

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
 Data File : VW012603.D
 Acq On : 04 Sep 2019 18:49
 Operator : SY/VA
 Sample : K4525-04RE
 Misc : 6.85G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-A3-(0)

Quant Time: Sep 05 07:01:15 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

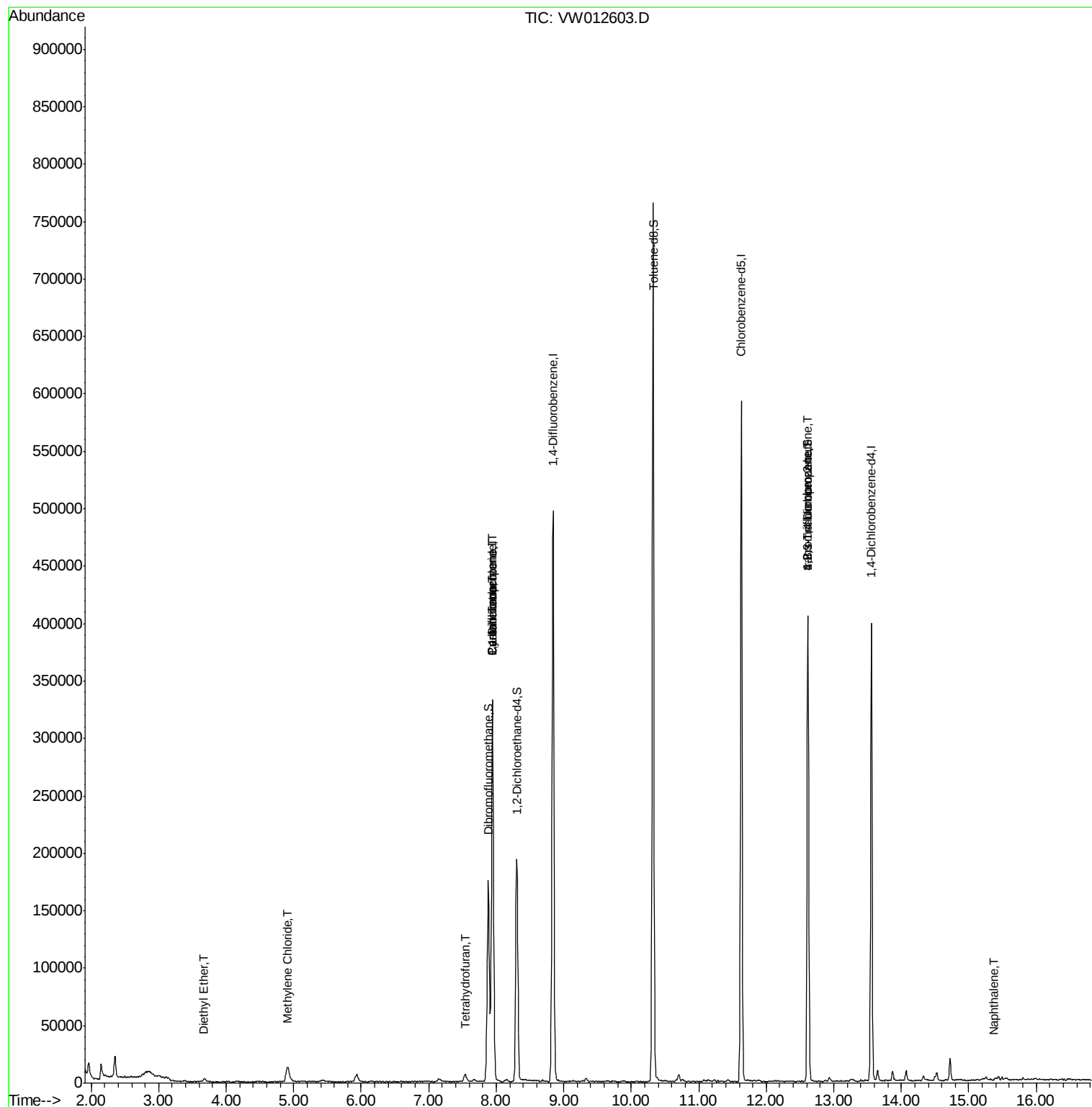
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	236727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98528	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	161860	57.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.04%	
35) Dibromofluoromethane	7.88	113	123442	53.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.80%	
50) Toluene-d8	10.32	98	469715	50.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.62	95	125792	38.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.14%	
Target Compounds						
8) Diethyl Ether	3.67	74	1406	1.067	ug/l	61
20) Methylene Chloride	4.90	84	9469	3.482	ug/l	97
29) Tetrahydrofuran	7.54	42	6126	10.446	ug/l	98
31) Cyclohexane	7.95	56	5965	1.177	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19846	4.959	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25081	7.240	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	71026	74.017	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71026	162.285	ug/l #	6
95) Naphthalene	15.36	128	344	4.406	ug/l #	80

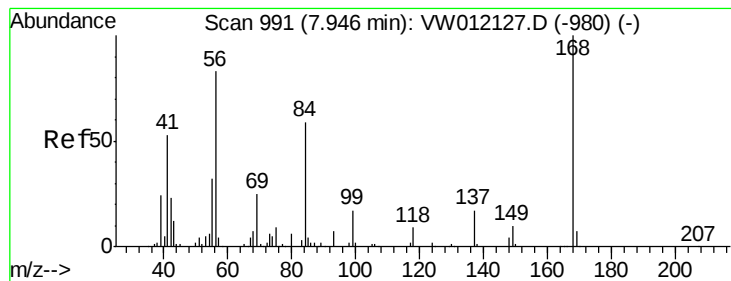
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012603.D

Acq: 04 Sep 2019 18:49

Instrument :

MSVOA_W

ClientSampleId :

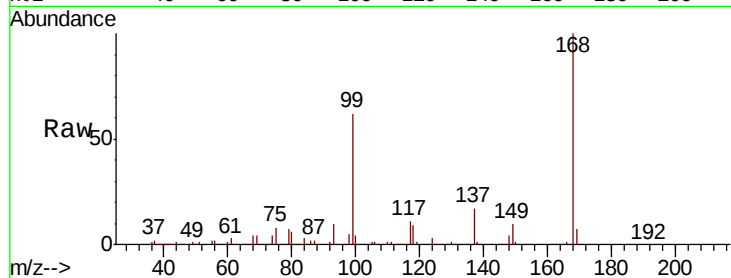
T9-12-13-A3-(0)

