

Data File : VW012355.D
Acq On : 30 Aug 2019 17:26
Operator : SY/VA
Sample : K4568-03
Misc : 5.05G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-15-7.5-8.0

Quant Time: Aug 31 03:05:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	195957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	323212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	263780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	123123	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
35) Dibromofluoromethane	7.88	113	98219	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	10.32	98	394371	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.62	95	120849	43.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.66%	

Target Compounds

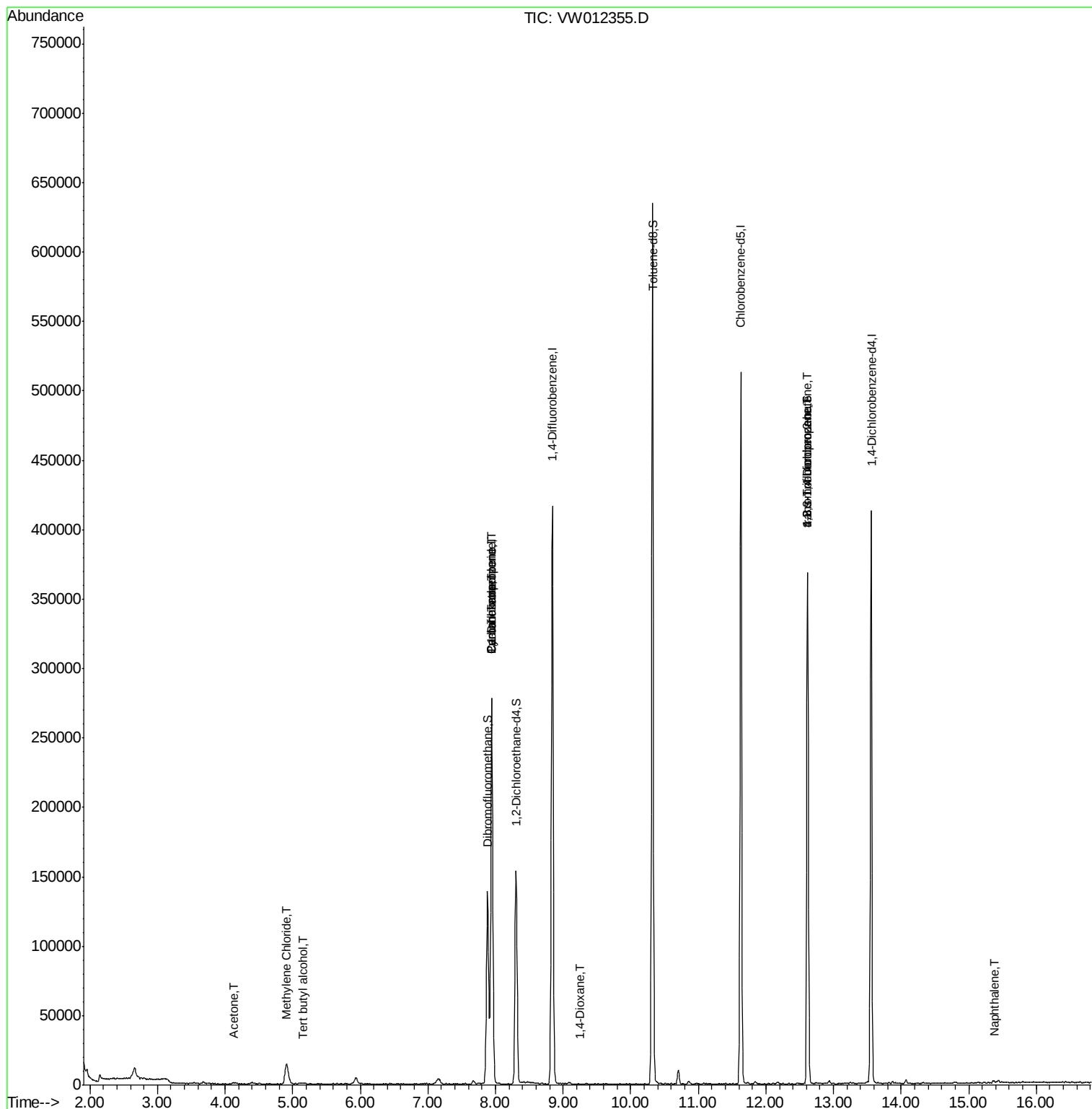
						Qvalue
11) Tert butyl alcohol	5.15	59	418	2.982	ug/l #	83
16) Acetone	4.13	43	2055	3.451	ug/l	98
20) Methylene Chloride	4.91	84	10734	4.768	ug/l	94
31) Cyclohexane	7.95	56	4967	1.184	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16804	5.031	ug/l #	52
38) Carbon Tetrachloride	7.94	117	19865	6.872	ug/l #	16
49) 1,4-Dioxane	9.24	88	21	1.256	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	65144	65.674	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65144	143.993	ug/l #	6
95) Naphthalene	15.37	128	1388	4.651	ug/l #	96

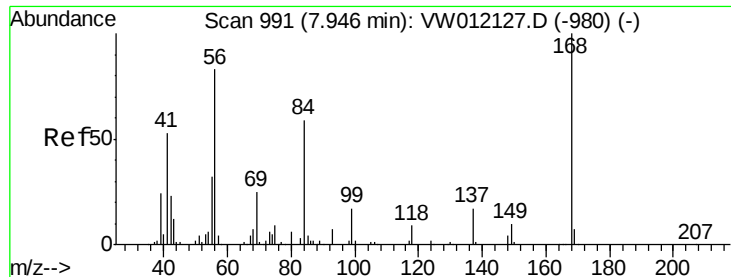
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW012355.D

