

Data File : VW012698.D
Acq On : 06 Sep 2019 19:07
Operator : SY/VA
Sample : K4581-10
Misc : 3.46G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-C4-(3.5)

Quant Time: Sep 07 04:41:50 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	266727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	394558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	299577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105983	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	152700	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	7.88	113	122485	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
50) Toluene-d8	10.32	98	463280	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.62	95	130897	38.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.78%	

Target Compounds

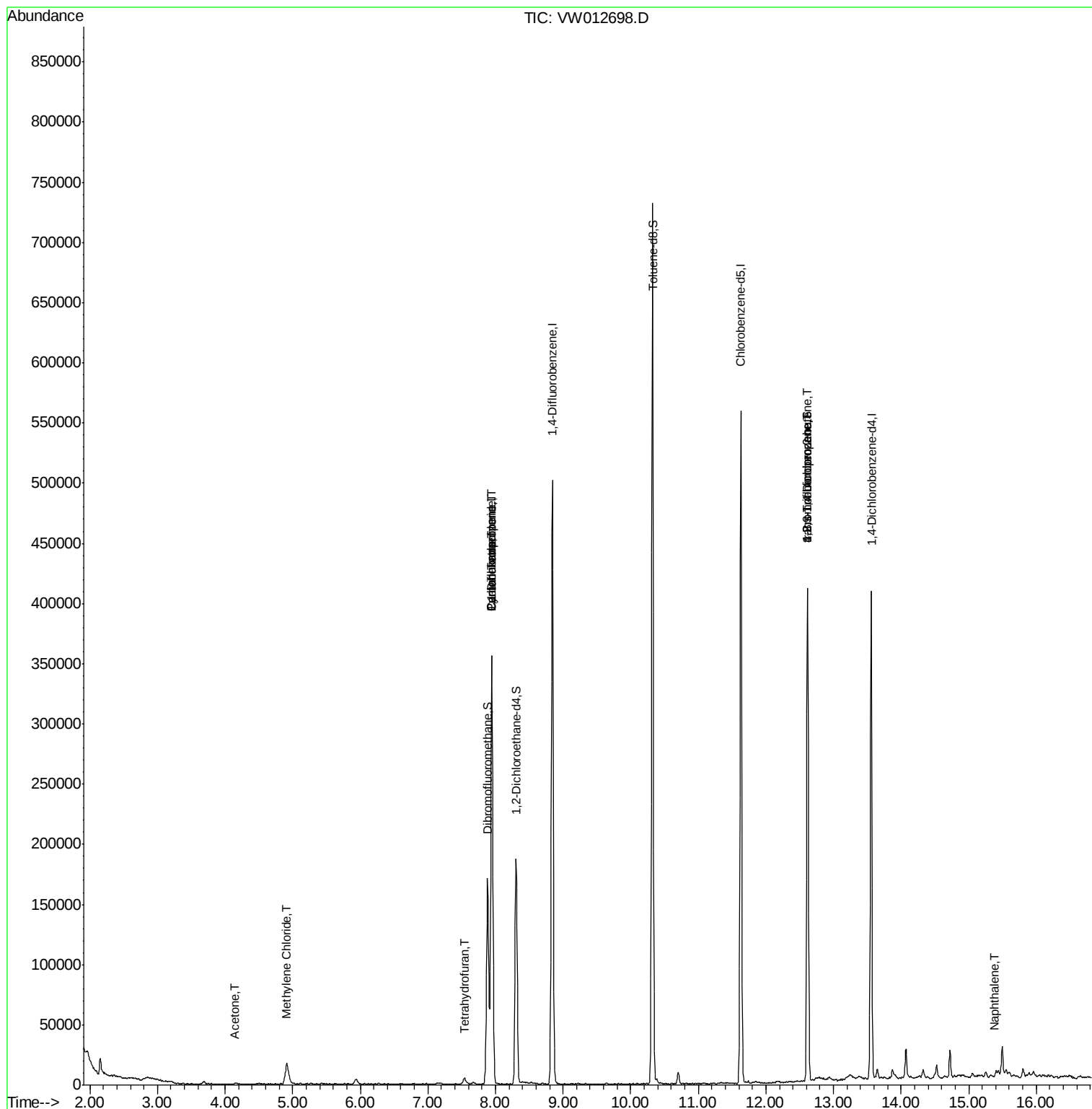
						Qvalue
16) Acetone	4.15	43	1535	1.894	ug/l	94
20) Methylene Chloride	4.92	84	12968	4.232	ug/l	93
29) Tetrahydrofuran	7.54	42	5269	7.974	ug/l	95
31) Cyclohexane	7.95	56	6102	1.068	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21202	5.200	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25832	7.320	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	70493	68.294	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70493	149.737	ug/l #	6
95) Naphthalene	15.38	128	616	4.462	ug/l #	79

(#) = 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: VW012698.D

Acq: 06 Sep 2019 19:07

Instrument :

MSVOA_W

ClientSampleId :

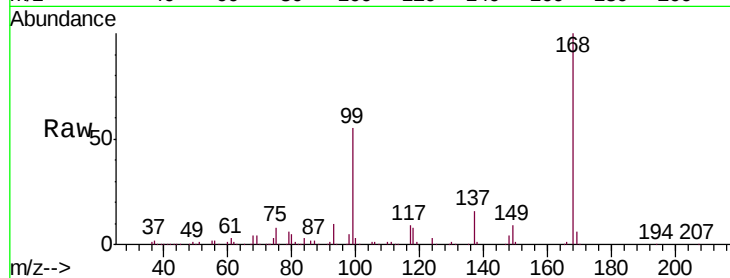
T12-C4-(3.5)

Tgt Ion:168 Resp: 266727

Ion Ratio Lower Upper

168 100

99 55.4 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

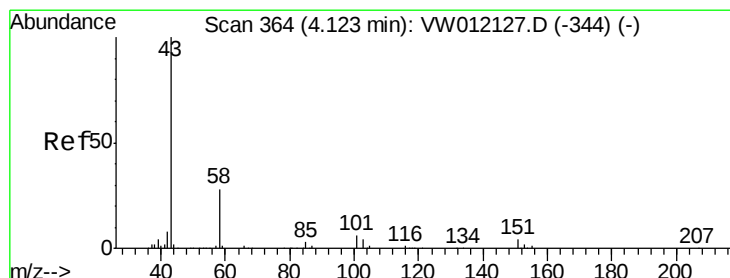
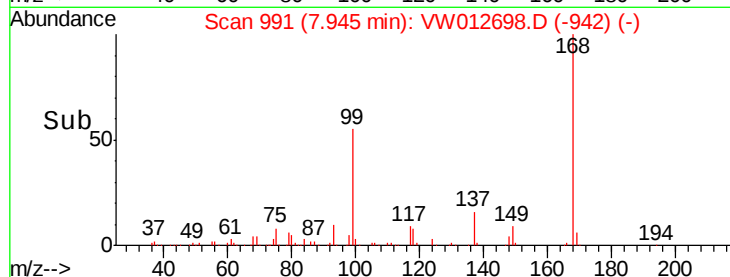
100000

