

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012674.D
 Acq On : 06 Sep 2019 06:31
 Operator : SY/VA
 Sample : K4581-03
 Misc : 4.27G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-C1-(0)

Quant Time: Sep 06 08:00:03 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	261833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	415698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128837	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	167625	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	7.88	113	127554	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	10.32	98	509584	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.62	95	154037	43.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.86%	

Target Compounds

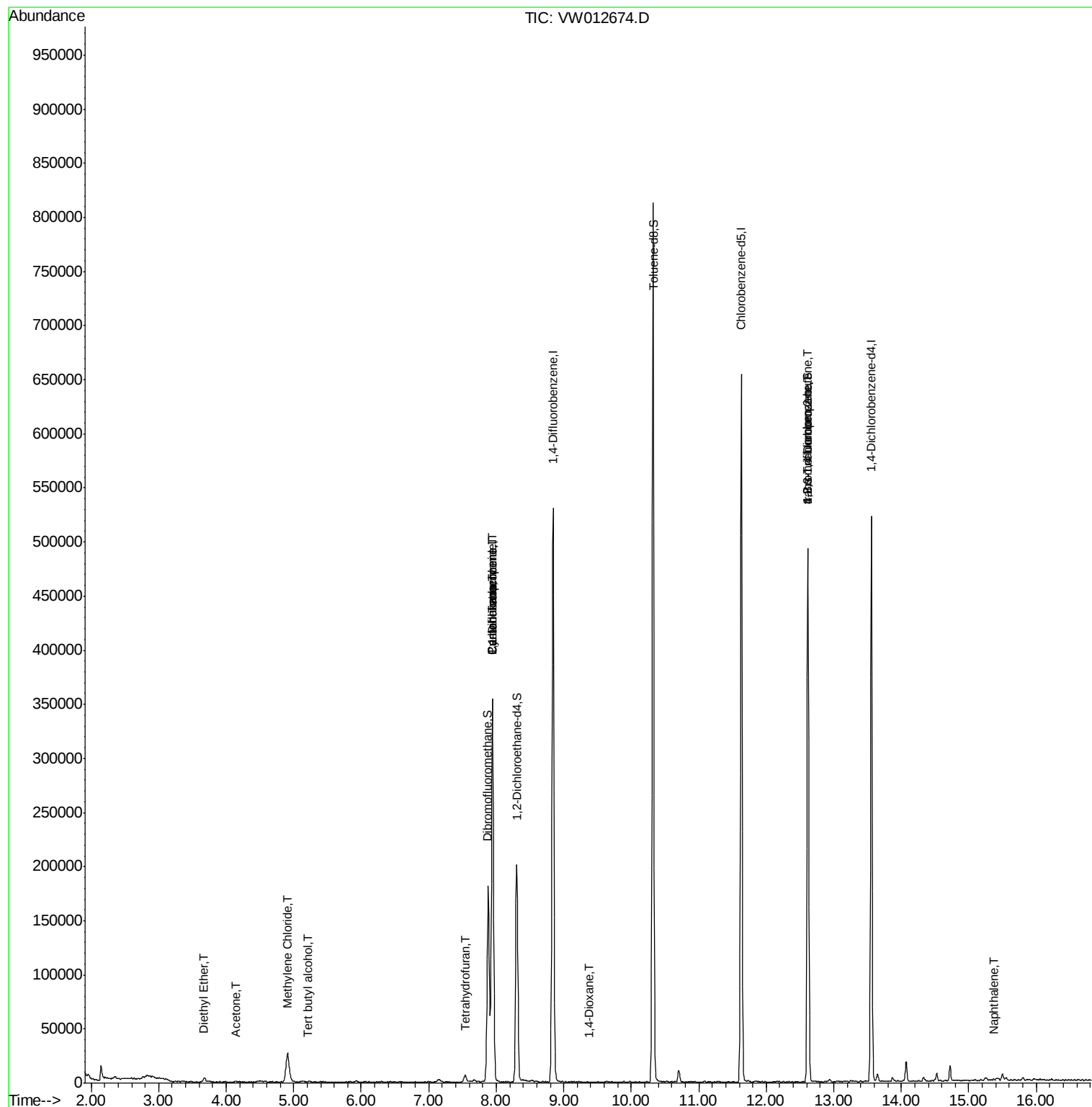
						Qvalue
8) Diethyl Ether	3.68	74	1757	1.206	ug/l	75
11) Tert butyl alcohol	5.21	59	451	2.408	ug/l	94
16) Acetone	4.15	43	1010	1.269	ug/l #	47
20) Methylene Chloride	4.91	84	19703	6.551	ug/l	98
29) Tetrahydrofuran	7.54	42	5491	8.465	ug/l	99
31) Cyclohexane	7.94	56	6565	1.171	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	21764	5.066	ug/l #	53
38) Carbon Tetrachloride	7.95	117	26438	7.111	ug/l #	17
49) 1,4-Dioxane	9.38	88	45	2.093	ug/l #	8
76) 1,2,3-Trichloropropane	12.62	75	84961	67.710	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84961	148.456	ug/l #	6
95) Naphthalene	15.36	128	274	4.373	ug/l #	66

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

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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: VW012674.D

Acq: 06 Sep 2019 06:31

Instrument :

MSVOA_W

ClientSampleId :

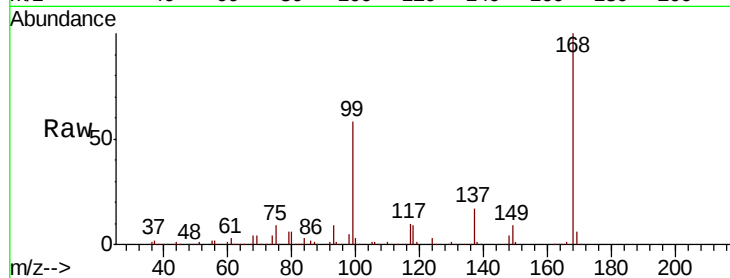
T12-C1-(0)

Tgt Ion:168 Resp: 261833

Ion Ratio Lower Upper

168 100

99 58.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

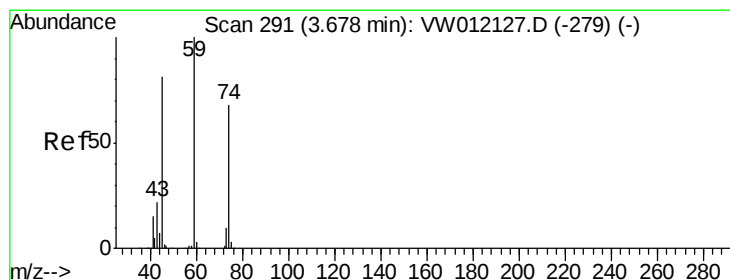
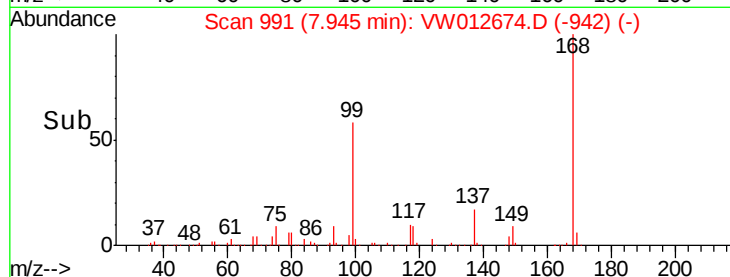
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.206 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012674.D