Acq: 30 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

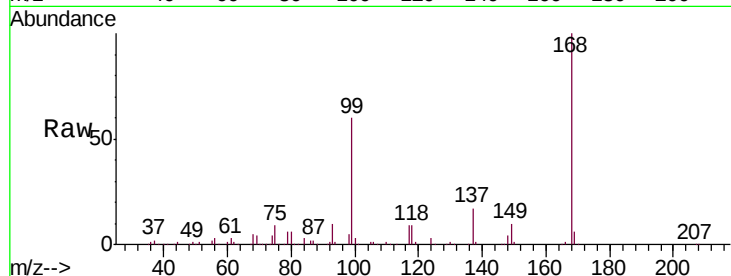
SB-15-7.5-8.0

Tgt Ion:168 Resp: 195957

Ion Ratio Lower Upper

168 100

99 60.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

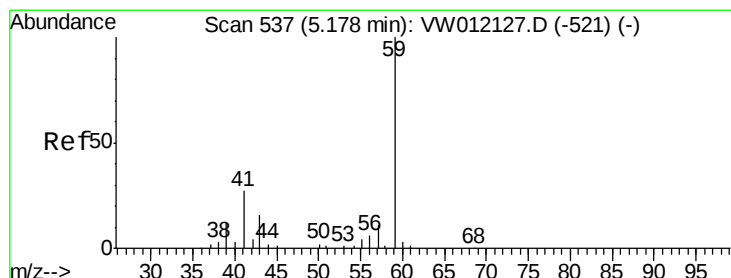
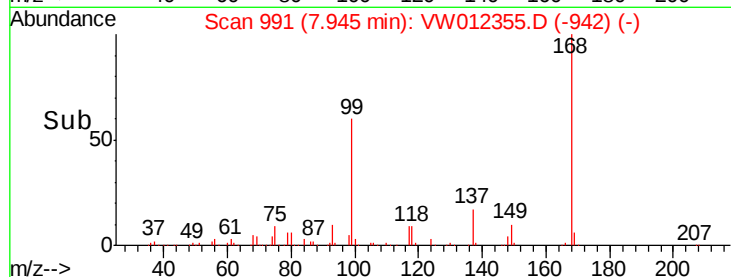
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.982 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.03 min

Lab File: VW012355.D

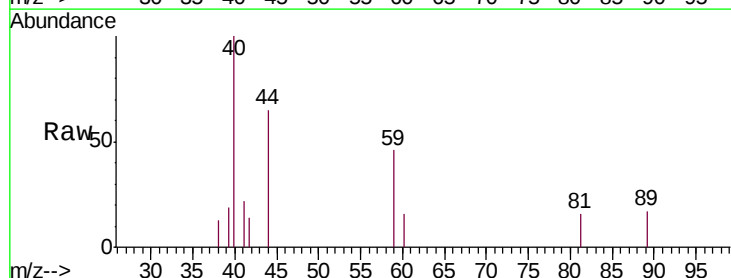
Acq: 30 Aug 2019 17:26

Tgt Ion: 59 Resp: 418

Ion Ratio Lower Upper

59 100

57 4.8 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

200

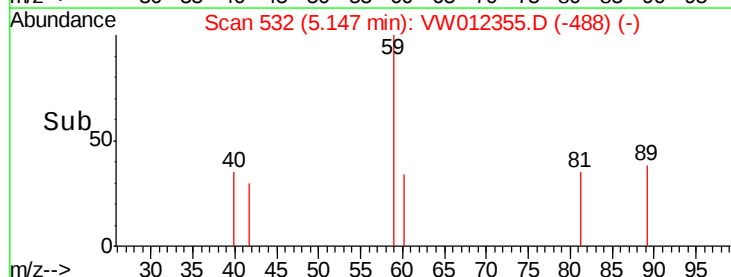
150

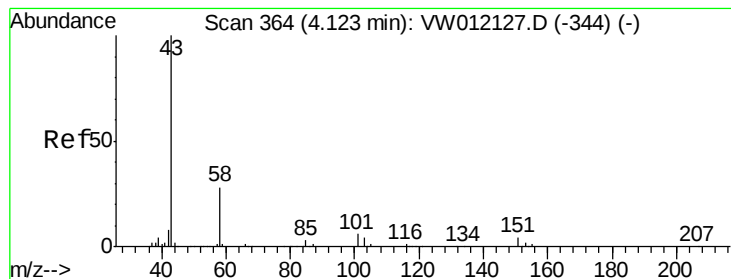
100

50

0

Time-->





#16

Acetone

Concen: 3.451 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012355.D

Acq: 30 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

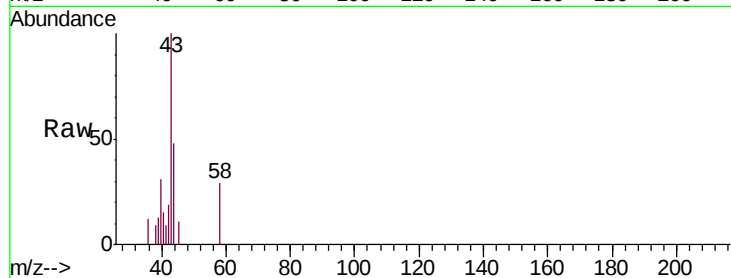
SB-15-7.5-8.0

Tgt Ion: 43 Resp: 2055

Ion Ratio Lower Upper

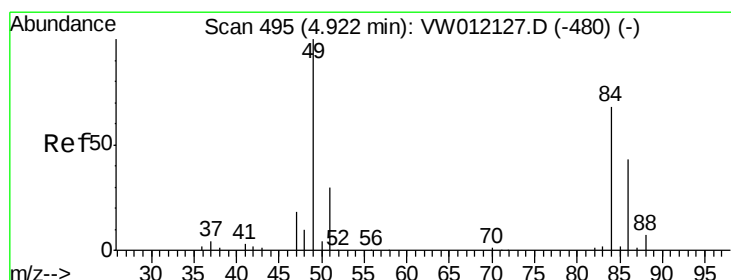
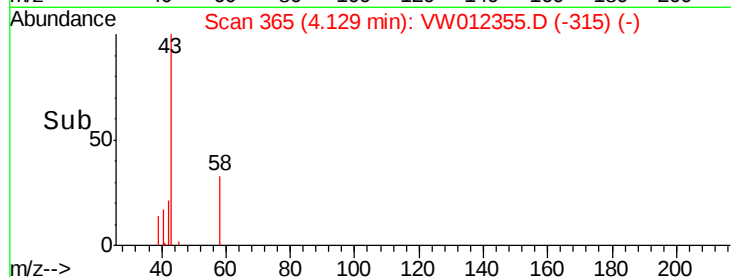
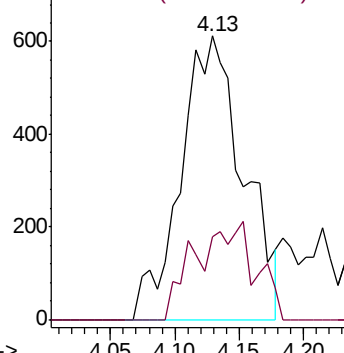
43 100

58 29.2 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 4.768 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012355.D