50000

0

7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 1.894 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.03 min

Lab File: VW012698.D

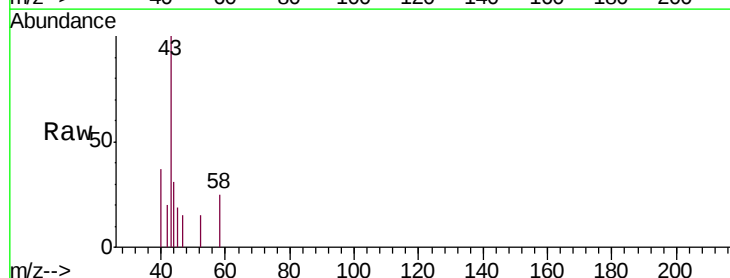
Acq: 06 Sep 2019 19:07

Tgt Ion: 43 Resp: 1535

Ion Ratio Lower Upper

43 100

58 24.7 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

500

400

300

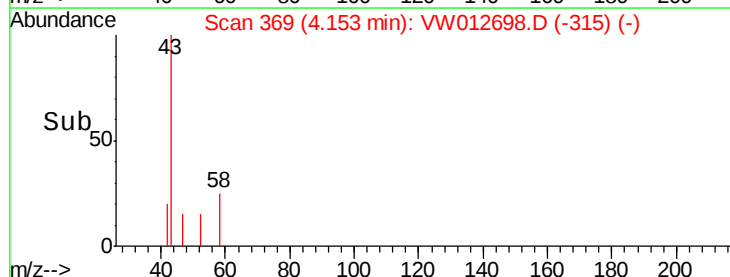
200

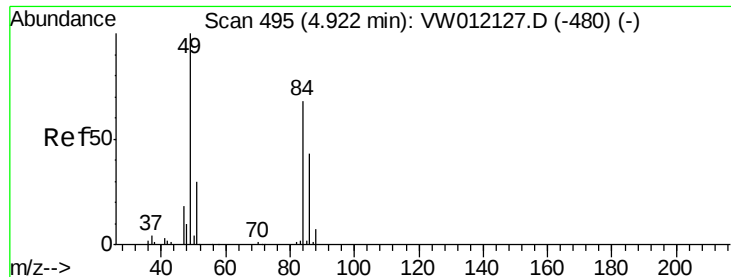
100

0

4.05 4.10 4.15 4.20 4.25

Time-->

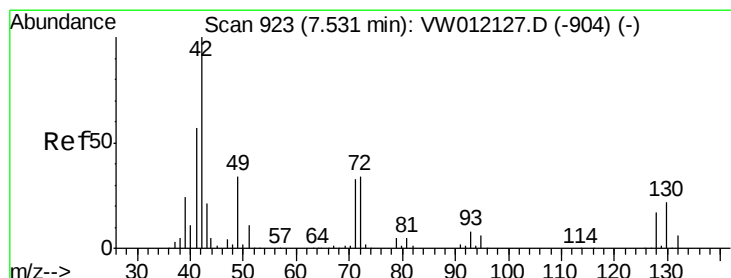
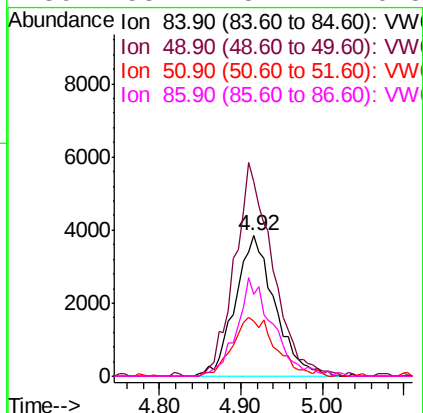
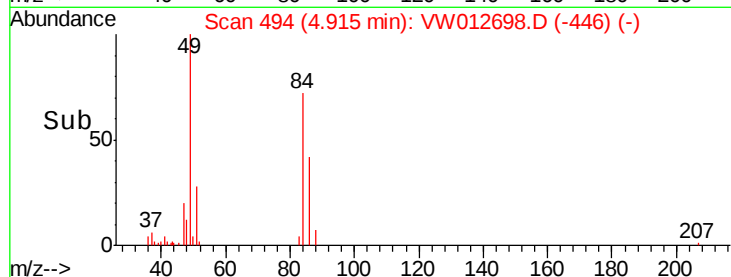
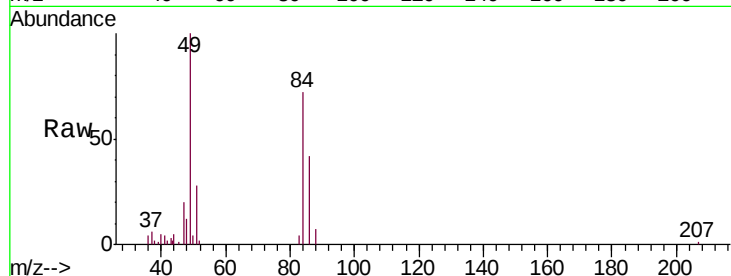




#20
Methylene Chloride
Concen: 4.232 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012698.D
Acq: 06 Sep 2019 19:07

