

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012156.D
 Acq On : 24 Aug 2019 01:25
 Operator : SY/VA
 Sample : K4474-20
 Misc : 5.79G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-A-(2.5)

Quant Time: Aug 26 07:32:32 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	247106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130126	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	164682	56.06	ug/l	0.00
Spiked Amount			Recovery	=	112.12%	
35) Dibromofluoromethane	7.88	113	130798	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
50) Toluene-d8	10.32	98	513888	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.62	95	156521	43.41	ug/l	0.00
Spiked Amount			Recovery	=	86.82%	

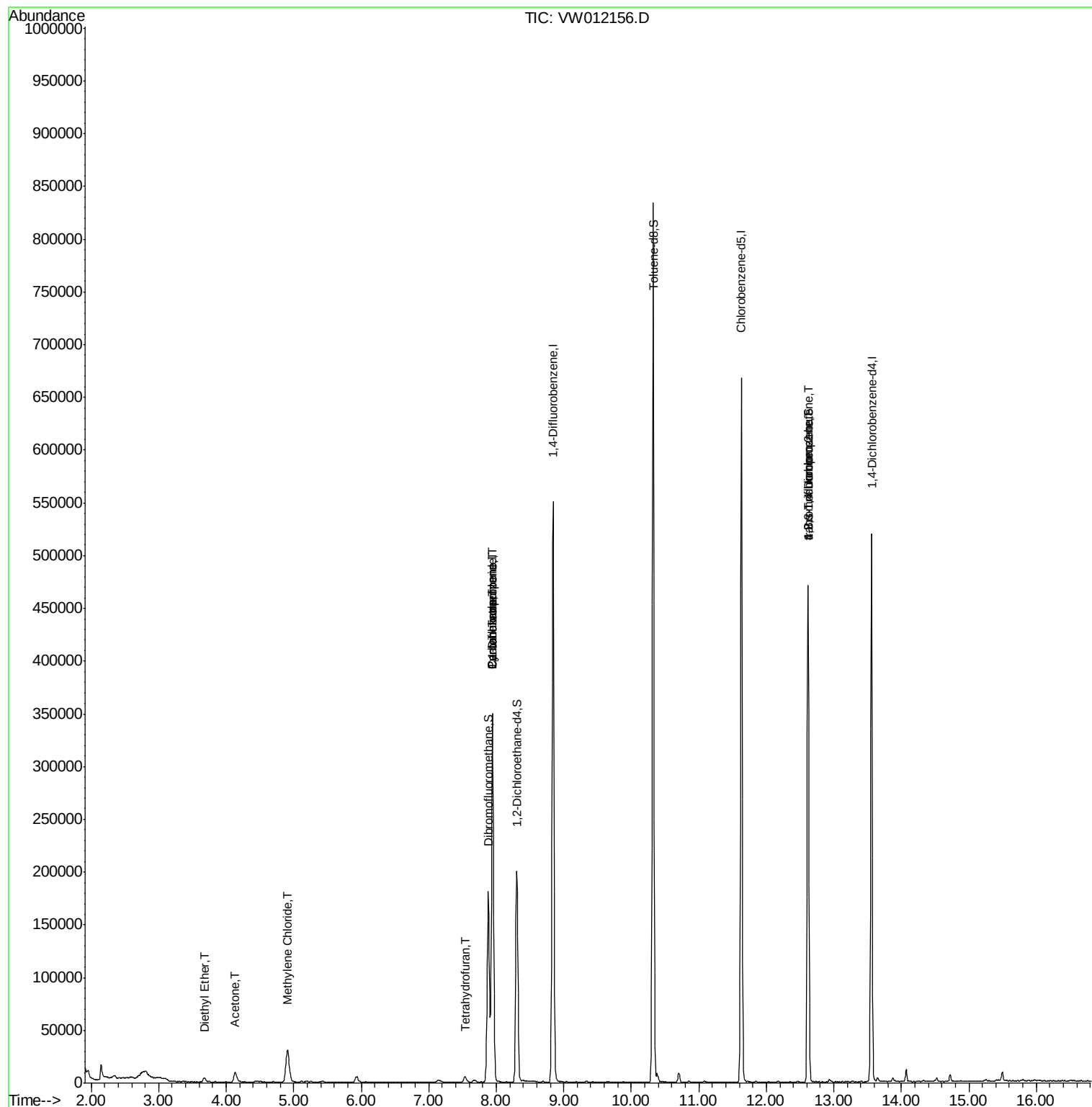
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2146	1.561	ug/l	59
16) Acetone	4.13	43	19062	25.386	ug/l	99
20) Methylene Chloride	4.92	84	23339	8.222	ug/l	95
29) Tetrahydrofuran	7.54	42	4760	7.776	ug/l	96
31) Cyclohexane	7.94	56	6377	1.205	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21354	4.889	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25399	6.719	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	83648	66.003	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83648	144.714	ug/l #	6

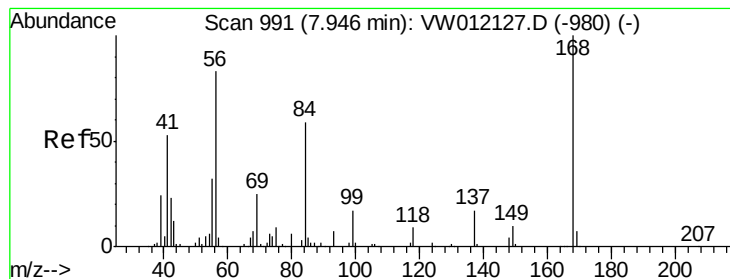
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012156.D

Acq: 24 Aug 2019 01:25

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MSVOA_W

ClientSampleId :

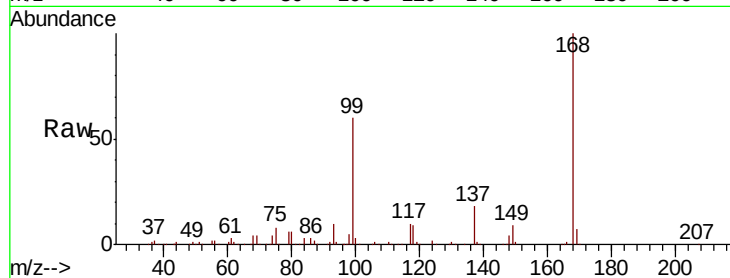
T1-2-A-(2.5)

