

Data File : VW012695.D
Acq On : 06 Sep 2019 16:50
Operator : SY/VA
Sample : K4580-18
Misc : 4.52G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-A4-(0)

Quant Time: Sep 07 04:41:01 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	255639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	111044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	145587	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
35) Dibromofluoromethane	7.88	113	117068	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.32	98	437219	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
62) 4-Bromofluorobenzene	12.62	95	139192	41.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.16%	

Target Compounds

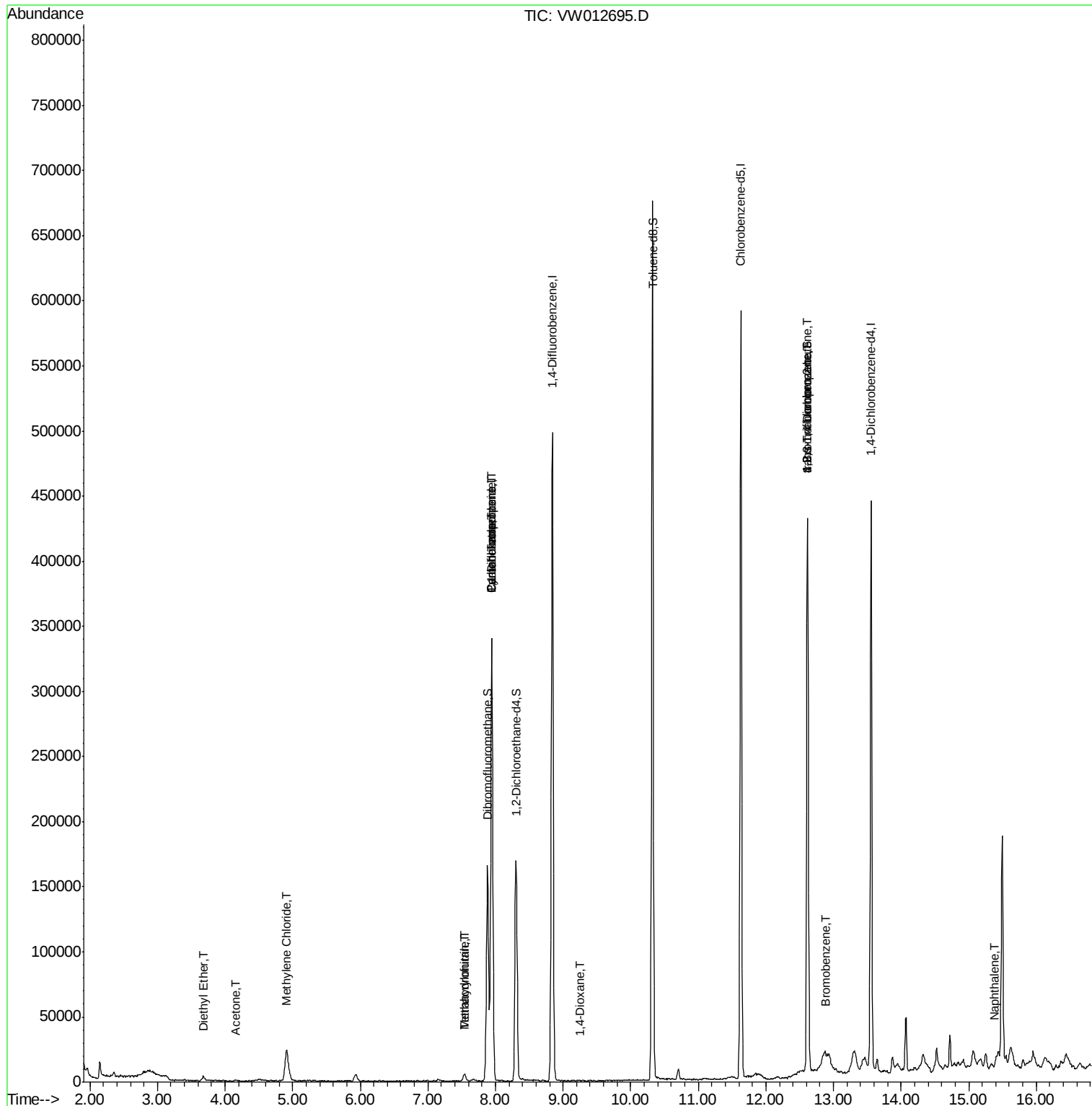
						Qvalue
8) Diethyl Ether	3.68	74	1656	1.164	ug/l	75
16) Acetone	4.15	43	921	1.186	ug/l	95
20) Methylene Chloride	4.92	84	19256	6.557	ug/l	91
29) Tetrahydrofuran	7.54	42	5239	8.272	ug/l	95
31) Cyclohexane	7.95	56	5814	1.062	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20535	5.065	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24886	7.091	ug/l #	17
41) Methacrylonitrile	7.54	41	3380	2.588	ug/l #	55
49) 1,4-Dioxane	9.24	88	22	1.084	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	73402	67.871	ug/l #	100
77) Bromobenzene	12.87	156	10997	6.109	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	73402	148.810	ug/l #	6
95) Naphthalene	15.38	128	727	4.480	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# 992