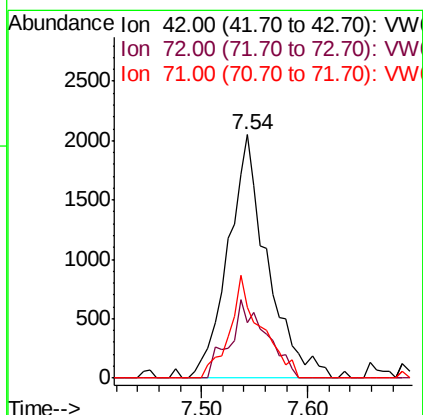
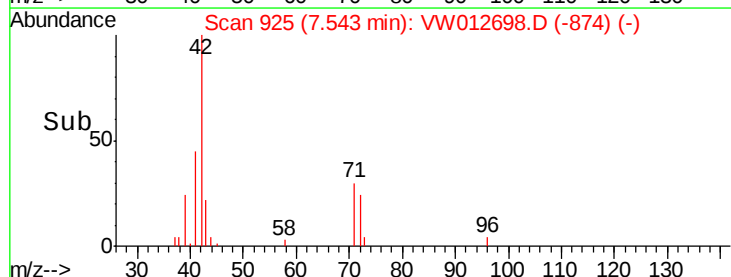
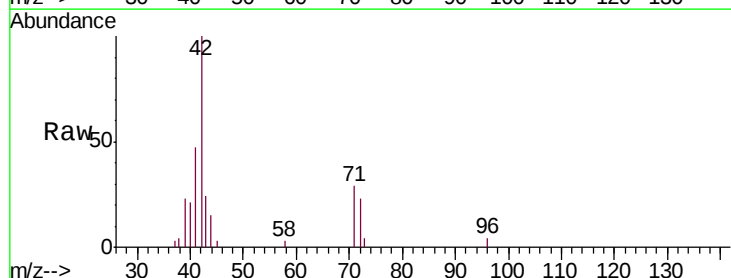
Instrument :
MSVOA_W
ClientSampleId :
T12-C4-(3.5)

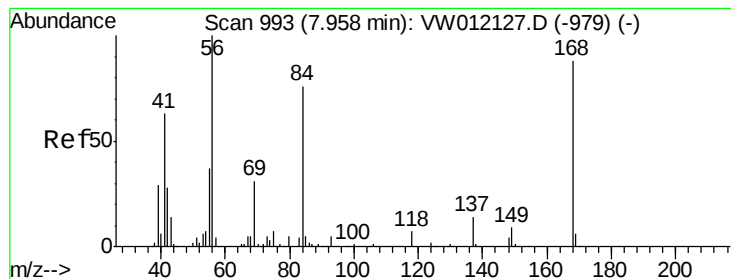
Tgt Ion:	84	Resp:	12968
Ion	Ratio	Lower	Upper
84	100		
49	139.0	117.8	176.8
51	39.4	35.6	53.4
86	58.7	51.2	76.8



#29
Tetrahydrofuran
Concen: 7.974 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012698.D
Acq: 06 Sep 2019 19:07

Tgt Ion:	42	Resp:	5269
Ion	Ratio	Lower	Upper
42	100		
72	29.9	27.3	40.9
71	33.9	25.5	38.3





#31

Cyclohexane

Concen: 1.068 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012698.D

Acq: 06 Sep 2019 19:07

Instrument :

MSVOA_W

ClientSampleId :

T12-C4-(3.5)

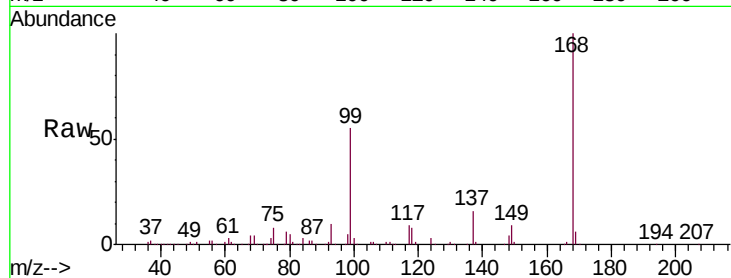
Tgt Ion: 56 Resp: 6102

Ion Ratio Lower Upper

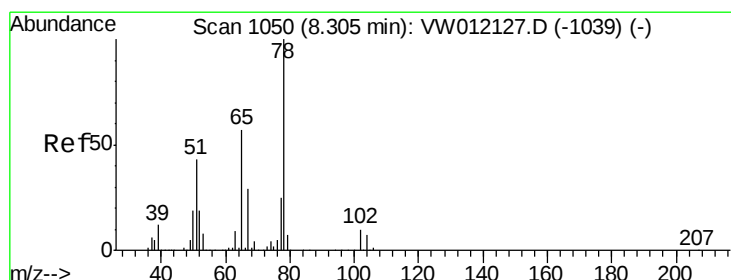
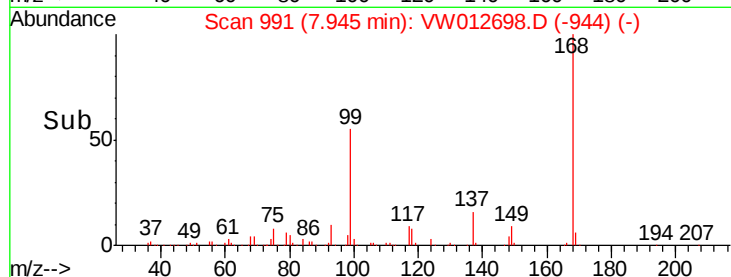
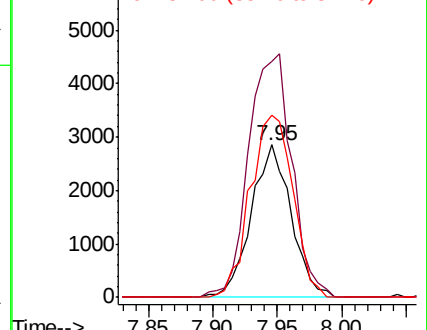
56 100

69 154.3 24.9 37.3#

84 119.5 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: 48.159 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012698.D