Acq: 30 Aug 2019 17:26

Tgt Ion: 84 Resp: 10734

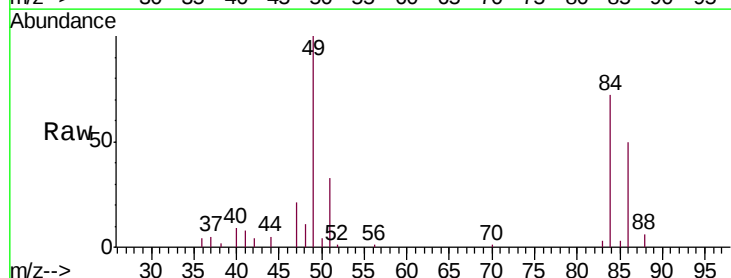
Ion Ratio Lower Upper

84 100

49 138.8 117.8 176.8

51 45.8 35.6 53.4

86 69.0 51.2 76.8

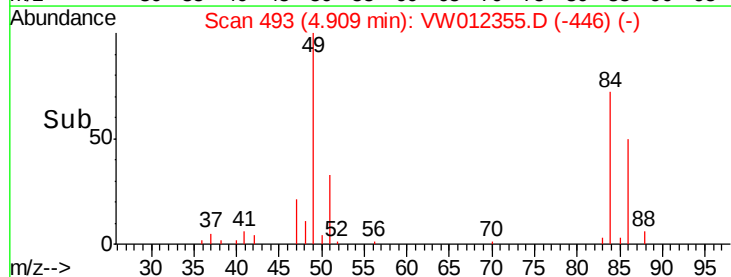
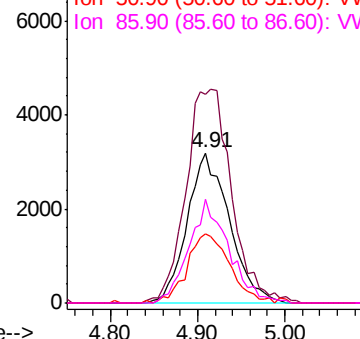


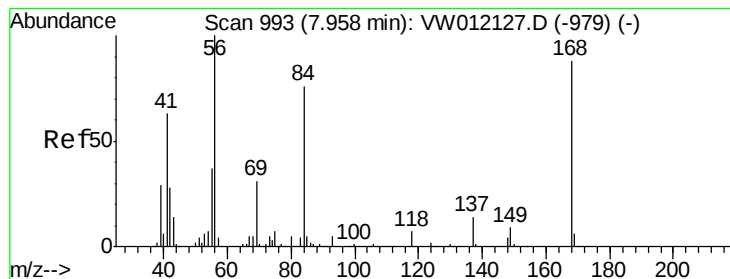
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012355.D

Acq: 30 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

SB-15-7.5-8.0

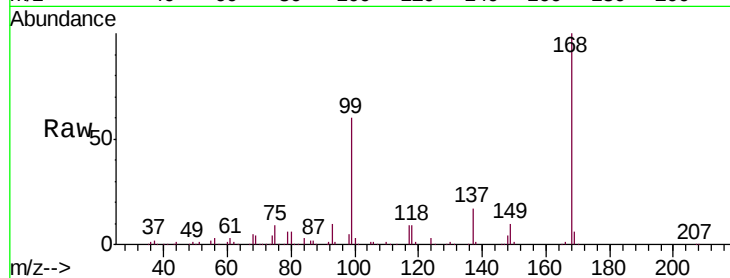
Tgt Ion: 56 Resp: 4967

Ion Ratio Lower Upper

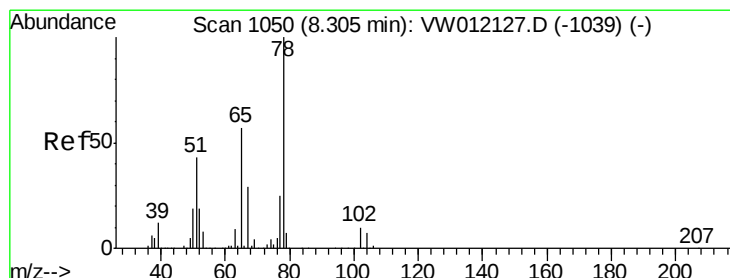
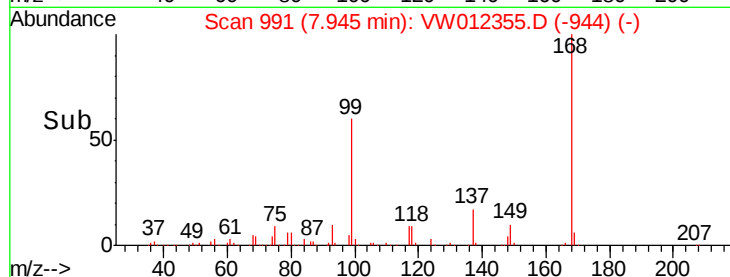
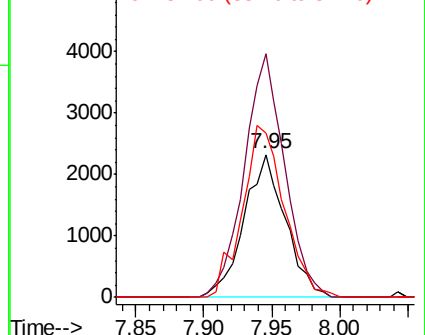
56 100

69 170.3 24.9 37.3#

84 114.7 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: 52.855 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012355.D

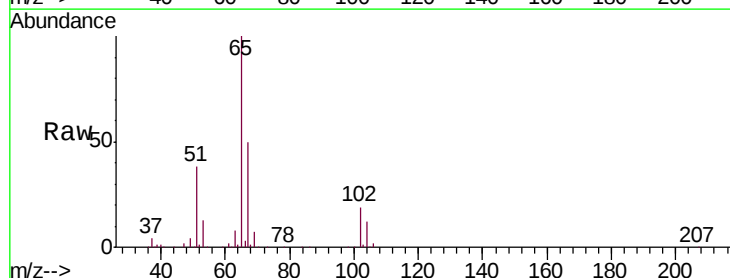
Acq: 30 Aug 2019 17:26

Tgt Ion: 65 Resp: 123123

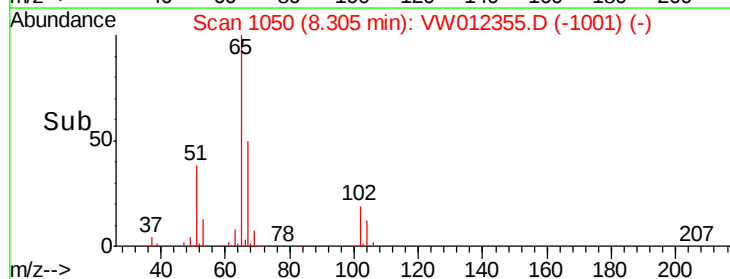
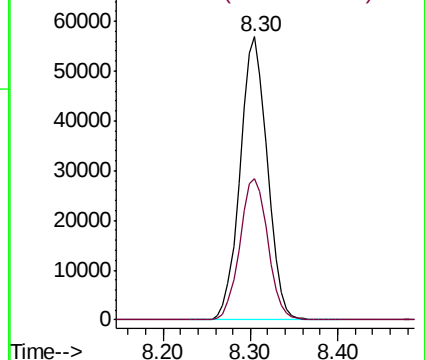
Ion Ratio Lower Upper

