

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012155.D
 Acq On : 24 Aug 2019 01:00
 Operator : SY/VA
 Sample : K4474-19
 Misc : 5.91G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-A-(0)

Quant Time: Aug 26 07:32:20 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	242876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	408350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124208	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	159794	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
35) Dibromofluoromethane	7.88	113	125585	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
50) Toluene-d8	10.32	98	501571	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.62	95	149687	42.97	ug/l	0.00
Spiked Amount			Recovery	=	85.94%	

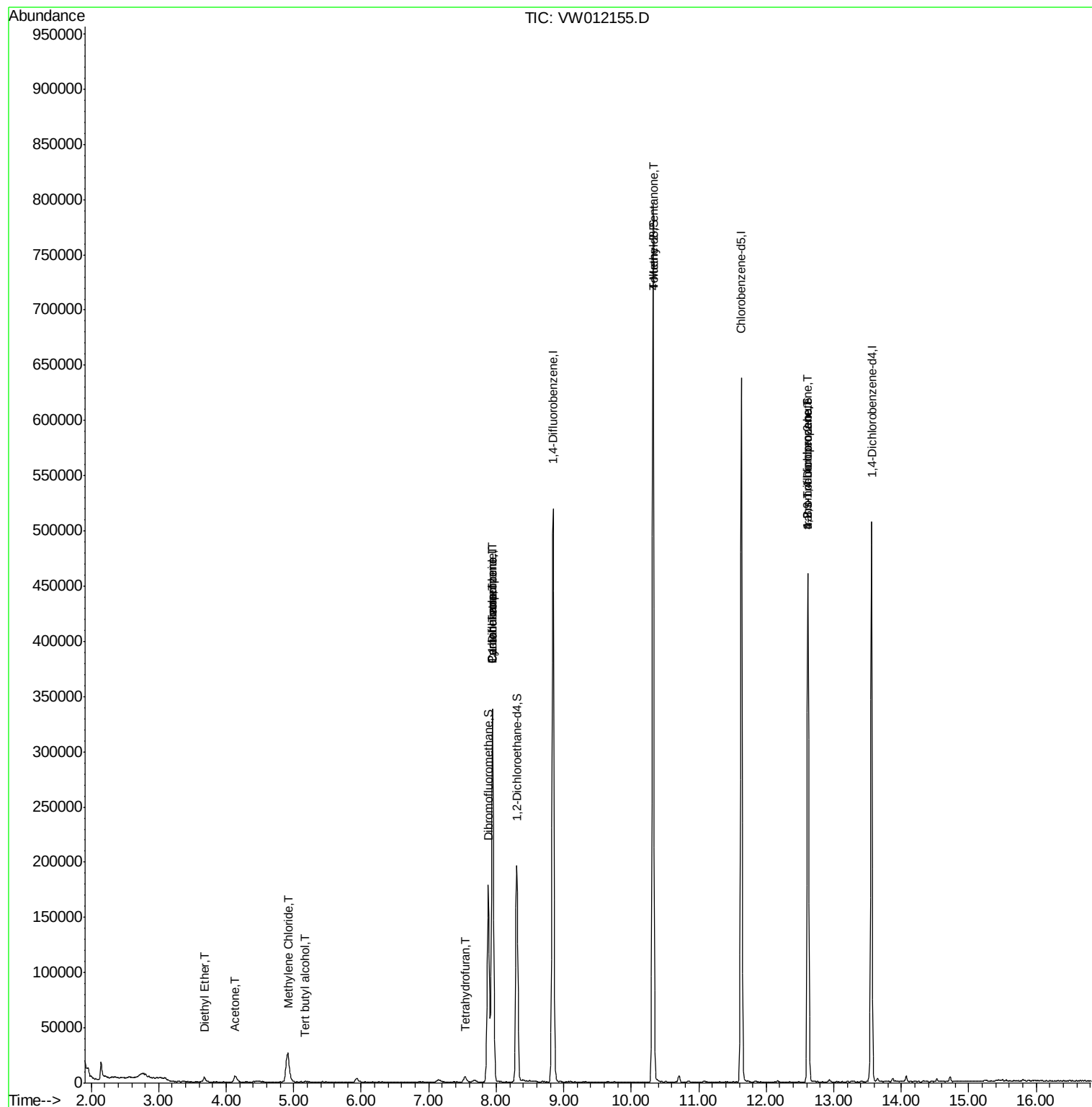
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1954	1.446	ug/l	67
11) Tert butyl alcohol	5.18	59	541	3.114	ug/l #	71
16) Acetone	4.13	43	11432	15.490	ug/l	95
20) Methylene Chloride	4.91	84	19018	6.816	ug/l	98
29) Tetrahydrofuran	7.54	42	4687	7.790	ug/l	98
31) Cyclohexane	7.95	56	6302	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21278	5.042	ug/l #	52
38) Carbon Tetrachloride	7.95	117	24713	6.766	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	3085	1.416	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	80804	66.797	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80804	146.455	ug/l #	6

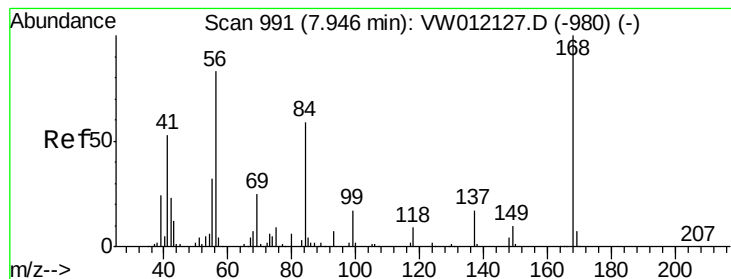
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
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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: VW012155.D

Acq: 24 Aug 2019 01:00

Instrument :

MSVOA_W

ClientSampleId :

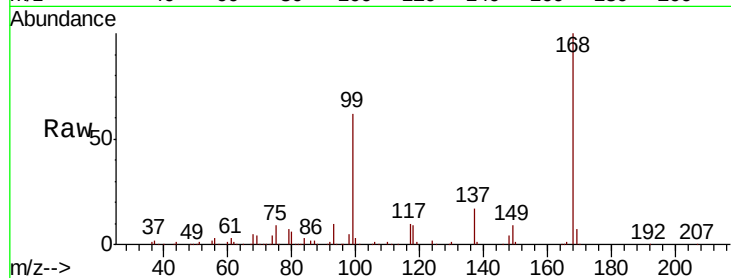
T1-2-A-(0)