Delta R.T. 0.01 min

Lab File: VW012695.D

Acq: 06 Sep 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

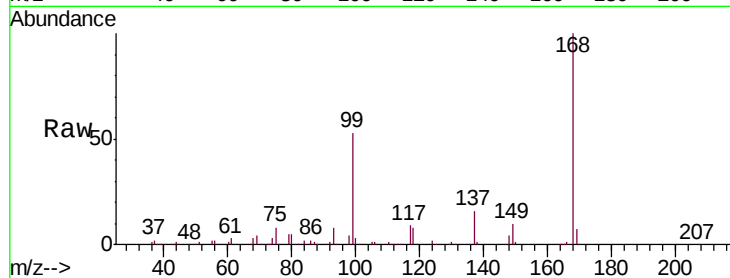
T12-A4-(0)

Tgt Ion:168 Resp: 255639

Ion Ratio Lower Upper

168 100

99 53.3 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

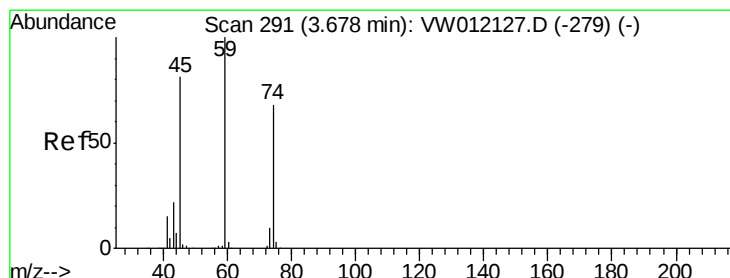
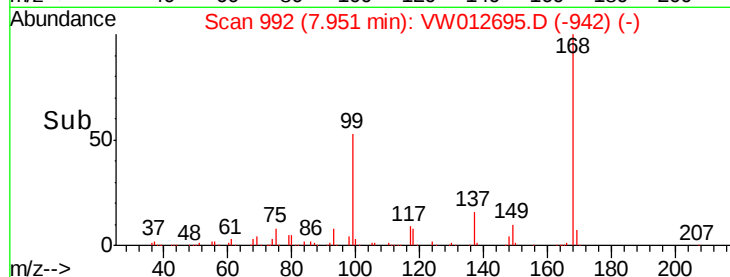
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.164 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012695.D