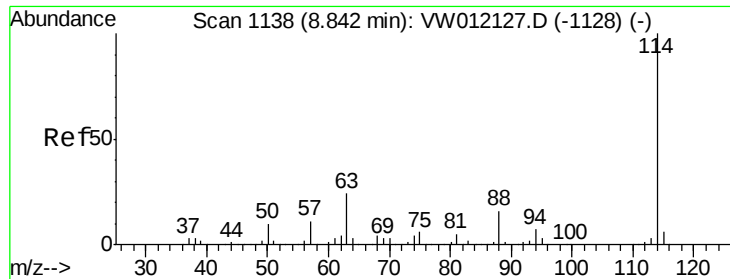
65 100

67 51.4 0.0 102.6



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

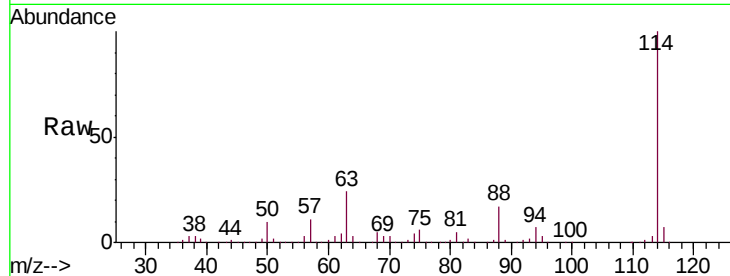




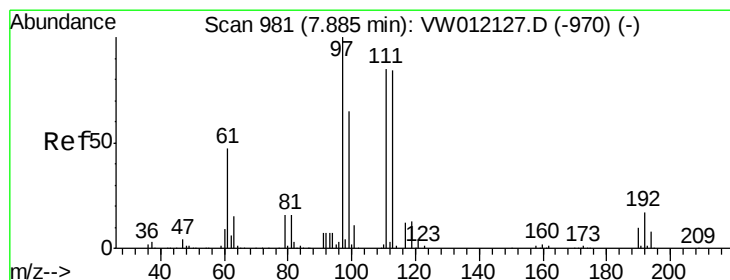
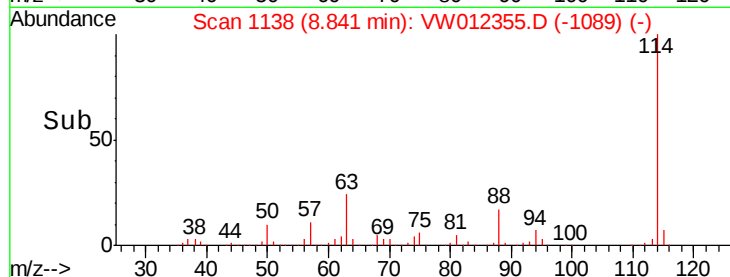
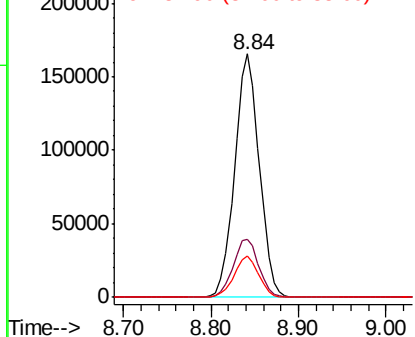
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012355.D
 Acq: 30 Aug 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-15-7.5-8.0

Tgt Ion:114 Resp: 323212
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.6
 88 17.1 0.0 32.2

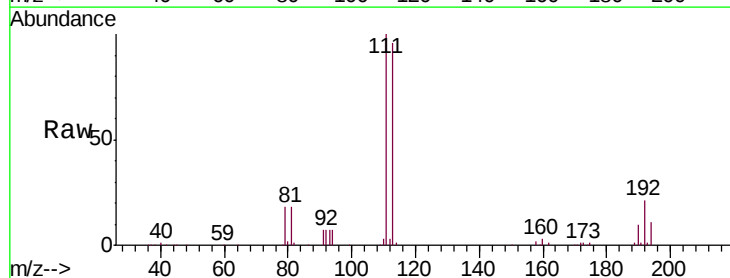


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

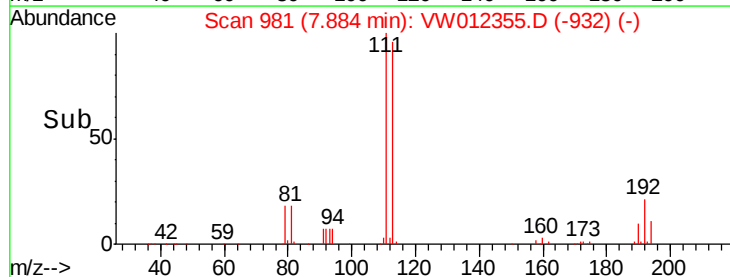
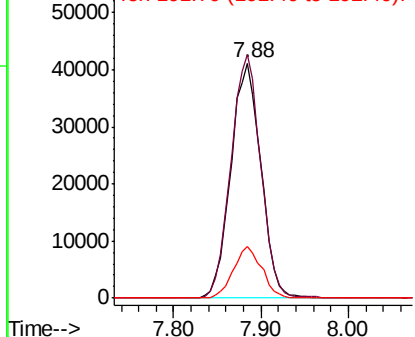


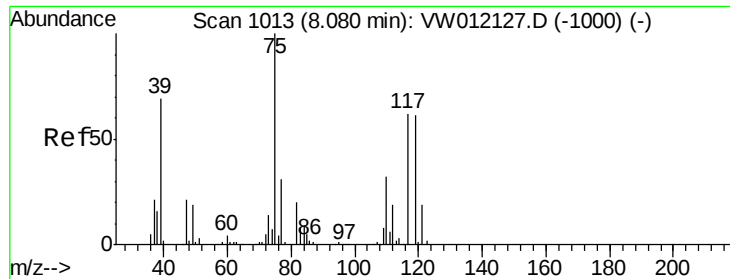
#35
 Dibromofluoromethane
 Concen: 50.910 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012355.D
 Acq: 30 Aug 2019 17:26