Tgt Ion:168 Resp: 242876

Ion Ratio Lower Upper

168 100

99 61.8 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

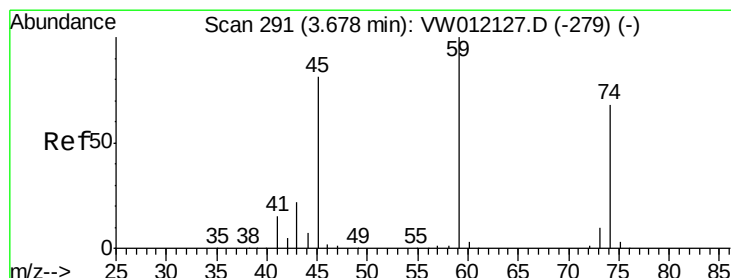
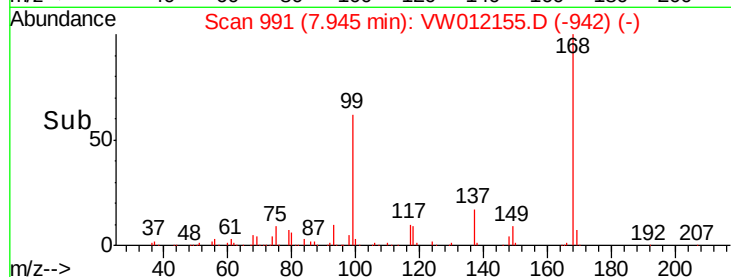
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.446 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012155.D

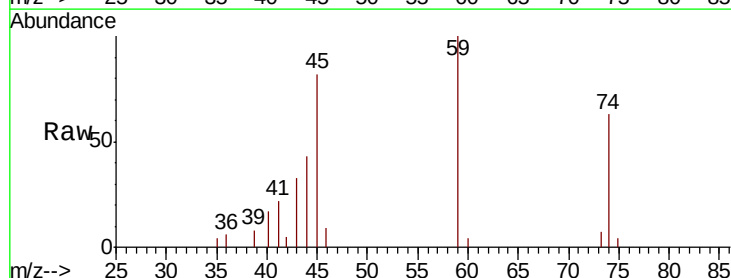
Acq: 24 Aug 2019 01:00

Tgt Ion: 74 Resp: 1954

Ion Ratio Lower Upper

74 100

45 154.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

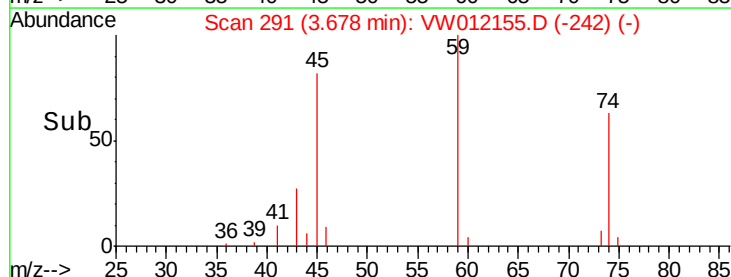
600

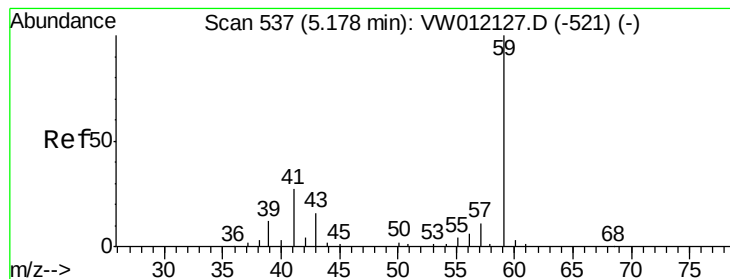
400

200

0

Time--> 3.60 3.65 3.70 3.75





#11

Tert butyl alcohol

Concen: 3.114 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.00 min

Lab File: VW012155.D

Acq: 24 Aug 2019 01:00

Instrument :

MSVOA_W

ClientSampleId :

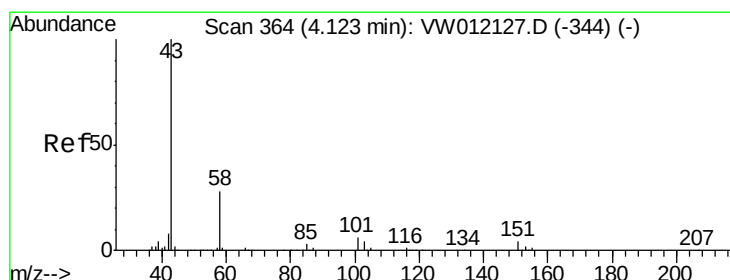
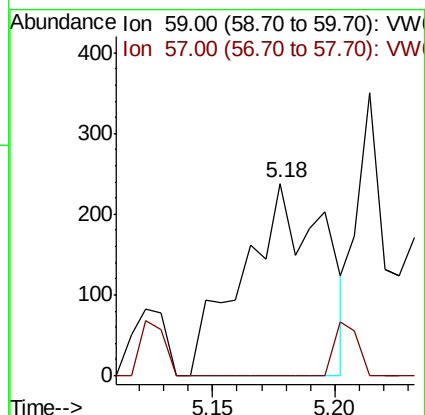
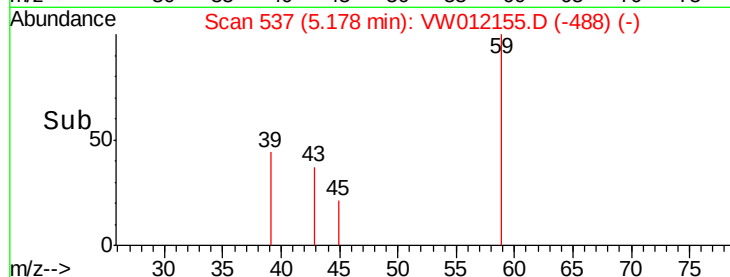
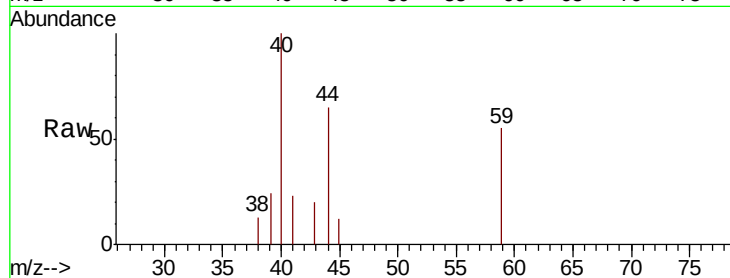
T1-2-A(0)

Tgt Ion: 59 Resp: 541

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#16

Acetone

Concen: 15.490 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012155.D

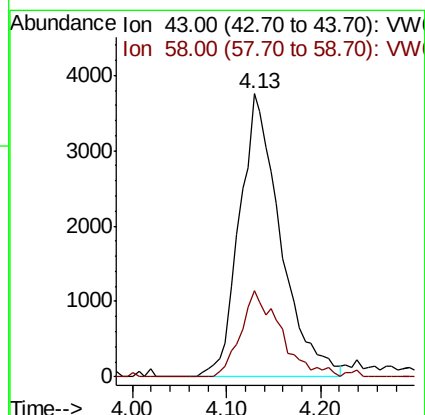
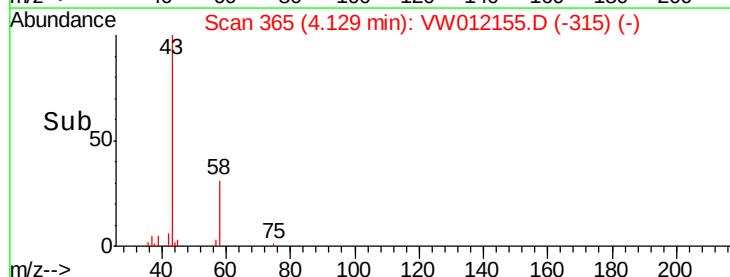
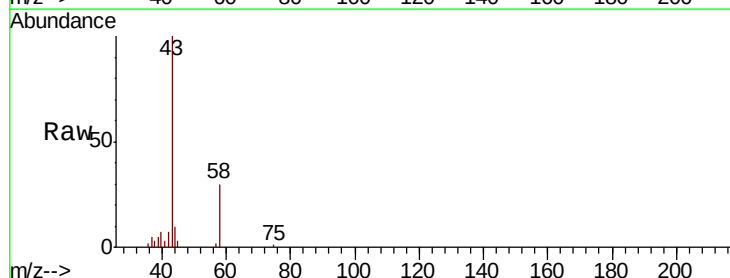
Acq: 24 Aug 2019 01:00