Tgt Ion:168 Resp: 236727

Ion Ratio Lower Upper

168 100

99 61.6 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

120000

100000

80000

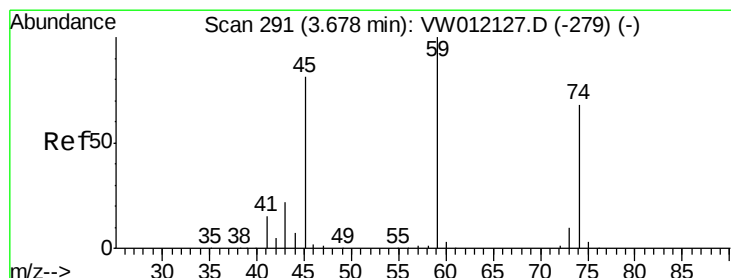
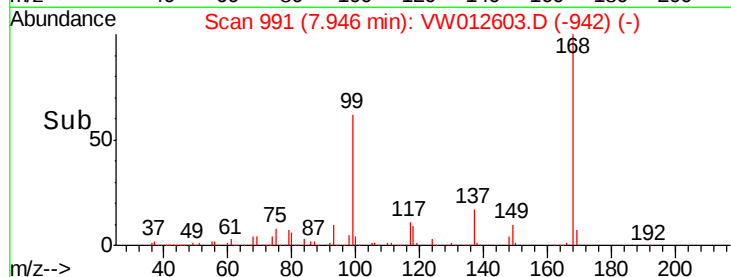
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.067 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012603.D

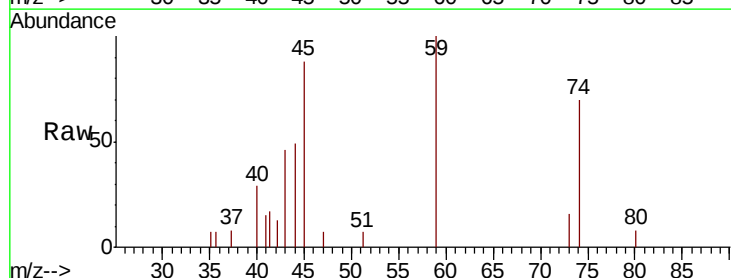
Acq: 04 Sep 2019 18:49

Tgt Ion: 74 Resp: 1406

Ion Ratio Lower Upper

74 100

45 160.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

800

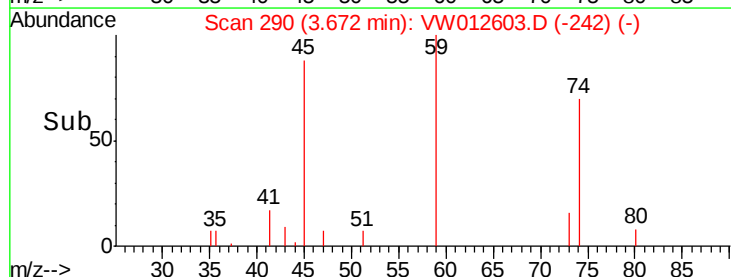
600

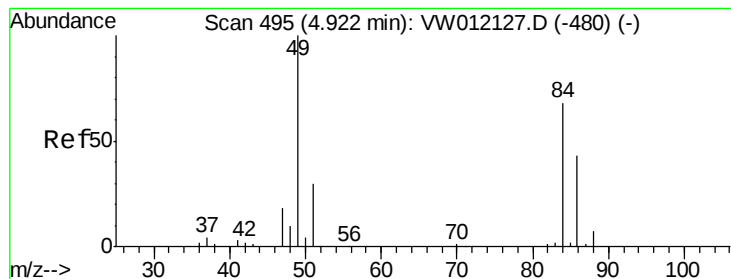
400

200

0

Time--> 3.60 3.65 3.70 3.75





#20

Methylene Chloride

Concen: 3.482 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012603.D

Acq: 04 Sep 2019 18:49

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A3-(0)

Tgt Ion: 84 Resp: 9469

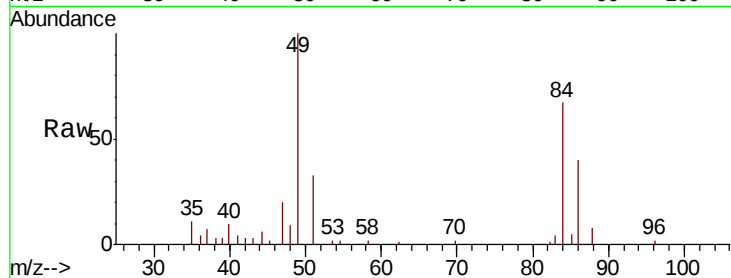
Ion Ratio Lower Upper

84 100

49 147.7 117.8 176.8

51 48.8 35.6 53.4

86 59.5 51.2 76.8



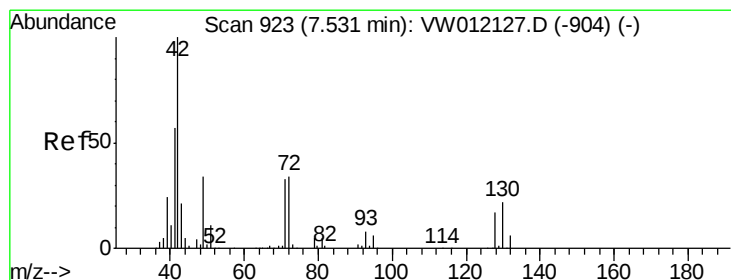
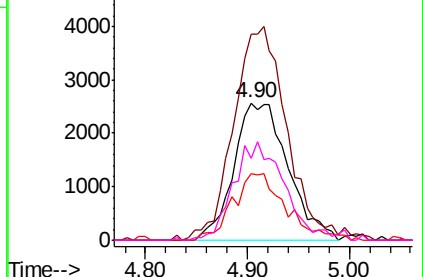
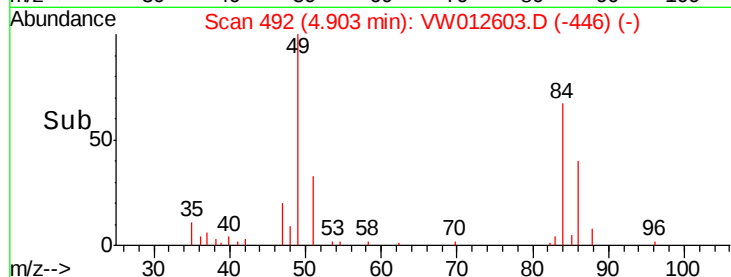
Abundance