Tgt Ion:113 Resp: 98219
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.7 124.1
 192 20.7 16.2 24.2



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

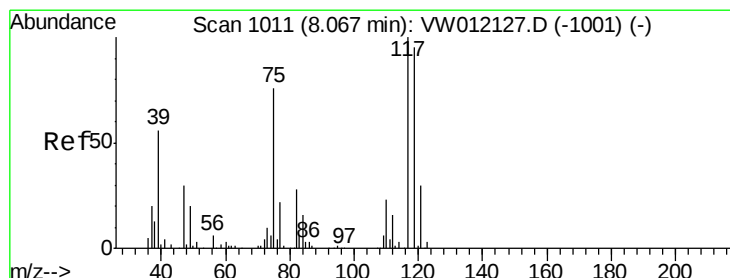
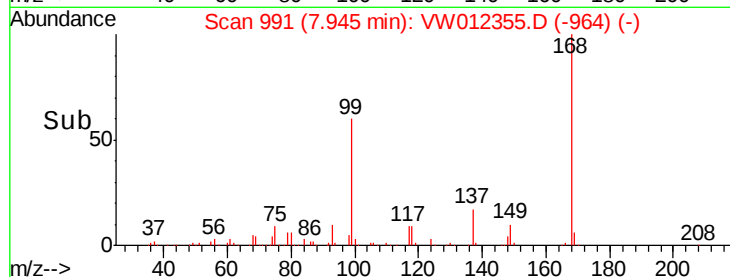
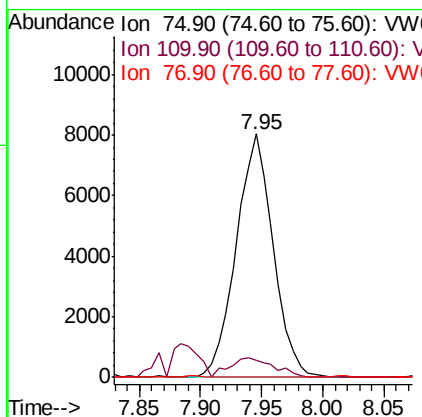
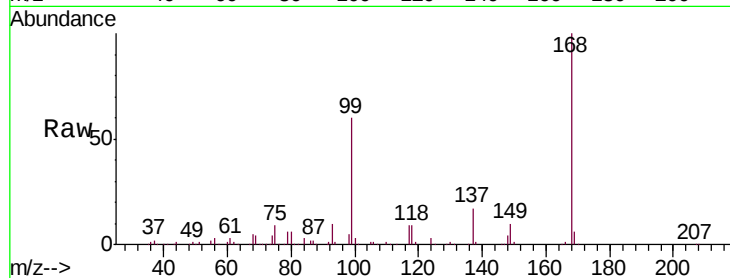




#36
 1,1-Dichloropropene
 Concen: 5.031 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012355.D
 Acq: 30 Aug 2019 17:26

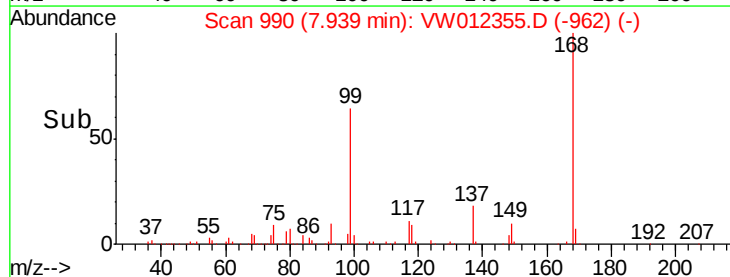
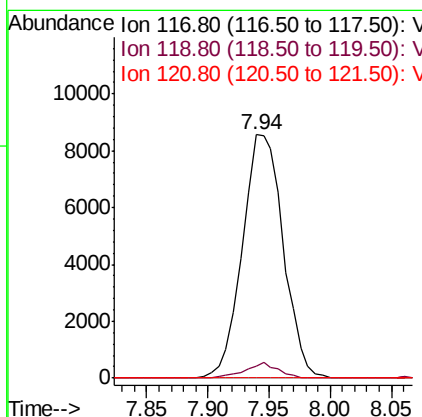
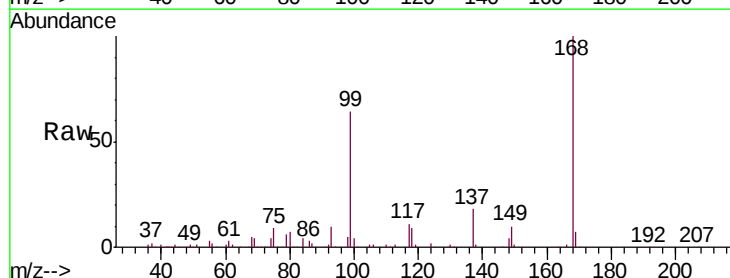
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-15-7.5-8.0

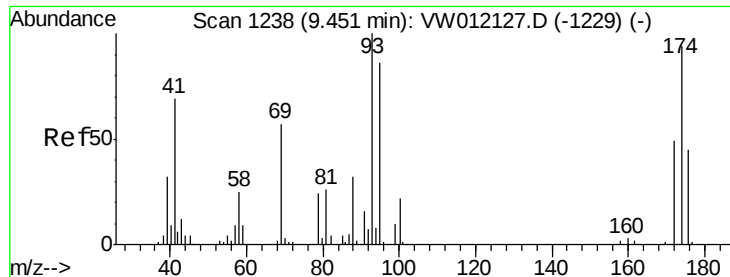
Tgt Ion: 75 Resp: 16804
 Ion Ratio Lower Upper
 75 100
 110 9.6 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.872 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012355.D
 Acq: 30 Aug 2019 17:26

Tgt Ion: 117 Resp: 19865
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.2 114.2#
 121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.256 ug/l

RT: 9.24 min Scan# 1204

Delta R.T. -0.21 min

Lab File: VW012355.D

Acq: 30 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampled :

