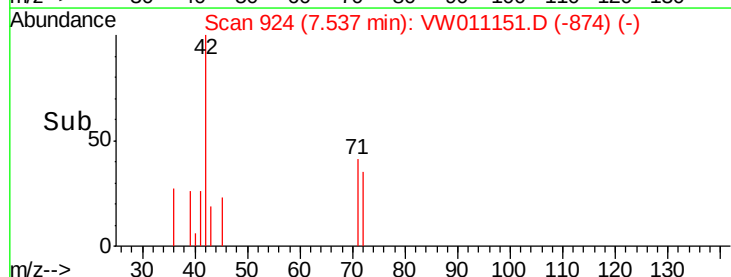
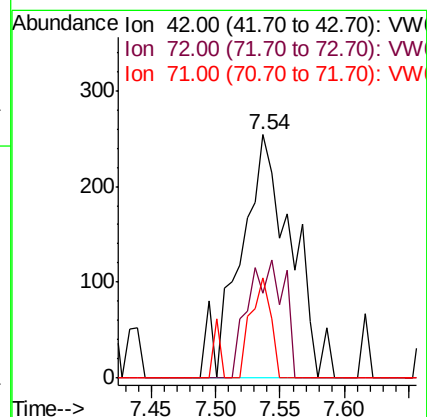
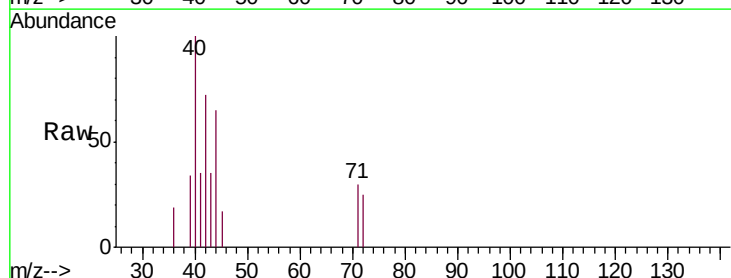
Tgt Ion: 42 Resp: 700

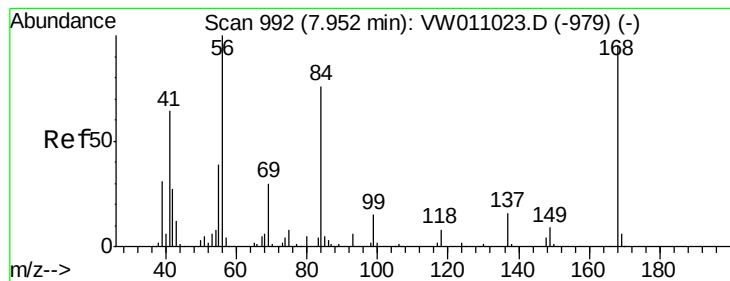
Ion Ratio Lower Upper

42 100

72 33.9 27.4 41.0

71 15.9 25.6 38.4#





#31

Cyclohexane

Concen: 1.028 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011151.D

Acq: 03 Jul 2019 20:18

Instrument :

MSVOA_W

ClientSampleId :