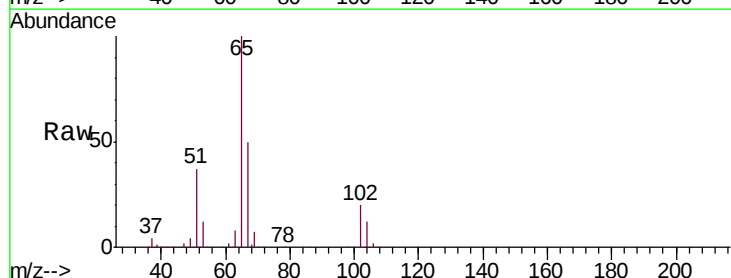
Acq: 06 Sep 2019 19:07

Tgt Ion: 65 Resp: 152700

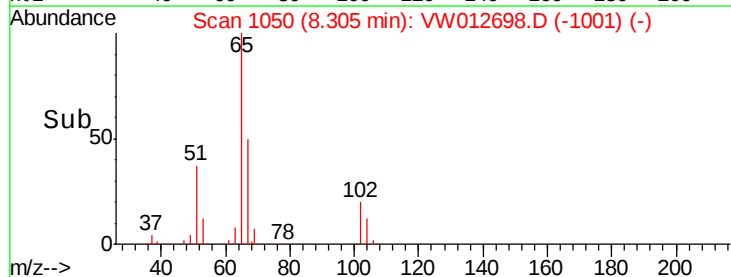
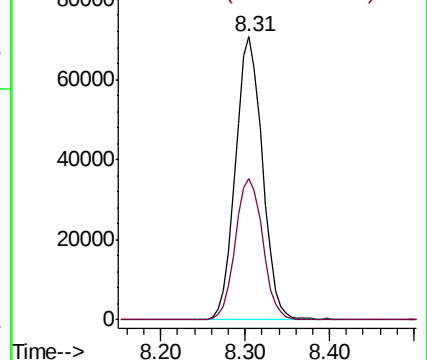
Ion Ratio Lower Upper

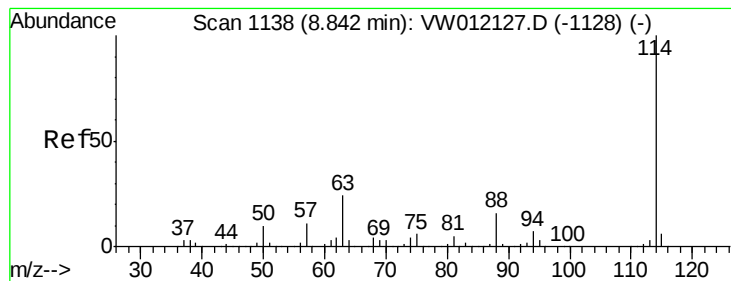
65 100

67 50.9 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: VW012698.D

Acq: 06 Sep 2019 19:07

Instrument :

MSVOA_W

ClientSampleId :

T12-C4-(3.5)

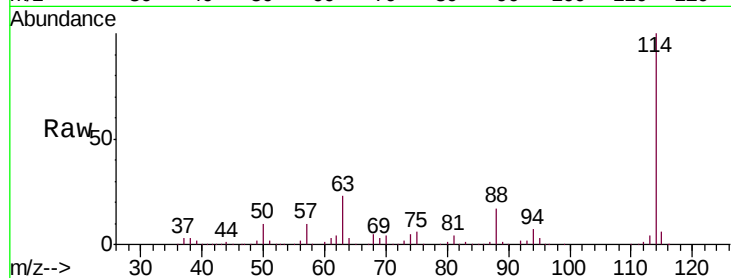
Tgt Ion:114 Resp: 394558

Ion Ratio Lower Upper

114 100

63 23.3 0.0 48.6

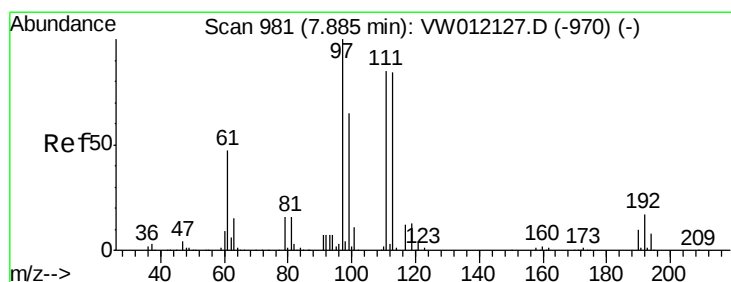
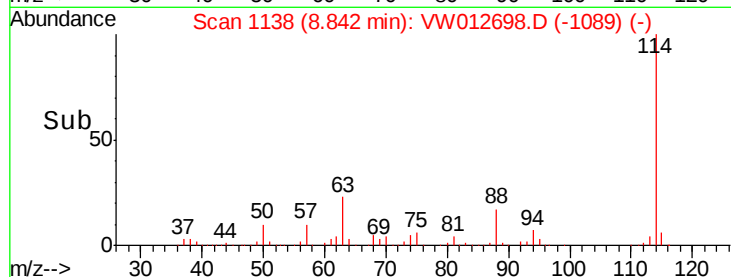
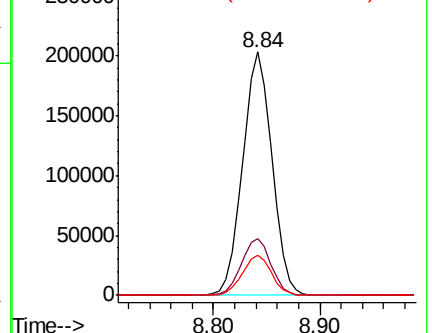
88 16.7 0.0 32.2



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: 52.008 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012698.D

Acq: 06 Sep 2019 19:07

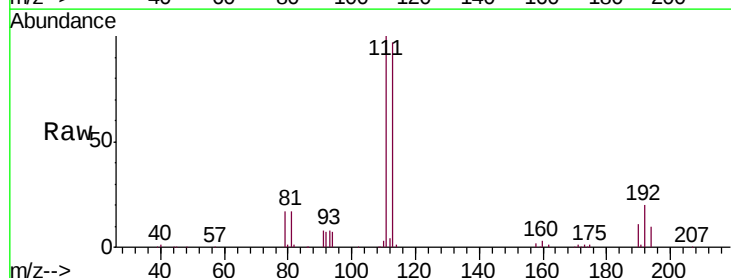
Tgt Ion:113 Resp: 122485

Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

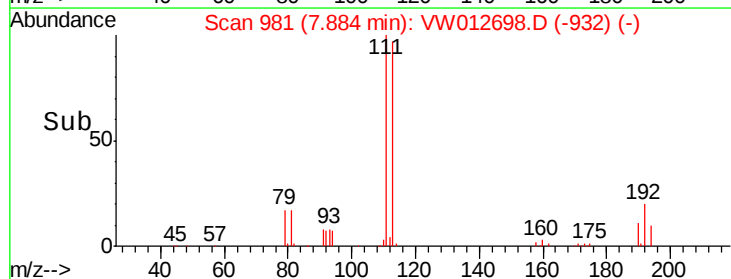
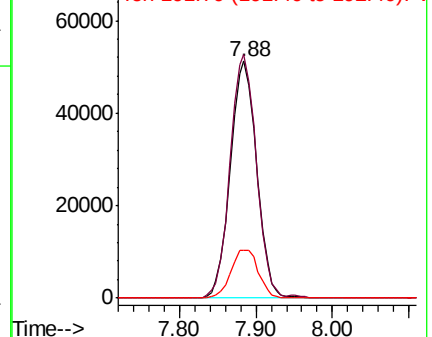
192 21.2 16.2 24.2