SB-15-7.5-8.0

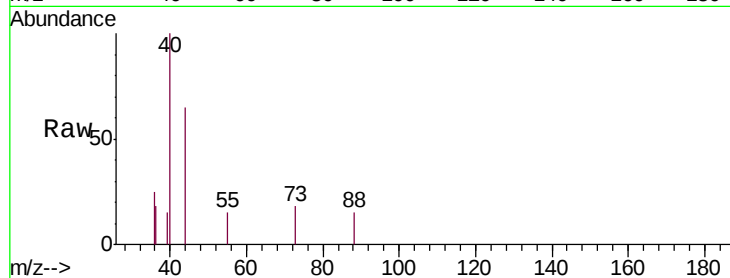
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 209.5 32.9 49.3#

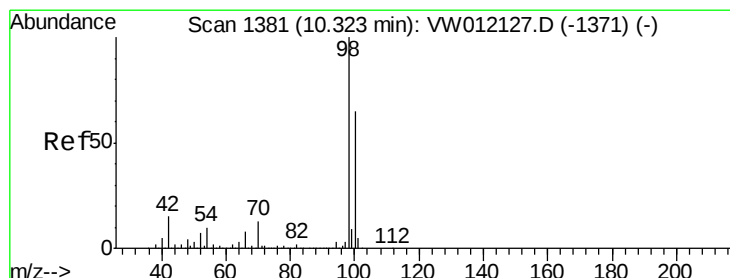
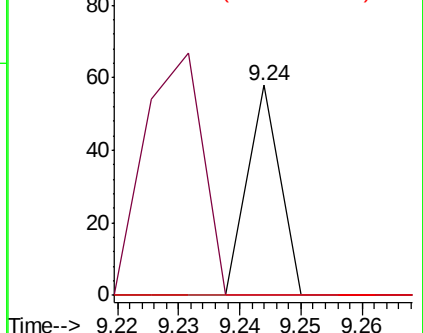
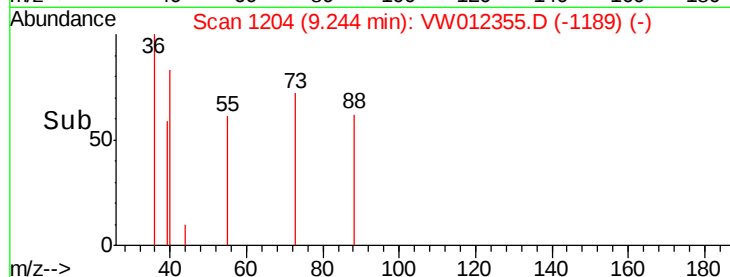
58 0.0 71.0 106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.414 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012355.D

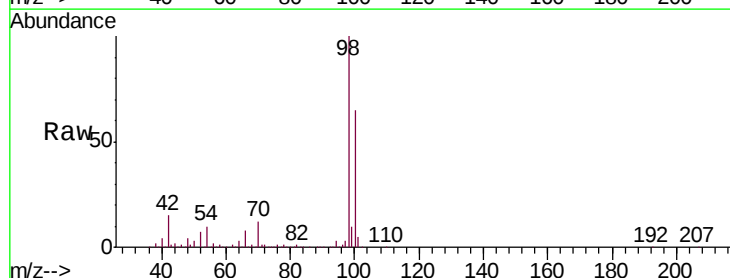
Acq: 30 Aug 2019 17:26

Tgt Ion: 98 Resp: 394371

Ion Ratio Lower Upper

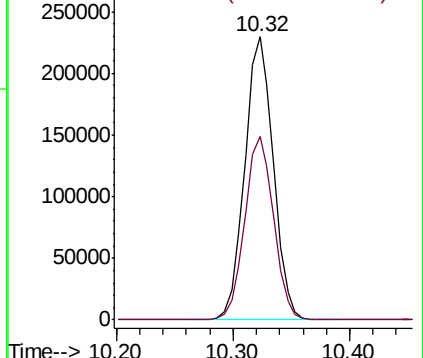
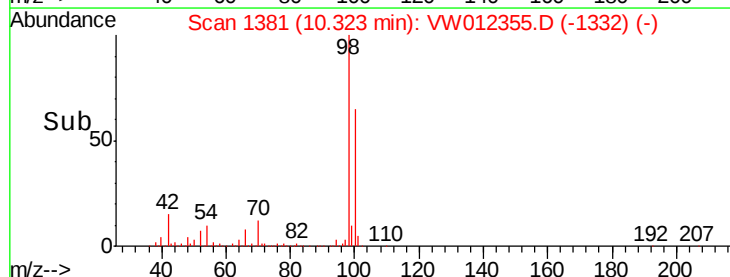
98 100

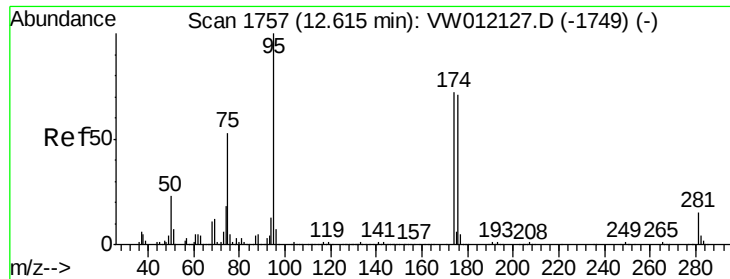
100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