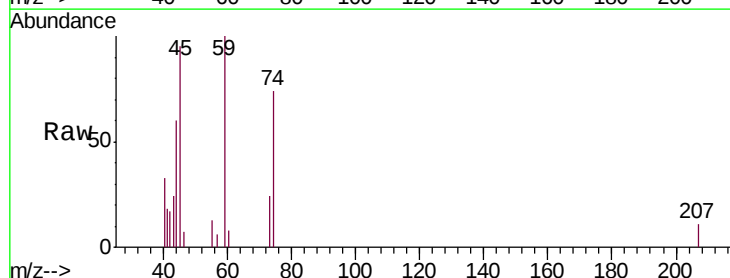
Acq: 06 Sep 2019 16:50

Tgt Ion: 74 Resp: 1656

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

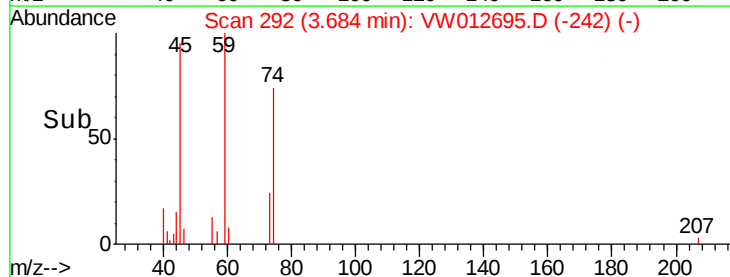
600

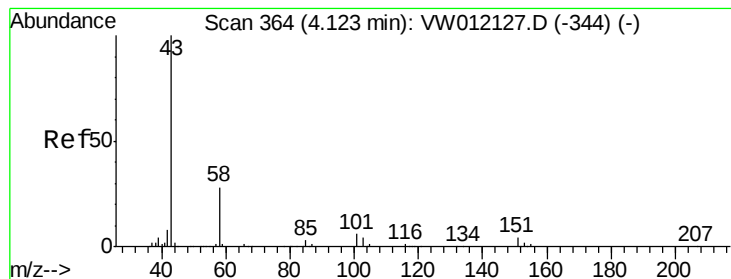
400

200

0

Time-->





#16

Acetone

Concen: 1.186 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.03 min

Lab File: VW012695.D

Acq: 06 Sep 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

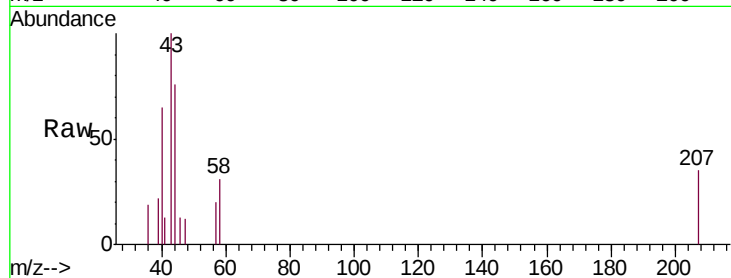
T12-A4-(0)

Tgt Ion: 43 Resp: 921

Ion Ratio Lower Upper

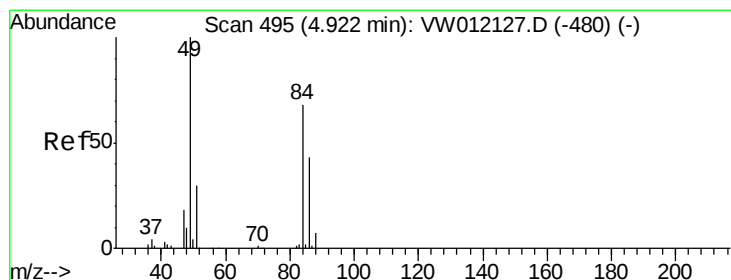
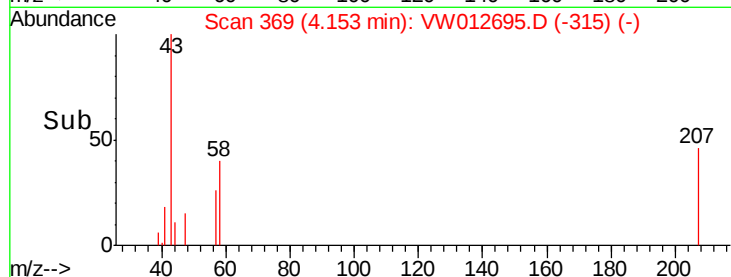
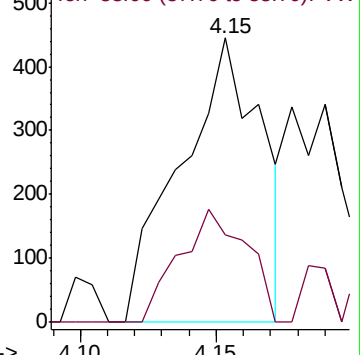
43 100

58 30.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 6.557 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012695.D