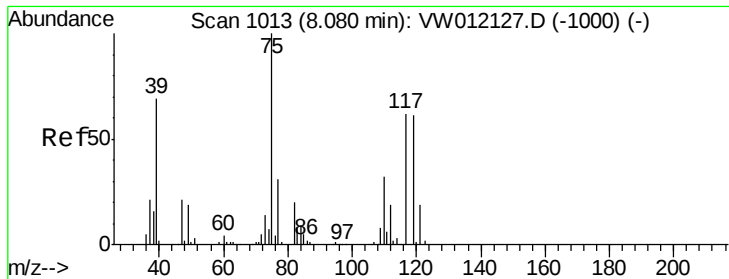


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

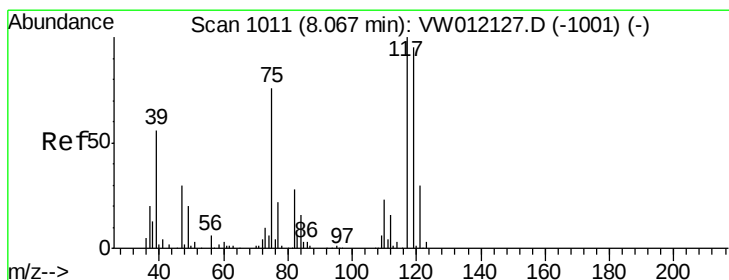
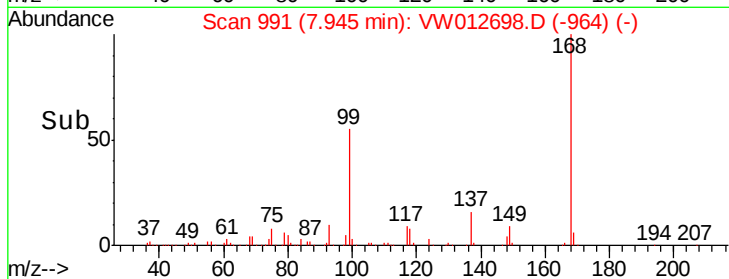
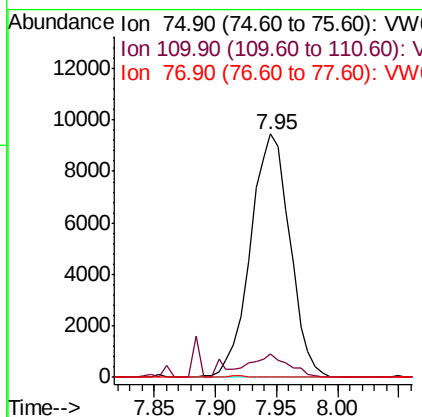
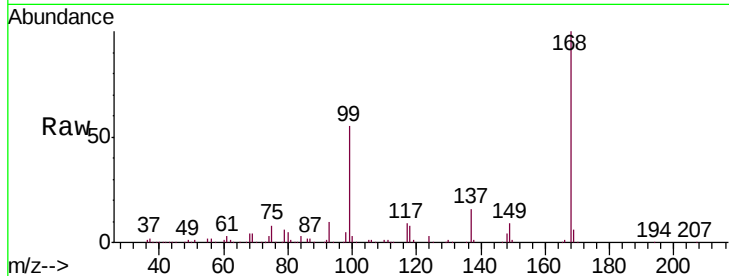




#36
 1,1-Dichloropropene
 Concen: 5.200 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012698.D
 Acq: 06 Sep 2019 19:07

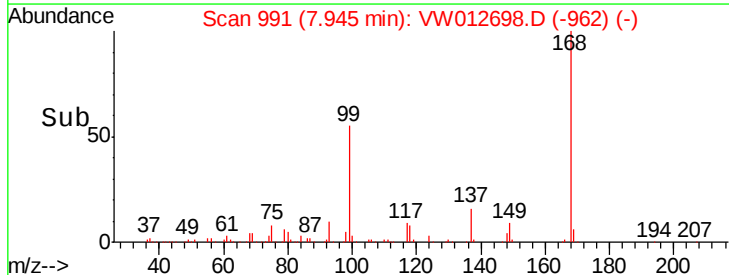
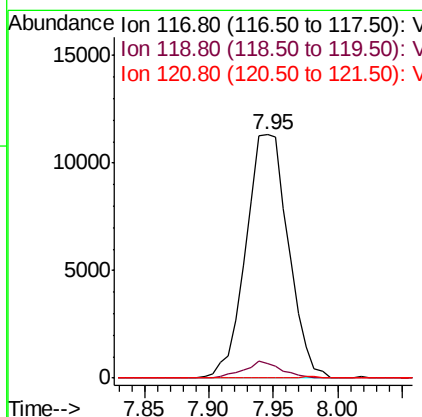
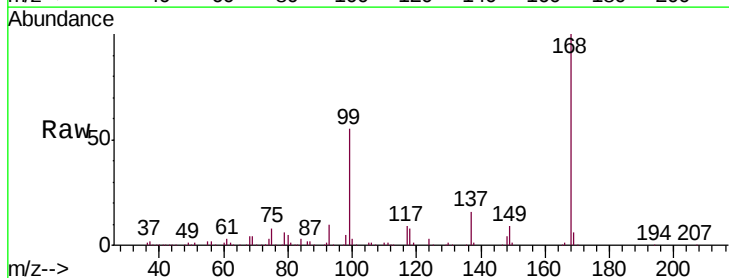
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-C4-(3.5)

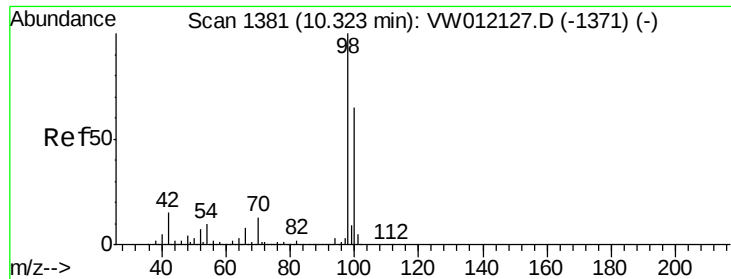
Tgt Ion: 75 Resp: 21202
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.320 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012698.D
 Acq: 06 Sep 2019 19:07