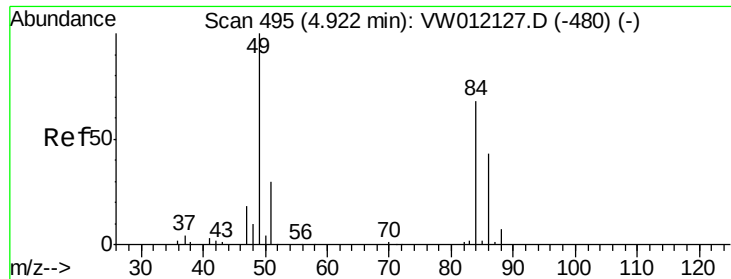
Tgt Ion: 43 Resp: 11432

Ion Ratio Lower Upper

43 100

58 30.5 22.4 33.6

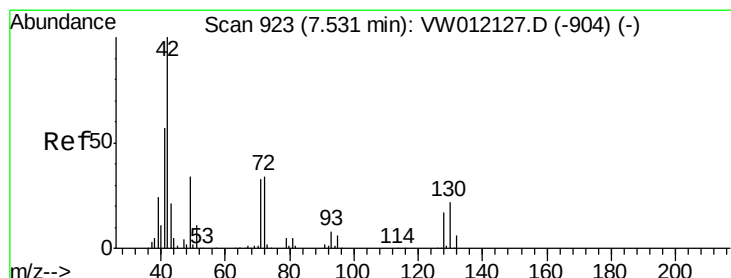
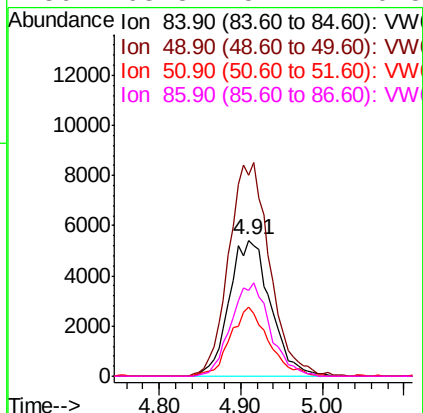
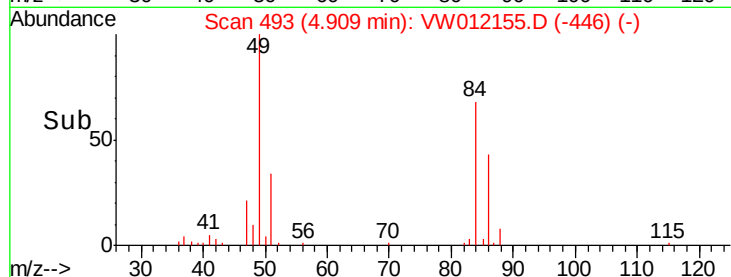
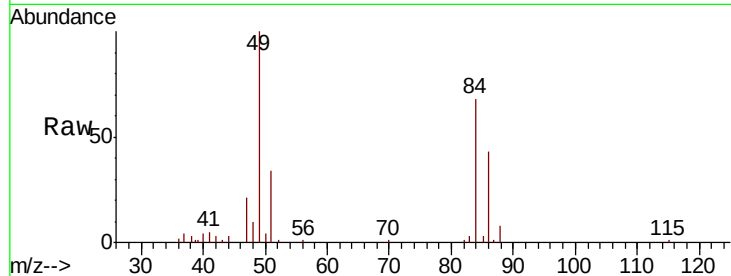




#20
Methylene Chloride
Concen: 6.816 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012155.D
Acq: 24 Aug 2019 01:00

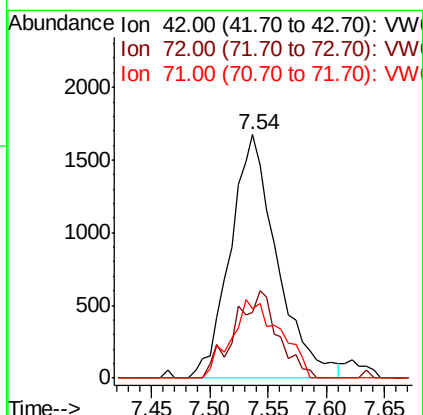
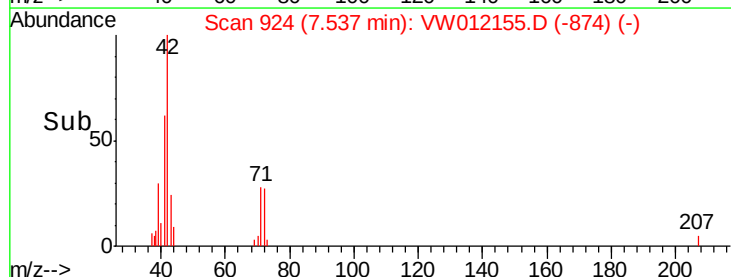
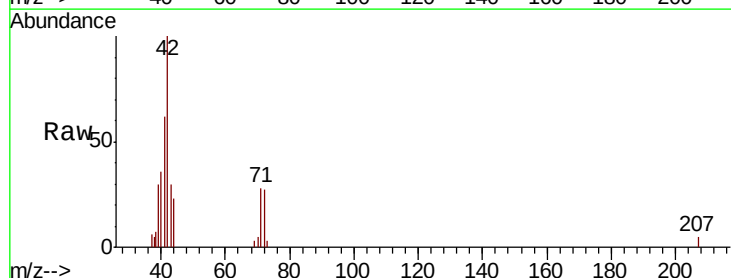
Instrument :
MSVOA_W
ClientSampleId :
T1-2-A(0)