PL-01-070319-D

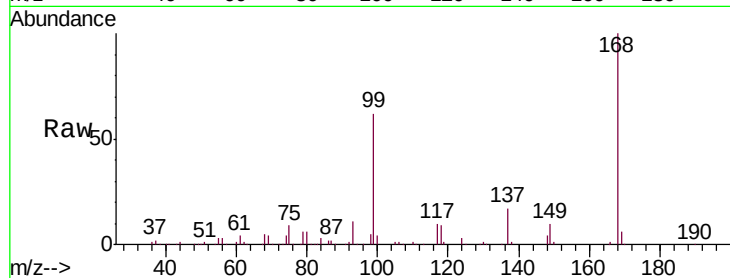
Tgt Ion: 56 Resp: 5105

Ion Ratio Lower Upper

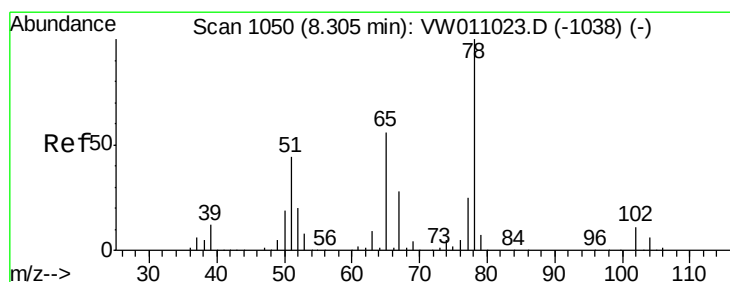
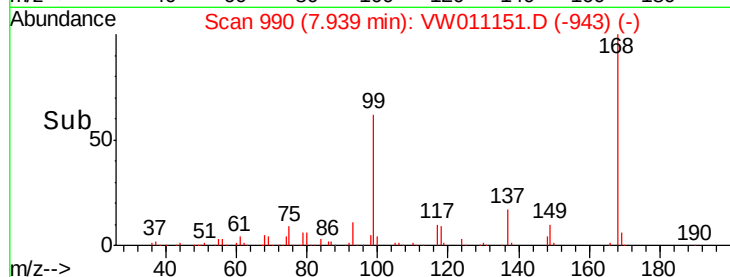
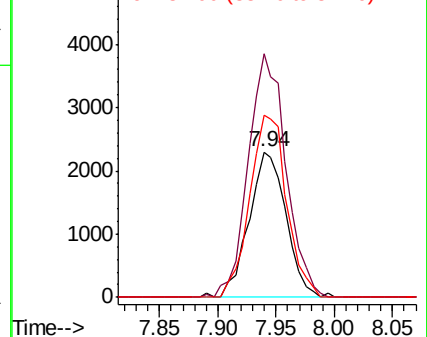
56 100

69 167.1 24.2 36.2#

84 125.5 60.6 90.8#



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: 52.097 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011151.D

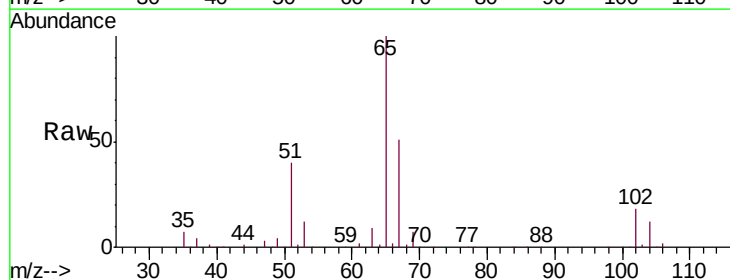
Acq: 03 Jul 2019 20:18

Tgt Ion: 65 Resp: 135249

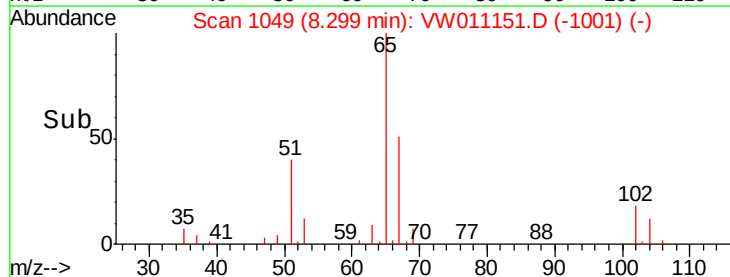
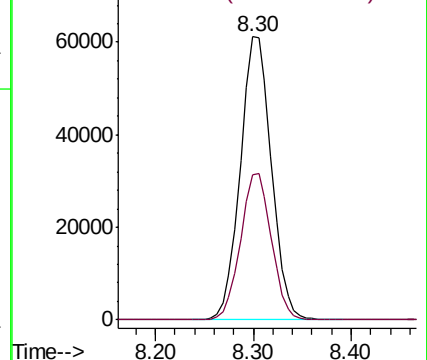
Ion Ratio Lower Upper