Tgt Ion:168 Resp: 247106

Ion Ratio Lower Upper

168 100

99 60.5 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

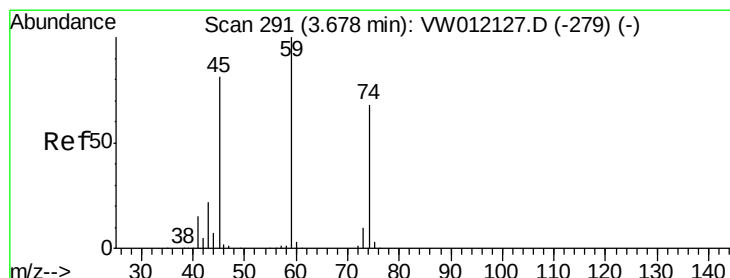
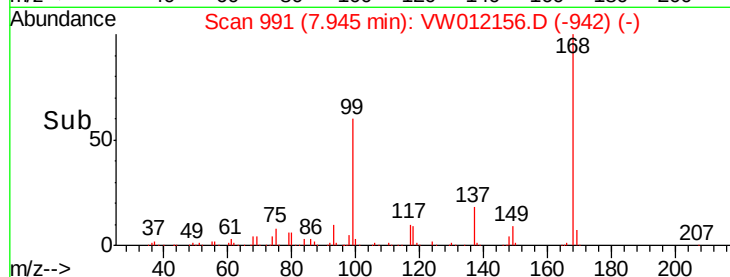
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.561 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012156.D

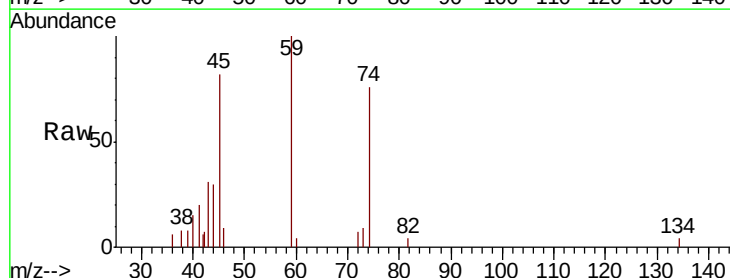
Acq: 24 Aug 2019 01:25

Tgt Ion: 74 Resp: 2146

Ion Ratio Lower Upper

74 100

45 163.8 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

1200

1000

800

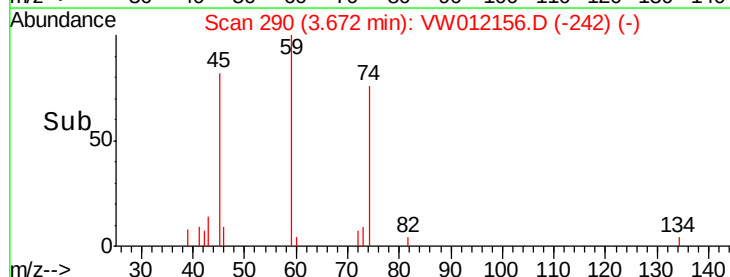
600

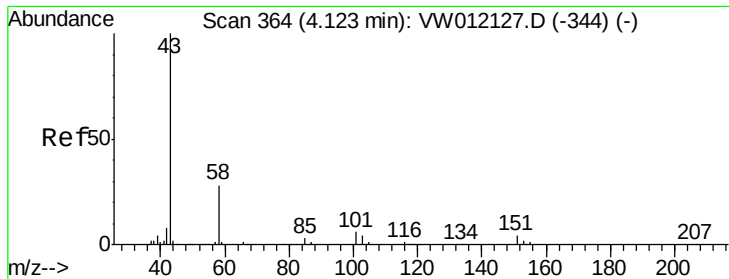
400

200

0

Time-->

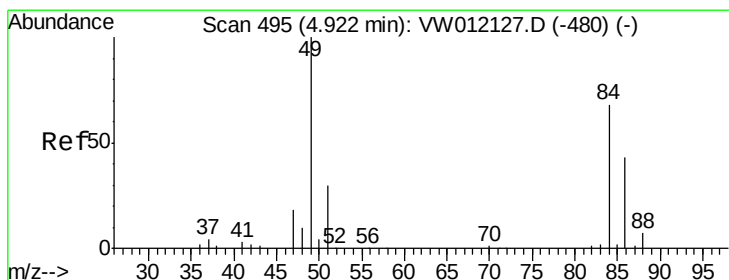
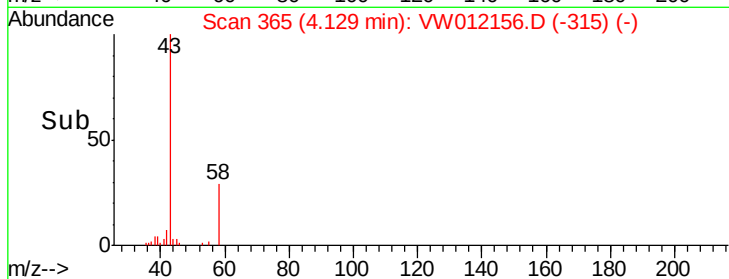
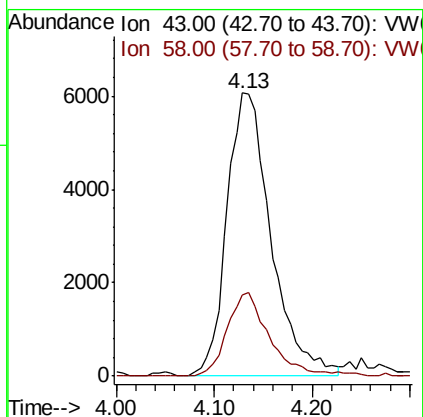
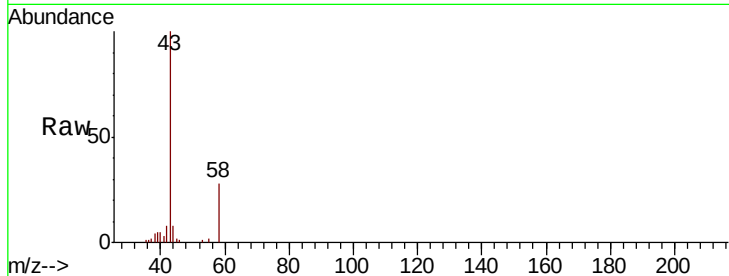




