

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012151.D
 Acq On : 23 Aug 2019 23:16
 Operator : SY/VA
 Sample : K4474-14
 Misc : 6.50G/5ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K3-(0)

Quant Time: Aug 26 07:31:38 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	218432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	303631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	112601	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	143884	55.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.82%	
35) Dibromofluoromethane	7.88	113	111909	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.10%	
50) Toluene-d8	10.32	98	454024	51.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.62	95	136503	43.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.14%	

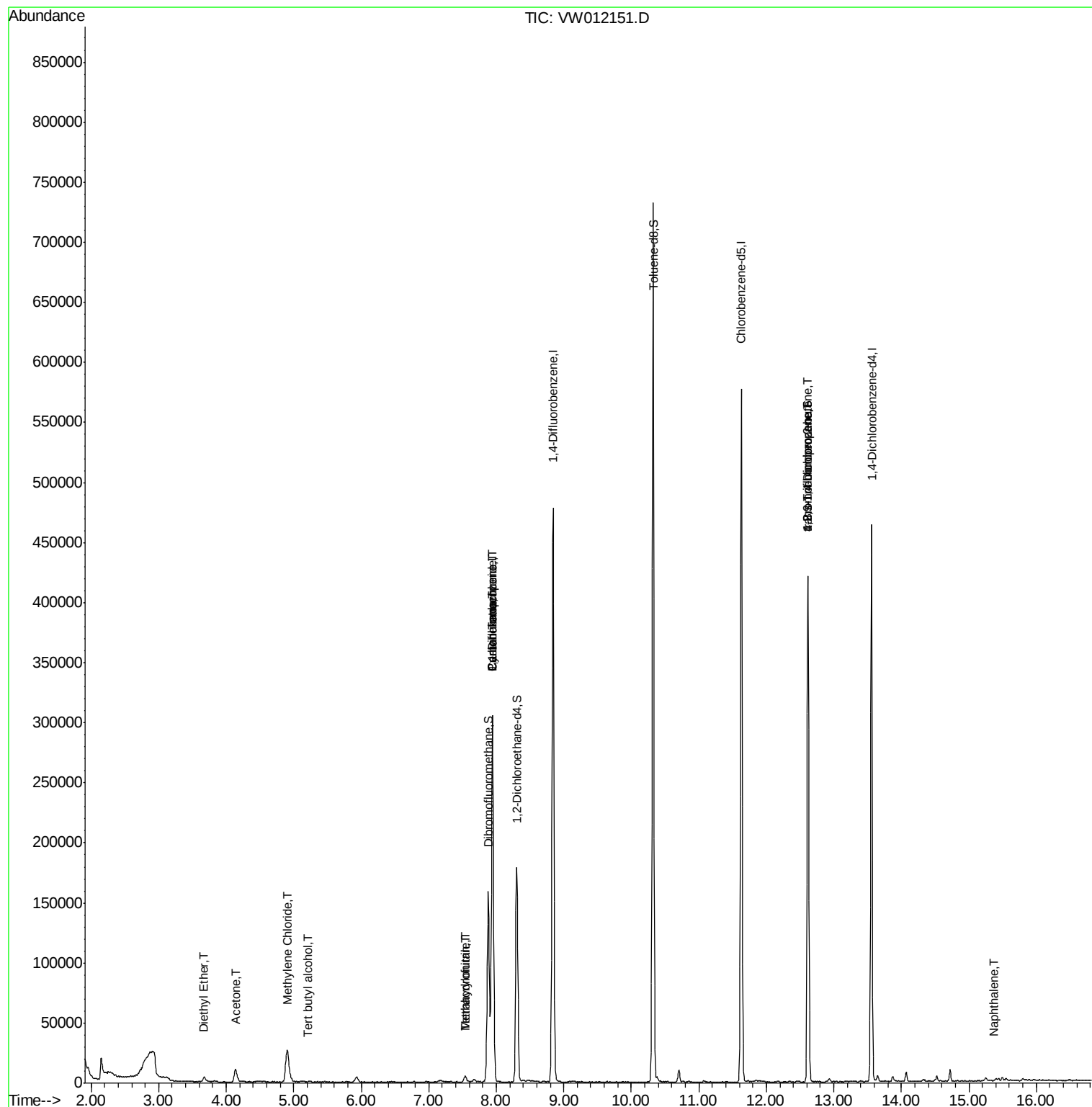
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2139	1.760	ug/l	83
11) Tert butyl alcohol	5.21	59	327	2.093	ug/l #	71
16) Acetone	4.14	43	21761	32.785	ug/l	97
20) Methylene Chloride	4.90	84	20346	8.108	ug/l	96
29) Tetrahydrofuran	7.54	42	4562	8.430	ug/l	97
31) Cyclohexane	7.94	56	5362	1.146	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19113	5.037	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22579	6.875	ug/l #	15
41) Methacrylonitrile	7.54	41	2857	2.338	ug/l #	59
76) 1,2,3-Trichloropropane	12.62	75	73679	67.185	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73679	147.306	ug/l #	6
95) Naphthalene	15.36	128	172	4.358	ug/l #	69

(#) = 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: VW012151.D

Acq: 23 Aug 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

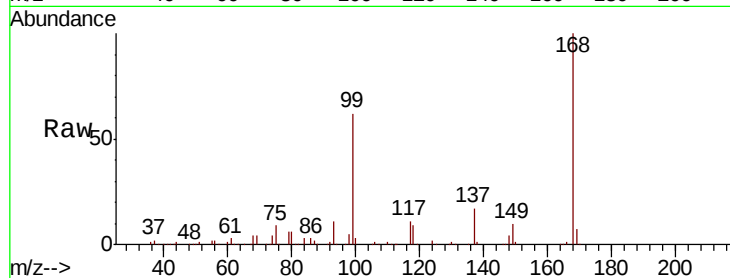
T1-2-K3-(0)

Tgt Ion:168 Resp: 218432

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

100000

80000

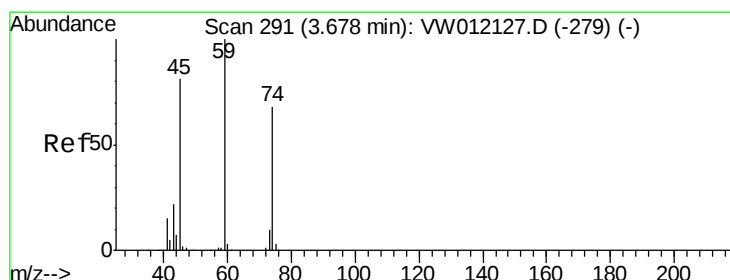
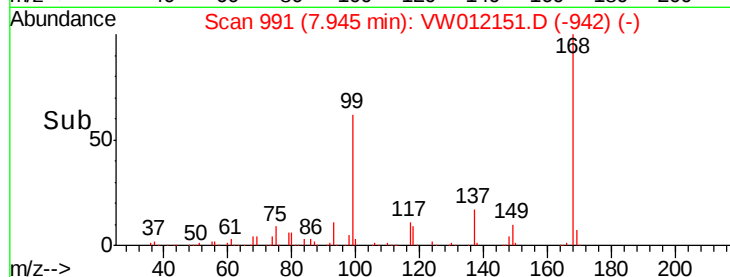
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.760 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012151.D