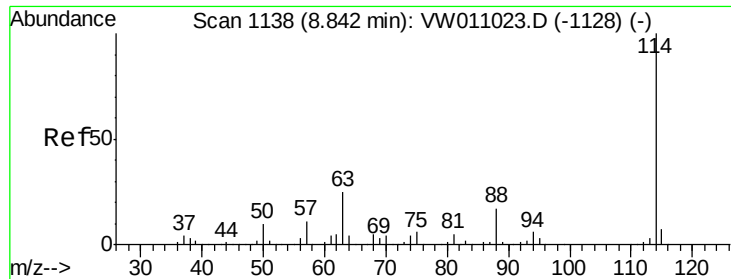
65 100

67 51.4 0.0 102.4



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

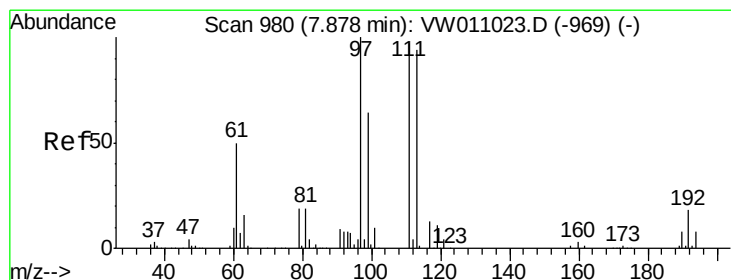
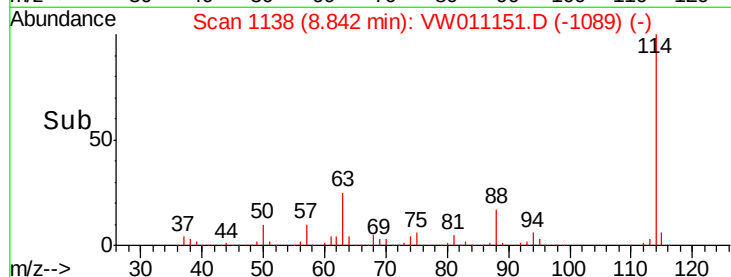
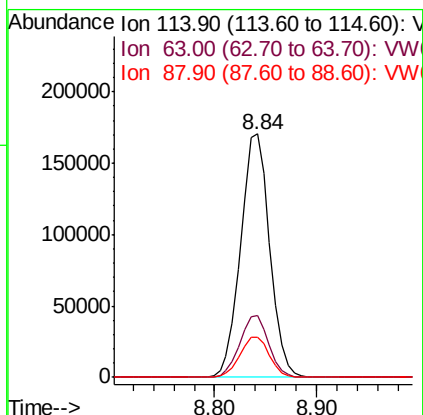
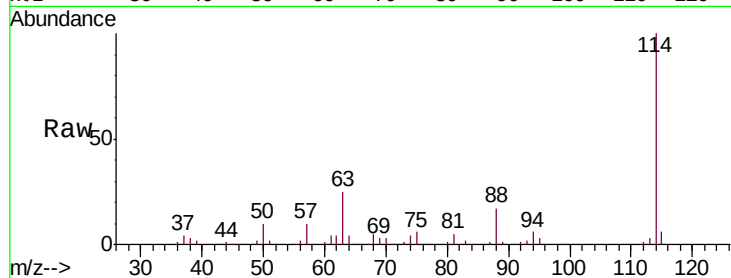




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011151.D
 Acq: 03 Jul 2019 20:18

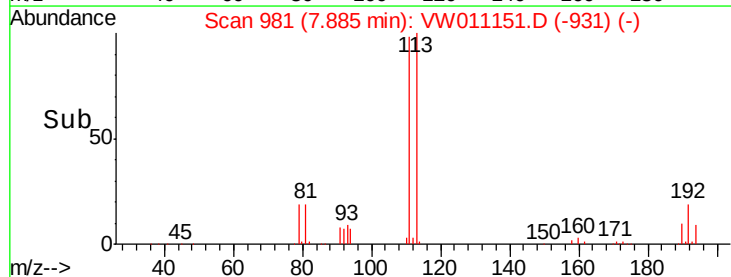
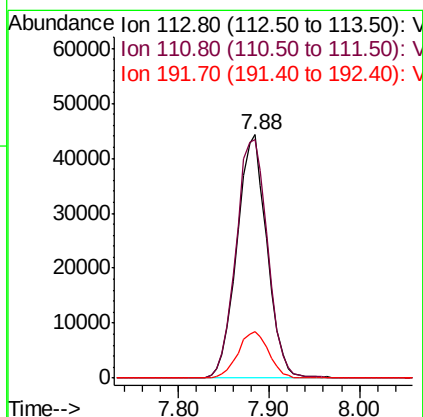
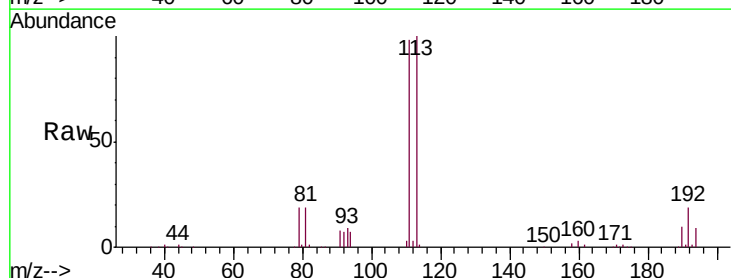
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-070319-D