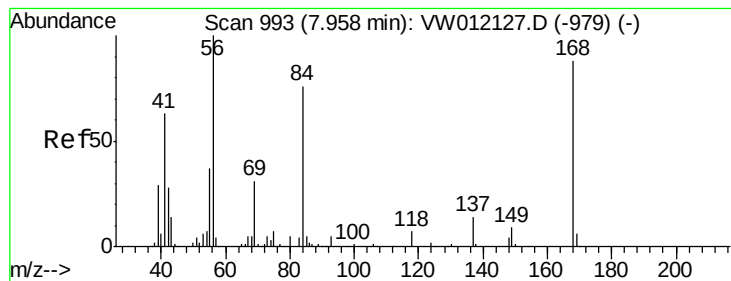
Tgt Ion:	84	Resp:	19018
Ion	Ratio	Lower	Upper
84	100		
49	147.8	117.8	176.8
51	50.4	35.6	53.4
86	63.3	51.2	76.8



#29
Tetrahydrofuran
Concen: 7.790 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012155.D
Acq: 24 Aug 2019 01:00

Tgt Ion:	42	Resp:	4687
Ion	Ratio	Lower	Upper
42	100		
72	33.4	27.3	40.9
71	33.4	25.5	38.3





#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.95 min Scan# 991

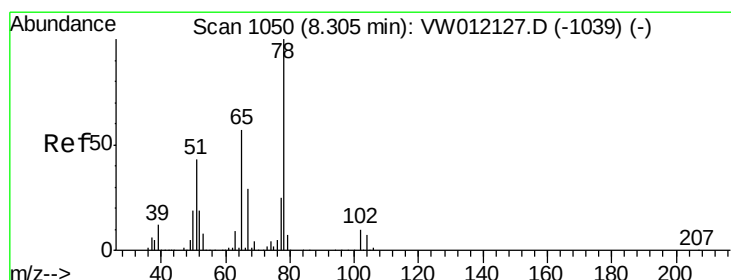
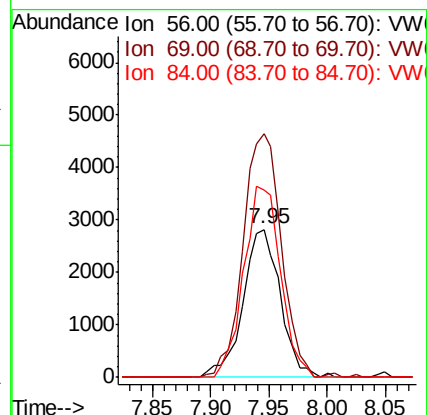
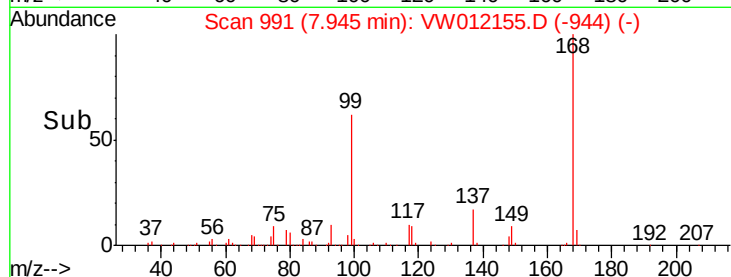
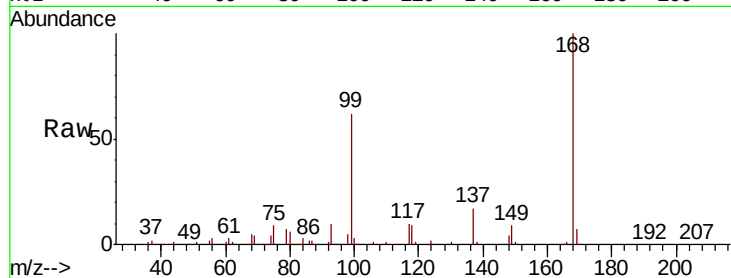
Delta R.T. -0.01 min

Lab File: VW012155.D

Acq: 24 Aug 2019 01:00

Instrument :
MSVOA_W
ClientSampleId :
T1-2-A(0)

Tgt Ion:	56	Resp:	6302
Ion	Ratio	Lower	Upper
56	100		
69	164.7	24.9	37.3#
84	127.1	60.6	90.8#



#33

1,2-Dichloroethane-d4

Concen: 55.346 ug/l

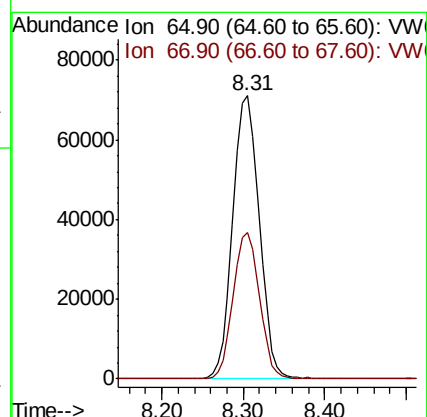
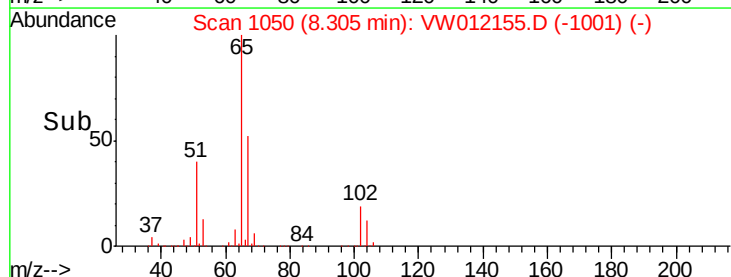
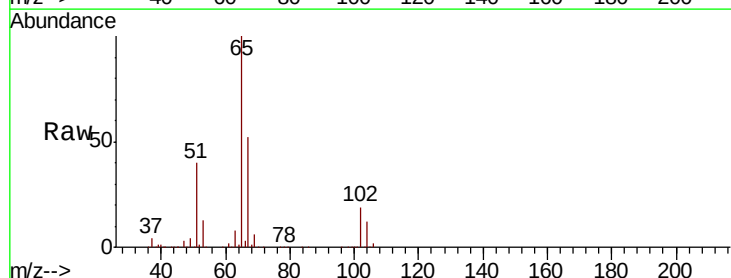
RT: 8.31 min Scan# 1050

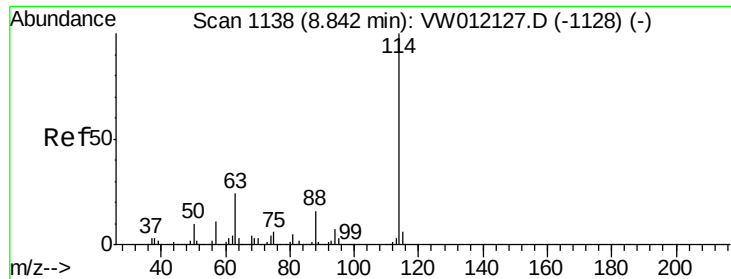
Delta R.T. -0.00 min

Lab File: VW012155.D

Acq: 24 Aug 2019 01:00

Tgt Ion:	65	Resp:	159794
Ion	Ratio	Lower	Upper
65	100		
67	51.4	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: VW012155.D

Acq: 24 Aug 2019 01:00

Instrument :

MSVOA_W

ClientSampleId :

T1-2-A(0)