Tgt Ion: 117 Resp: 25832
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.2 114.2#
 121 0.0 23.8 35.8#

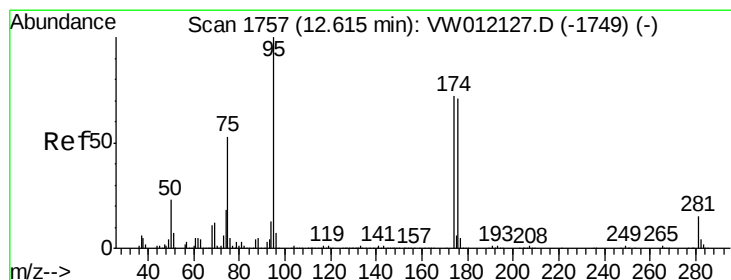
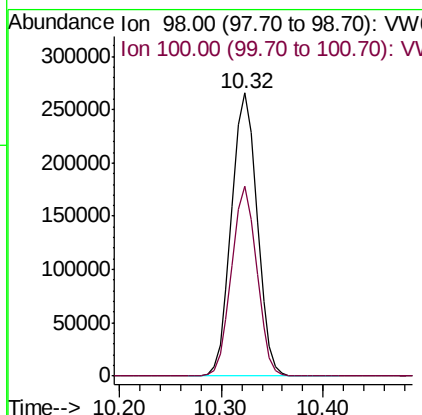
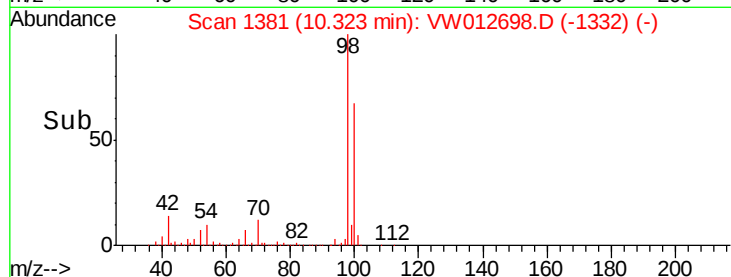
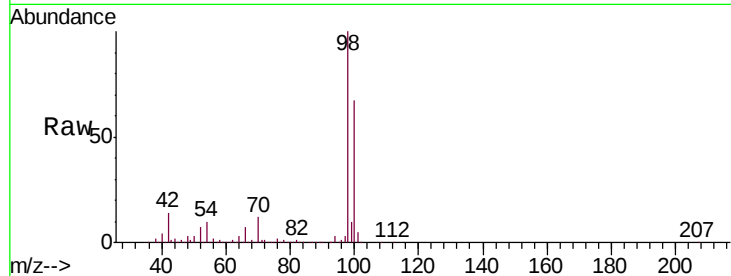




#50
Toluene-d8
Concen: 48.514 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012698.D
Acq: 06 Sep 2019 19:07

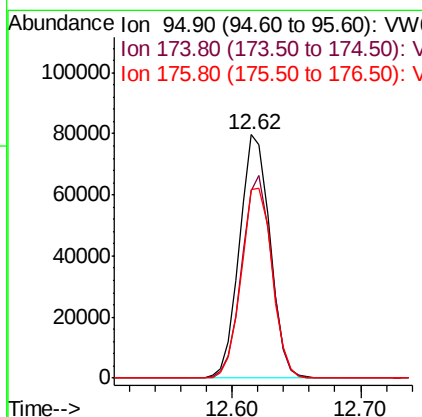
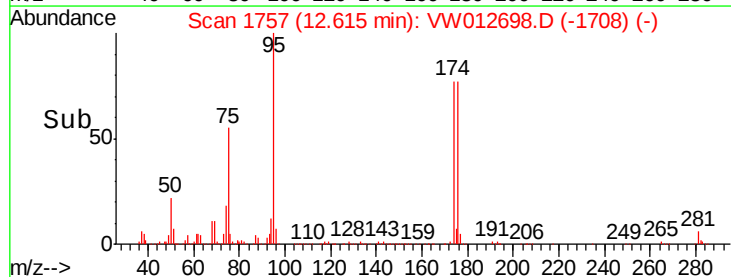
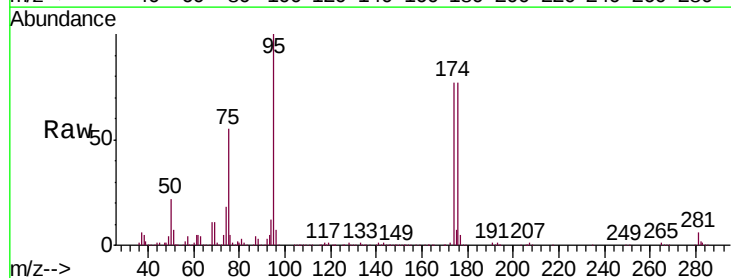
Instrument :
MSVOA_W
ClientSampleId :
T12-C4-(3.5)

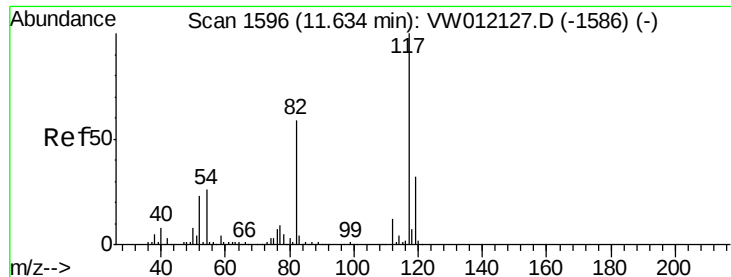
Tgt Ion: 98 Resp: 463280
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 38.886 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012698.D
Acq: 06 Sep 2019 19:07

Tgt Ion: 95 Resp: 130897
Ion Ratio Lower Upper
95 100
174 81.0 0.0 150.8
176 78.6 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: VW012698.D

Acq: 06 Sep 2019 19:07

Instrument :

MSVOA_W

ClientSampleId :

T12-C4-(3.5)