#16
Acetone
Concen: 25.386 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012156.D
Acq: 24 Aug 2019 01:25

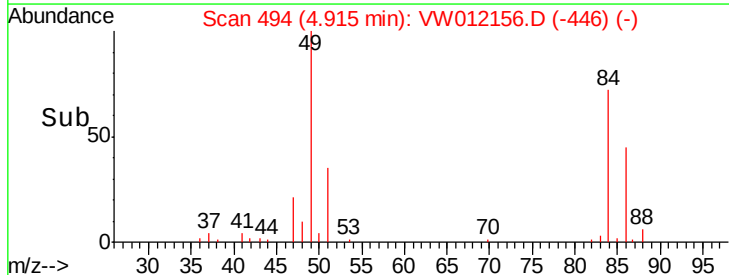
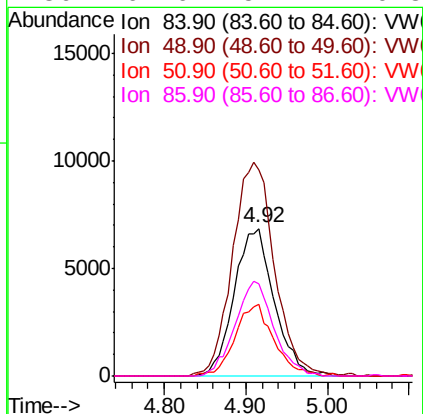
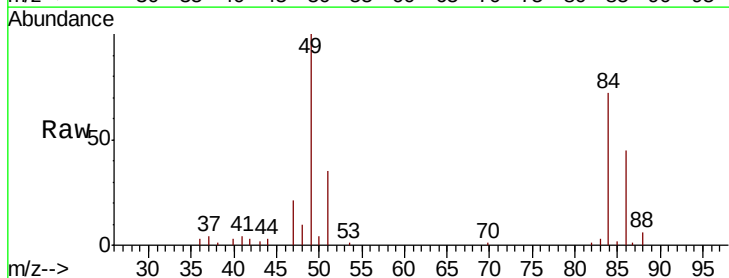
Instrument :
MSVOA_W
ClientSampleId :
T1-2-A-(2.5)

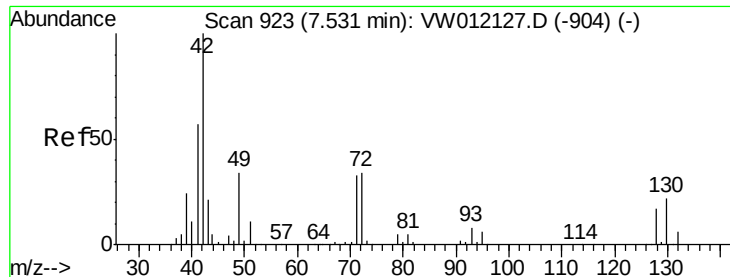
Tgt Ion: 43 Resp: 19062
Ion Ratio Lower Upper
43 100
58 28.4 22.4 33.6



#20
Methylene Chloride
Concen: 8.222 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012156.D
Acq: 24 Aug 2019 01:25

Tgt Ion: 84 Resp: 23339
Ion Ratio Lower Upper
84 100
49 139.5 117.8 176.8
51 48.3 35.6 53.4
86 62.6 51.2 76.8





#29

Tetrahydrofuran

Concen: 7.776 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012156.D

Acq: 24 Aug 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

T1-2-A-(2.5)

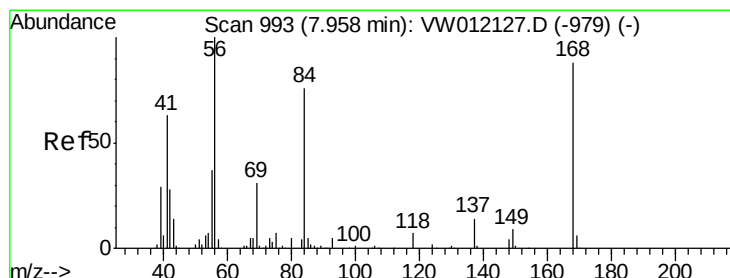
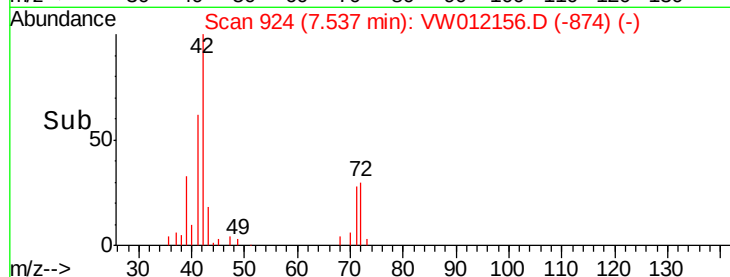
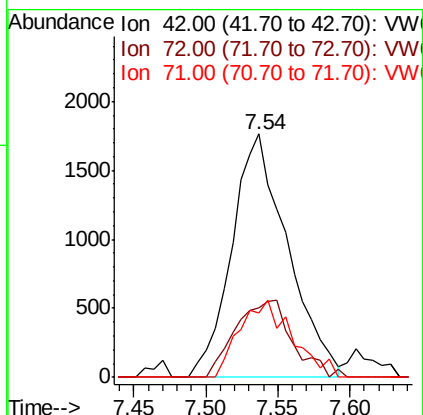
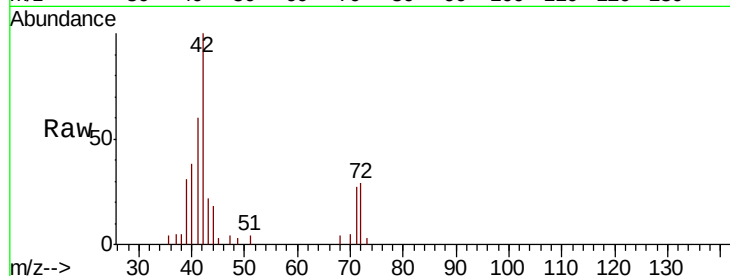
Tgt Ion: 42 Resp: 4760