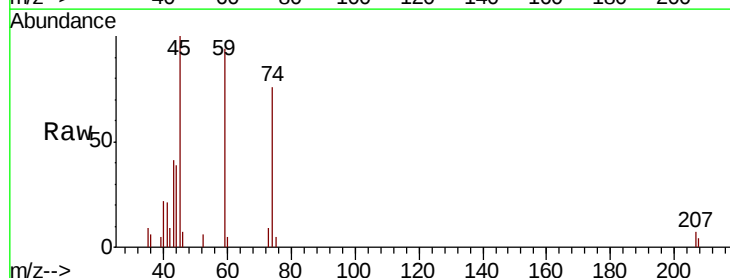
Acq: 23 Aug 2019 23:16

Tgt Ion: 74 Resp: 2139

Ion Ratio Lower Upper

74 100

45 137.4 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

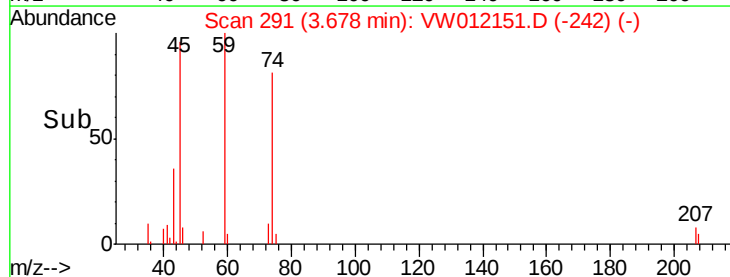
3.68

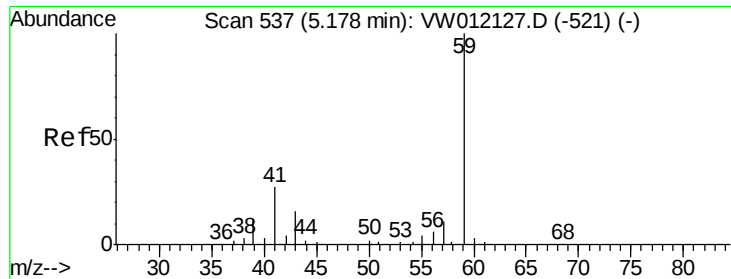
1000

500

0

Time-->

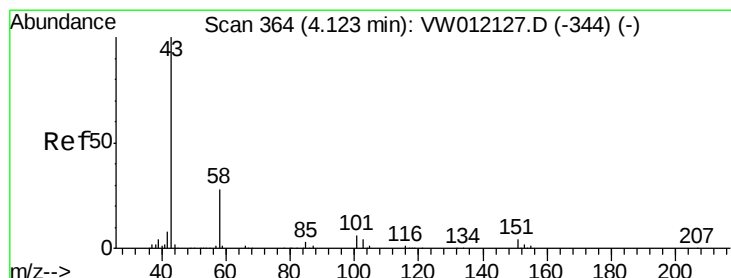
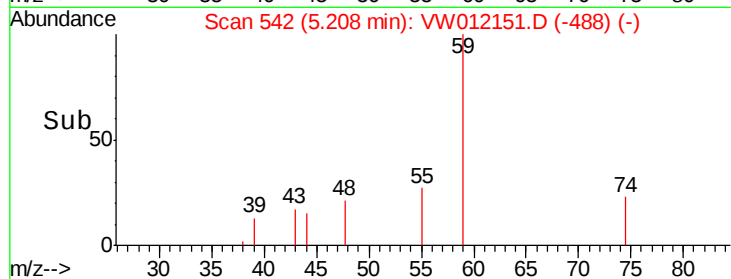
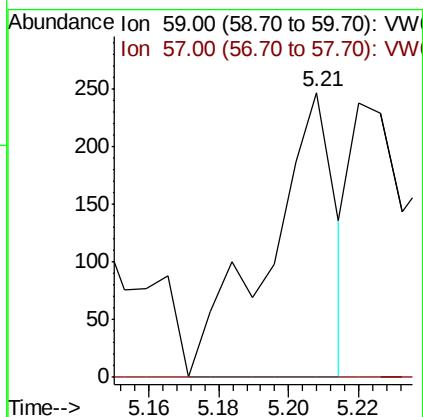
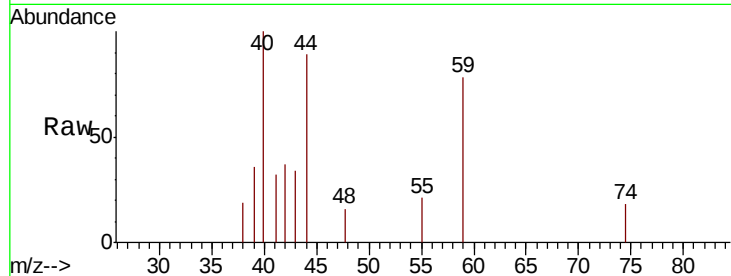




#11
Tert butyl alcohol
Concen: 2.093 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.03 min
Lab File: VW012151.D
Acq: 23 Aug 2019 23:16

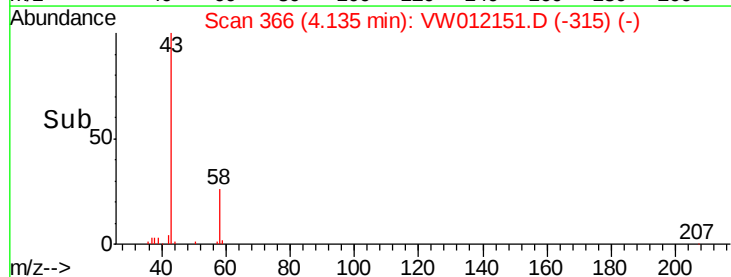
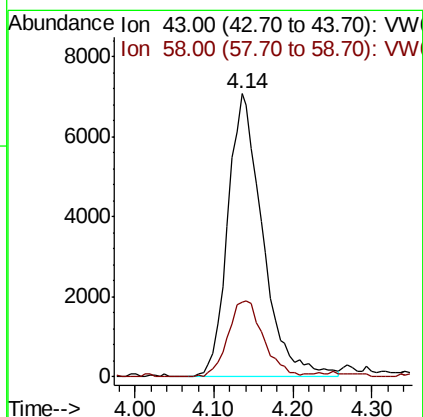
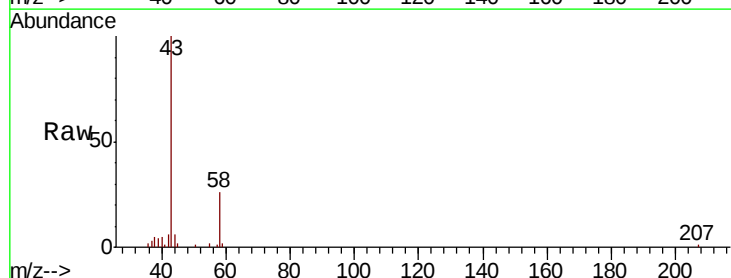
Instrument :
MSVOA_W
ClientSampled :
T1-2-K3-(0)