Acq: 06 Sep 2019 16:50

Tgt Ion: 84 Resp: 19256

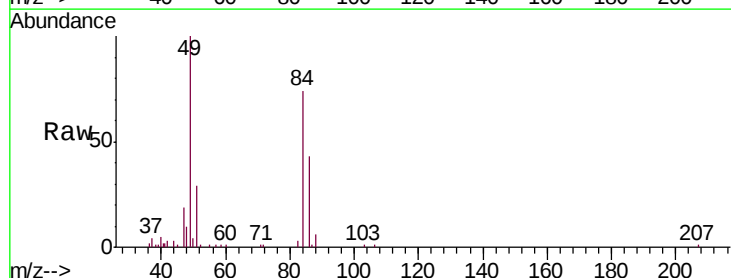
Ion Ratio Lower Upper

84 100

49 135.1 117.8 176.8

51 39.7 35.6 53.4

86 58.3 51.2 76.8

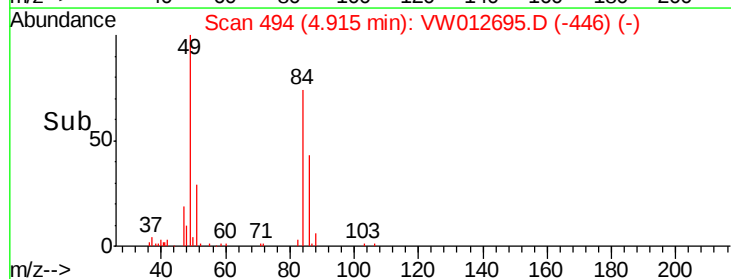
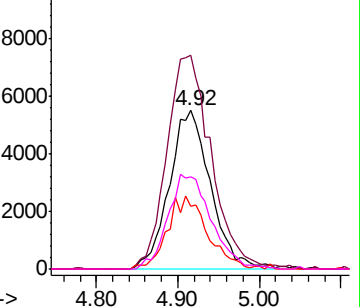


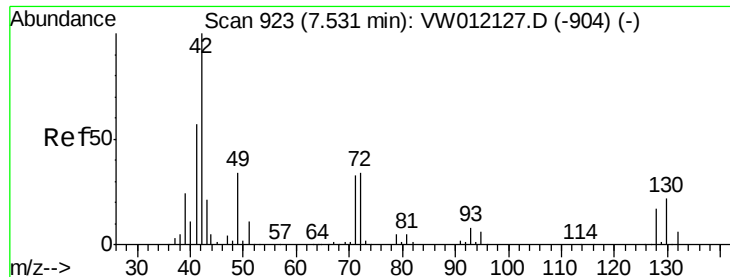
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 8.272 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012695.D

Acq: 06 Sep 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

T12-A4-(0)

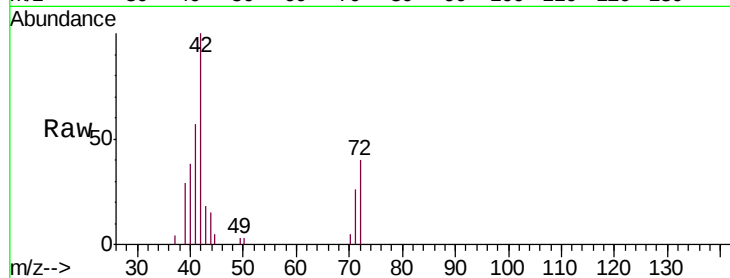
Tgt Ion: 42 Resp: 5239

Ion Ratio Lower Upper

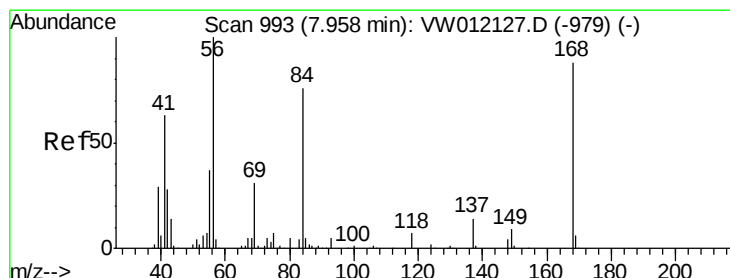
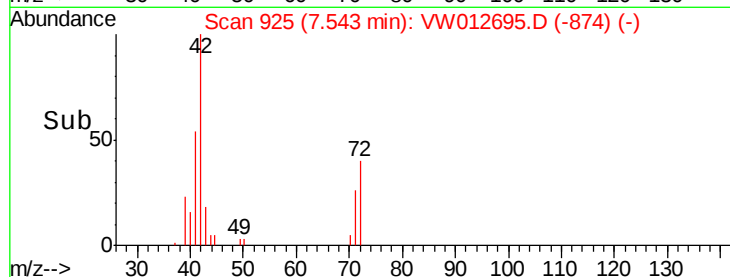
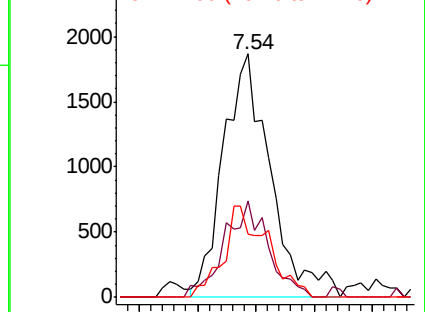
42 100