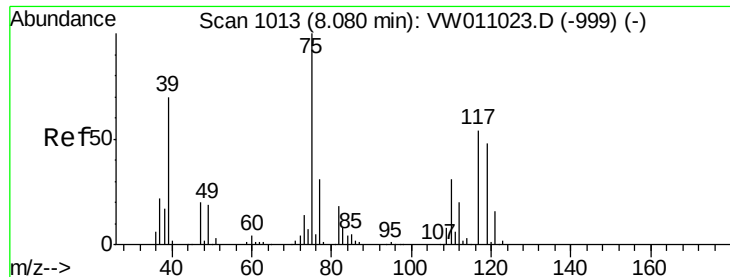
Tgt Ion:114 Resp: 336682
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 50.6
 88 16.5 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 49.405 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW011151.D
 Acq: 03 Jul 2019 20:18

Tgt Ion:113 Resp: 101572
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.8 125.6
 192 19.5 16.0 24.0

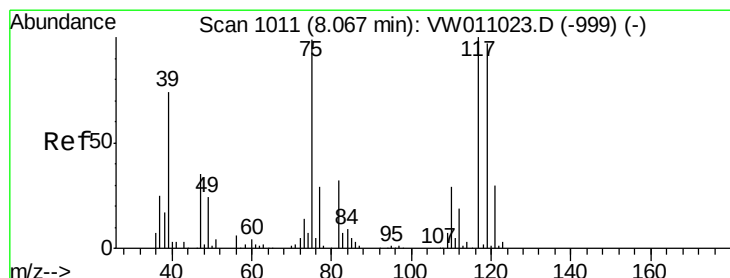
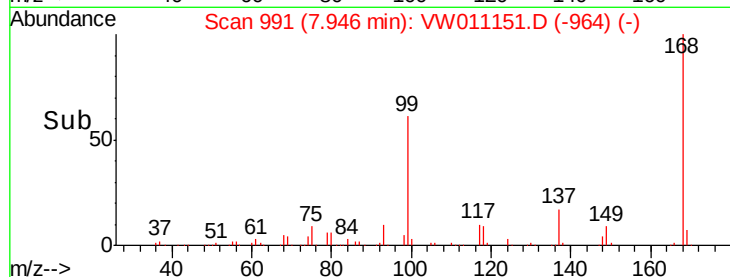
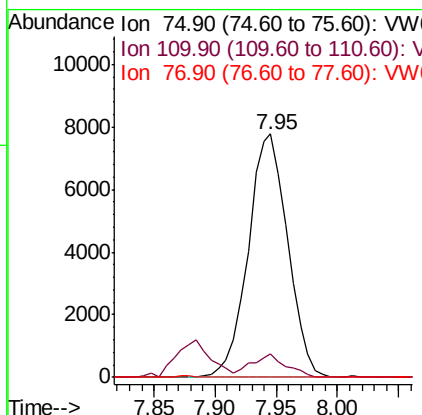
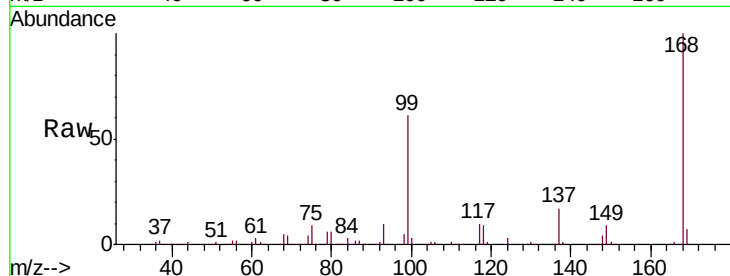




#36
 1,1-Dichloropropene
 Concen: 4.830 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011151.D
 Acq: 03 Jul 2019 20:18