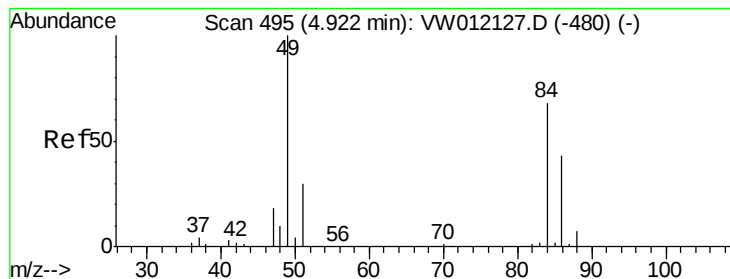
Tgt Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 32.785 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012151.D
Acq: 23 Aug 2019 23:16

Tgt Ion: 43 Resp: 21761
Ion Ratio Lower Upper
43 100
58 26.3 22.4 33.6





#20

Methylene Chloride

Concen: 8.108 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012151.D

Acq: 23 Aug 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K3-(0)

Tgt Ion: 84 Resp: 20346

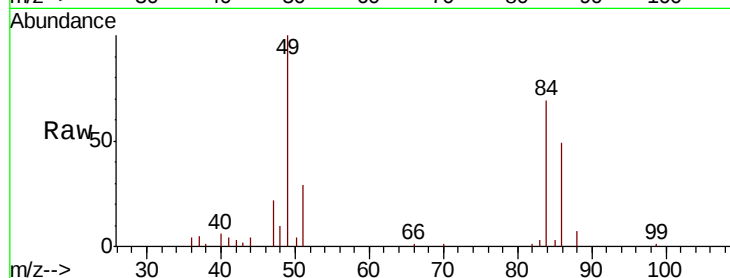
Ion Ratio Lower Upper

84 100

49 145.2 117.8 176.8

51 42.6 35.6 53.4

86 70.8 51.2 76.8

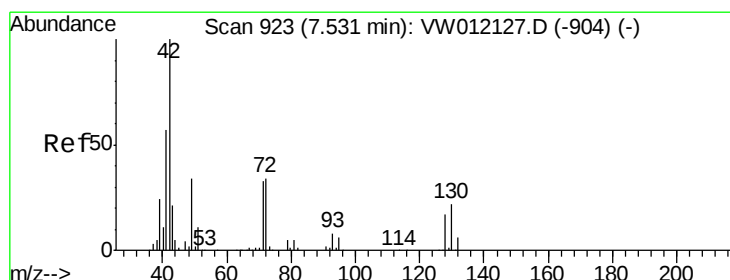
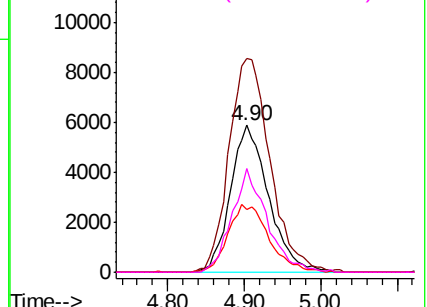
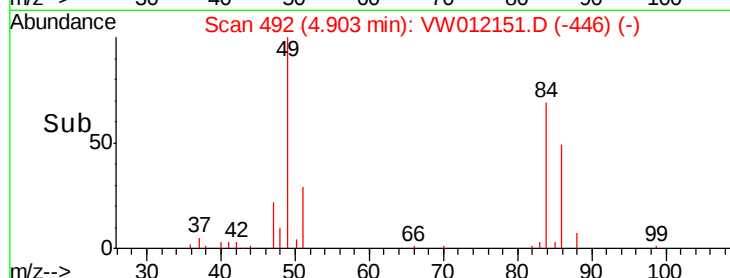


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 8.430 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012151.D

Acq: 23 Aug 2019 23:16

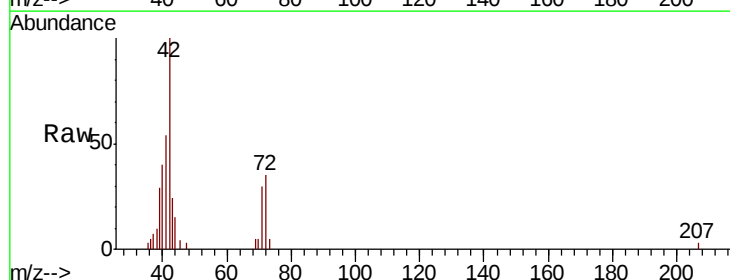
Tgt Ion: 42 Resp: 4562

Ion Ratio Lower Upper

42 100

72 34.9 27.3 40.9

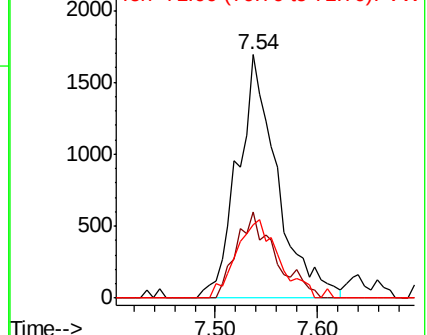
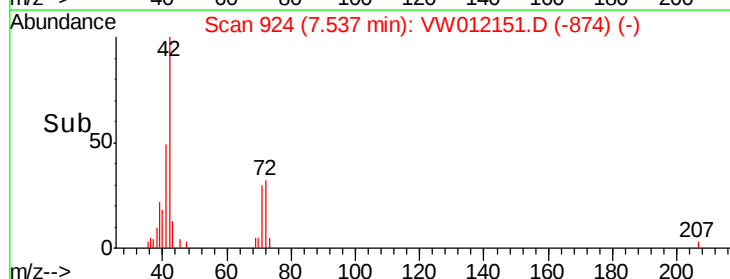
71 34.5 25.5 38.3

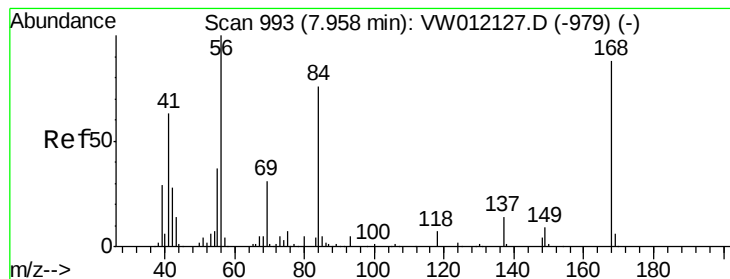


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.146 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012151.D

Acq: 23 Aug 2019 23:16

Instrument :

MSVOA_W

ClientSampled :

T1-2-K3-(0)