72 36.5 27.3 40.9

71 34.9 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: 1.062 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012695.D

Acq: 06 Sep 2019 16:50

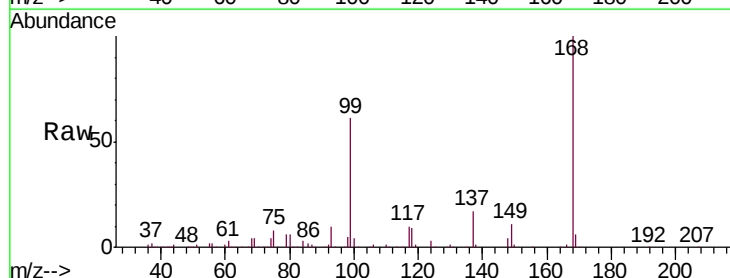
Tgt Ion: 56 Resp: 5814

Ion Ratio Lower Upper

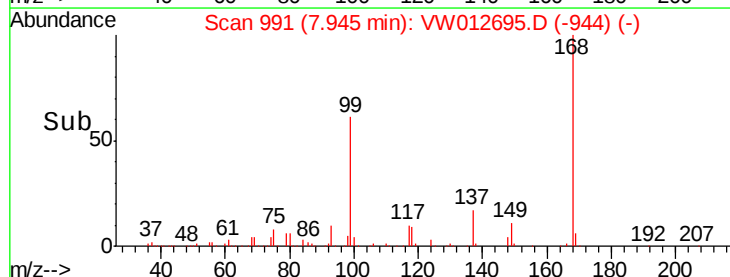
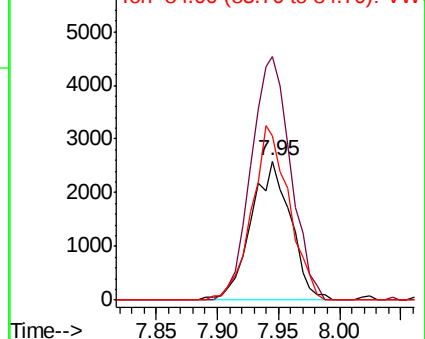
56 100

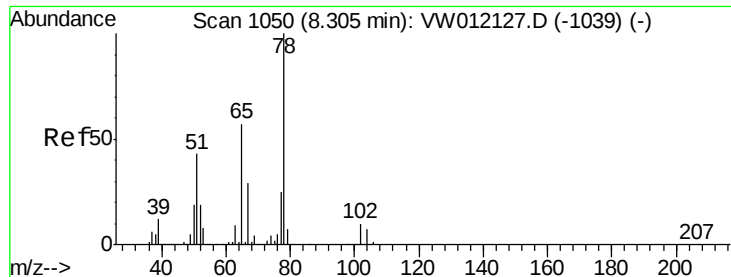
69 174.8 24.9 37.3#

84 118.2 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: 47.907 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012695.D