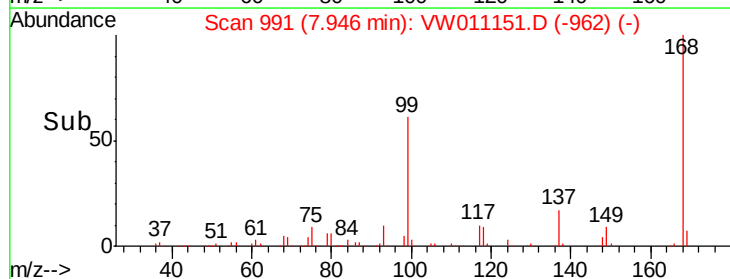
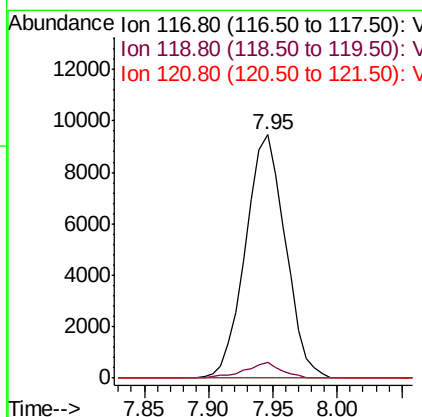
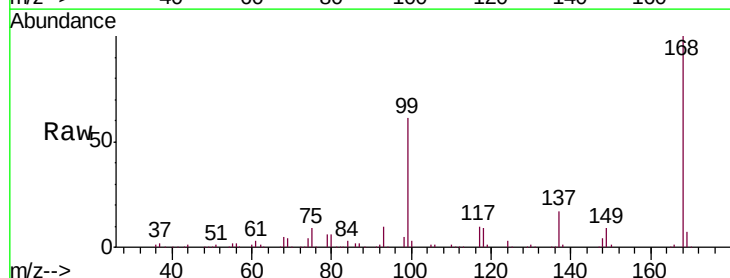
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-070319-D

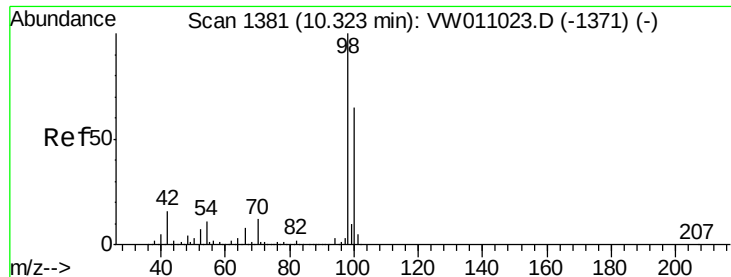
Tgt Ion: 75 Resp: 17478
 Ion Ratio Lower Upper
 75 100
 110 8.4 15.5 46.5#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.800 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011151.D
 Acq: 03 Jul 2019 20:18

Tgt Ion: 117 Resp: 20264
 Ion Ratio Lower Upper
 117 100
 119 6.5 77.7 116.5#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 48.568 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011151.D

Acq: 03 Jul 2019 20:18

Instrument :

MSVOA_W

ClientSampleId :