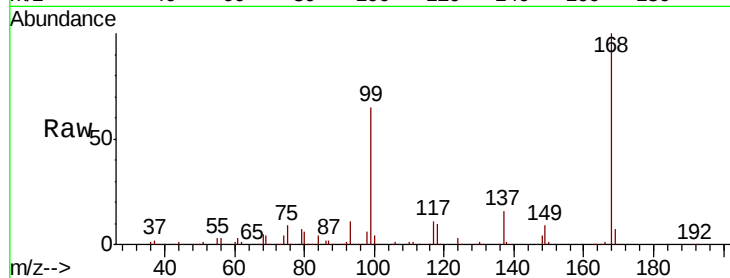
Tgt Ion: 56 Resp: 5362

Ion Ratio Lower Upper

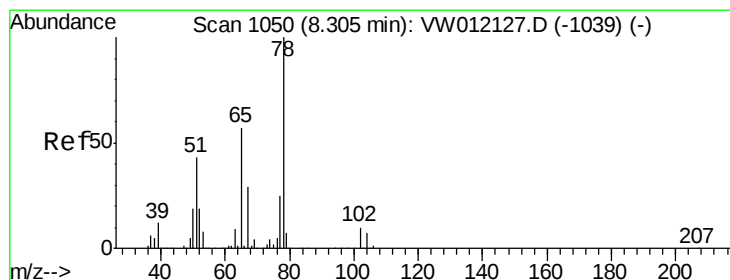
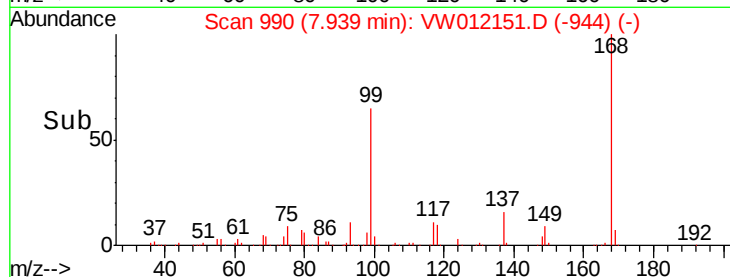
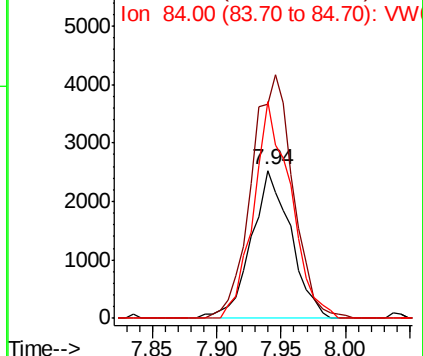
56 100

69 144.8 24.9 37.3#

84 146.1 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: 55.412 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012151.D

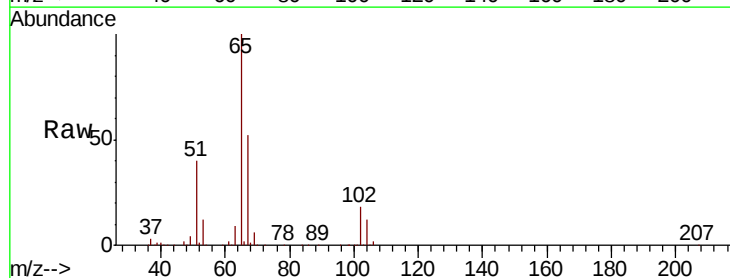
Acq: 23 Aug 2019 23:16

Tgt Ion: 65 Resp: 143884

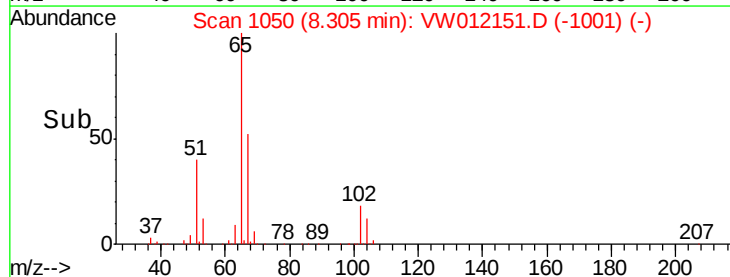
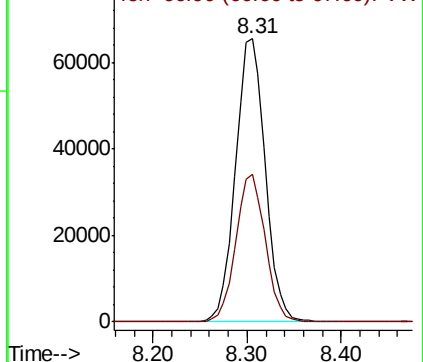
Ion Ratio Lower Upper

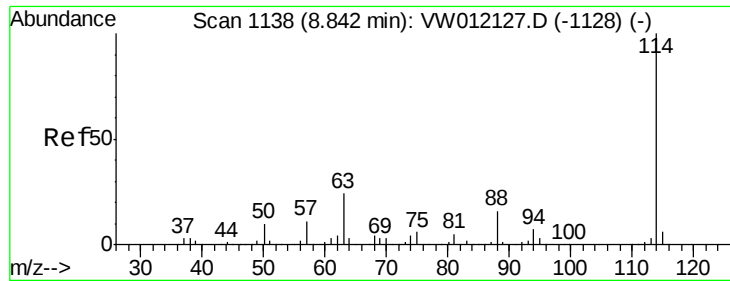
65 100

67 51.6 0.0 102.6



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

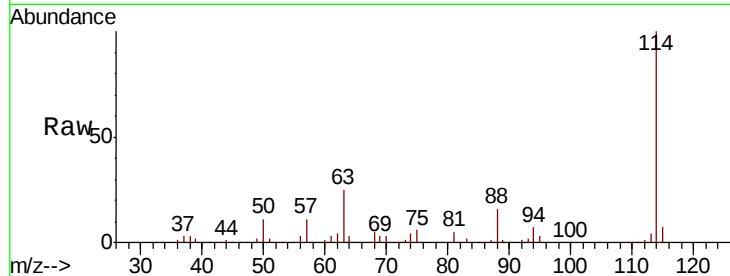




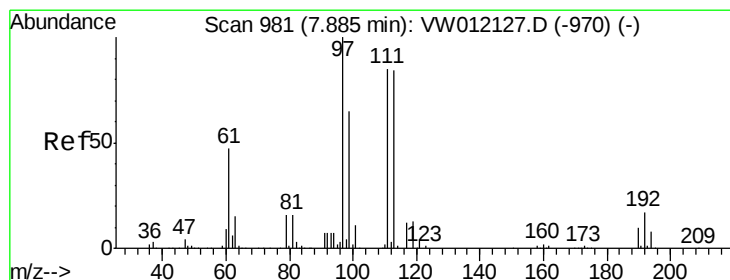
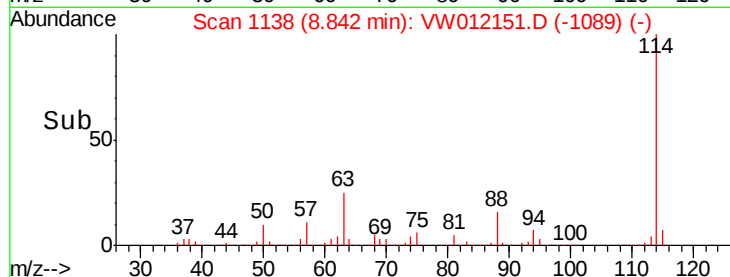
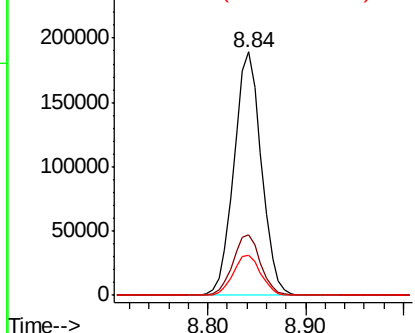
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012151.D
 Acq: 23 Aug 2019 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K3-(0)