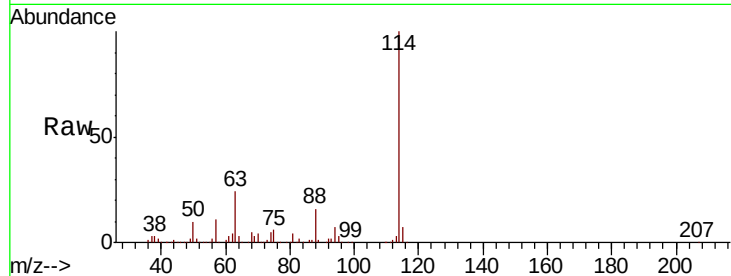
Tgt Ion:114 Resp: 408350

Ion Ratio Lower Upper

114 100

63 24.4 0.0 48.6

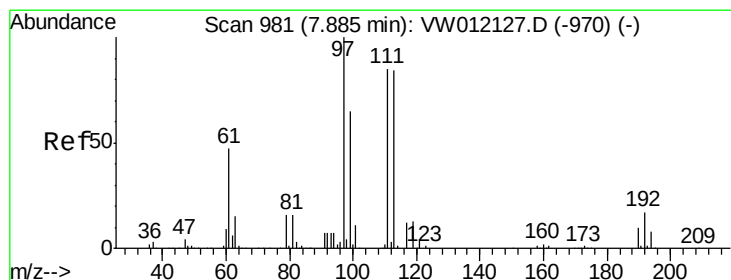
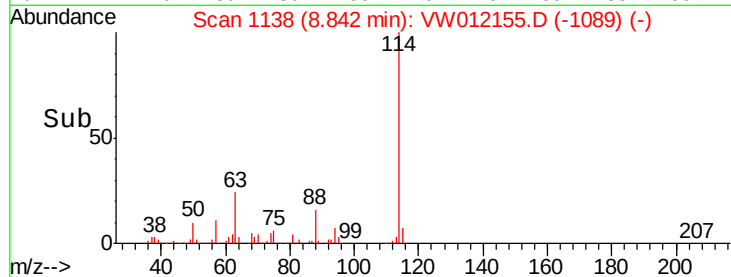
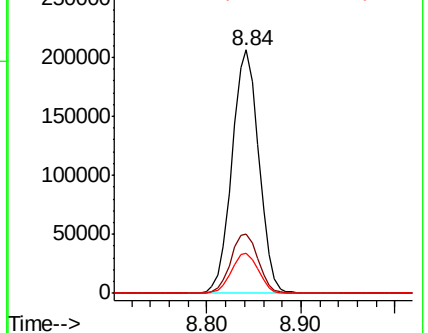
88 16.5 0.0 32.2



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: 51.523 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012155.D

Acq: 24 Aug 2019 01:00

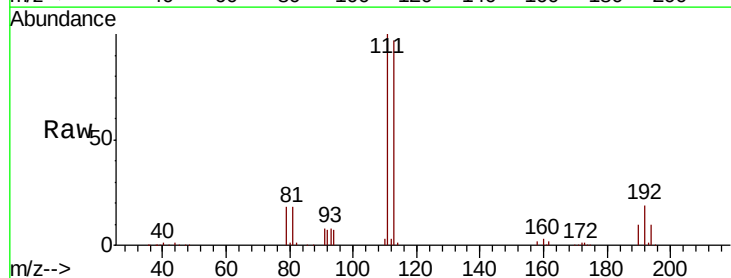
Tgt Ion:113 Resp: 125585

Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

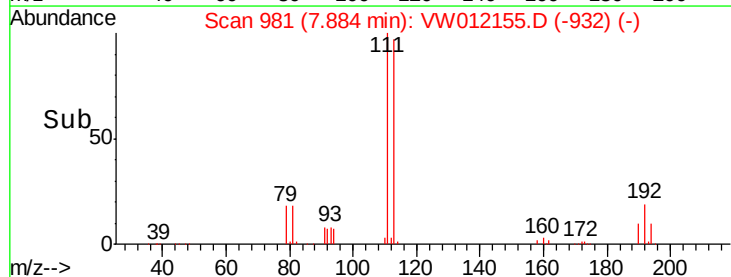
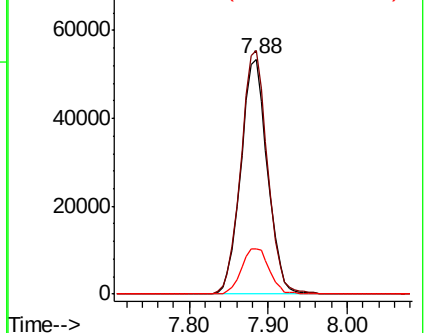
192 20.2 16.2 24.2

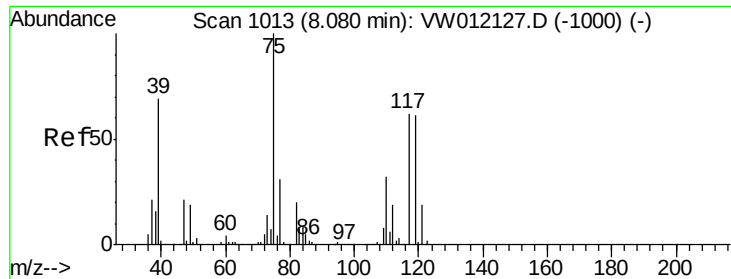


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

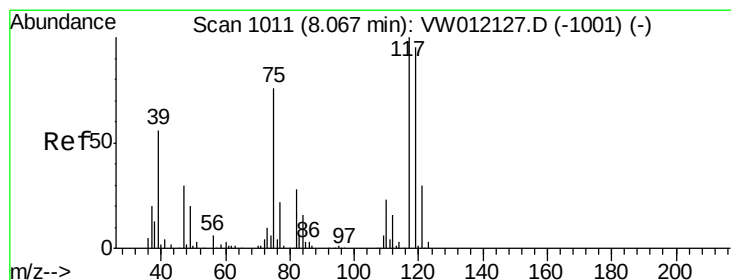
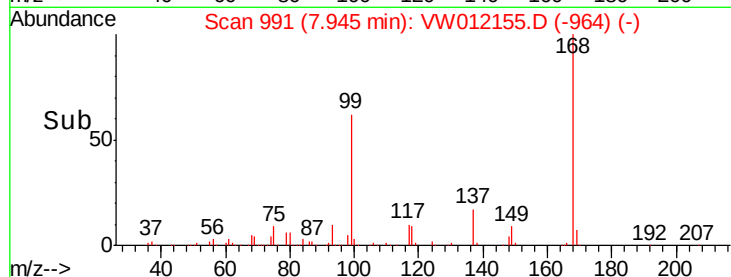
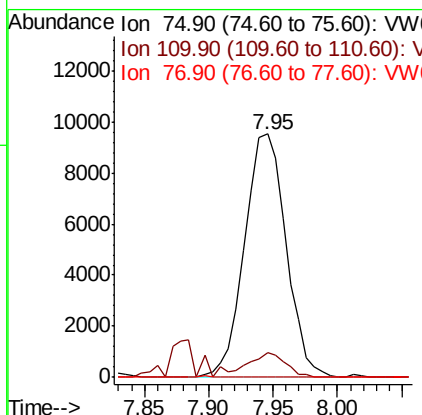
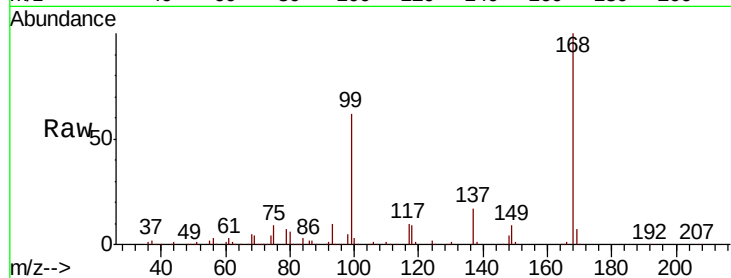