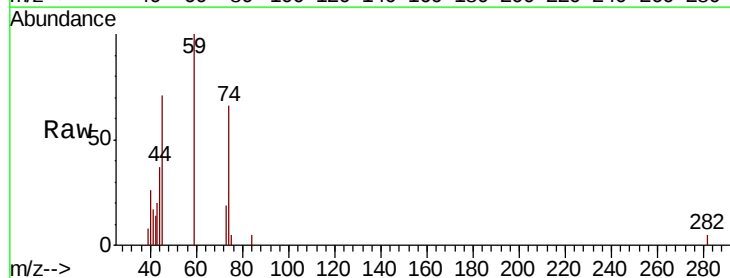
Acq: 06 Sep 2019 06:31

Tgt Ion: 74 Resp: 1757

Ion Ratio Lower Upper

74 100

45 146.4 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

800

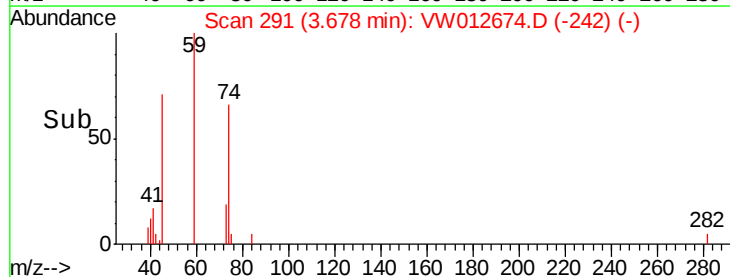
600

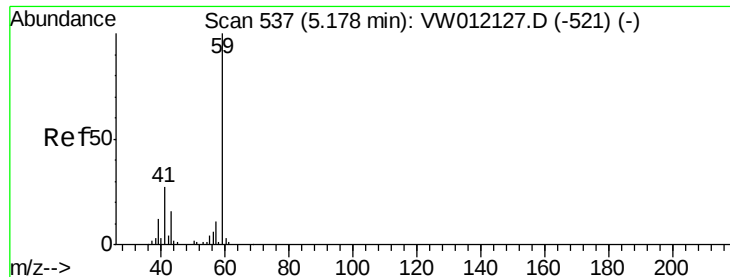
400

200

0

Time--> 3.60 3.65 3.70 3.75

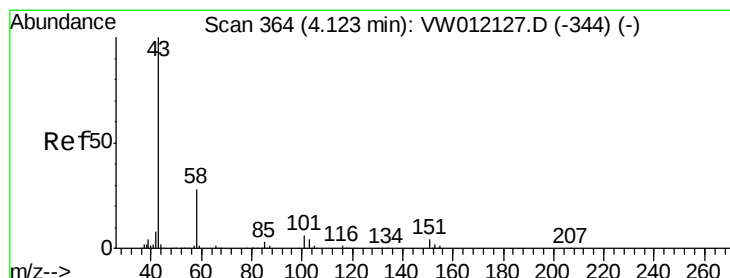
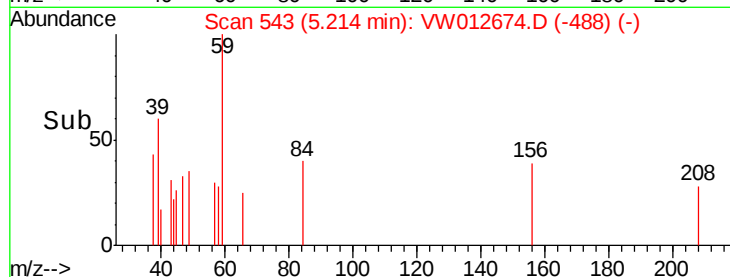
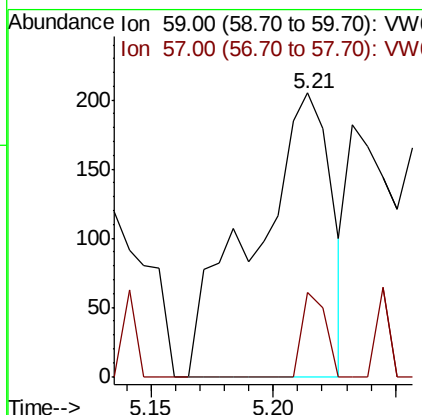
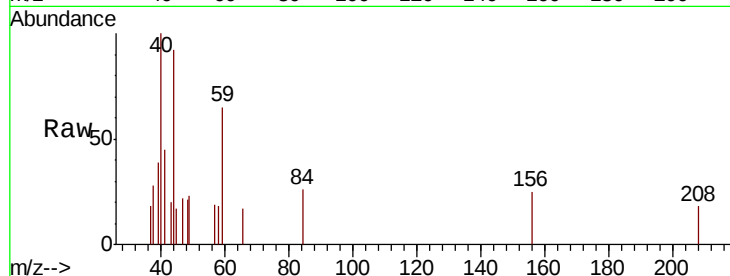




#11
Tert butyl alcohol
Concen: 2.408 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.04 min
Lab File: VW012674.D
Acq: 06 Sep 2019 06:31

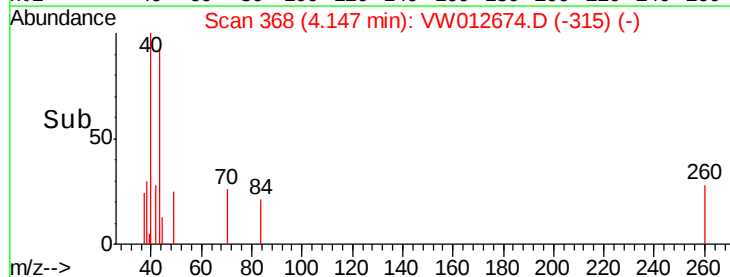
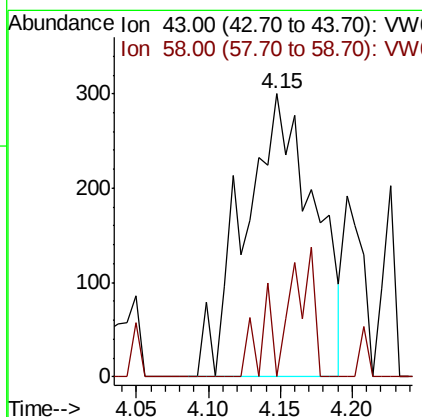
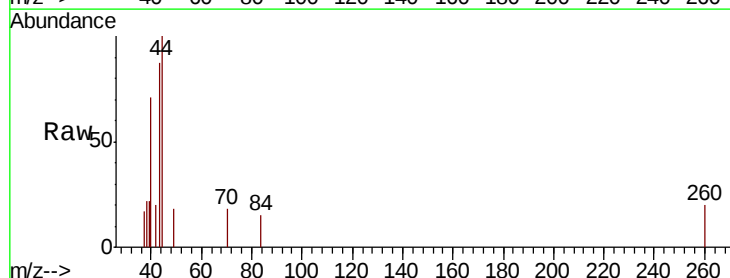
Instrument :
MSVOA_W
ClientSampleId :
T12-C1-(0)