Tgt Ion:114 Resp: 367217
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 48.6
 88 16.5 0.0 32.2

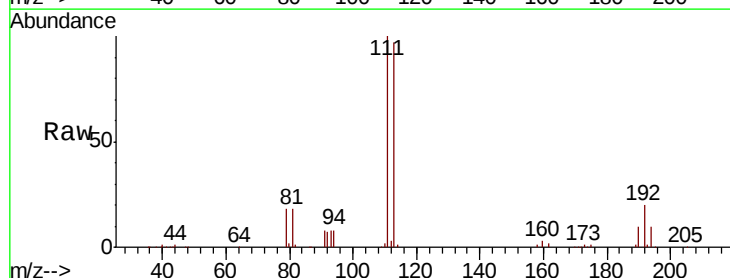


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

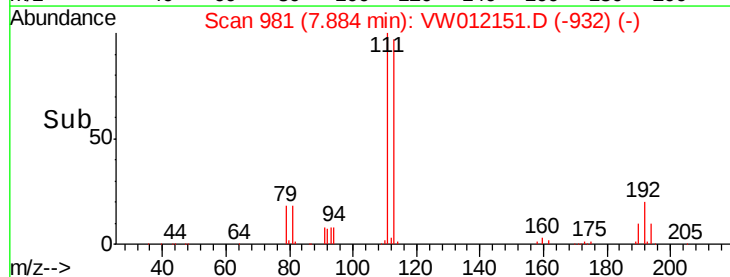
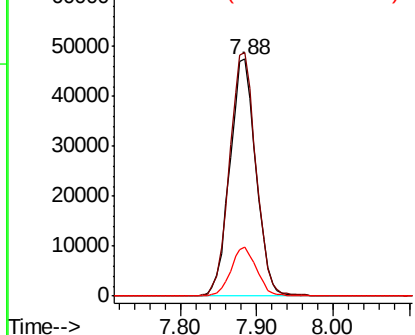


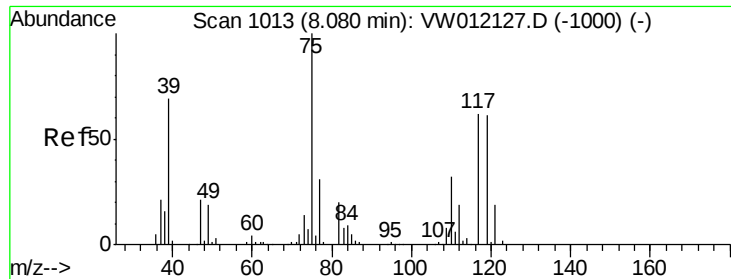
#35
 Dibromofluoromethane
 Concen: 51.055 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012151.D
 Acq: 23 Aug 2019 23:16

Tgt Ion:113 Resp: 111909
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.7 124.1
 192 20.3 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

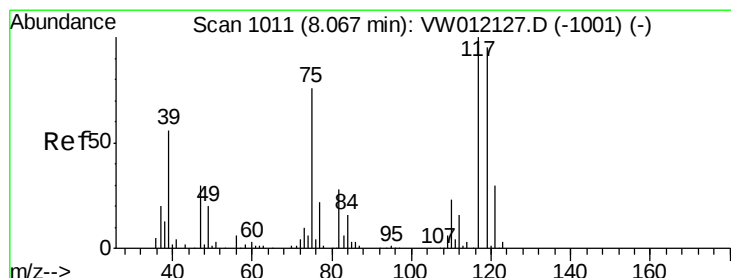
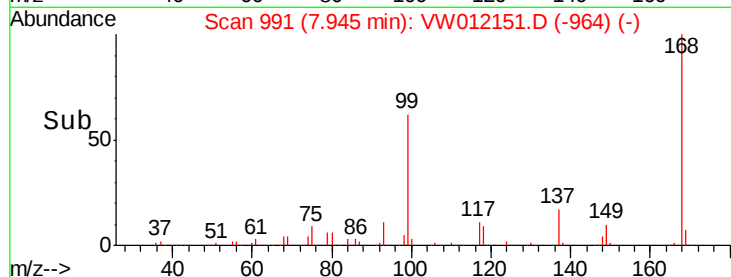
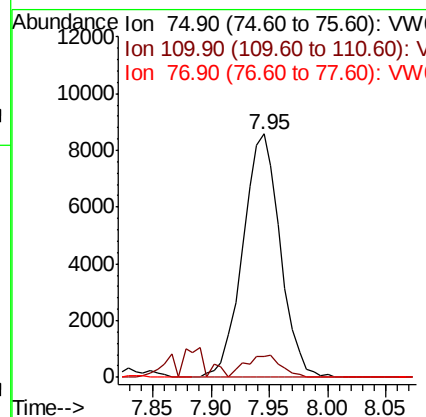
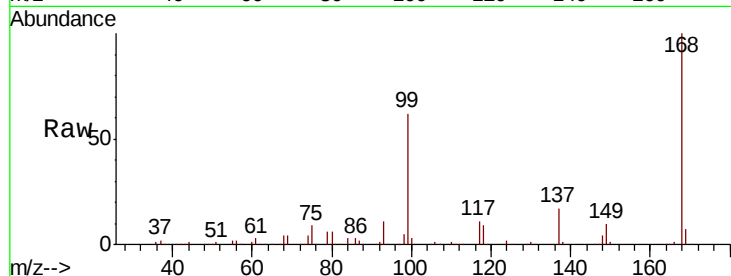




#36
 1,1-Dichloropropene
 Concen: 5.037 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012151.D
 Acq: 23 Aug 2019 23:16