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



#29

Tetrahydrofuran

Concen: 10.446 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012603.D

Acq: 04 Sep 2019 18:49

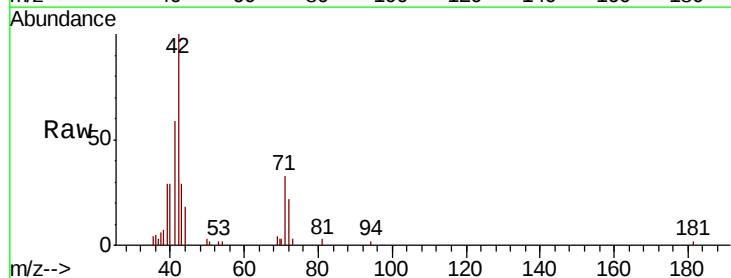
Tgt Ion: 42 Resp: 6126

Ion Ratio Lower Upper

42 100

72 32.8 27.3 40.9

71 31.0 25.5 38.3

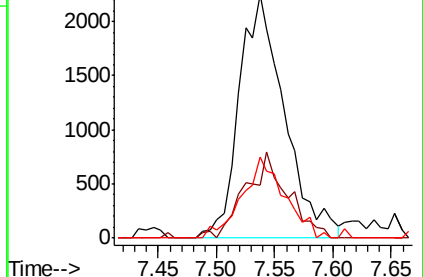
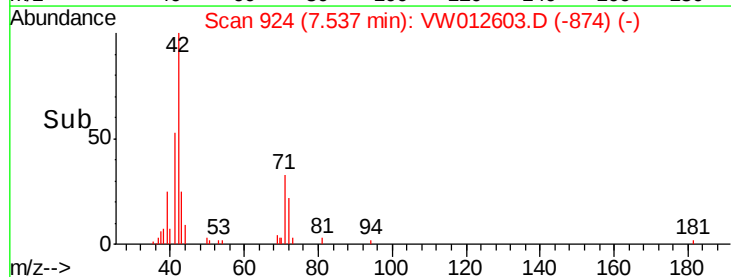


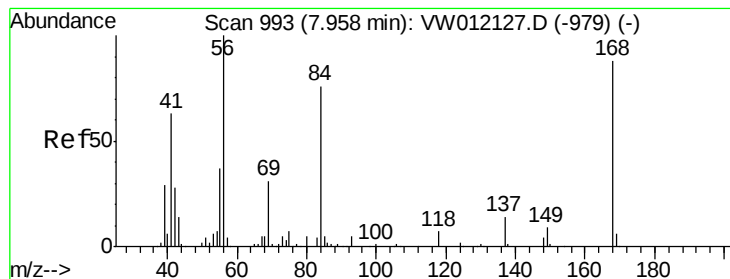
Abundance

Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.177 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012603.D

Acq: 04 Sep 2019 18:49

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A3-(0)

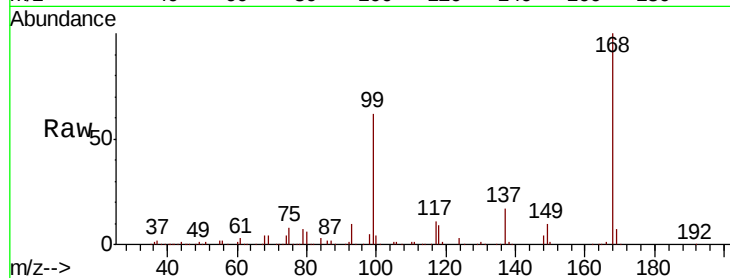
Tgt Ion: 56 Resp: 5965

Ion Ratio Lower Upper

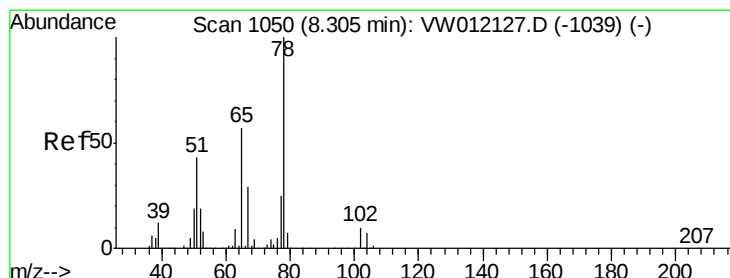
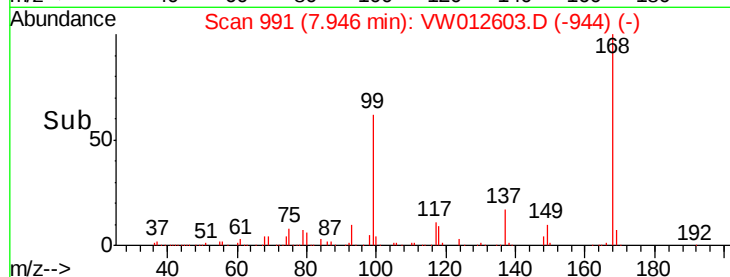
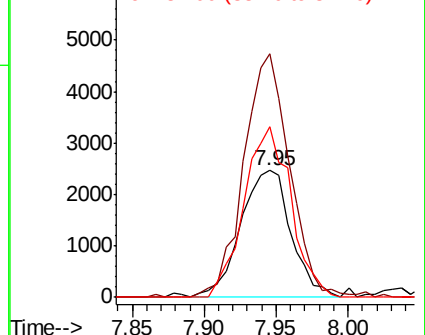
56 100

69 192.0 24.9 37.3#

84 134.5 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: 57.517 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012603.D