Acq: 06 Sep 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

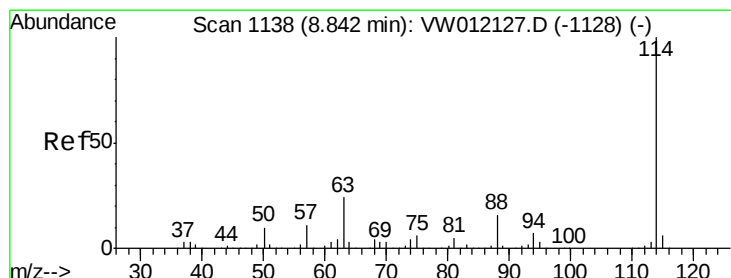
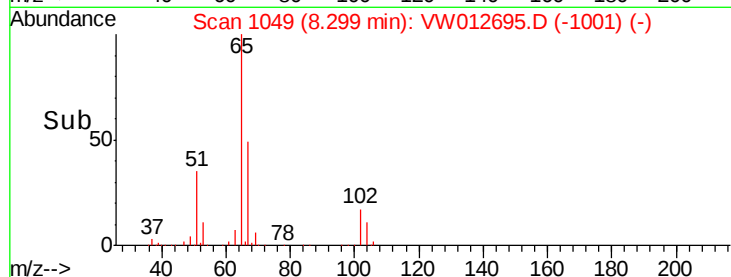
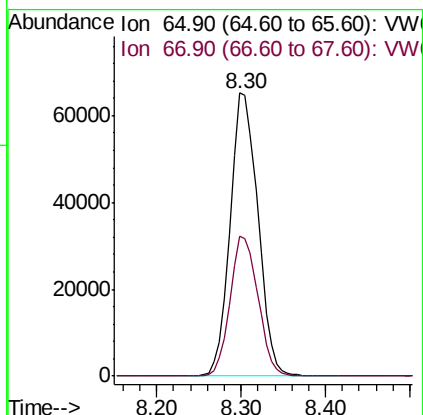
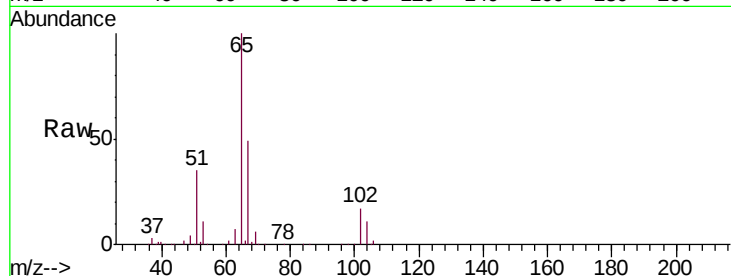
T12-A4-(0)

Tgt Ion: 65 Resp: 145587

Ion Ratio Lower Upper

65 100

67 49.6 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: VW012695.D

Acq: 06 Sep 2019 16:50

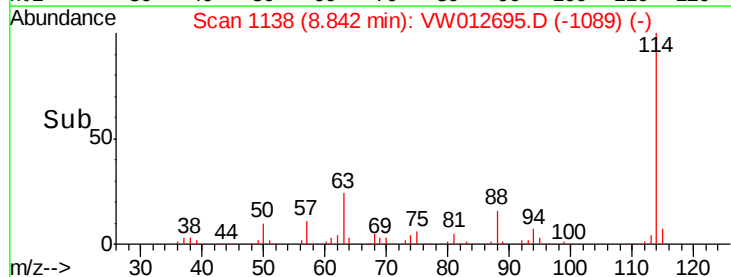
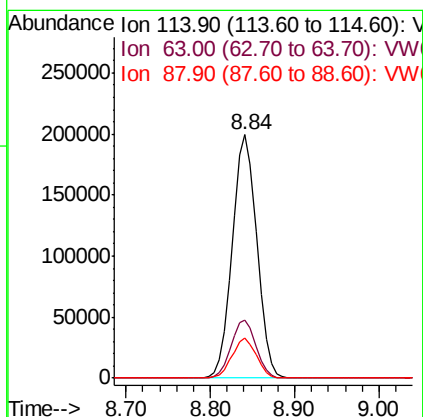
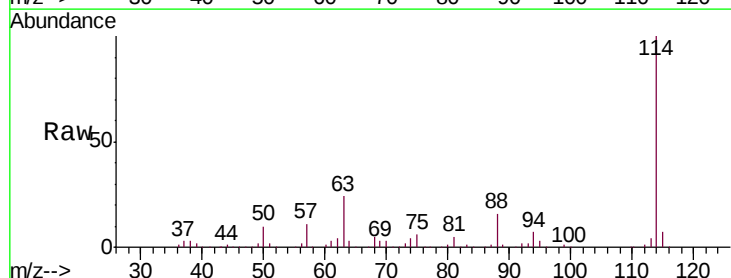
Tgt Ion: 114 Resp: 392365