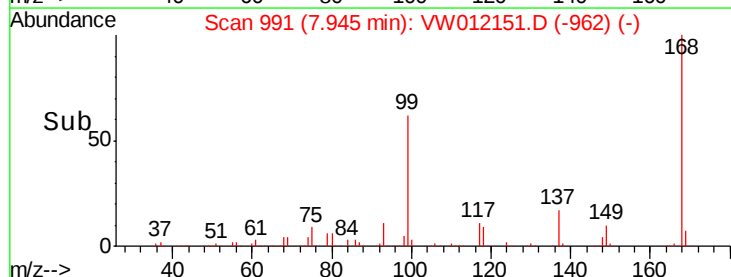
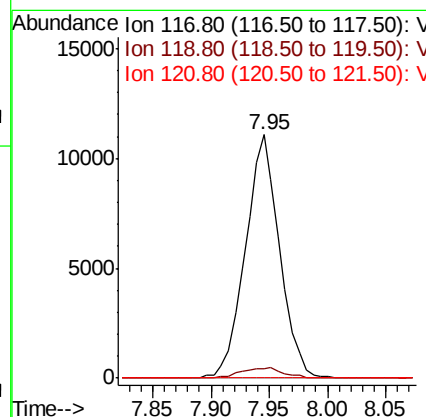
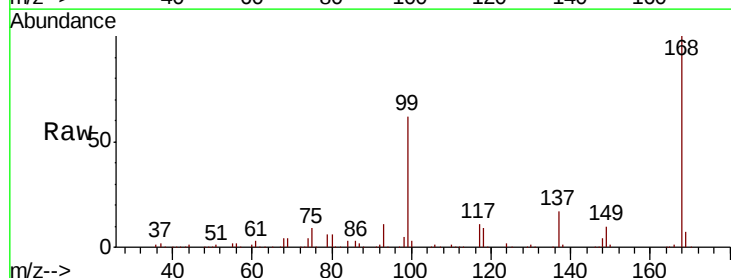
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K3-(0)

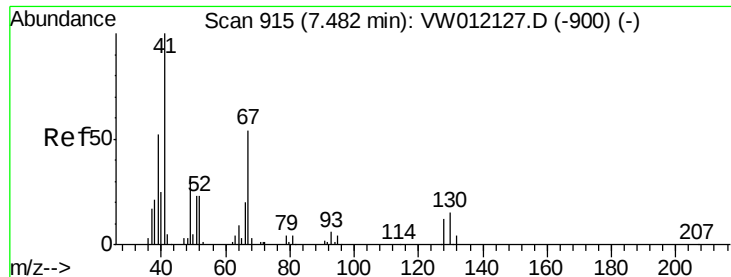
Tgt Ion: 75 Resp: 19113
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.875 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012151.D
 Acq: 23 Aug 2019 23:16

Tgt Ion: 117 Resp: 22579
 Ion Ratio Lower Upper
 117 100
 119 3.7 76.2 114.2#
 121 0.0 23.8 35.8#

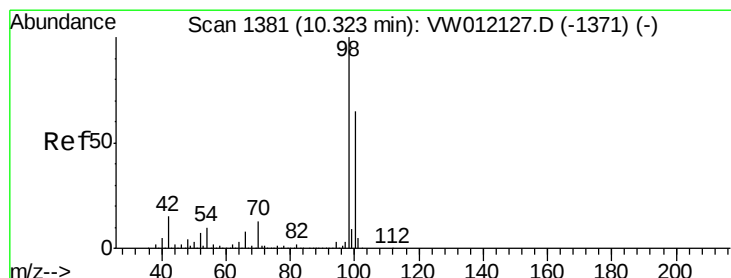
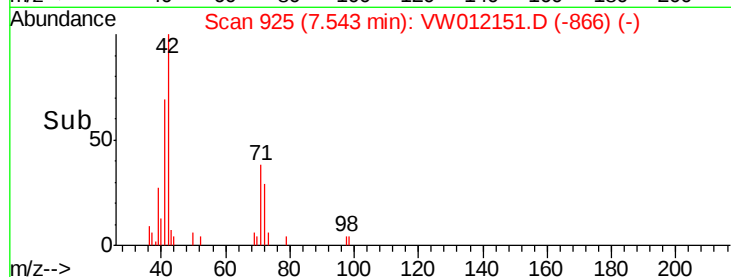
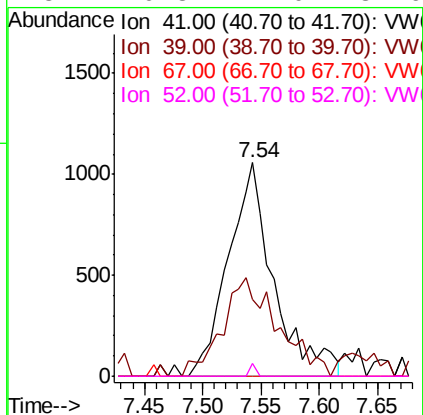
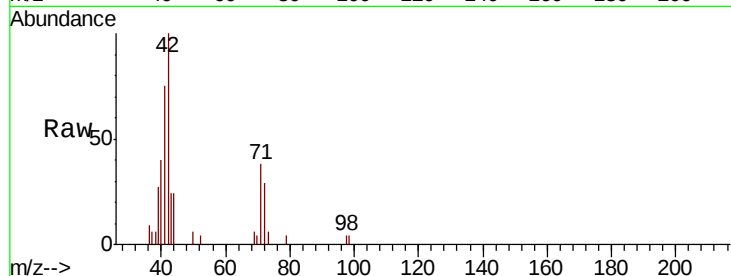




#41
Methacrylonitrile
Concen: 2.338 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012151.D
Acq: 23 Aug 2019 23:16

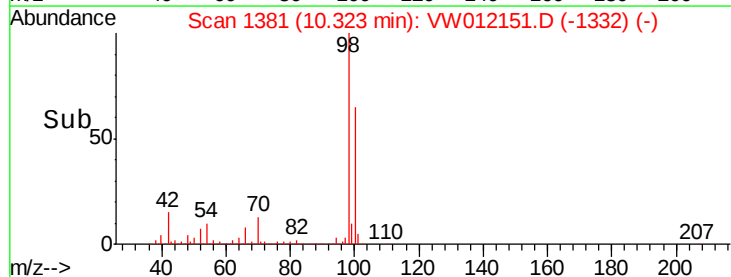
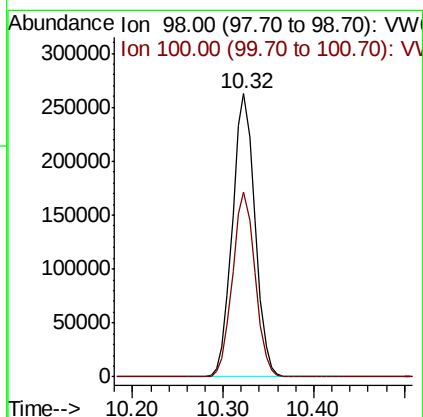
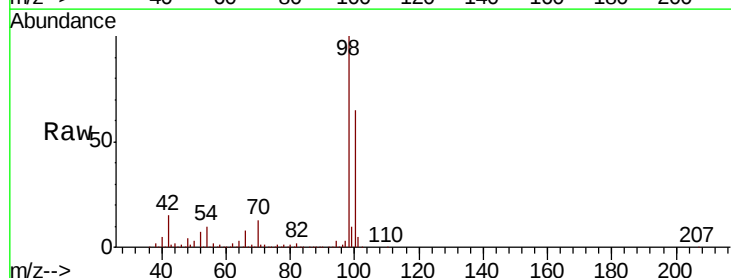
Instrument :
MSVOA_W
ClientSampleId :
T1-2-K3-(0)

Tgt Ion:	41	Resp:	2857
Ion	Ratio	Lower	Upper
41	100		
39	56.7	45.8	68.8
67	0.0	46.2	69.4#
52	0.8	21.0	31.6#