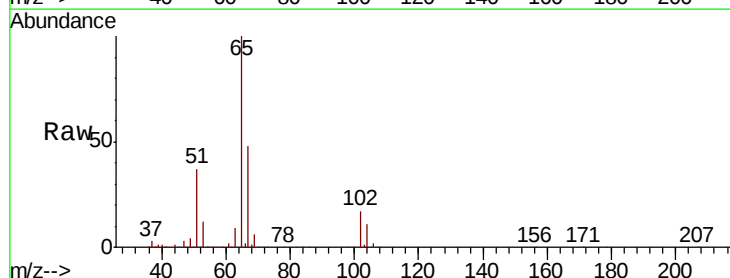
Acq: 04 Sep 2019 18:49

Tgt Ion: 65 Resp: 161860

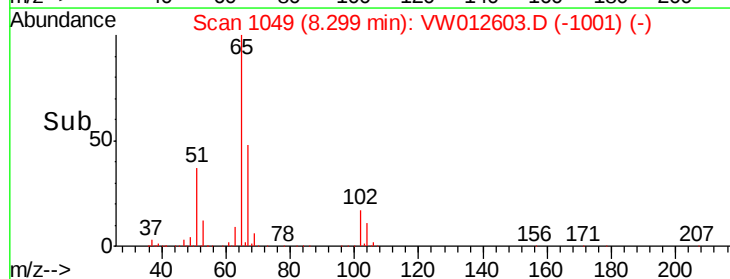
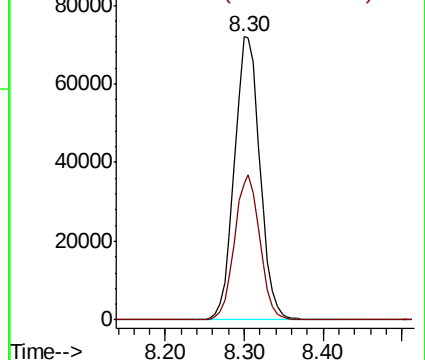
Ion Ratio Lower Upper

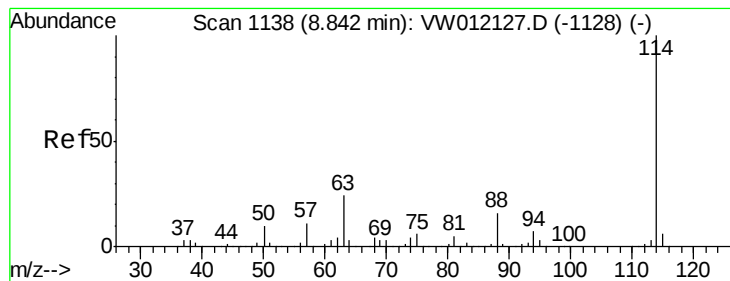
65 100

67 50.7 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: VW012603.D

Acq: 04 Sep 2019 18:49

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A3-(0)

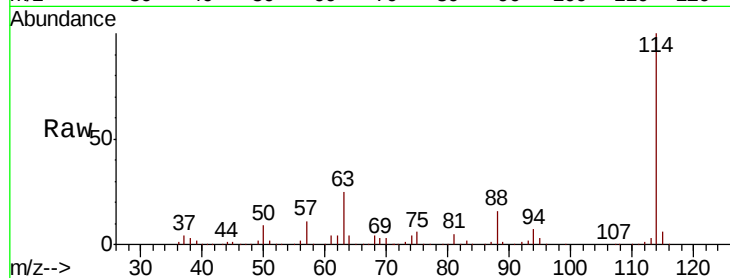
Tgt Ion:114 Resp: 387290

Ion Ratio Lower Upper

114 100

63 24.6 0.0 48.6

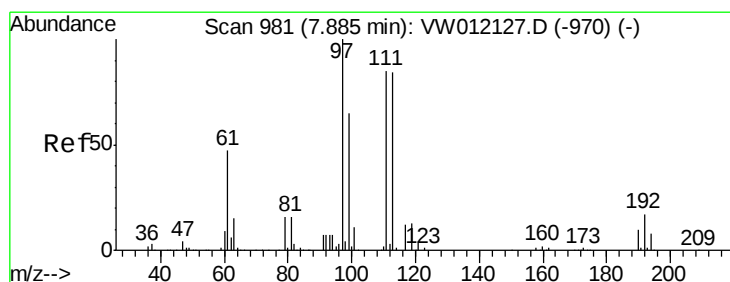
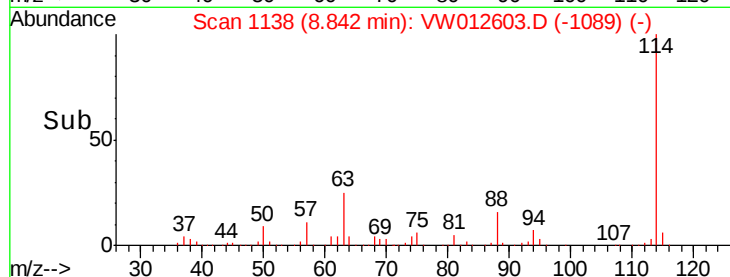
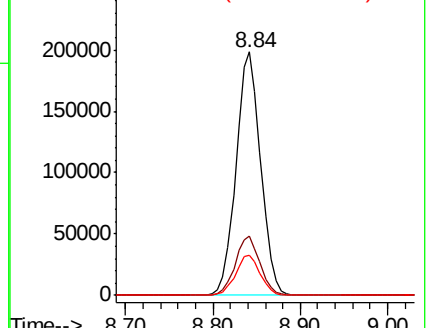
88 16.4 0.0 32.2



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: 53.398 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012603.D