Ion Ratio Lower Upper

42 100

72 32.1 27.3 40.9

71 29.9 25.5 38.3



#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012156.D

Acq: 24 Aug 2019 01:25

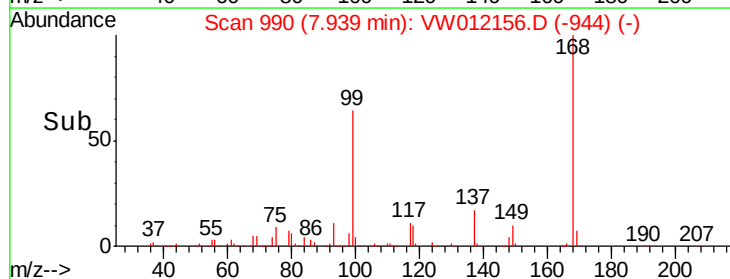
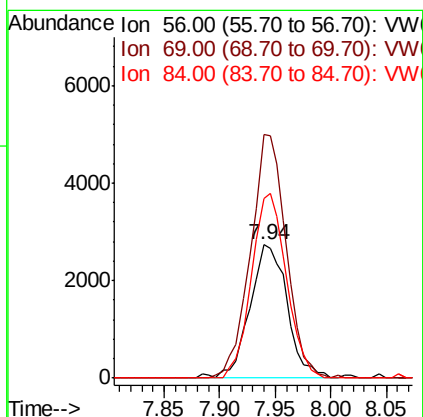
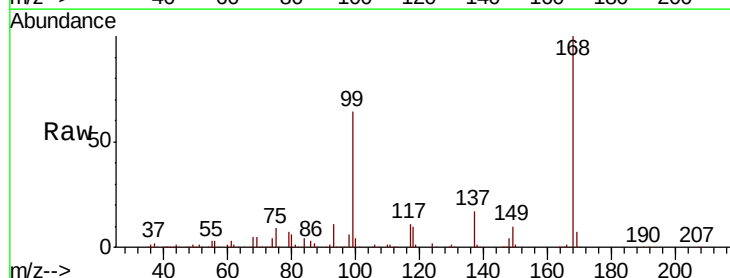
Tgt Ion: 56 Resp: 6377

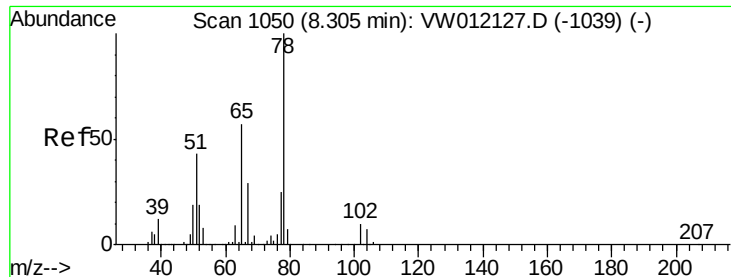
Ion Ratio Lower Upper

56 100

69 183.0 24.9 37.3#

84 135.5 60.6 90.8#

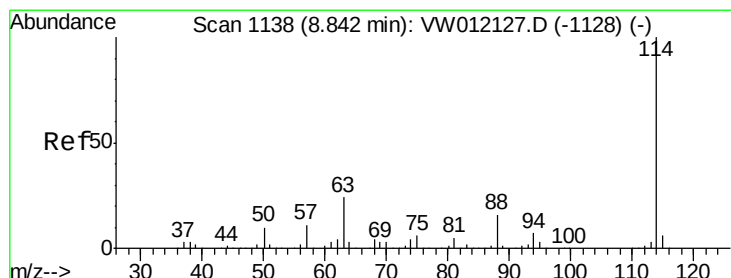
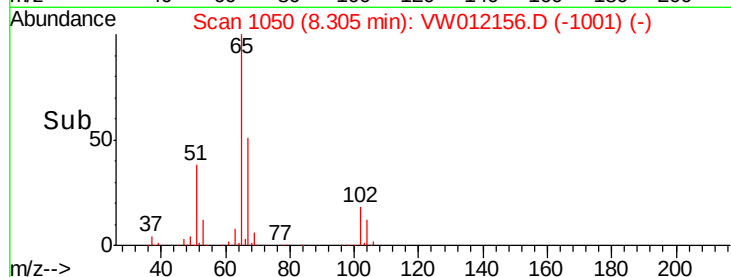
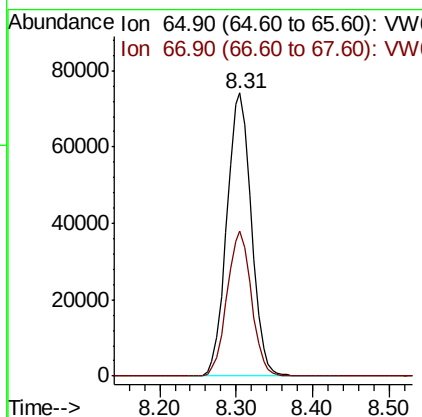
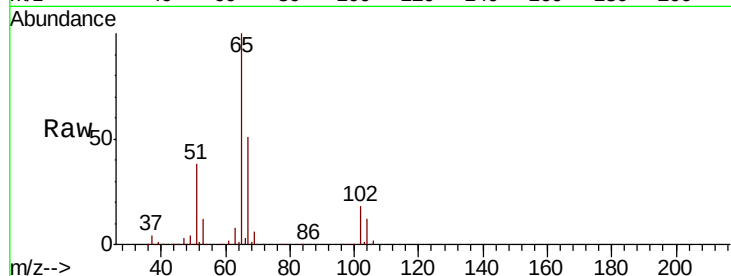




#33
 1,2-Dichloroethane-d4
 Concen: 56.062 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012156.D
 Acq: 24 Aug 2019 01:25