#50
Toluene-d8
Concen: 51.085 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012151.D
Acq: 23 Aug 2019 23:16

Tgt Ion:	98	Resp:	454024
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6





#62

4-Bromofluorobenzene

Concen: 43.571 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012151.D

Acq: 23 Aug 2019 23:16

Instrument :

MSVOA_W

ClientSampled :

T1-2-K3-(0)

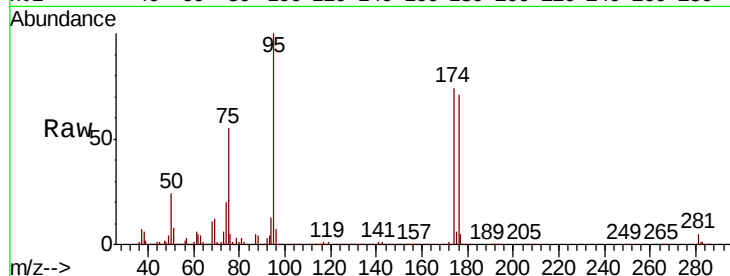
Tgt Ion: 95 Resp: 136503

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.8

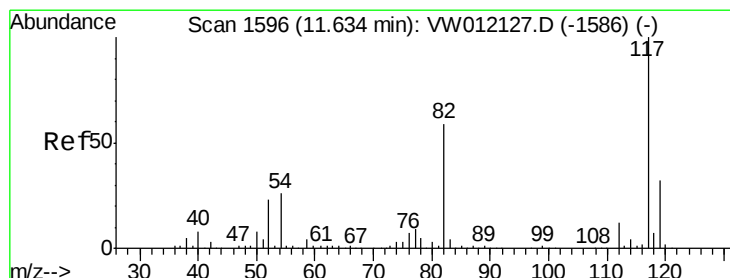
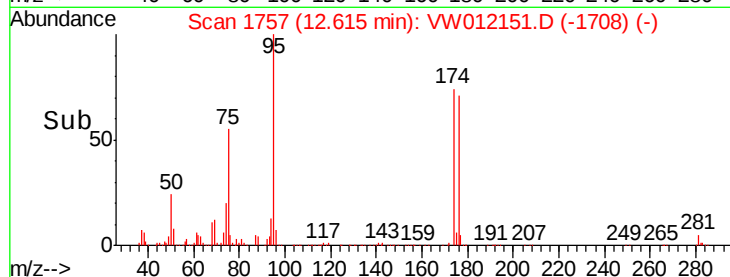
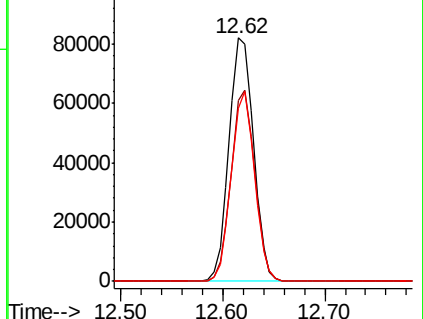
176 73.8 0.0 148.6



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: VW012151.D

Acq: 23 Aug 2019 23:16

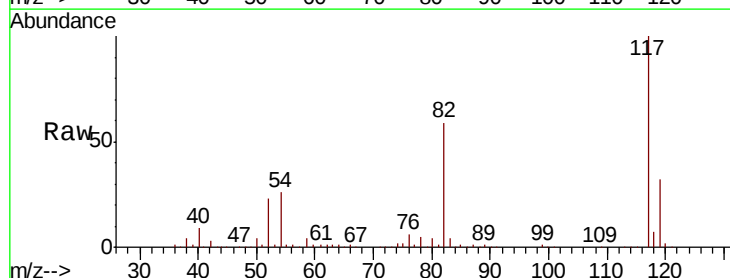
Tgt Ion: 117 Resp: 303631

Ion Ratio Lower Upper

117 100

82 58.9 47.4 71.2

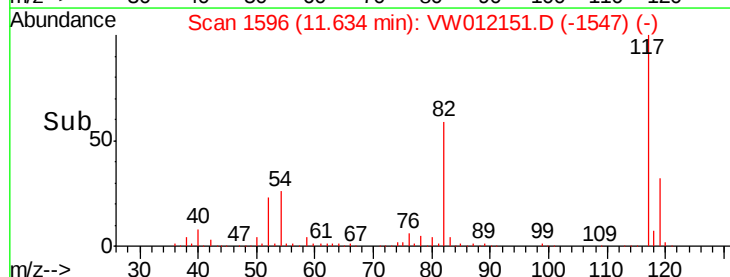
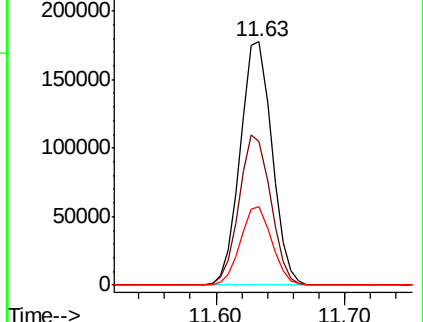
119 32.3 25.4 38.2

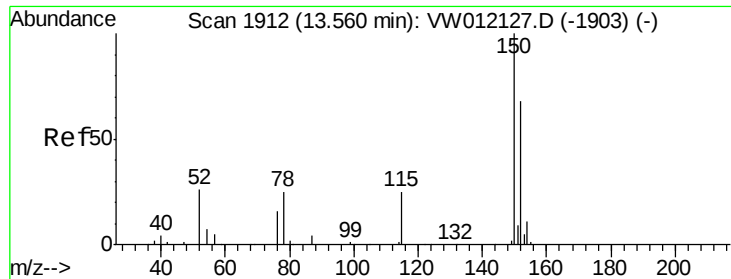


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012151.D

Acq: 23 Aug 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K3-(0)