Acq: 04 Sep 2019 18:49

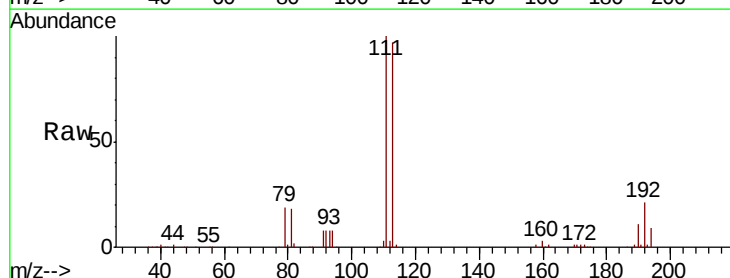
Tgt Ion:113 Resp: 123442

Ion Ratio Lower Upper

113 100

111 103.5 82.7 124.1

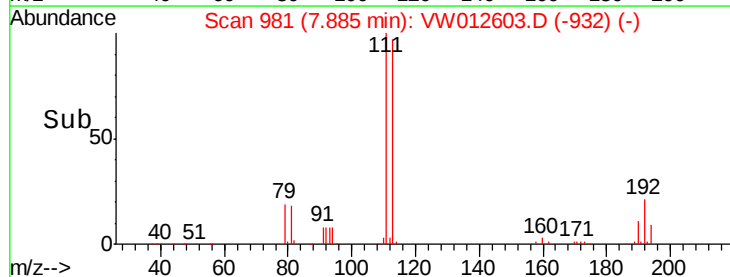
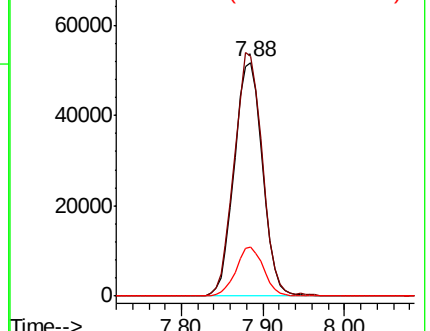
192 20.6 16.2 24.2

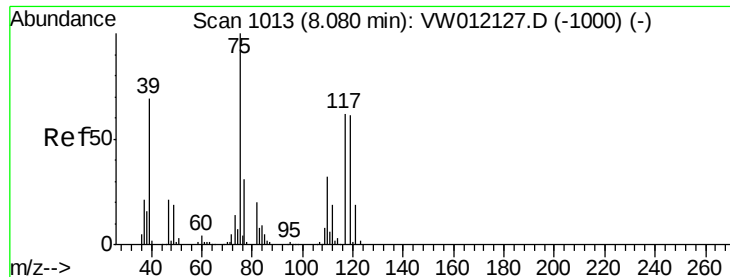


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

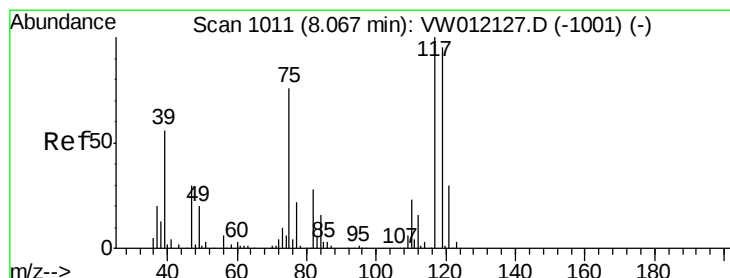
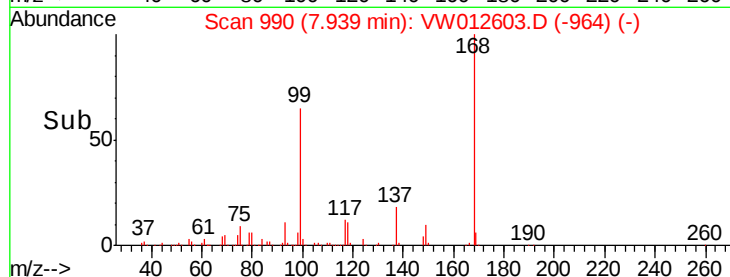
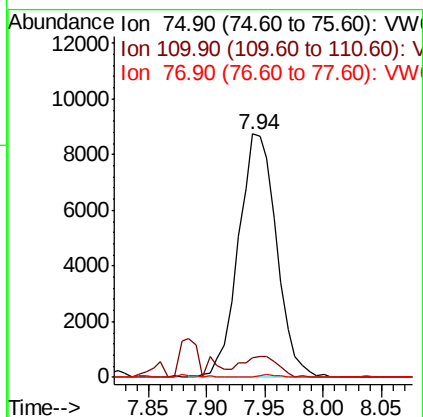
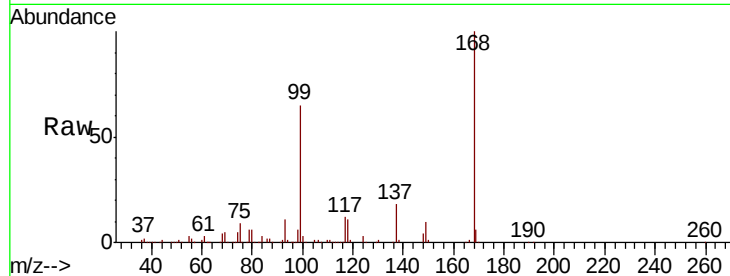




#36
 1,1-Dichloropropene
 Concen: 4.959 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012603.D
 Acq: 04 Sep 2019 18:49

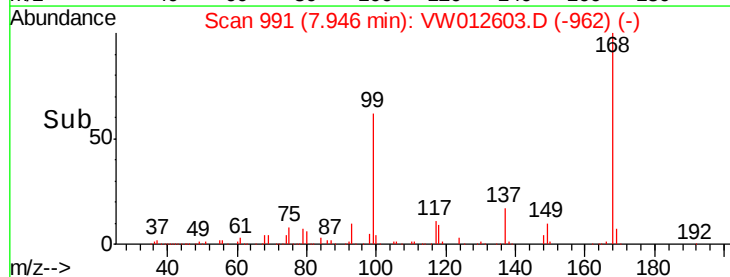
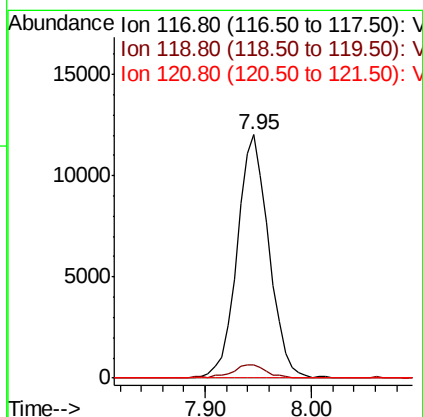
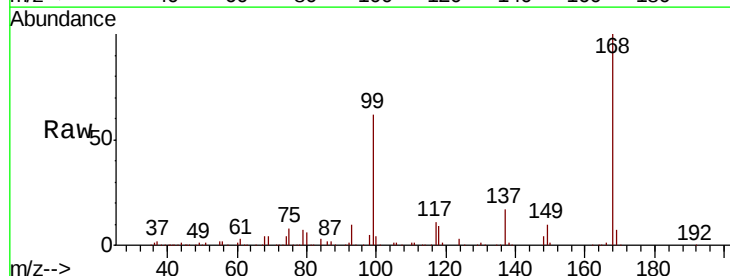
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-A3-(0)