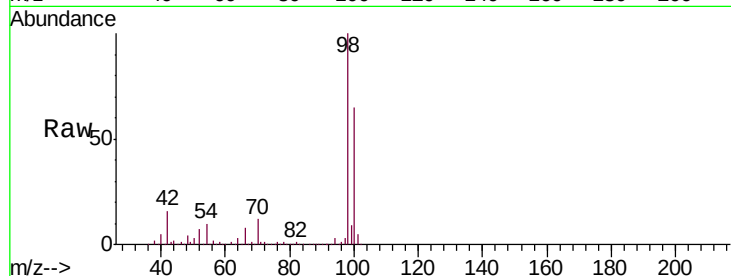
PL-01-070319-D

Tgt Ion: 98 Resp: 411016

Ion Ratio Lower Upper

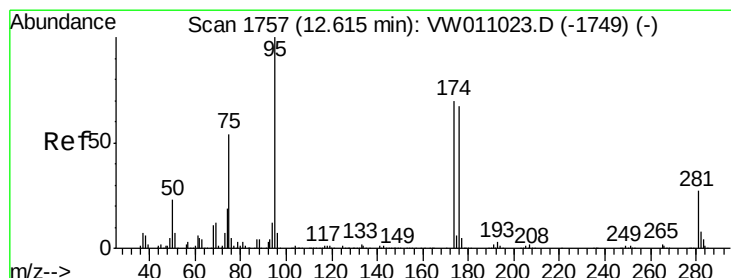
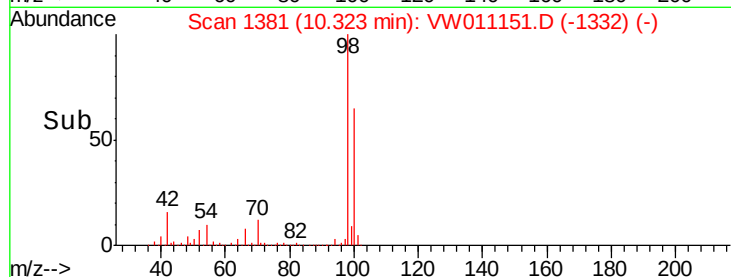
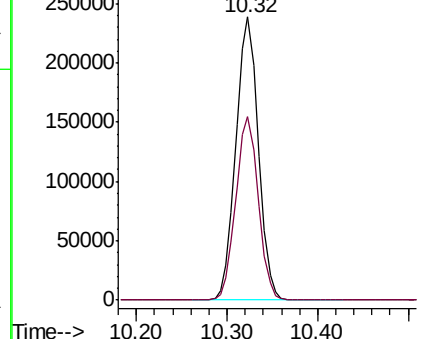
98 100

100 65.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 39.931 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011151.D

Acq: 03 Jul 2019 20:18

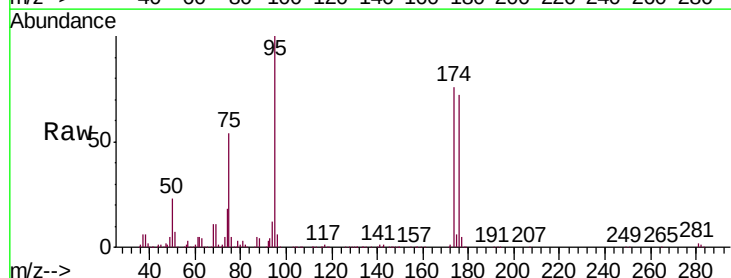
Tgt Ion: 95 Resp: 123595

Ion Ratio Lower Upper

95 100

174 74.2 0.0 149.2

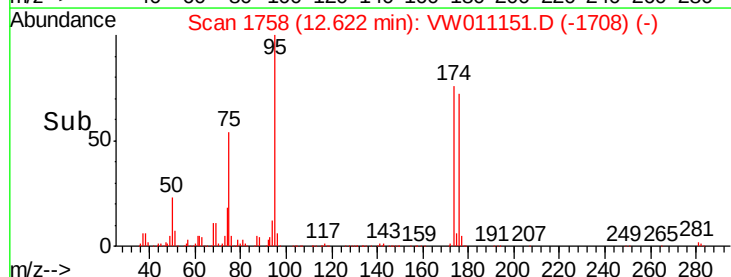
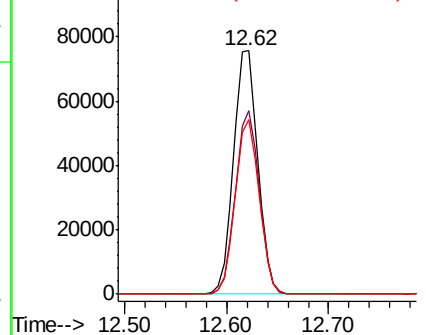
176 70.9 0.0 143.6