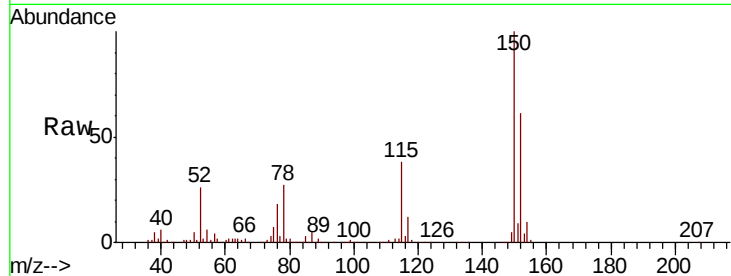
Tgt Ion:152 Resp: 112601

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.3

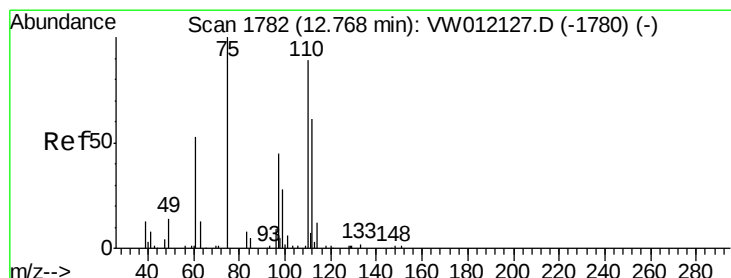
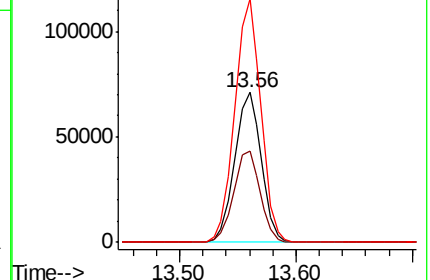
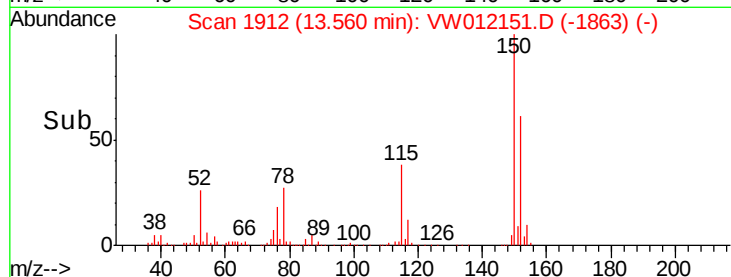
150 159.3 0.0 345.8



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: 67.185 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012151.D

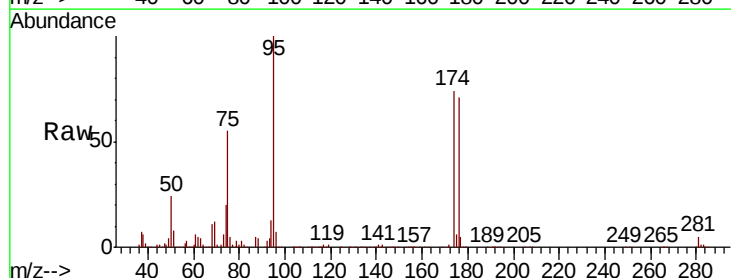
Acq: 23 Aug 2019 23:16

Tgt Ion: 75 Resp: 73679

Ion Ratio Lower Upper

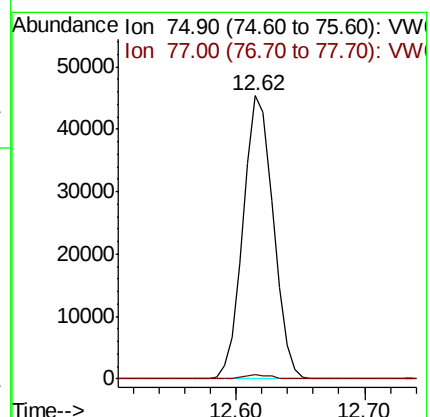
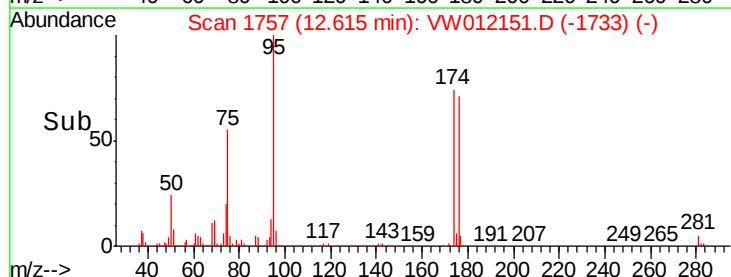
75 100

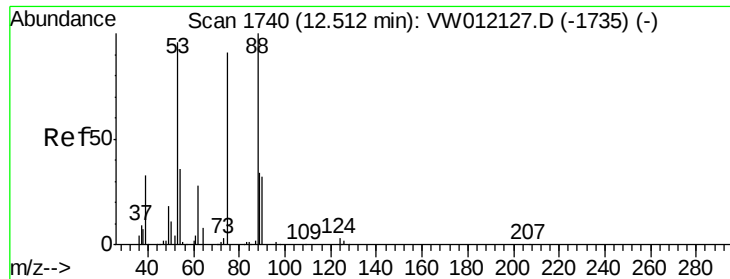
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

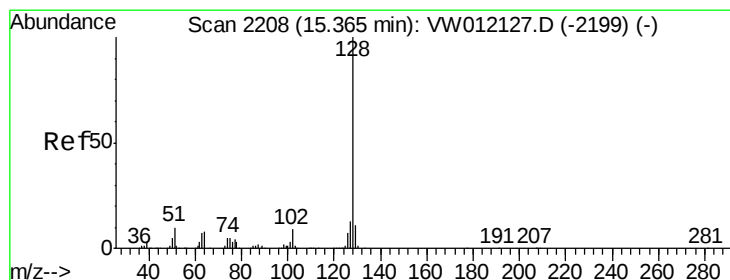
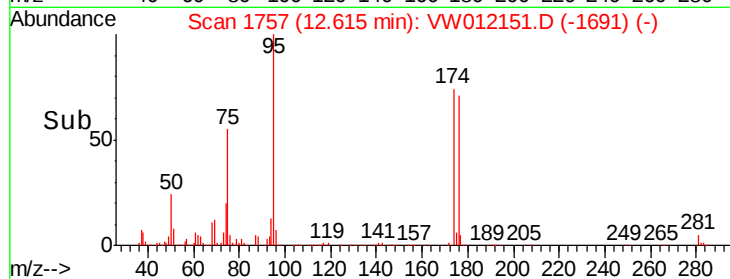
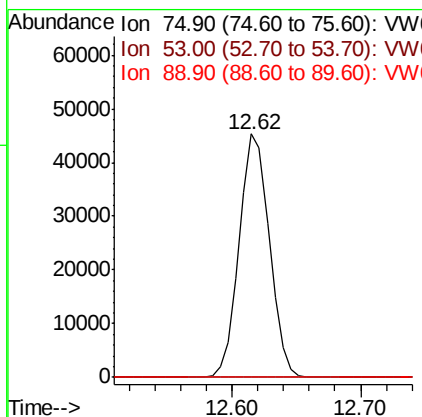
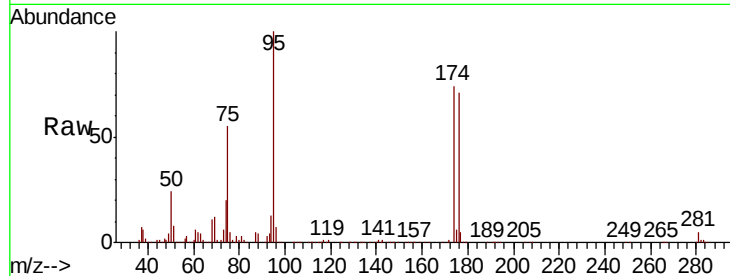




#81
trans-1,4-Dichloro-2-butene
Concen: 147.306 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012151.D
Acq: 23 Aug 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
T1-2-K3-(0)

Tgt Ion: 75 Resp: 73679
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.358 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012151.D
Acq: 23 Aug 2019 23:16

Tgt Ion: 128 Resp: 172
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