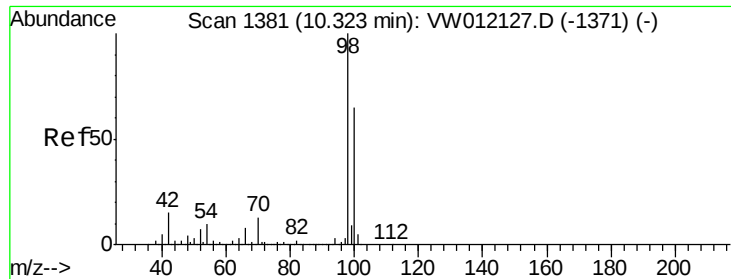
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	15.6	46.8#
77	0.5	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 7.240 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012603.D
 Acq: 04 Sep 2019 18:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.2	114.2#
121	0.0	23.8	35.8#





#50

Toluene-d8

Concen: 50.111 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012603.D

Acq: 04 Sep 2019 18:49

Instrument :

MSVOA_W

ClientSampleId :

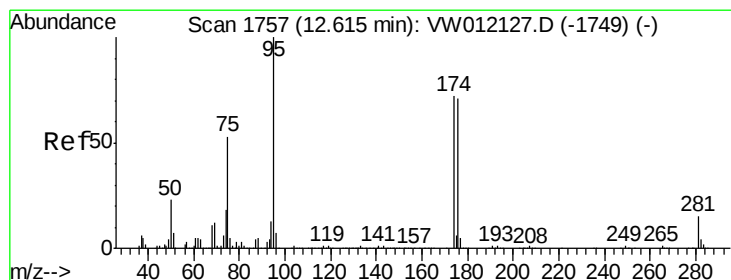
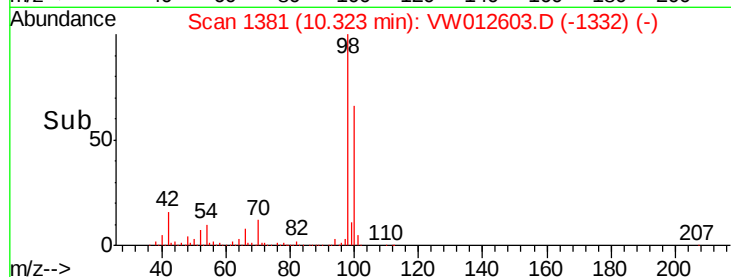
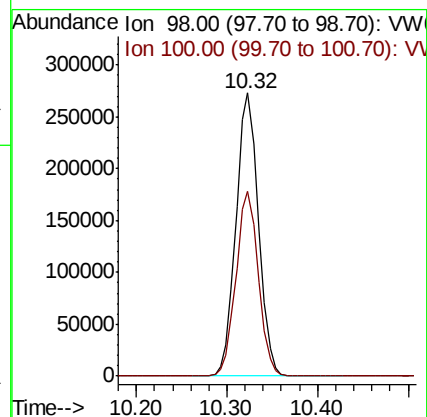
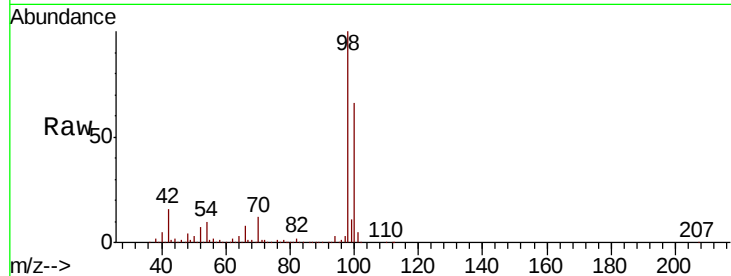
T9-12-13-A3-(0)

Tgt Ion: 98 Resp: 469715

Ion Ratio Lower Upper

98 100

100 65.0 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 38.071 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012603.D

Acq: 04 Sep 2019 18:49

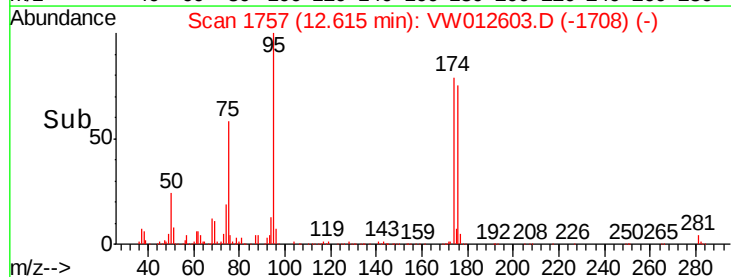
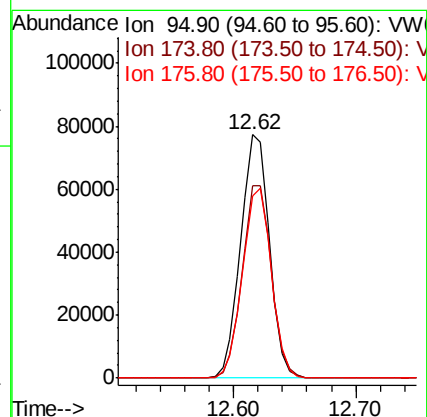
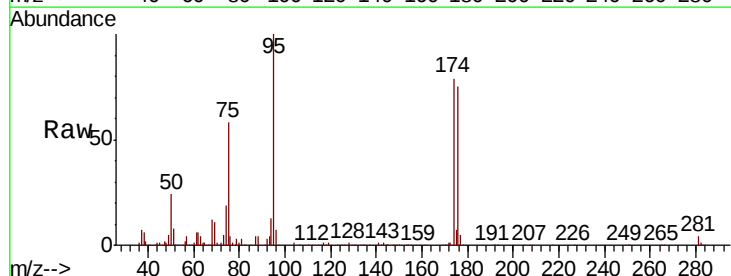
Tgt Ion: 95 Resp: 125792