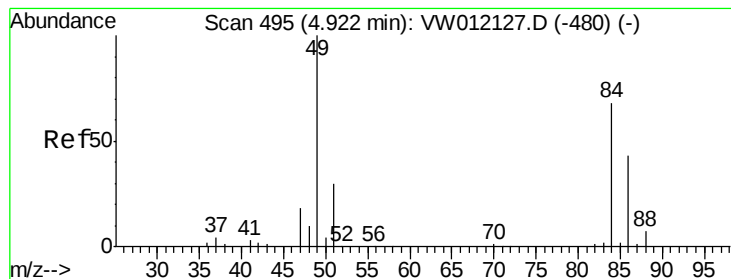
Tgt Ion: 59 Resp: 451
Ion Ratio Lower Upper
59 100
57 9.1 9.0 13.4



#16
Acetone
Concen: 1.269 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW012674.D
Acq: 06 Sep 2019 06:31

Tgt Ion: 43 Resp: 1010
Ion Ratio Lower Upper
43 100
58 0.0 22.4 33.6#





#20

Methylene Chloride

Concen: 6.551 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012674.D

Acq: 06 Sep 2019 06:31

Instrument :

MSVOA_W

ClientSampleId :

T12-C1-(0)

Tgt Ion: 84 Resp: 19703

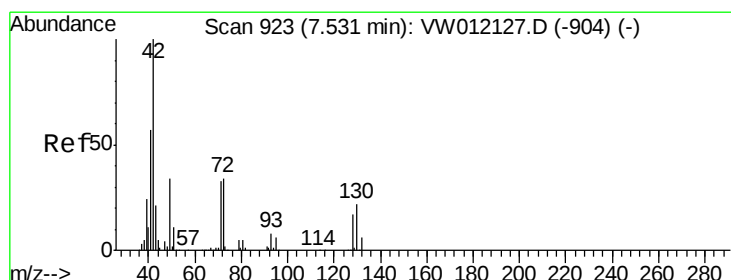
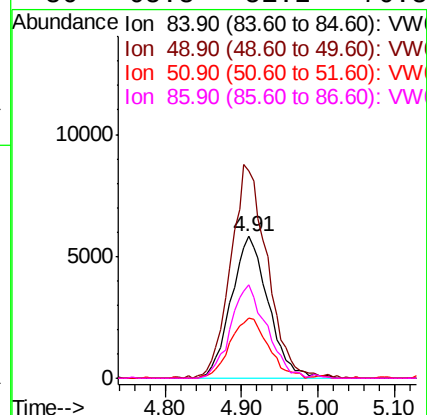
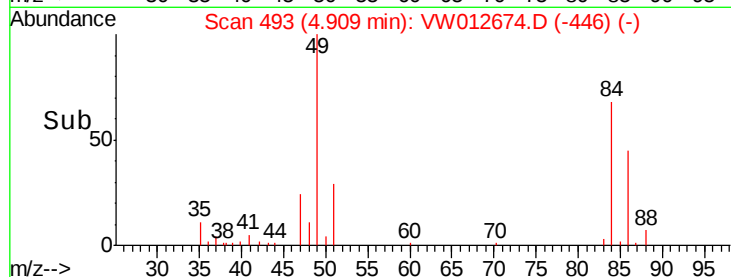
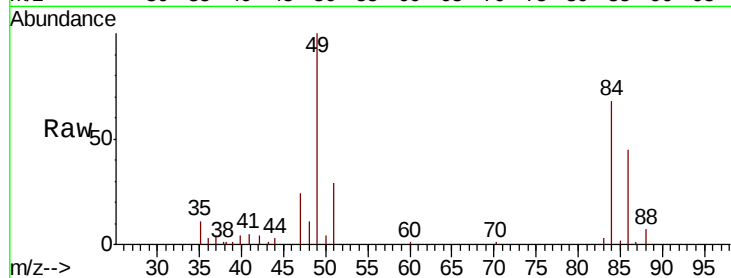
Ion Ratio Lower Upper

84 100

49 146.1 117.8 176.8

51 42.8 35.6 53.4

86 65.8 51.2 76.8



#29

Tetrahydrofuran

Concen: 8.465 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012674.D

Acq: 06 Sep 2019 06:31

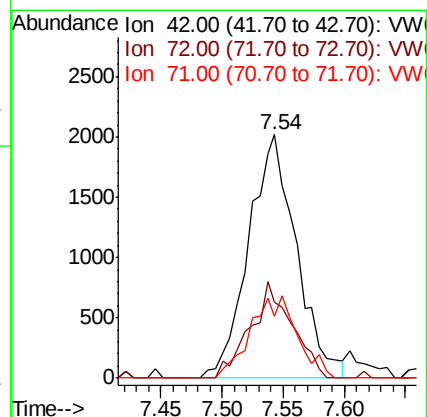
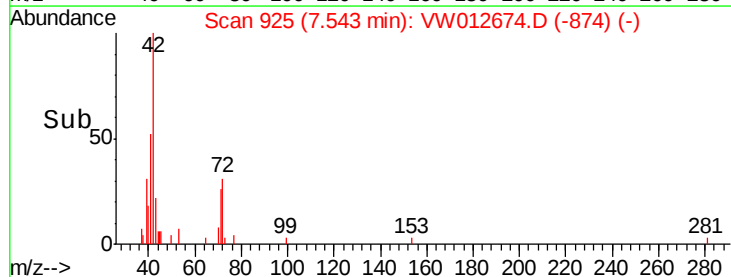
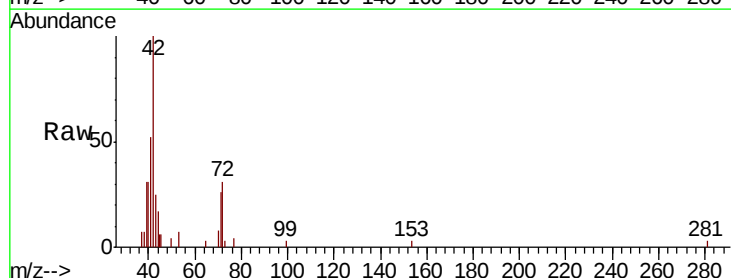
Tgt Ion: 42 Resp: 5491

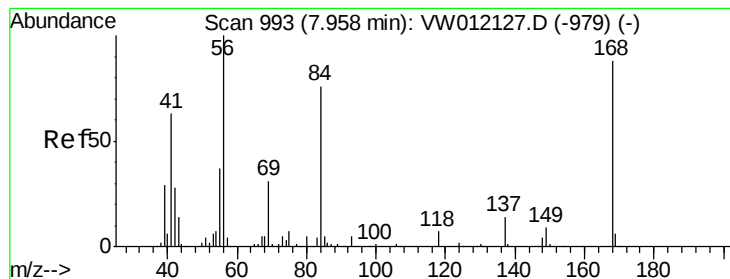
Ion Ratio Lower Upper

42 100

72 34.5 27.3 40.9

71 32.9 25.5 38.3





#31

Cyclohexane

Concen: 1.171 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012674.D

Acq: 06 Sep 2019 06:31

Instrument :
MSVOA_W
ClientSampleId :
T12-C1-(0)