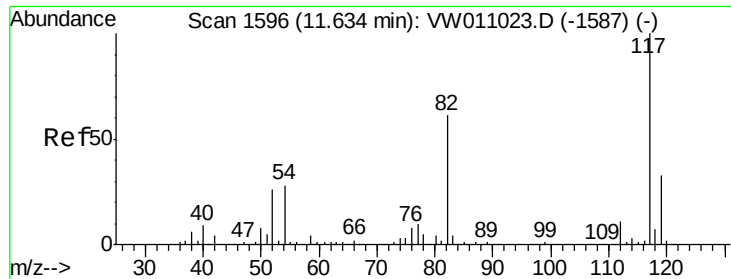


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

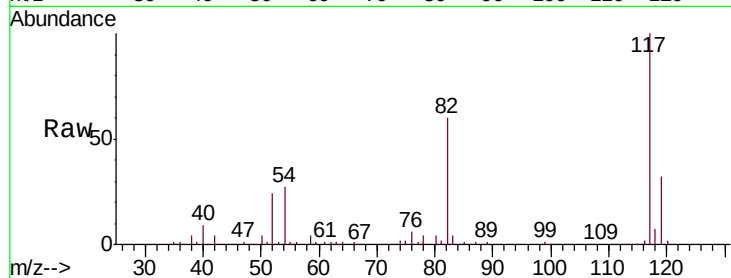




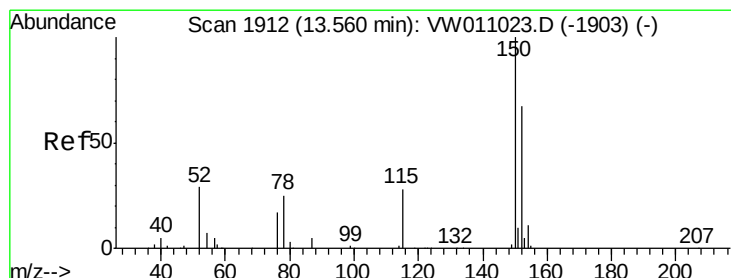
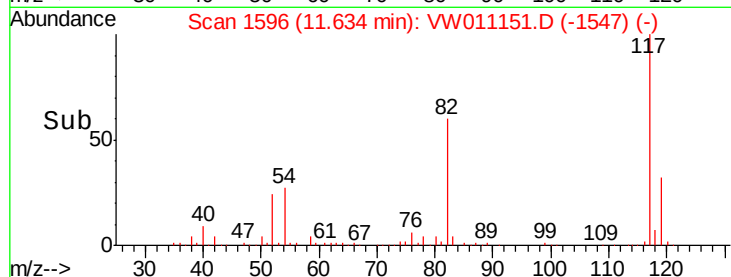
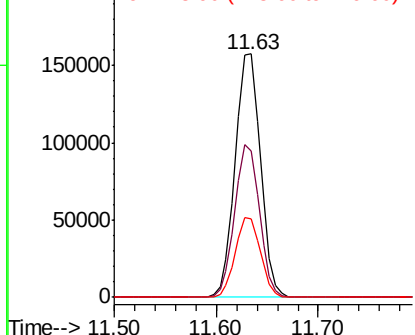
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011151.D
Acq: 03 Jul 2019 20:18

Instrument :
MSVOA_W
ClientSampleId :
PL-01-070319-D

Tgt Ion:117 Resp: 270243
Ion Ratio Lower Upper
117 100
82 60.1 48.6 73.0
119 32.5 26.1 39.1

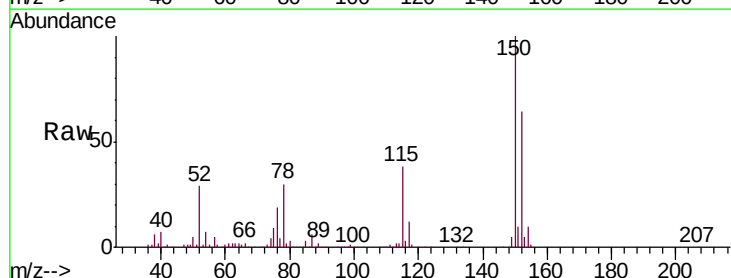


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

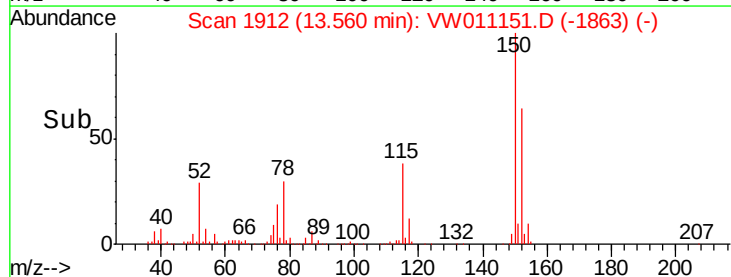
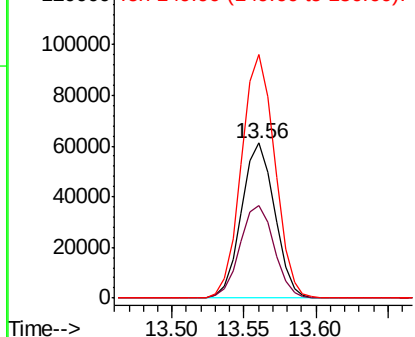