#36
 1,1-Dichloropropene
 Concen: 5.042 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012155.D
 Acq: 24 Aug 2019 01:00

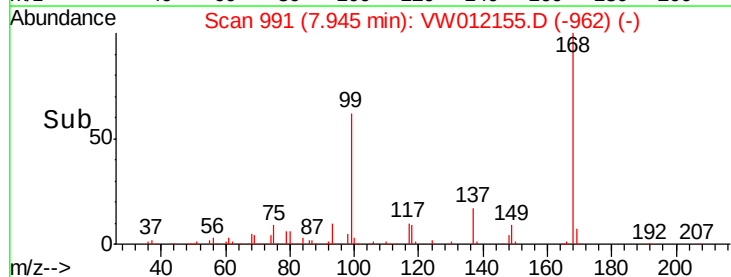
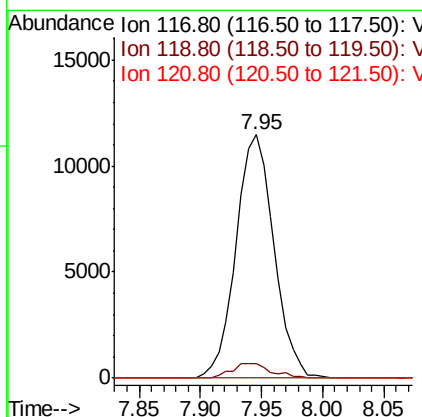
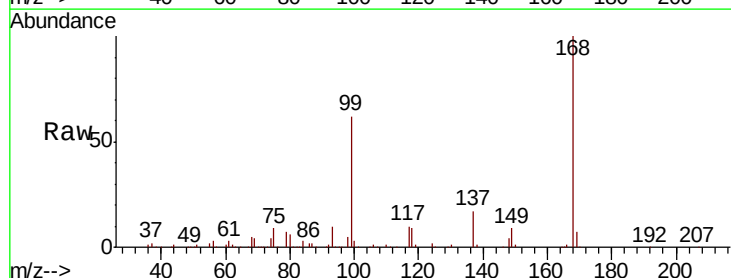
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 T1-2-A-(0)

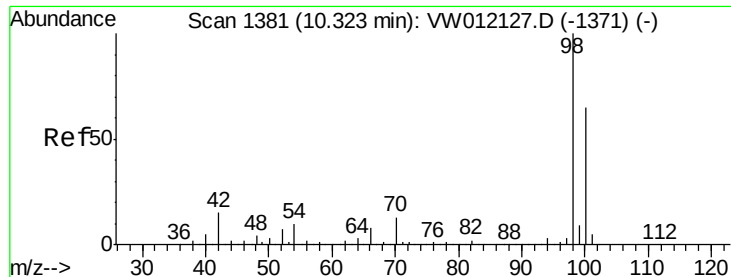
Tgt Ion: 75 Resp: 21278
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.766 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012155.D
 Acq: 24 Aug 2019 01:00

Tgt Ion: 117 Resp: 24713
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.2 114.2#
 121 0.0 23.8 35.8#

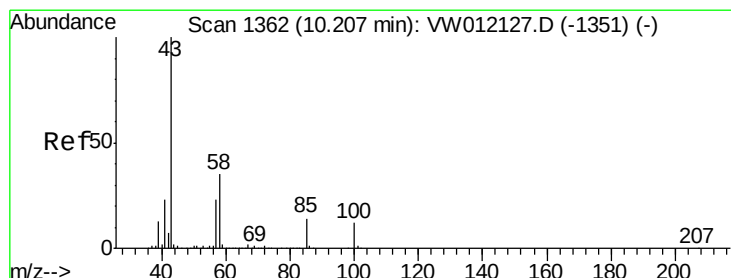
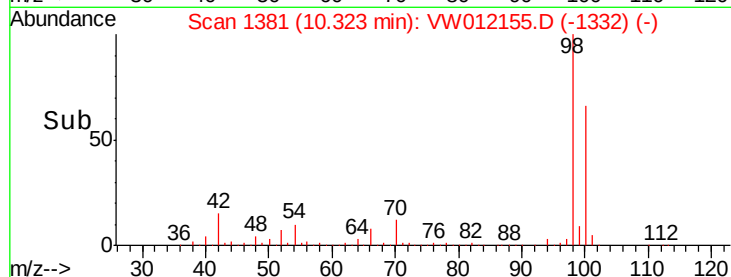
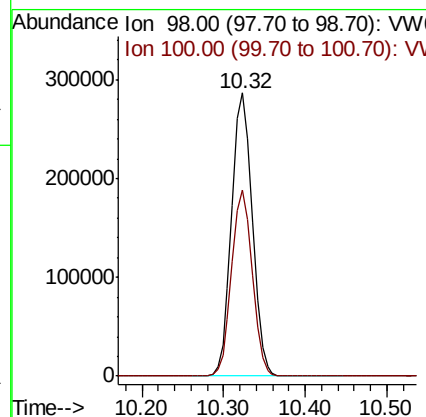
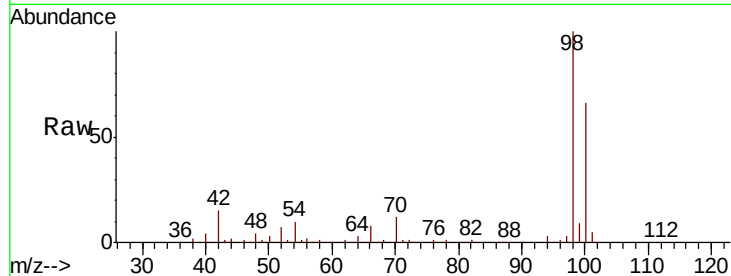




#50
Toluene-d8
Concen: 50.750 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012155.D
Acq: 24 Aug 2019 01:00