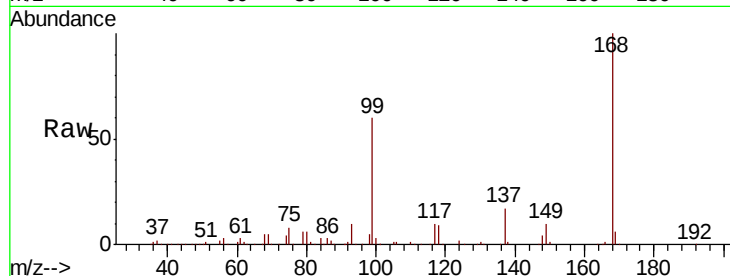
Tgt Ion: 56 Resp: 6565

Ion Ratio Lower Upper

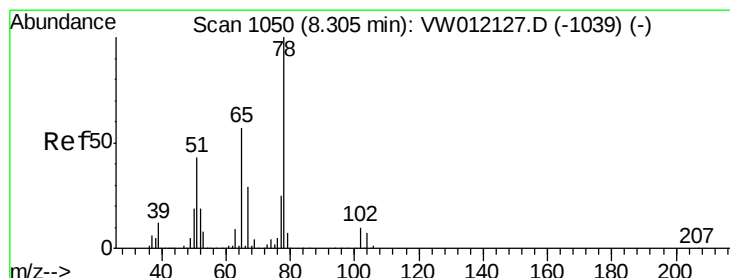
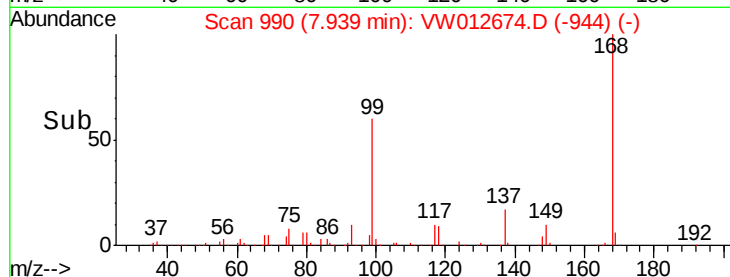
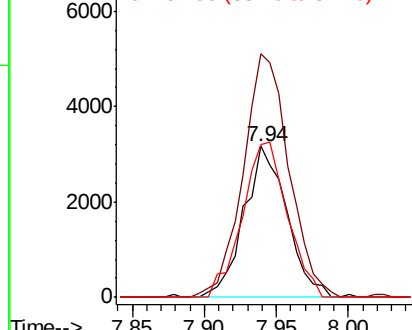
56 100

69 160.9 24.9 37.3#

84 101.0 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: 53.854 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012674.D

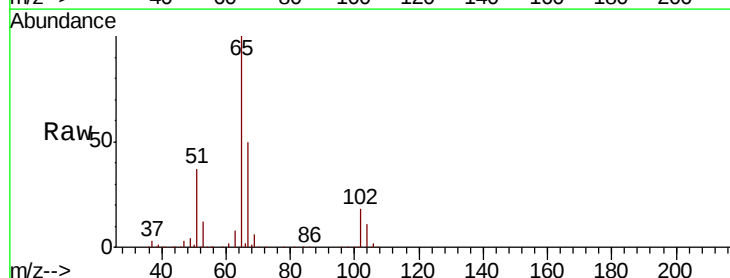
Acq: 06 Sep 2019 06:31

Tgt Ion: 65 Resp: 167625

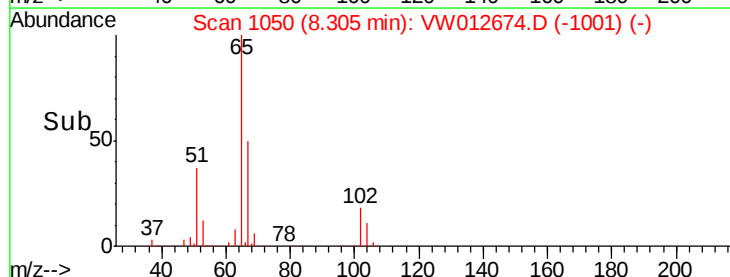
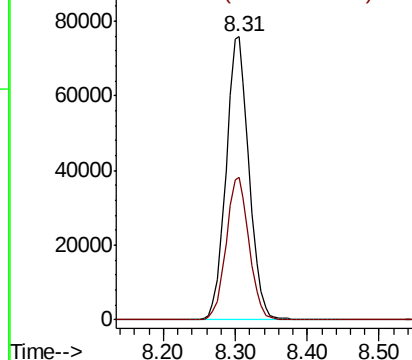
Ion Ratio Lower Upper

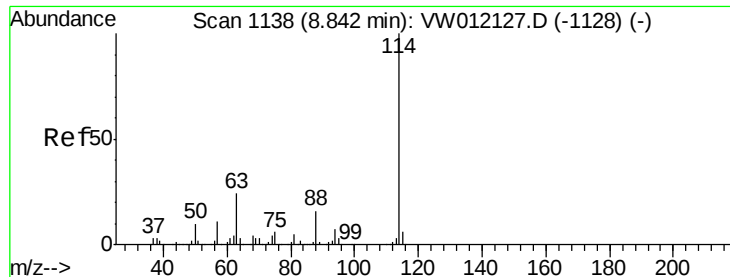
65 100

67 50.8 0.0 102.6



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

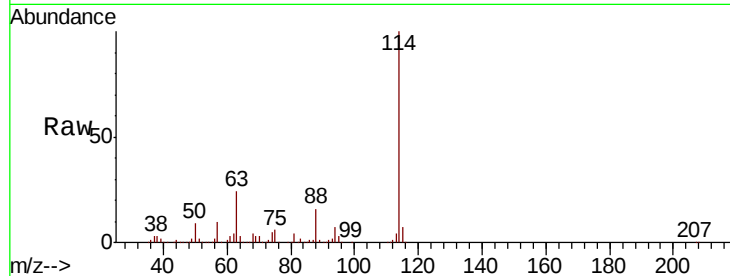




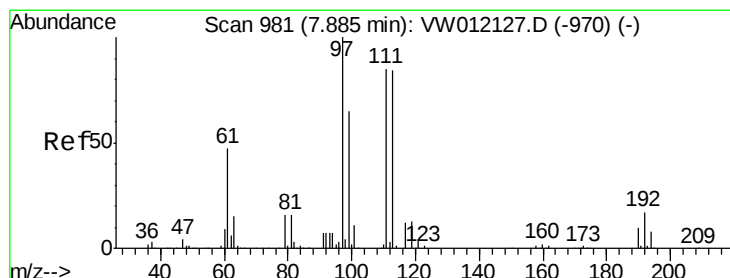
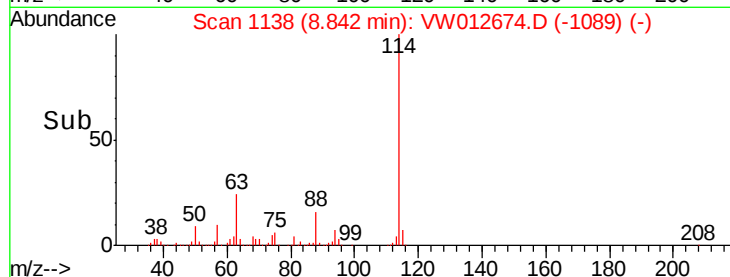
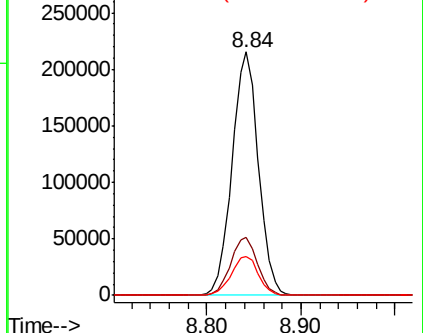
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012674.D
 Acq: 06 Sep 2019 06:31