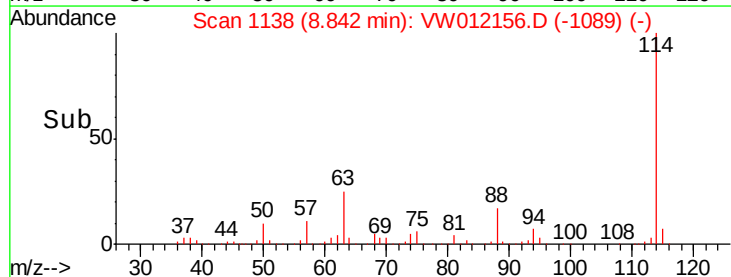
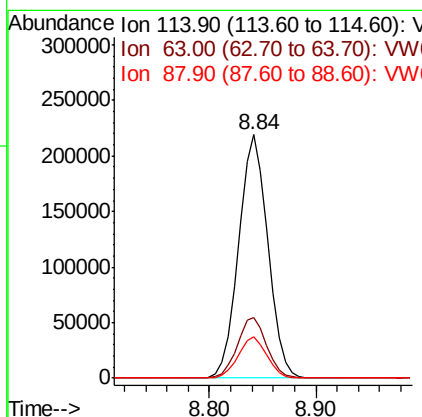
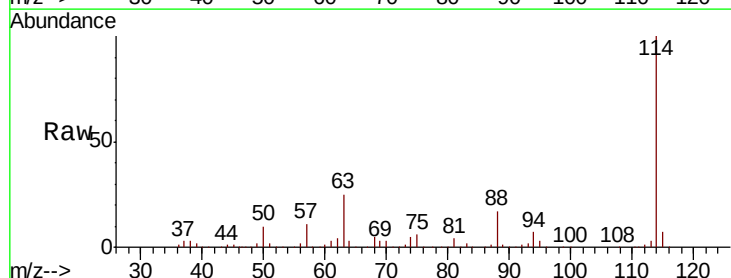
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-A-(2.5)

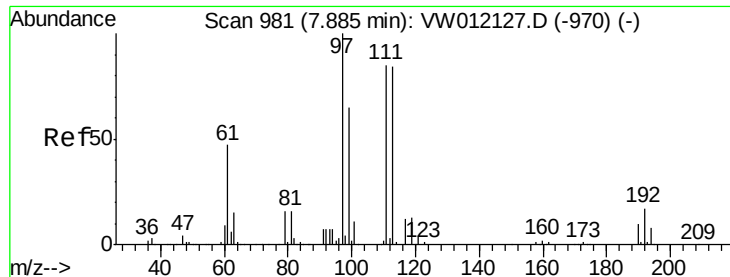
Tgt Ion: 65 Resp: 164682
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012156.D
 Acq: 24 Aug 2019 01:25

Tgt Ion: 114 Resp: 422647
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 17.0 0.0 32.2

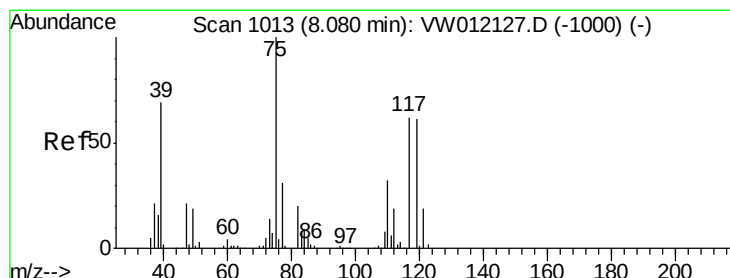
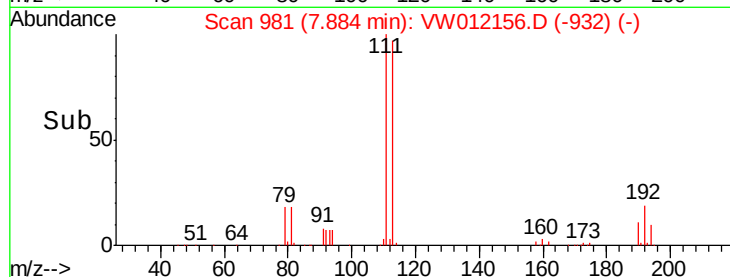
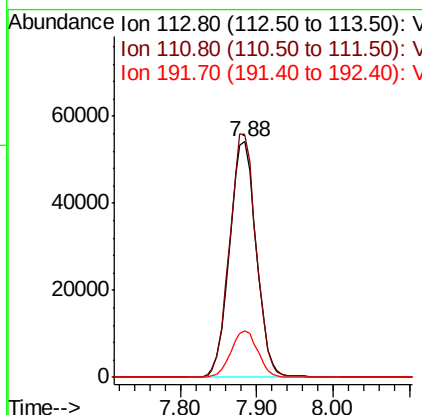
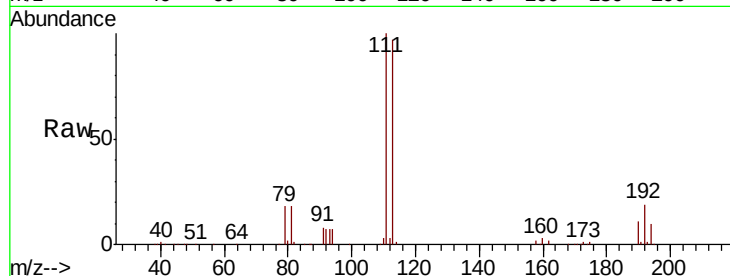




#35
 Dibromofluoromethane
 Concen: 51.846 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012156.D
 Acq: 24 Aug 2019 01:25

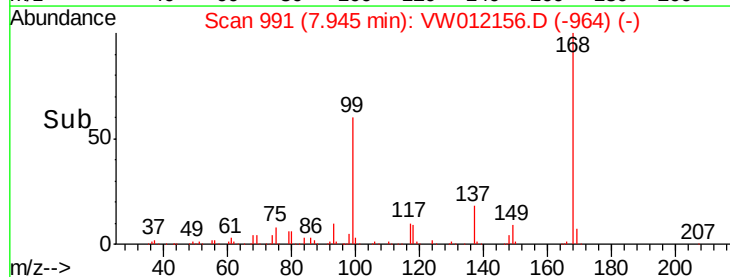
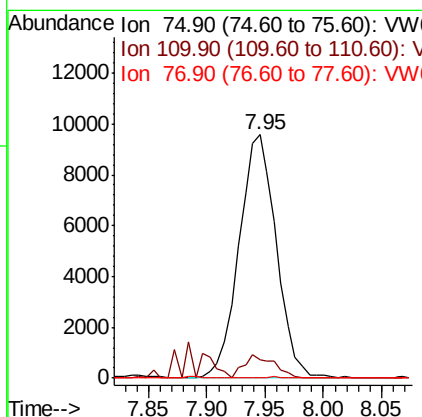
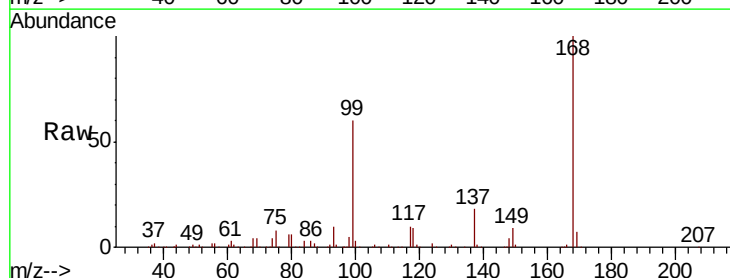
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-A-(2.5)