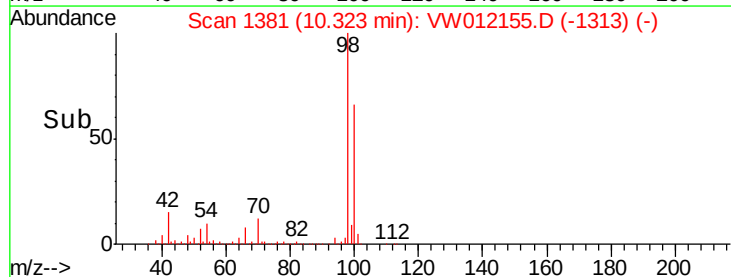
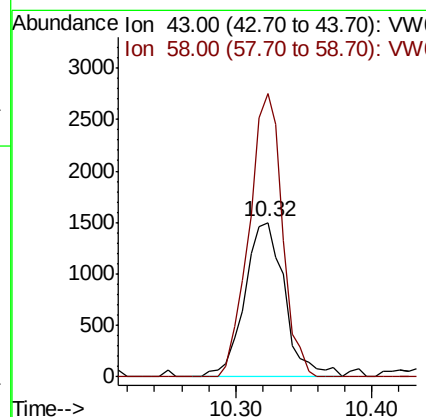
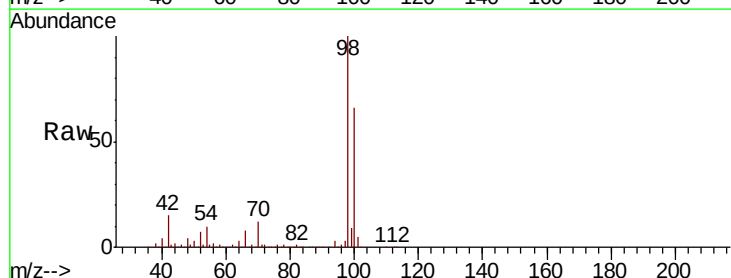
Instrument :
MSVOA_W
ClientSampleId :
T1-2-A(0)

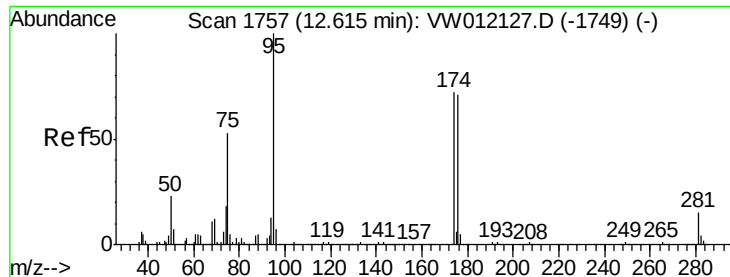
Tgt Ion: 98 Resp: 501571
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.416 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.12 min
Lab File: VW012155.D
Acq: 24 Aug 2019 01:00

Tgt Ion: 43 Resp: 3085
Ion Ratio Lower Upper
43 100
58 153.2 28.2 42.2#





#62

4-Bromofluorobenzene

Concen: 42.967 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012155.D

Acq: 24 Aug 2019 01:00

Instrument :

MSVOA_W

ClientSampleId :

T1-2-A-(0)

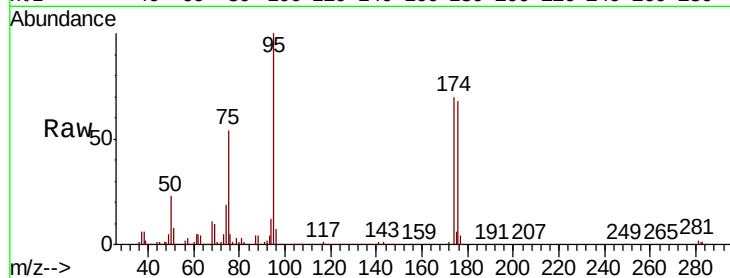
Tgt Ion: 95 Resp: 149687

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.8

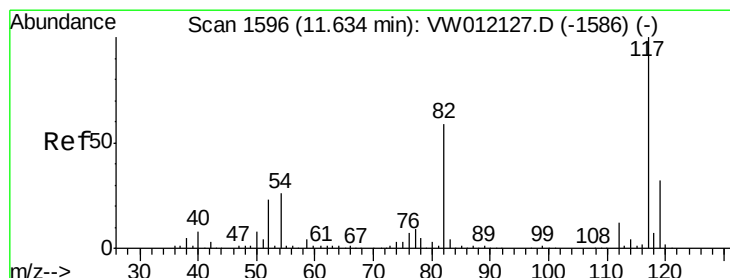
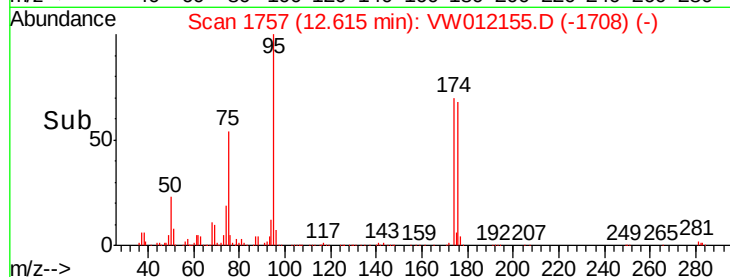
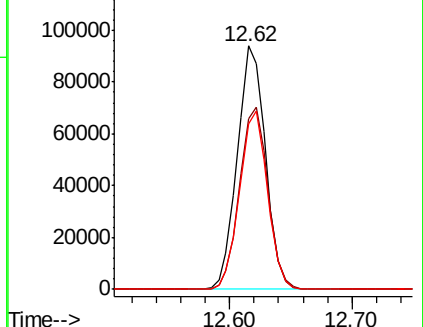
176 72.7 0.0 148.6



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# 1595

Delta R.T. -0.01 min

Lab File: VW012155.D

Acq: 24 Aug 2019 01:00

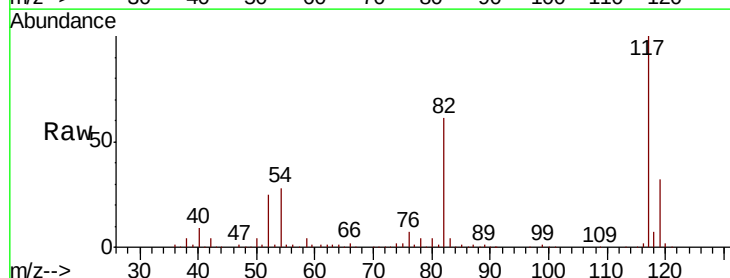
Tgt Ion: 117 Resp: 332026

Ion Ratio Lower Upper

117 100

82 61.3 47.4 71.2

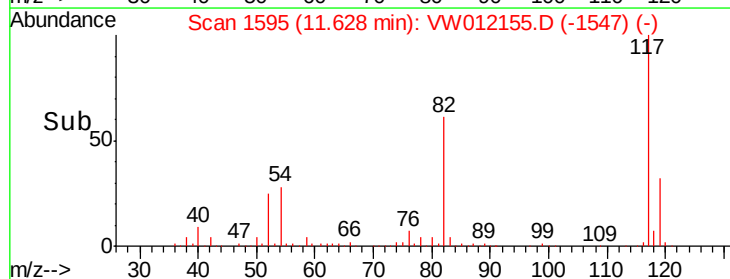
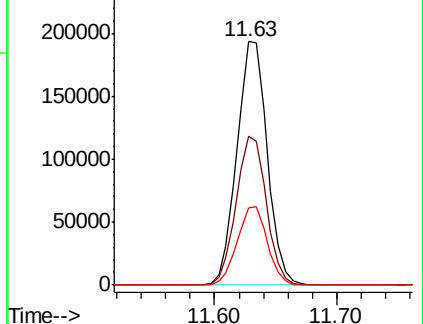
119 31.5 25.4 38.2