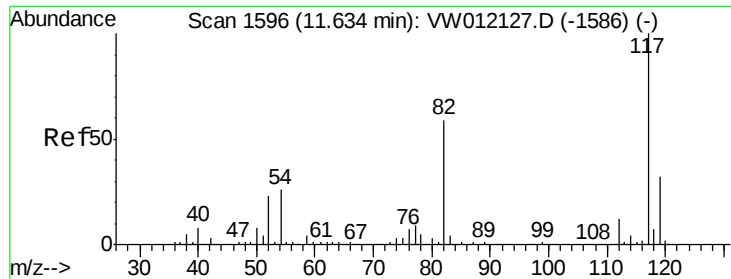
Ion Ratio Lower Upper

95 100

174 80.3 0.0 150.8

176 78.6 0.0 148.6

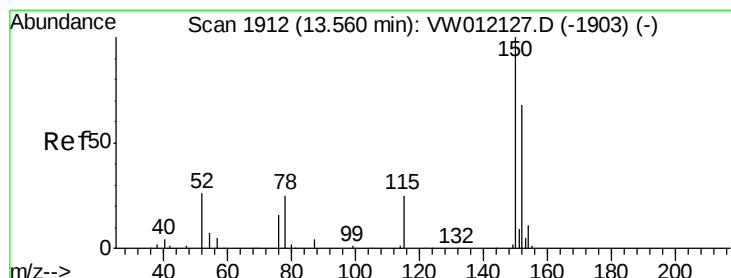
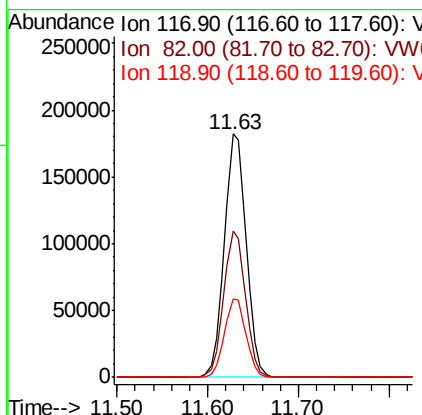
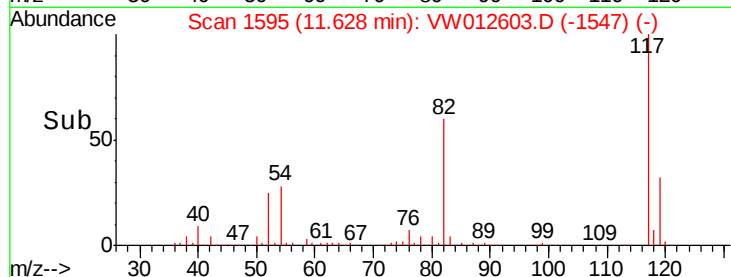
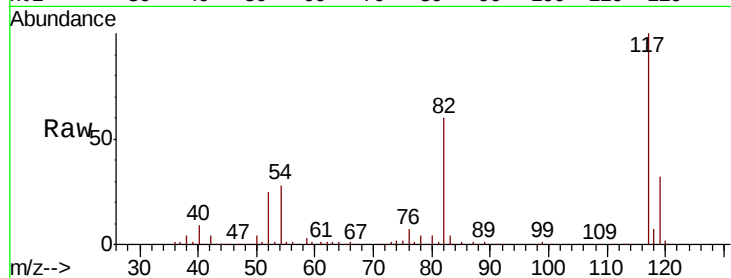




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012603.D
Acq: 04 Sep 2019 18:49

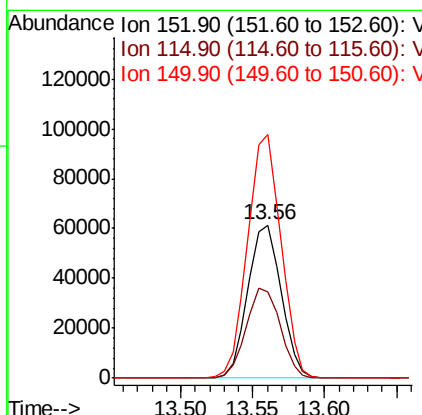
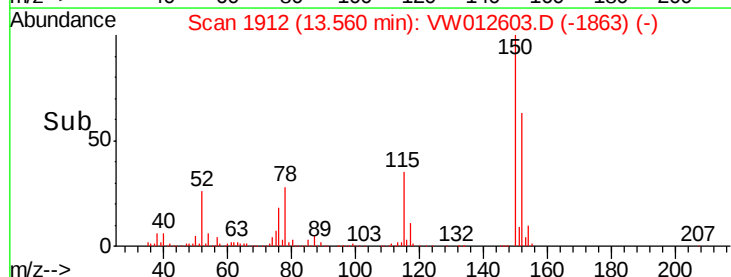
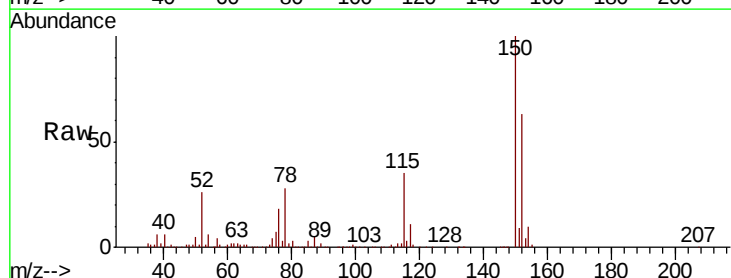
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A3-(0)

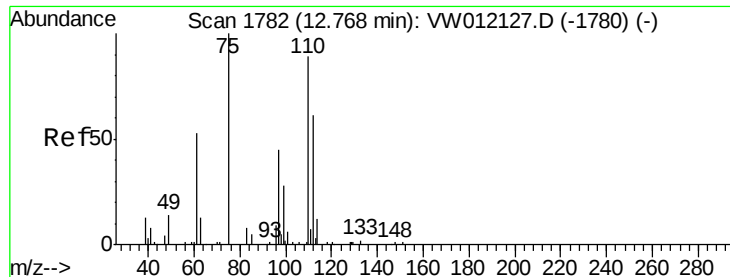
Tgt Ion:117 Resp: 306524
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012603.D
Acq: 04 Sep 2019 18:49

Tgt Ion:152 Resp: 98528
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.3
150 159.3 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 74.017 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012603.D

Acq: 04 Sep 2019 18:49

Instrument :

MSVOA_W

ClientSampleId :