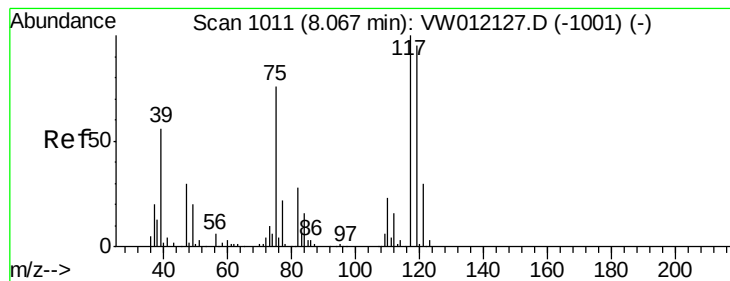
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.7	124.1
192	19.8	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.889 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012156.D
 Acq: 24 Aug 2019 01:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	15.6	46.8#
77	0.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.719 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012156.D

Acq: 24 Aug 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

T1-2-A-(2.5)

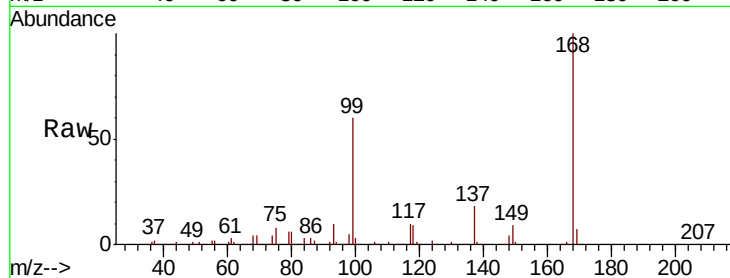
Tgt Ion:117 Resp: 25399

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

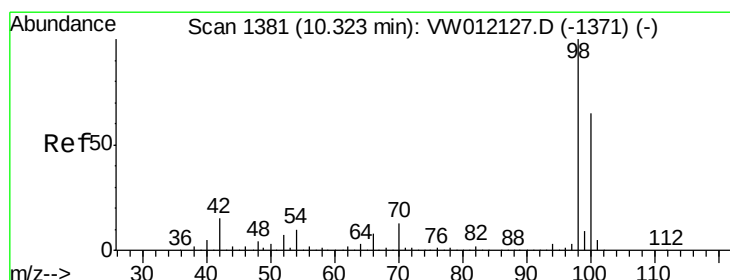
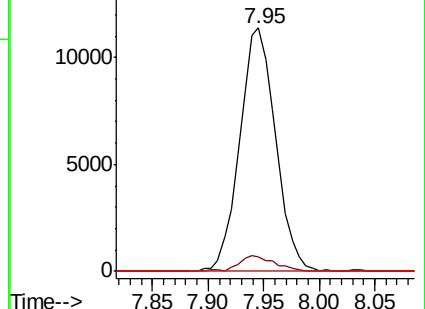
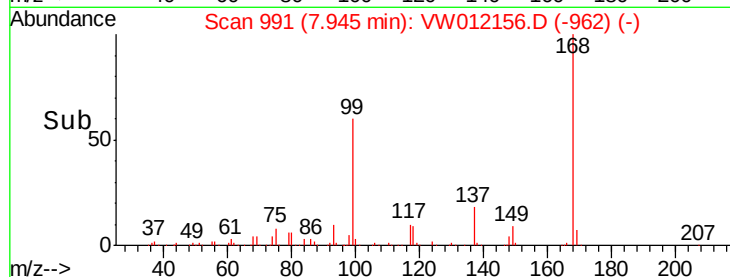
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.237 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012156.D

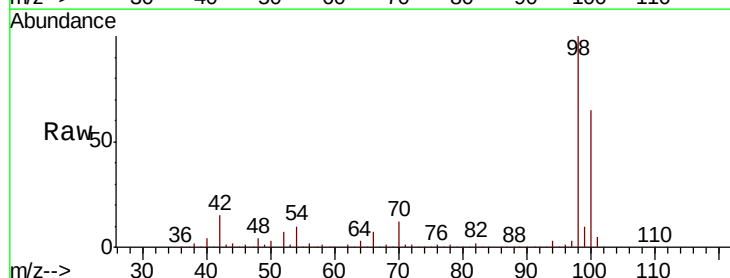
Acq: 24 Aug 2019 01:25

Tgt Ion: 98 Resp: 513888

Ion Ratio Lower Upper

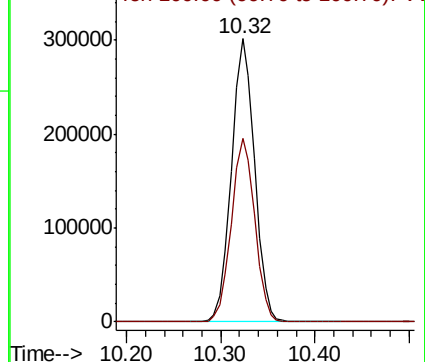
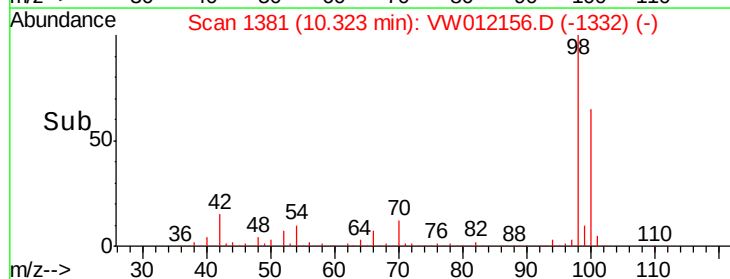
98 100