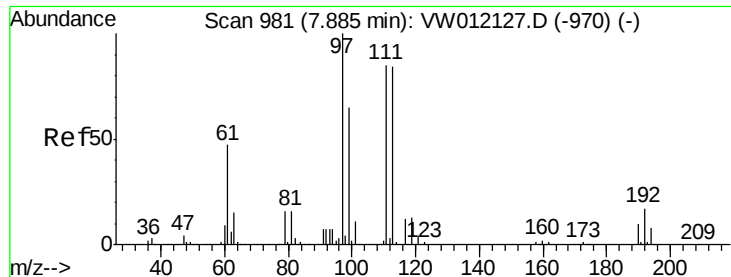
Ion Ratio Lower Upper

114 100

63 24.0 0.0 48.6

88 16.5 0.0 32.2

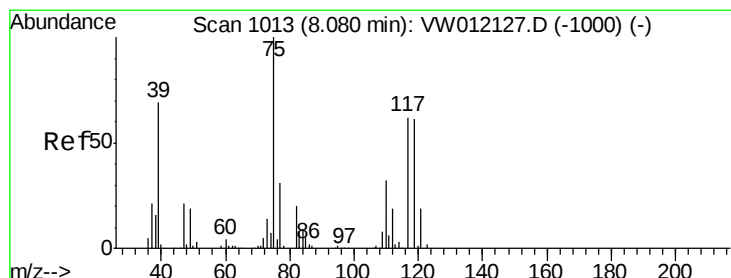
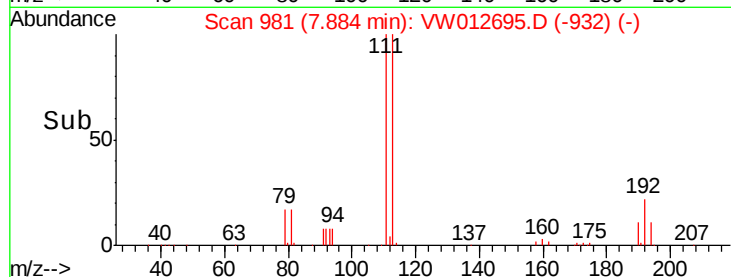
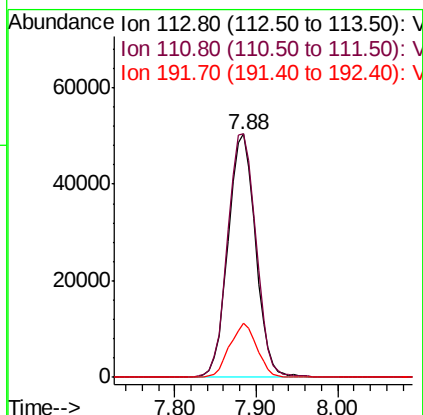
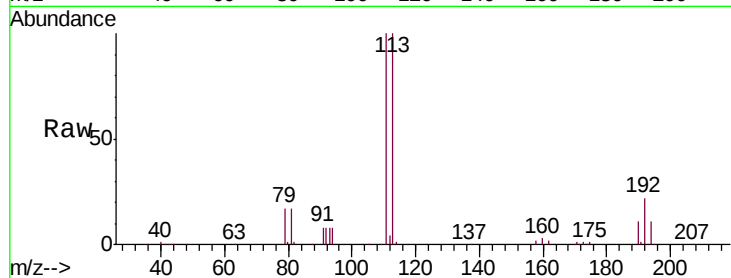




#35
 Dibromofluoromethane
 Concen: 49.985 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012695.D
 Acq: 06 Sep 2019 16:50