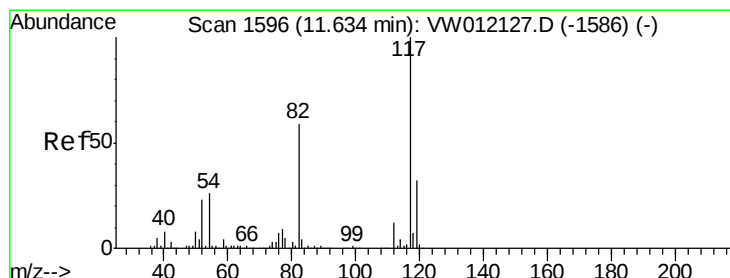
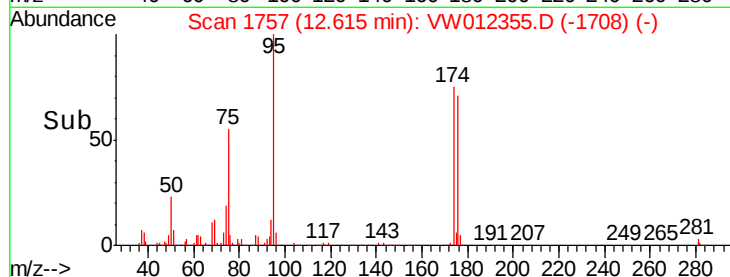
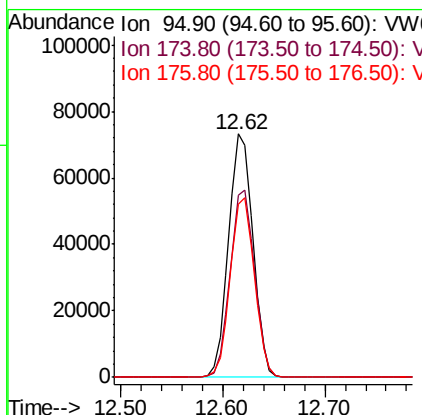
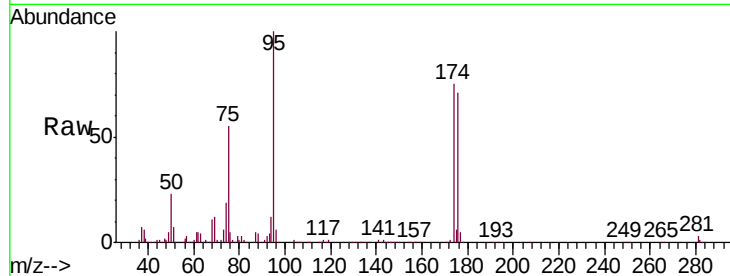




#62
4-Bromofluorobenzene
Concen: 43.826 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012355.D
Acq: 30 Aug 2019 17:26

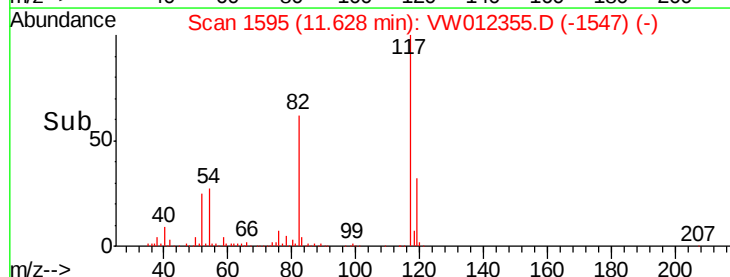
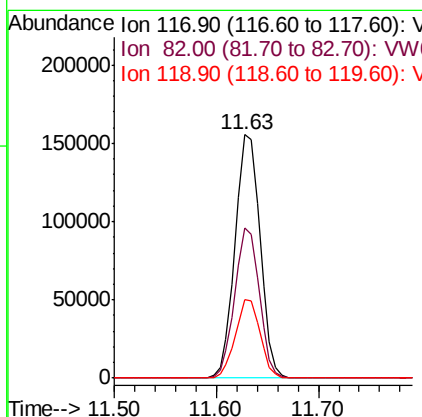
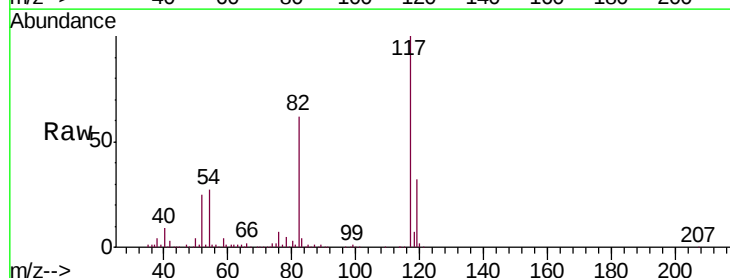
Instrument :
MSVOA_W
ClientSampleId :
SB-15-7.5-8.0

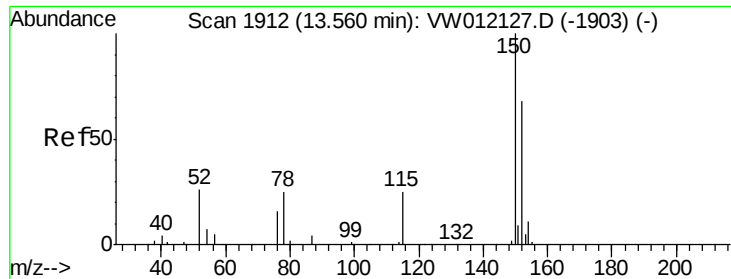
Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	150.8
176	73.1	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012355.D
Acq: 30 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.8	47.4	71.2
119	32.0	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012355.D

Acq: 30 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

SB-15-7.5-8.0

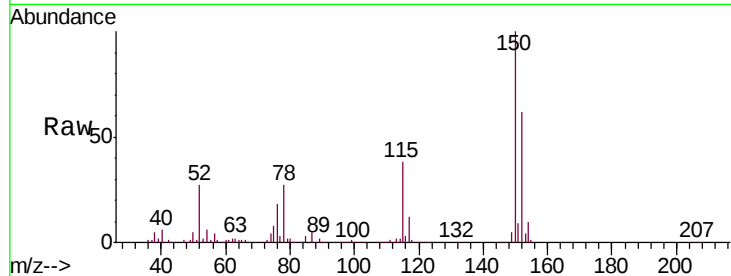
Tgt Ion:152 Resp: 101848

Ion Ratio Lower Upper

152 100

115 61.6 30.1 90.3

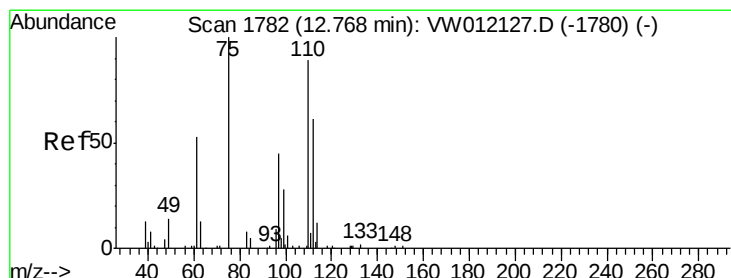
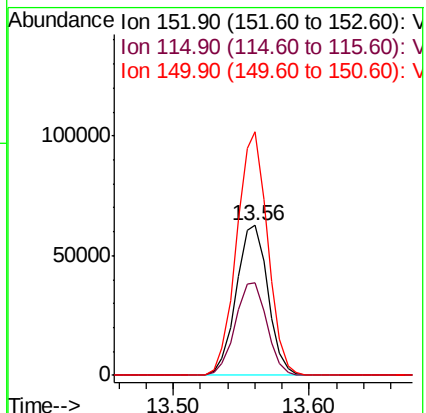
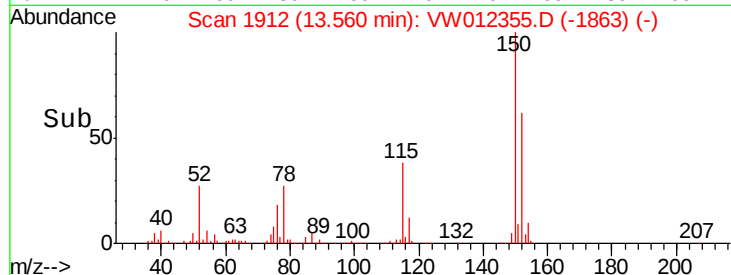
150 158.2 0.0 345.8