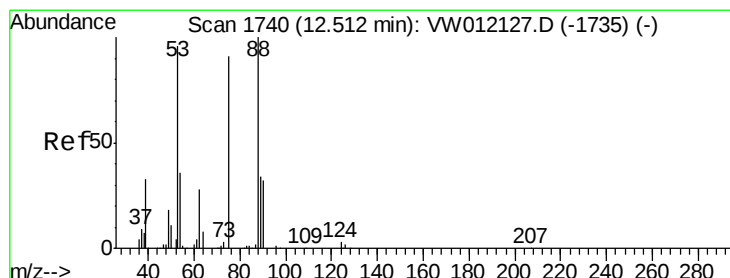
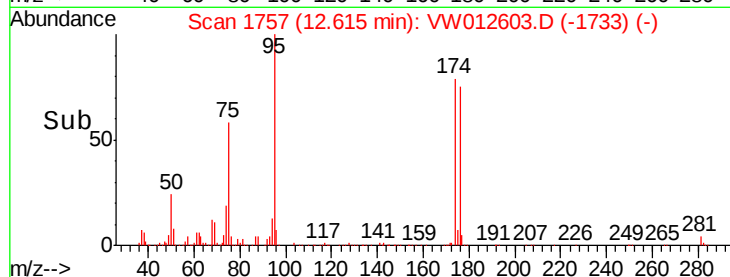
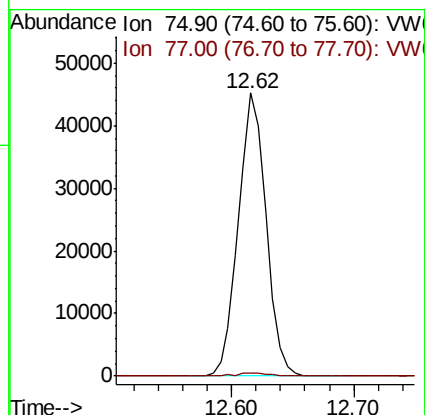
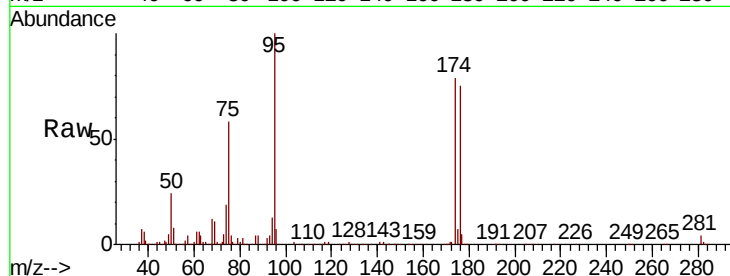
T9-12-13-A3-(0)

Tgt Ion: 75 Resp: 71026

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 162.285 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012603.D

Acq: 04 Sep 2019 18:49

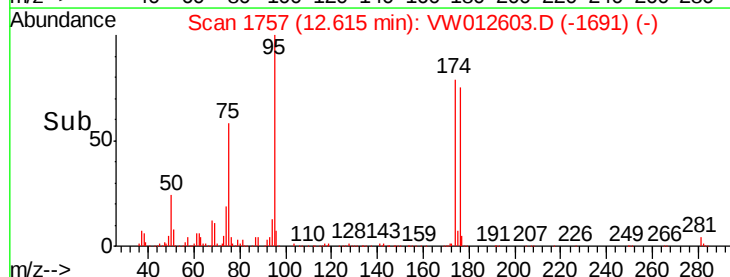
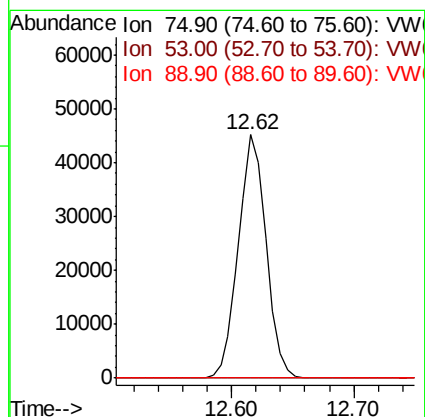
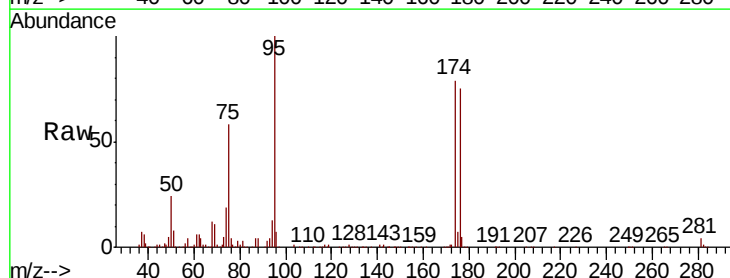
Tgt Ion: 75 Resp: 71026

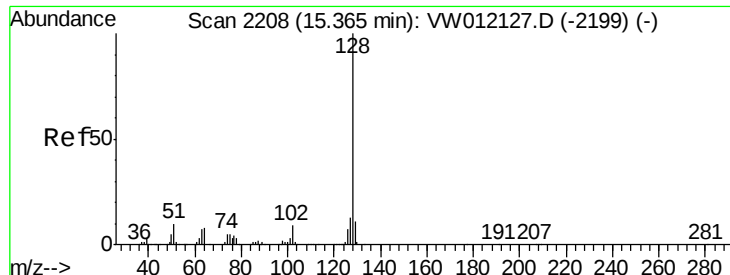
Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

89 0.1 34.5 51.7#





#95

Naphthalene

Concen: 4.406 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012603.D

Acq: 04 Sep 2019 18:49

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A3-(0)

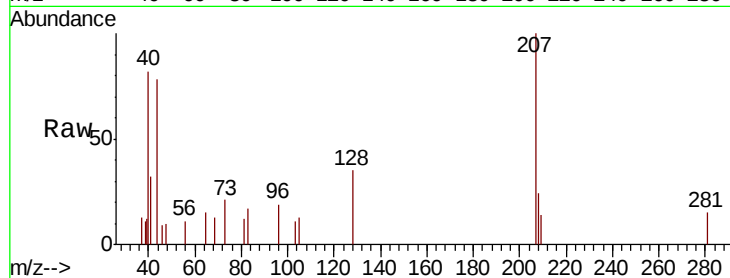
Tgt Ion:128 Resp: 344

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 9.9 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