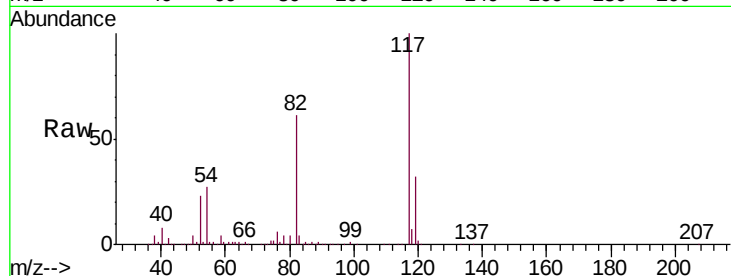
Tgt Ion:117 Resp: 299577

Ion Ratio Lower Upper

117 100

82 60.6 47.4 71.2

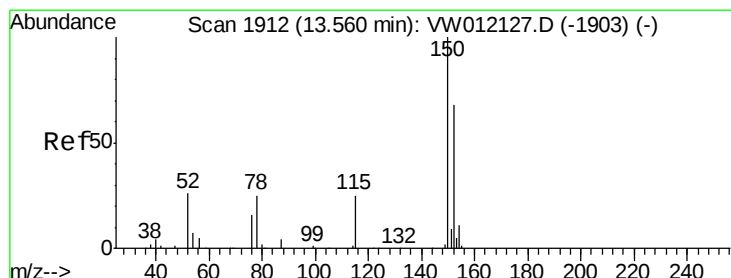
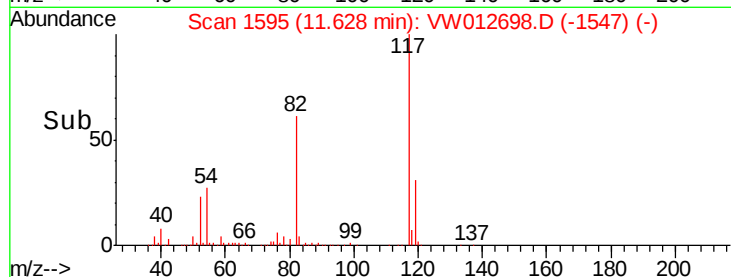
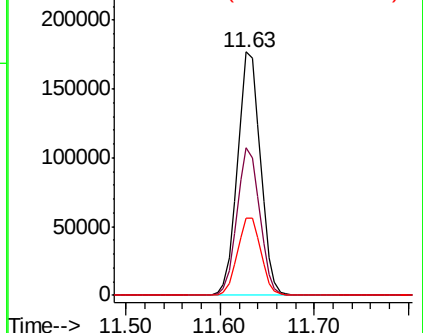
119 31.5 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VW012698.D

Acq: 06 Sep 2019 19:07

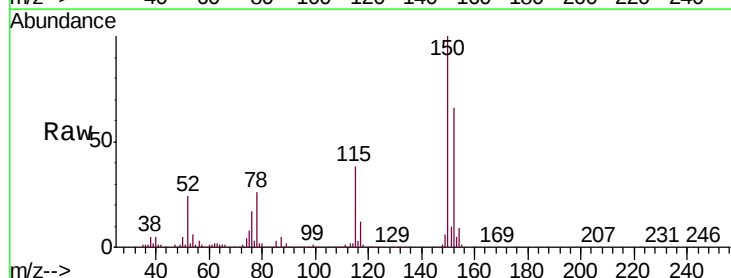
Tgt Ion:152 Resp: 105983

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.3

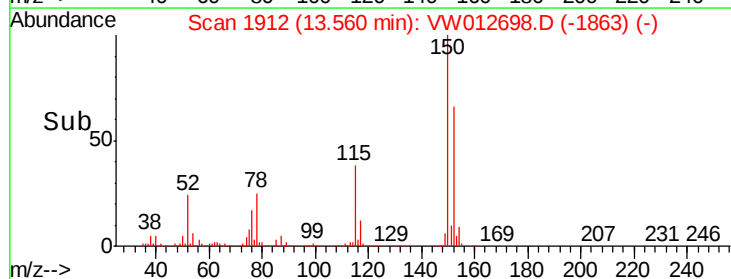
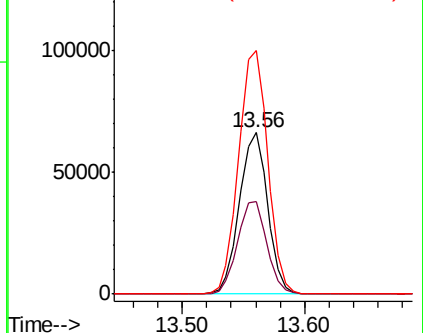
150 155.8 0.0 345.8

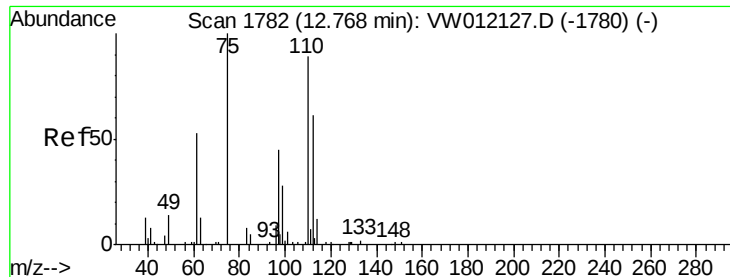


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 68.294 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012698.D

Acq: 06 Sep 2019 19:07

Instrument :

MSVOA_W

ClientSampleId :