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-C1-(0)

Tgt Ion:114 Resp: 415698
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 48.6
 88 15.7 0.0 32.2

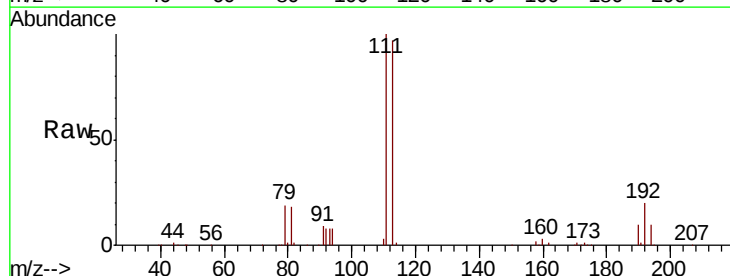


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

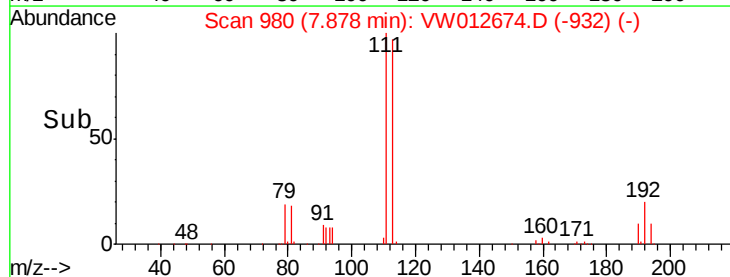
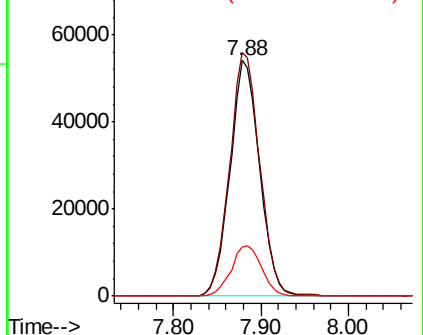


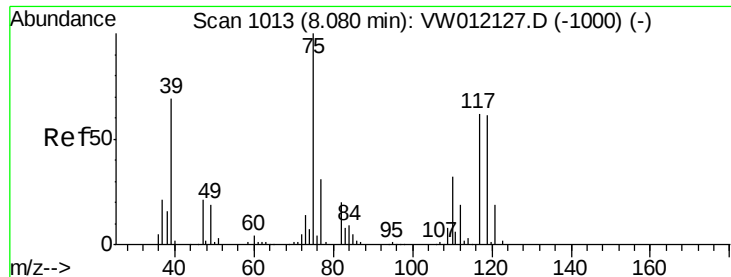
#35
 Dibromofluoromethane
 Concen: 51.406 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012674.D
 Acq: 06 Sep 2019 06:31

Tgt Ion:113 Resp: 127554
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.7 124.1
 192 22.1 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

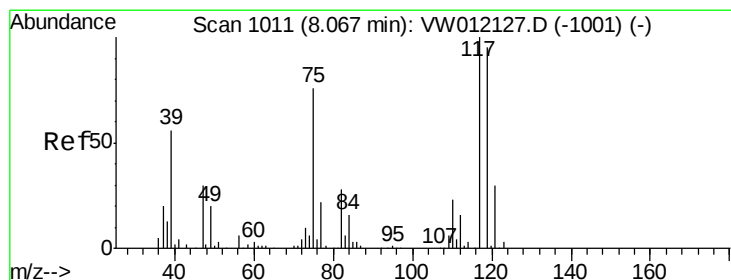
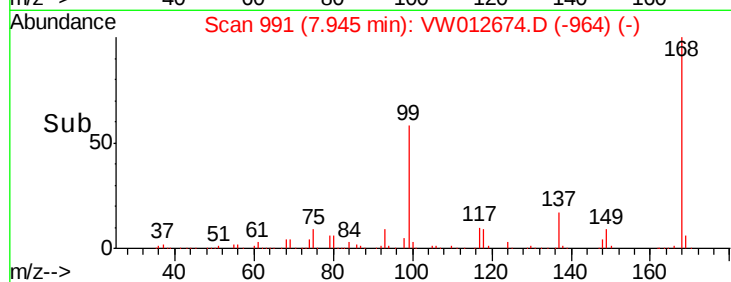
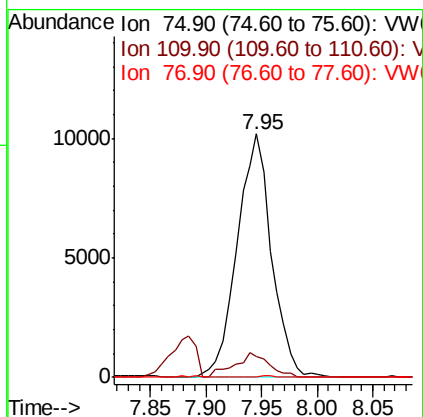
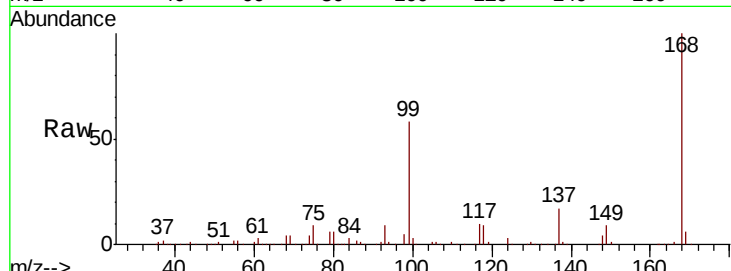




#36
 1,1-Dichloropropene
 Concen: 5.066 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012674.D
 Acq: 06 Sep 2019 06:31