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: 65.674 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012355.D

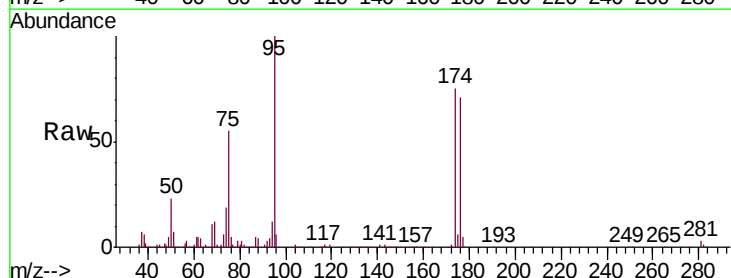
Acq: 30 Aug 2019 17:26

Tgt Ion: 75 Resp: 65144

Ion Ratio Lower Upper

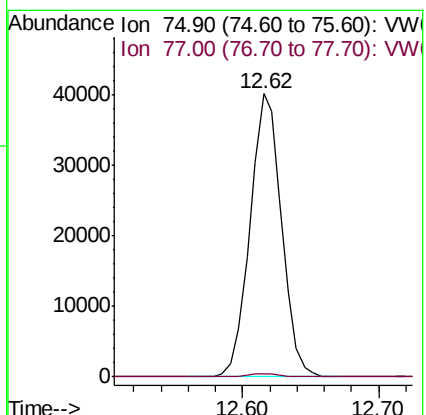
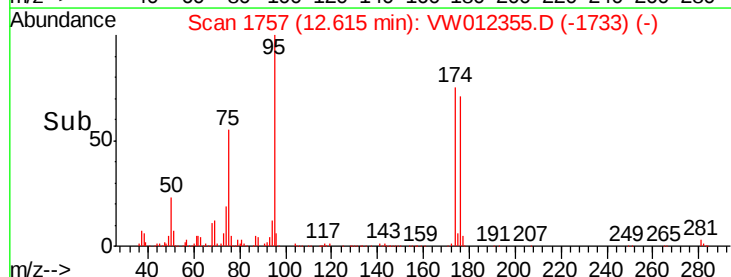
75 100

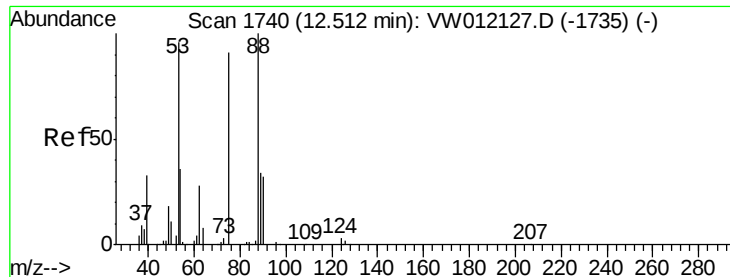
77 1.3 0.0 0.0#



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: 143.993 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012355.D

Acq: 30 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

SB-15-7.5-8.0

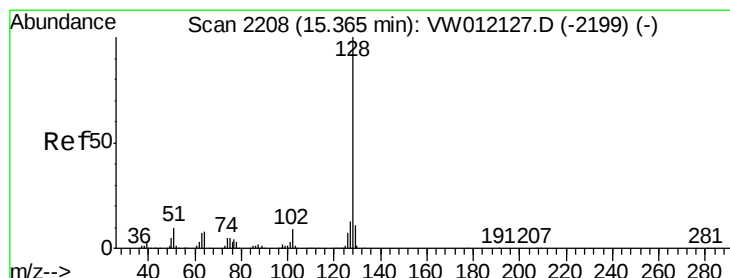
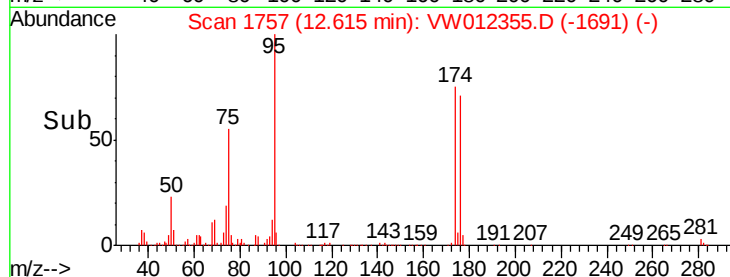
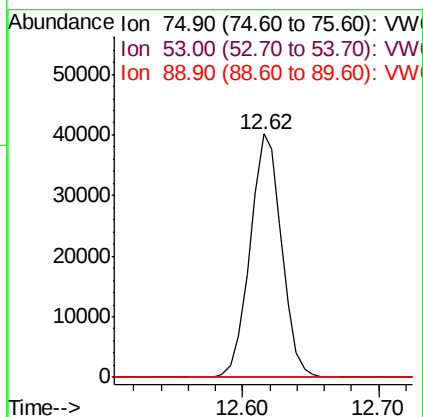
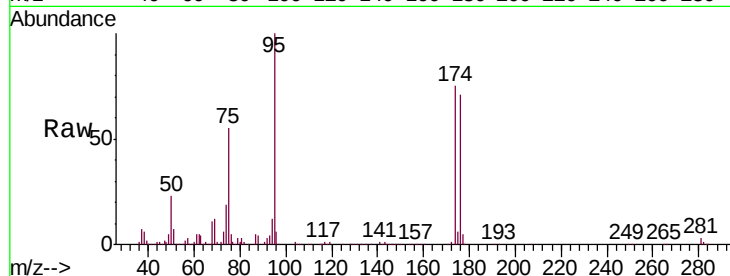
Tgt Ion: 75 Resp: 65144

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.1 34.5 51.7#



#95

Naphthalene

Concen: 4.651 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012355.D

Acq: 30 Aug 2019 17:26

Tgt Ion: 128 Resp: 1388

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

129 13.8 8.7 13.1#