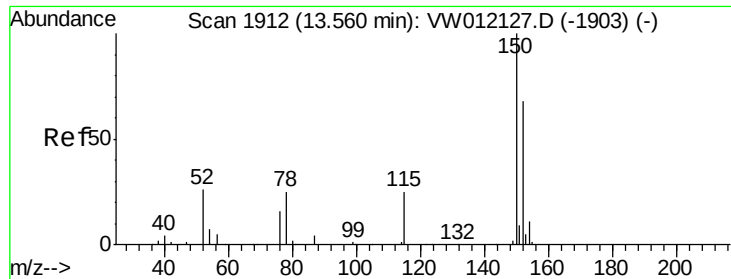


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



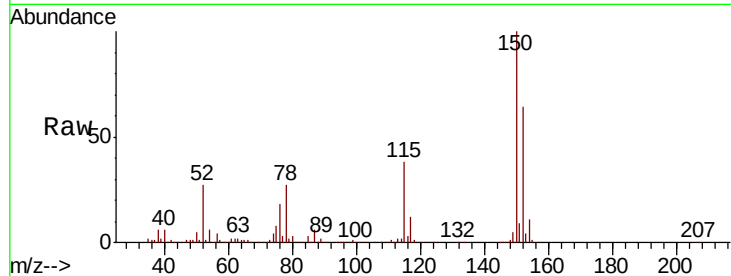


#72

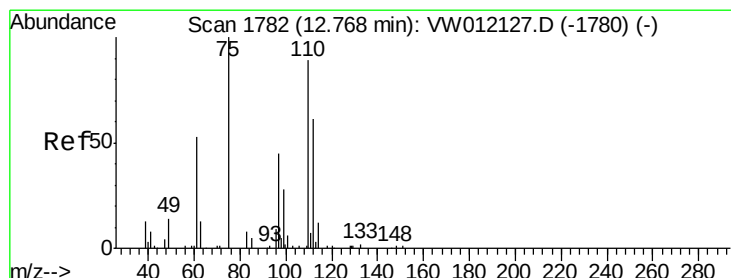
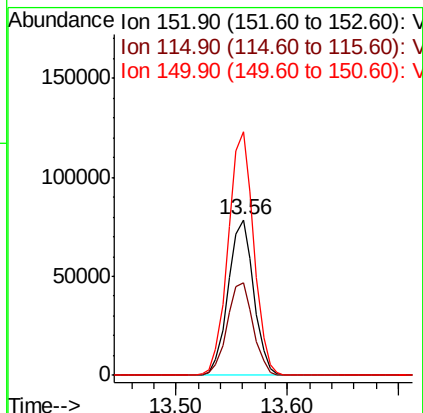
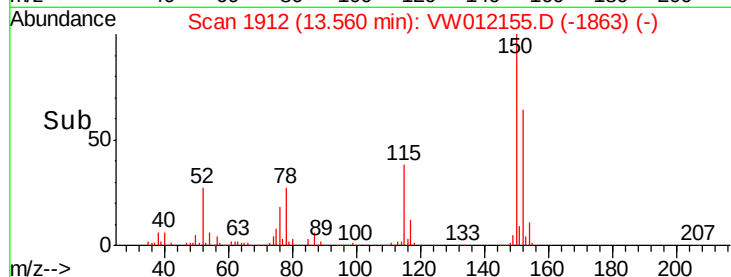
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012155.D
Acq: 24 Aug 2019 01:00

Instrument :
MSVOA_W
ClientSampleId :
T1-2-A-(0)

Tgt Ion: 152 Resp: 124208
Ion Ratio Lower Upper
152 100
115 61.0 30.1 90.3
150 156.7 0.0 345.8



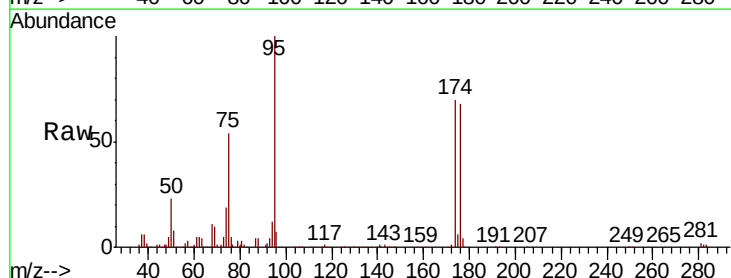
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



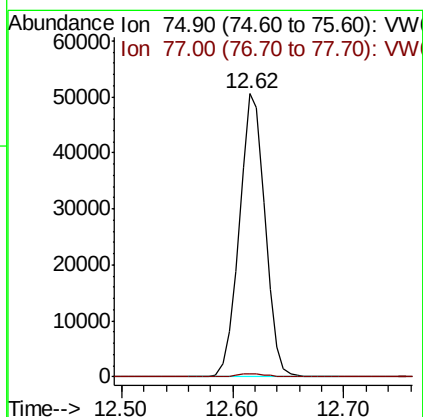
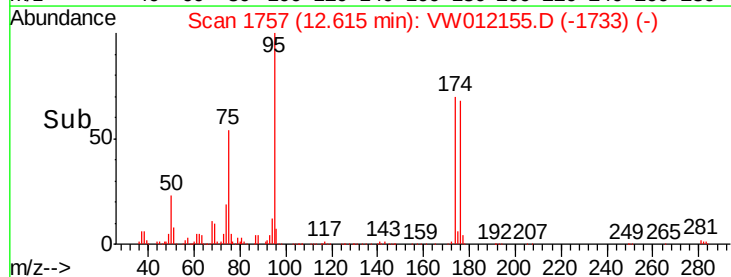
#76

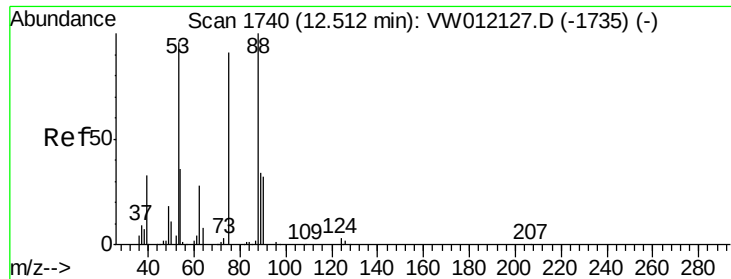
1,2,3-Trichloropropane
Concen: 66.797 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012155.D
Acq: 24 Aug 2019 01:00

Tgt Ion: 75 Resp: 80804
Ion Ratio Lower Upper
75 100
77 1.1 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: 146.455 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012155.D

Acq: 24 Aug 2019 01:00

Instrument :

MSVOA_W

ClientSampleId :

T1-2-A-(0)

Tgt Ion: 75 Resp: 80804

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#