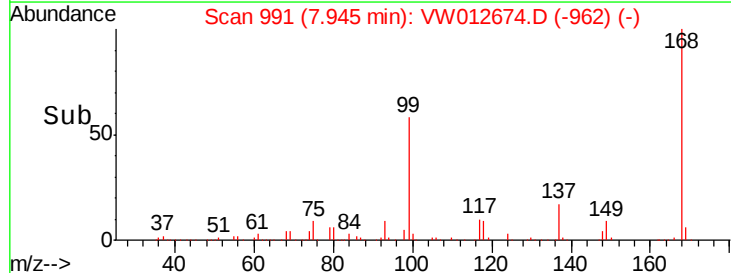
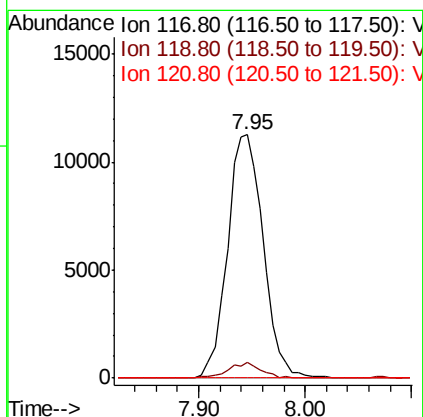
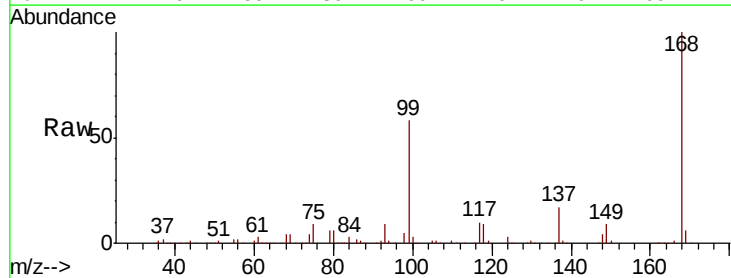
Instrument :
 MSVOA_W
 ClientSampled :
 T12-C1-(0)

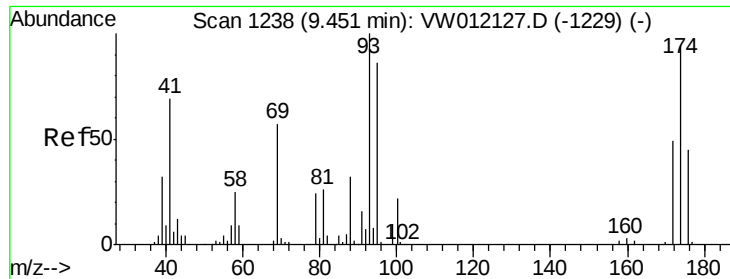
Tgt Ion: 75 Resp: 21764
 Ion Ratio Lower Upper
 75 100
 110 10.2 15.6 46.8#
 77 0.2 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.111 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012674.D
 Acq: 06 Sep 2019 06:31

Tgt Ion: 117 Resp: 26438
 Ion Ratio Lower Upper
 117 100
 119 6.4 76.2 114.2#
 121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 2.093 ug/l

RT: 9.38 min Scan# 1227

Delta R.T. -0.07 min

Lab File: VW012674.D

Acq: 06 Sep 2019 06:31

Instrument :

MSVOA_W

ClientSampleId :

T12-C1-(0)

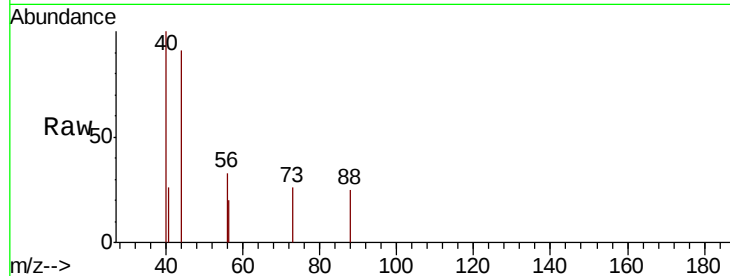
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 95.6 32.9 49.3#

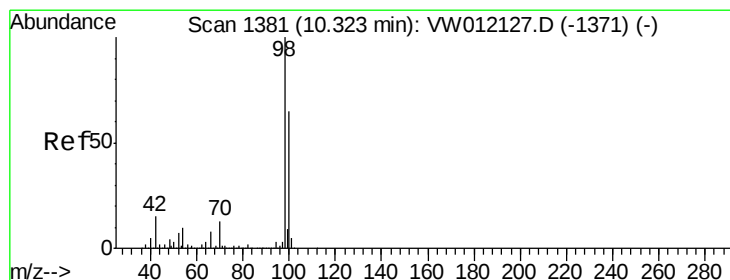
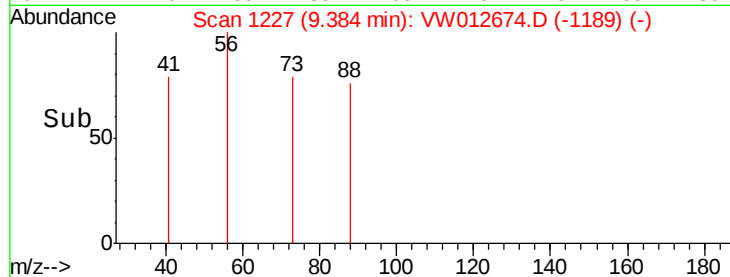
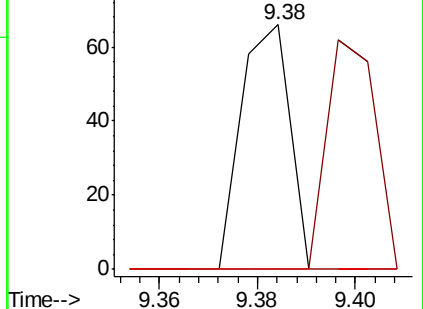
58 0.0 71.0 106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.649 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012674.D

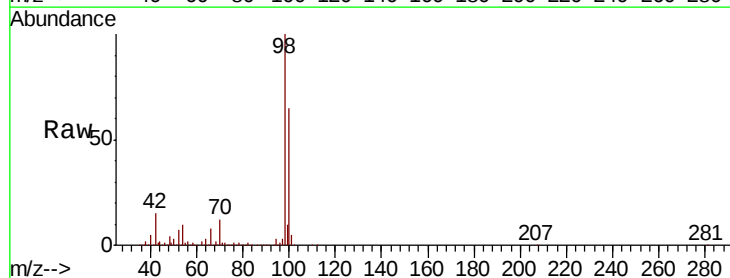
Acq: 06 Sep 2019 06:31

Tgt Ion: 98 Resp: 509584

Ion Ratio Lower Upper

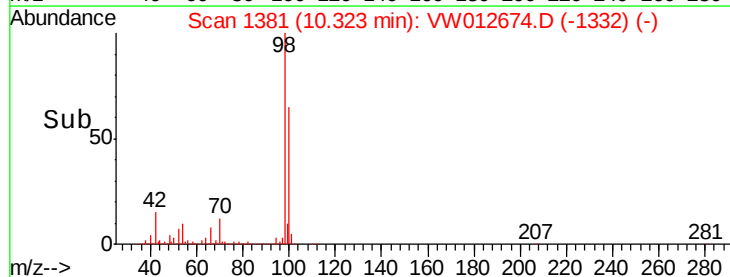
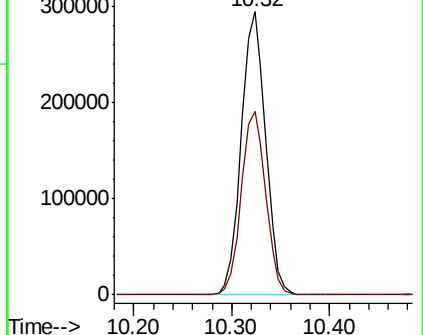
98 100