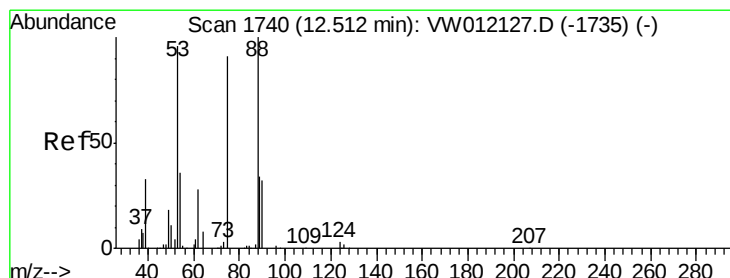
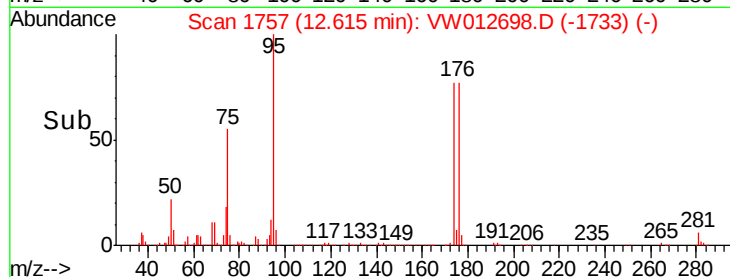
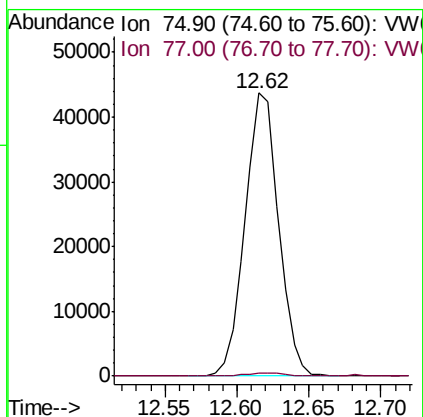
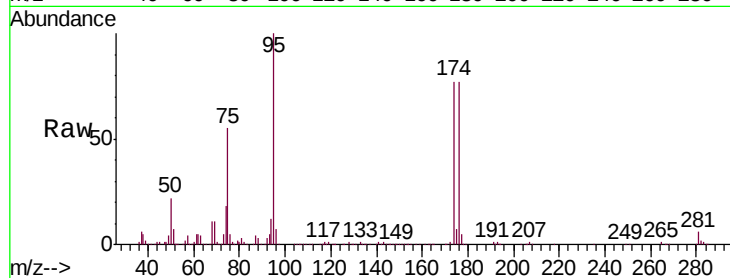
T12-C4-(3.5)

Tgt Ion: 75 Resp: 70493

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.737 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012698.D

Acq: 06 Sep 2019 19:07

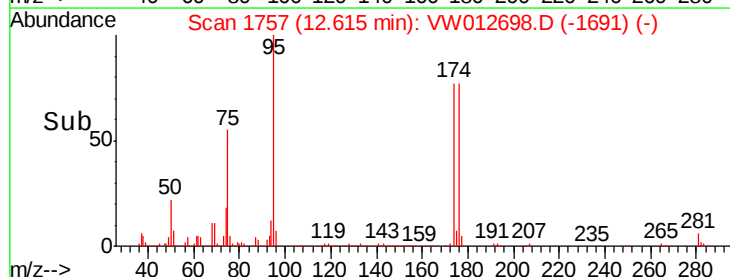
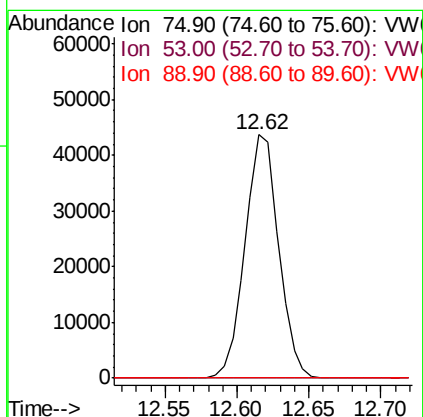
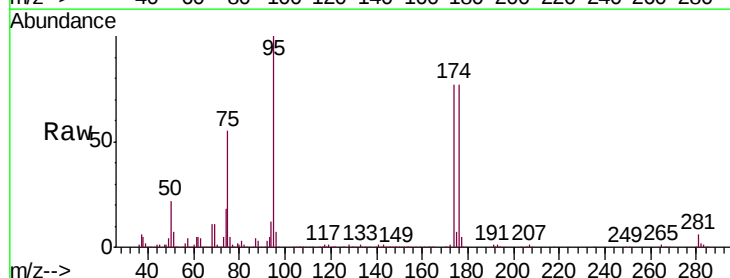
Tgt Ion: 75 Resp: 70493

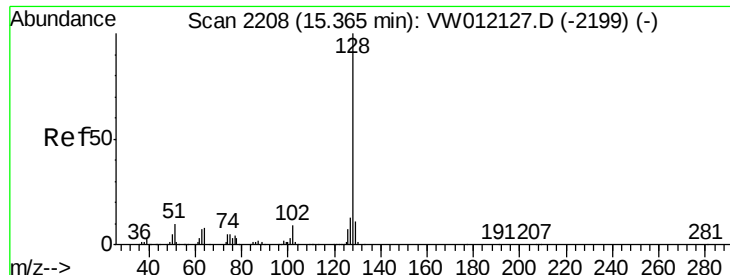
Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.1 34.5 51.7#

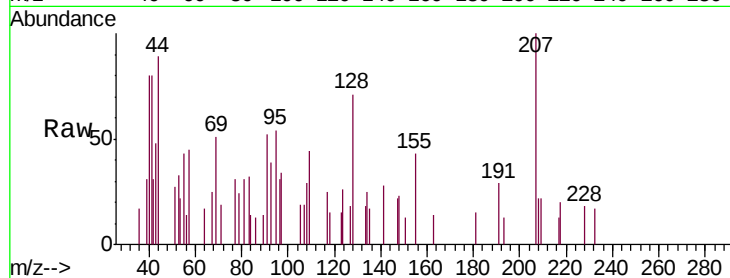




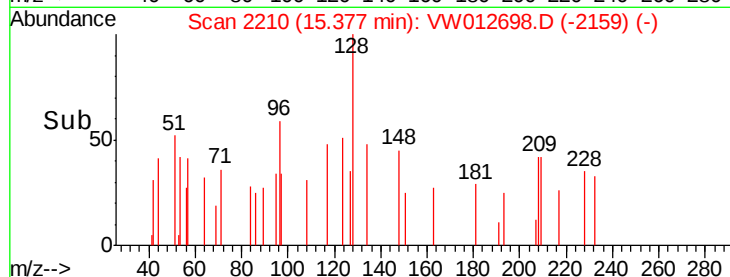
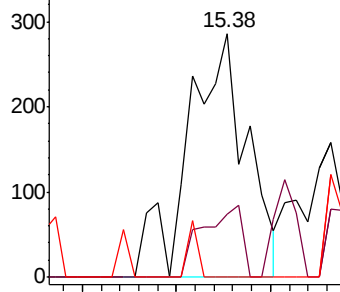
#95
 Naphthalene
 Concen: 4.462 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW012698.D
 Acq: 06 Sep 2019 19:07

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-C4-(3.5)

Tgt Ion:128 Resp: 616
 Ion Ratio Lower Upper
 128 100
 127 19.6 10.7 16.1#
 129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->