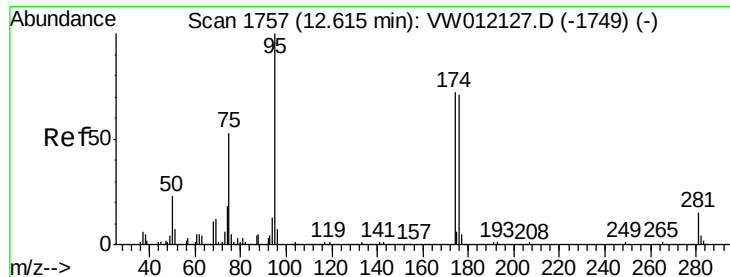
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 43.408 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012156.D

Acq: 24 Aug 2019 01:25

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T1-2-A-(2.5)

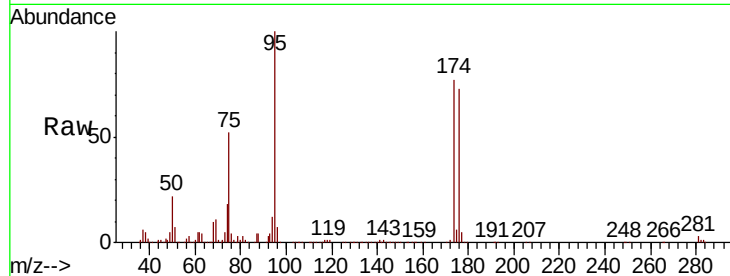
Tgt Ion: 95 Resp: 156521

Ion Ratio Lower Upper

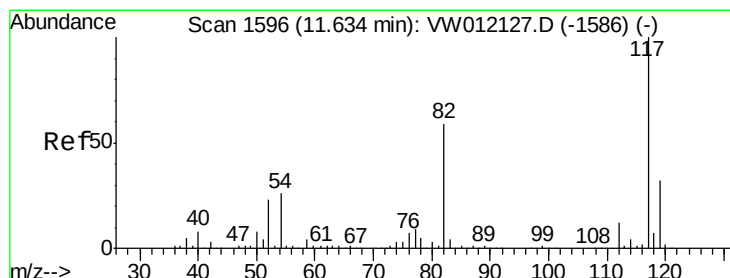
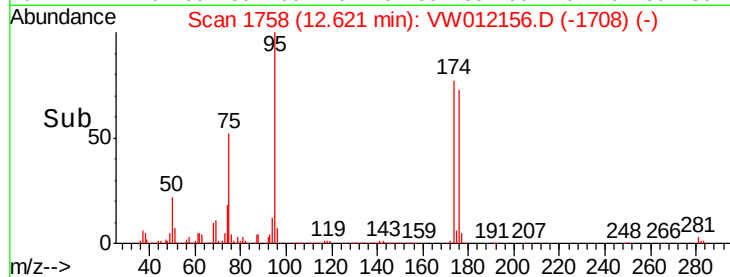
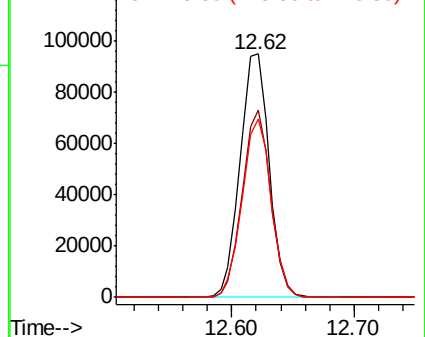
95 100

174 75.3 0.0 150.8

176 72.8 0.0 148.6



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: VW012156.D

Acq: 24 Aug 2019 01:25

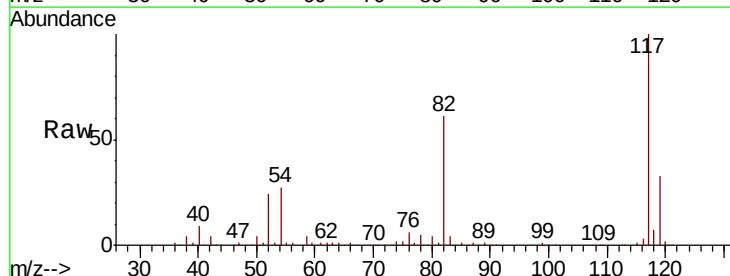
Tgt Ion: 117 Resp: 344217

Ion Ratio Lower Upper

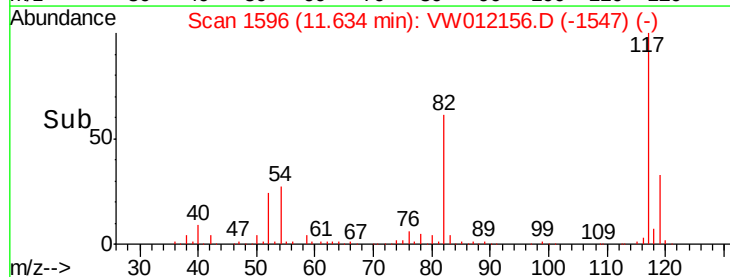
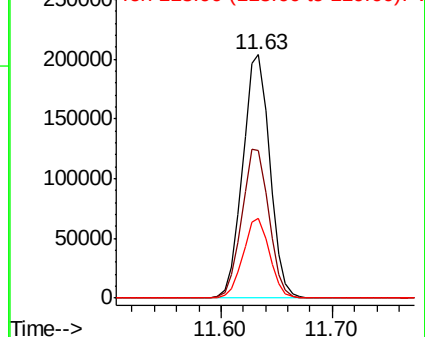
117 100