100 65.2 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: 43.434 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012674.D

Acq: 06 Sep 2019 06:31

Instrument :

MSVOA_W

ClientSampleId :

T12-C1-(0)

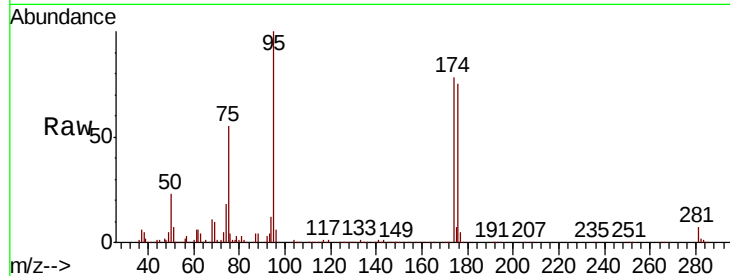
Tgt Ion: 95 Resp: 154037

Ion Ratio Lower Upper

95 100

174 80.1 0.0 150.8

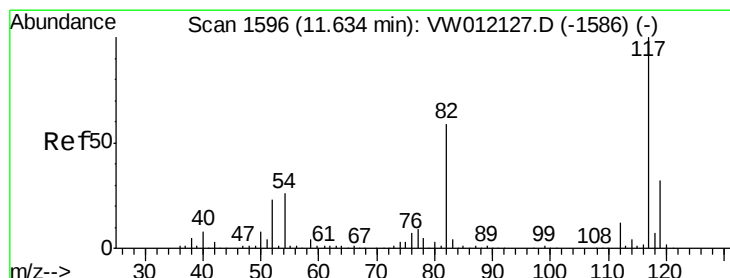
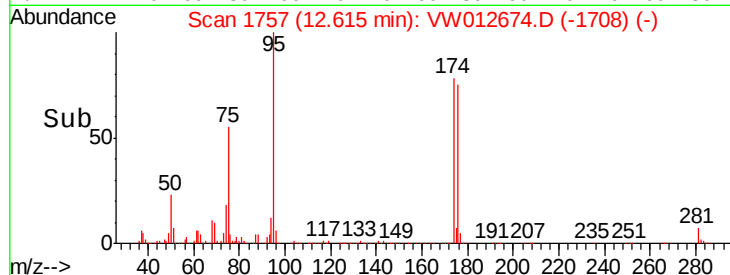
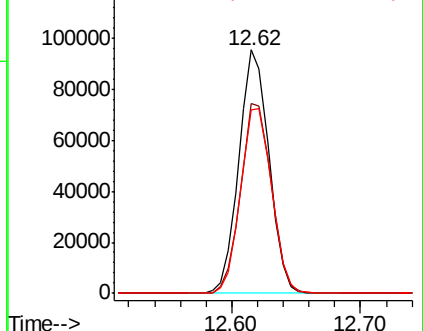
176 78.7 0.0 148.6



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: VW012674.D

Acq: 06 Sep 2019 06:31

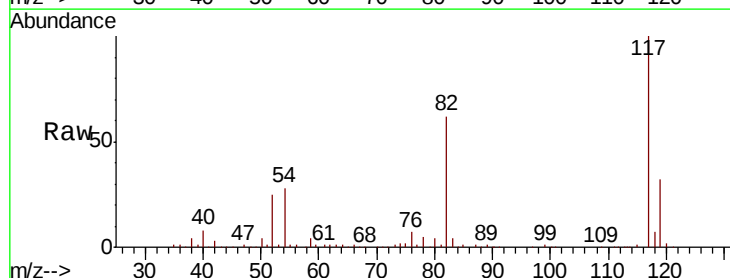
Tgt Ion: 117 Resp: 342260

Ion Ratio Lower Upper

117 100

82 62.1 47.4 71.2

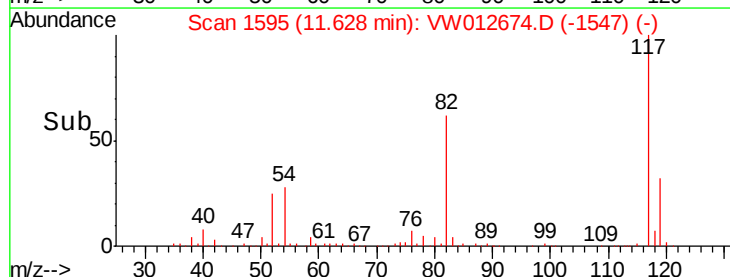
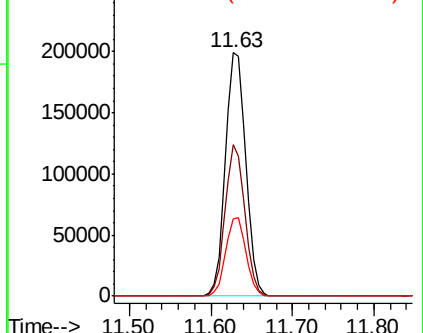
119 31.8 25.4 38.2

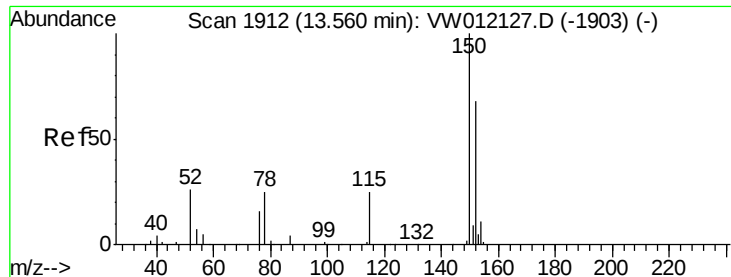


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012674.D

Acq: 06 Sep 2019 06:31

Instrument :

MSVOA_W

ClientSampleId :

T12-C1-(0)