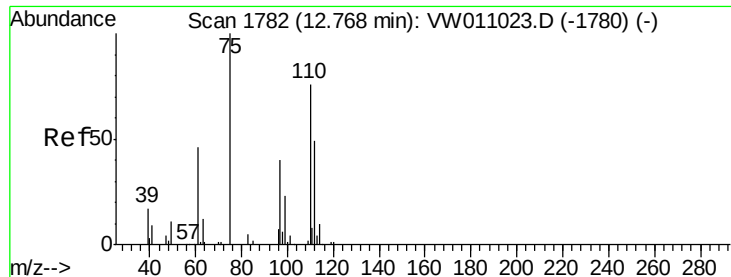
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011151.D
Acq: 03 Jul 2019 20:18

Tgt Ion:152 Resp: 97730
Ion Ratio Lower Upper
152 100
115 61.4 30.7 92.1
150 157.9 0.0 341.8



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: 65.047 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011151.D

Acq: 03 Jul 2019 20:18

Instrument :

MSVOA_W

ClientSampleId :

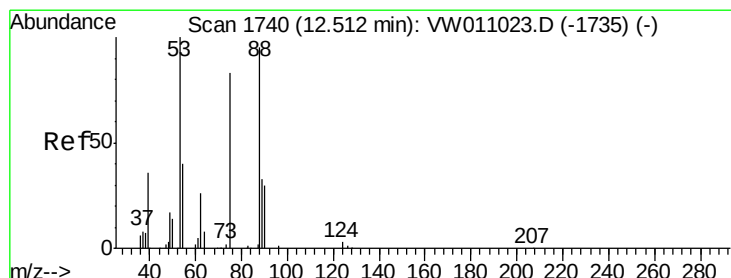
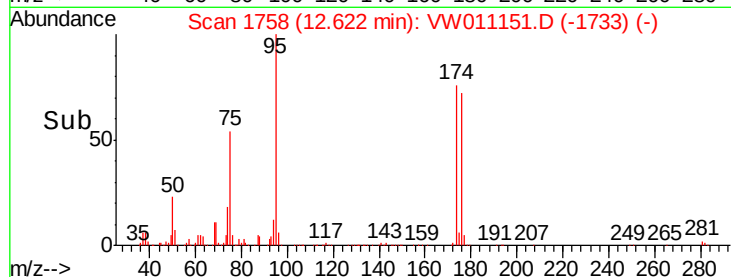
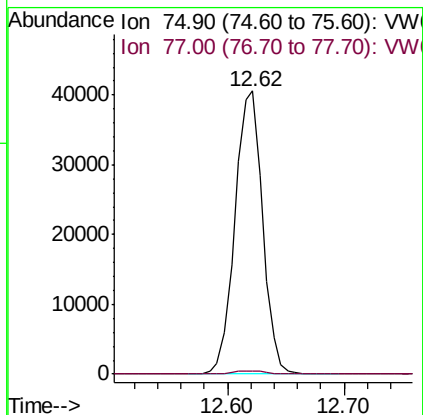
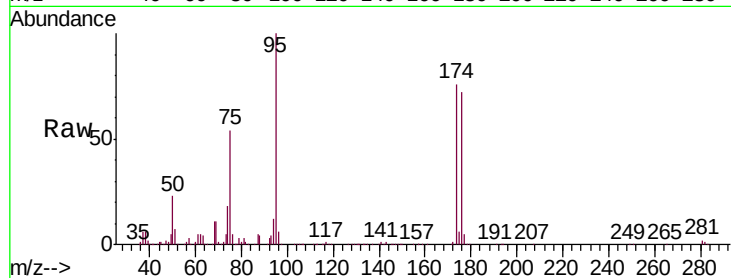
PL-01-070319-D

Tgt Ion: 75 Resp: 67114

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.150 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011151.D

Acq: 03 Jul 2019 20:18

Tgt Ion: 75 Resp: 67114

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 34.4 51.6#