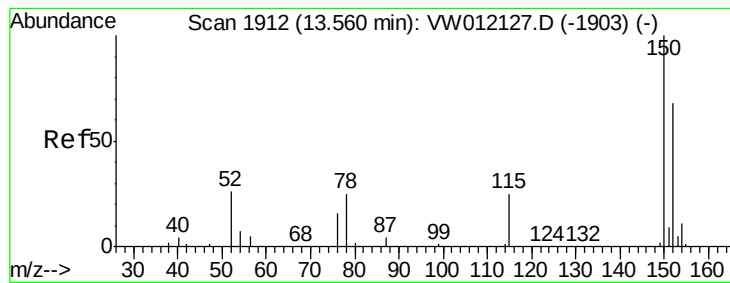
82 60.8 47.4 71.2

119 32.9 25.4 38.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012156.D

Acq: 24 Aug 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

T1-2-A-(2.5)

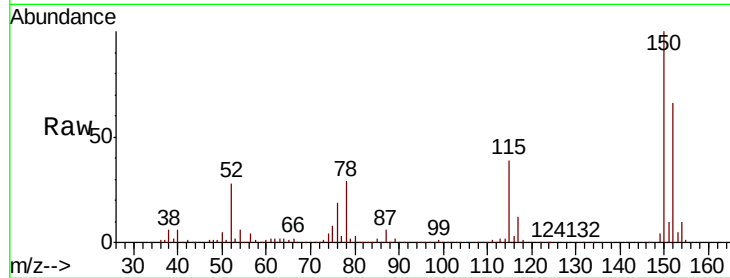
Tgt Ion:152 Resp: 130126

Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.3

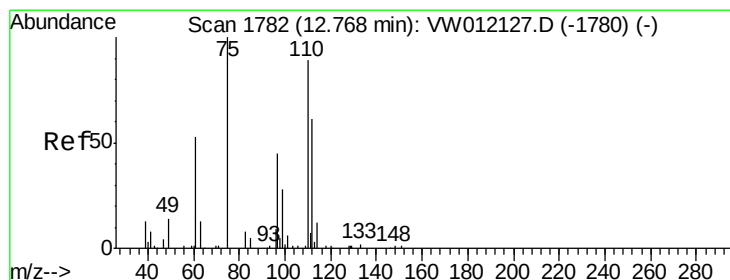
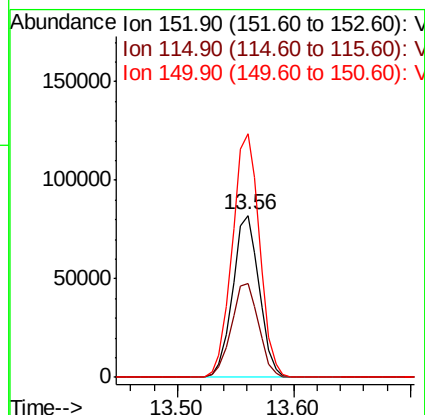
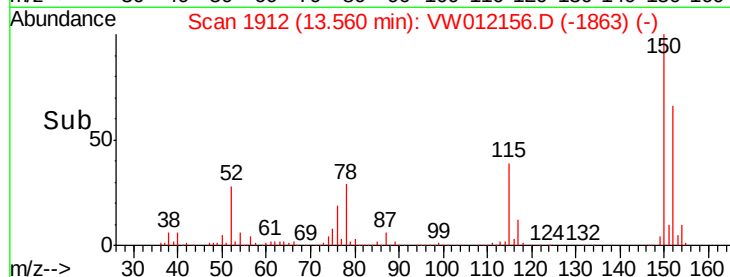
150 154.7 0.0 345.8



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: 66.003 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012156.D

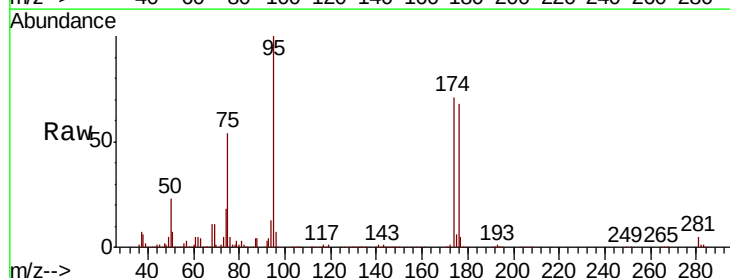
Acq: 24 Aug 2019 01:25

Tgt Ion: 75 Resp: 83648

Ion Ratio Lower Upper

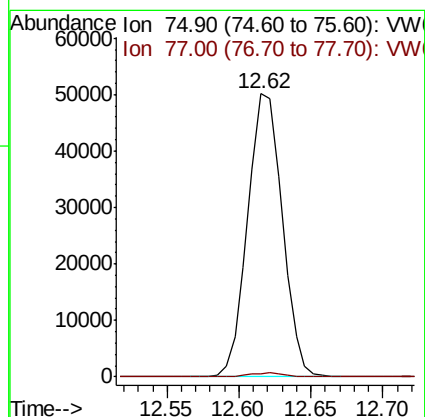
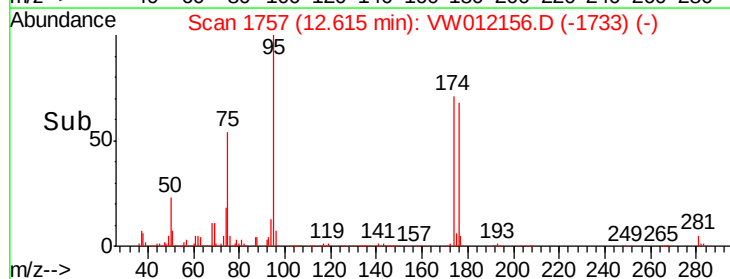
75 100

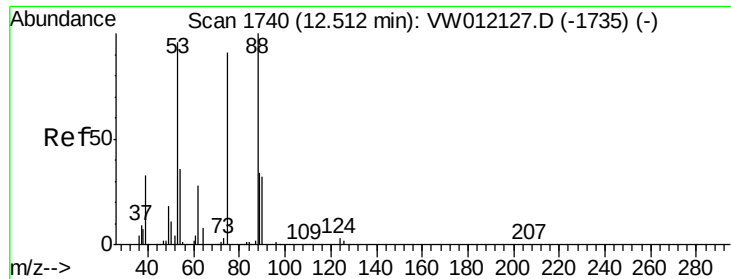
77 1.4 0.0 0.0#



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: 144.714 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012156.D

Acq: 24 Aug 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

T1-2-A-(2.5)

Tgt Ion: 75 Resp: 83648

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.0 34.5 51.7#