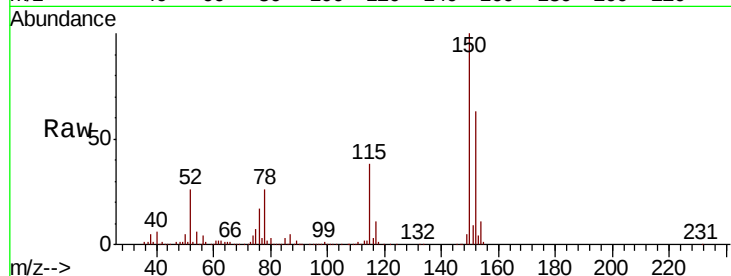
Tgt Ion:152 Resp: 128837

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

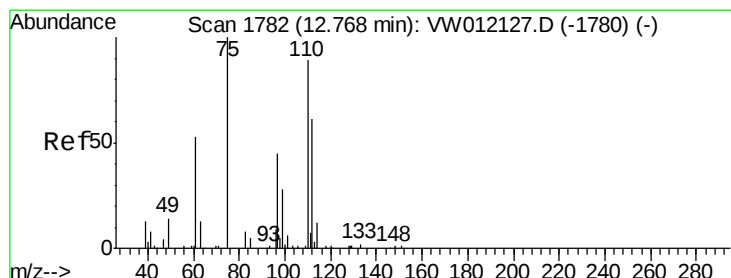
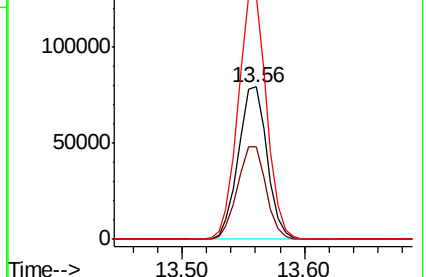
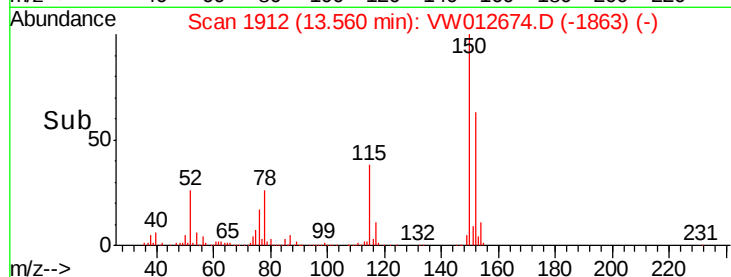
150 159.2 0.0 345.8



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: 67.710 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012674.D

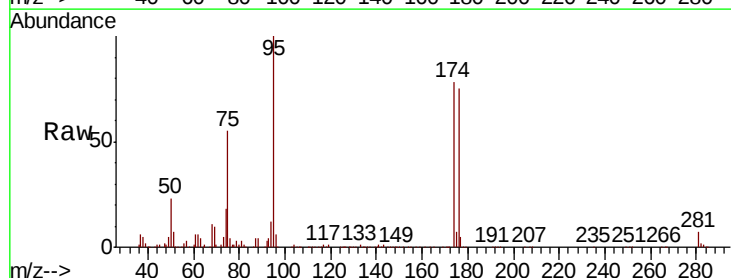
Acq: 06 Sep 2019 06:31

Tgt Ion: 75 Resp: 84961

Ion Ratio Lower Upper

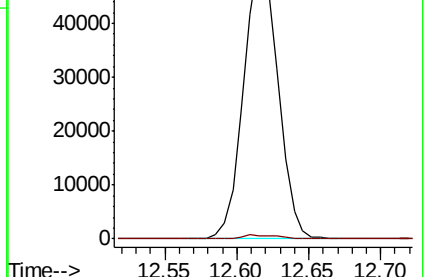
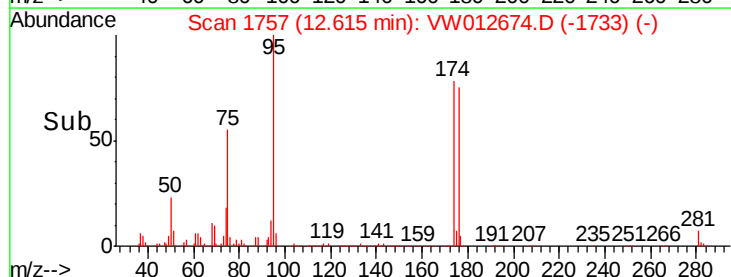
75 100

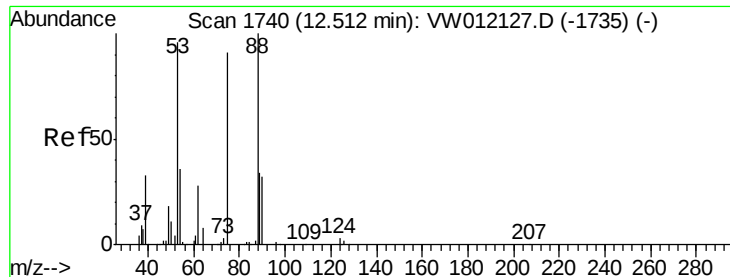
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

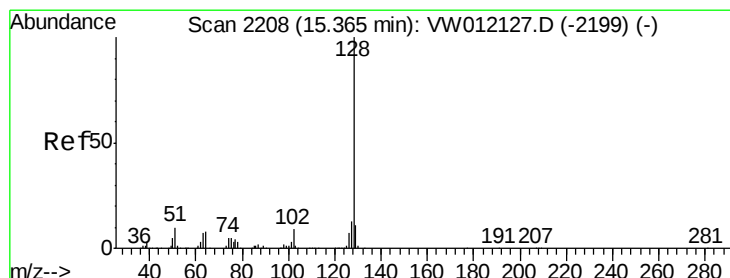
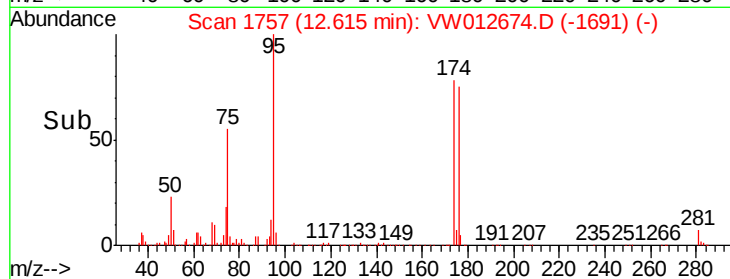
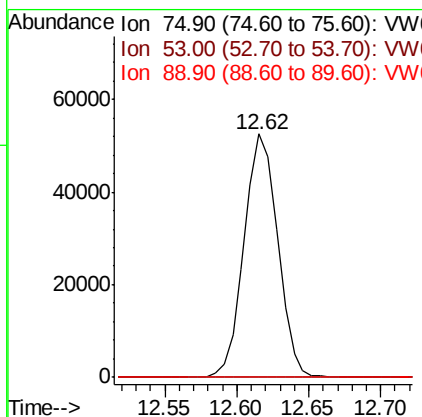
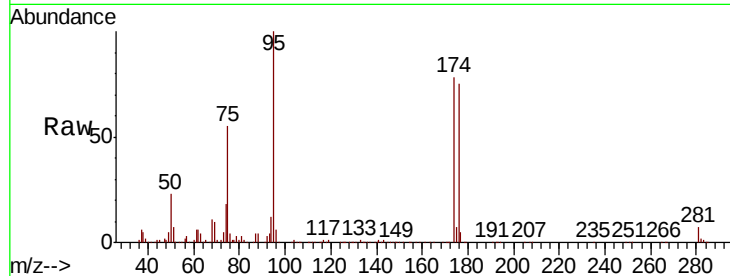




#81
trans-1,4-Dichloro-2-butene
Concen: 148.456 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012674.D
Acq: 06 Sep 2019 06:31

Instrument :
MSVOA_W
ClientSampleId :
T12-C1-(0)

Tgt Ion: 75 Resp: 84961
Ion Ratio Lower Upper
75 100
53 0.3 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.373 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012674.D
Acq: 06 Sep 2019 06:31

Tgt Ion: 128 Resp: 274
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 24.5 8.7 13.1#