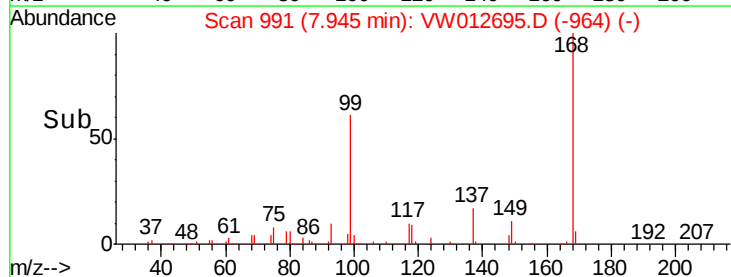
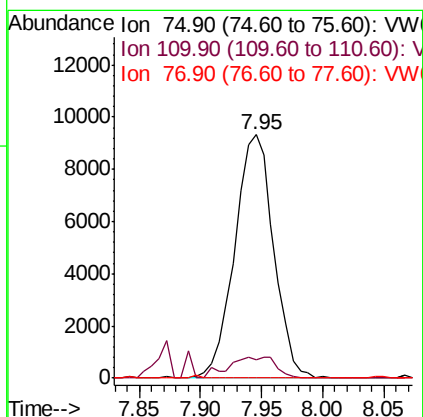
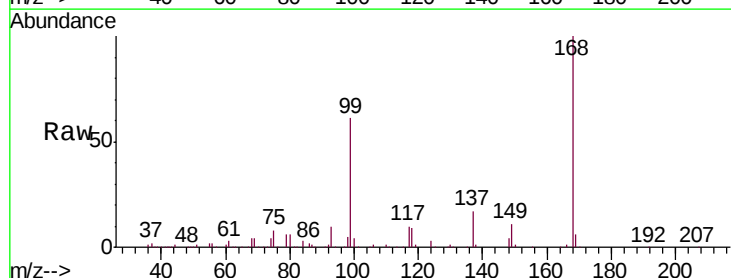
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-A4-(0)

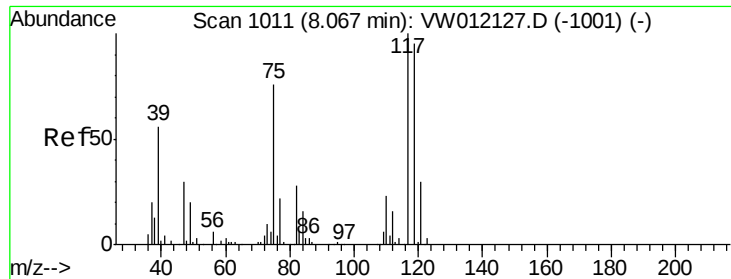
Tgt Ion:113 Resp: 117068
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.7 124.1
 192 22.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.065 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012695.D
 Acq: 06 Sep 2019 16:50

Tgt Ion: 75 Resp: 20535
 Ion Ratio Lower Upper
 75 100
 110 10.6 15.6 46.8#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 7.091 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012695.D

Acq: 06 Sep 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

T12-A4-(0)

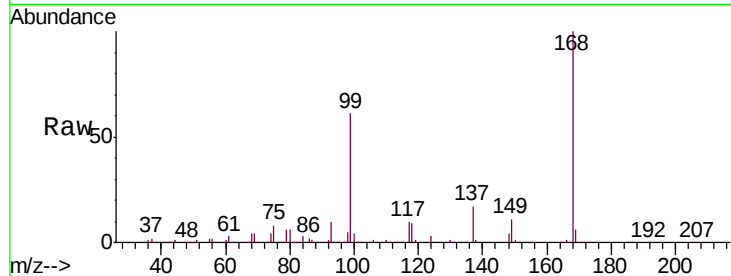
Tgt Ion: 117 Resp: 24886

Ion Ratio Lower Upper

117 100

119 6.3 76.2 114.2#

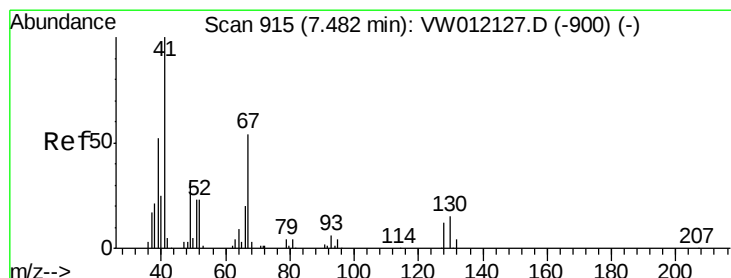
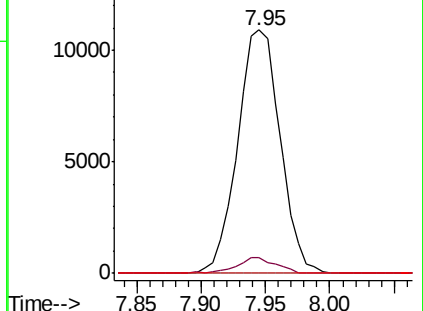
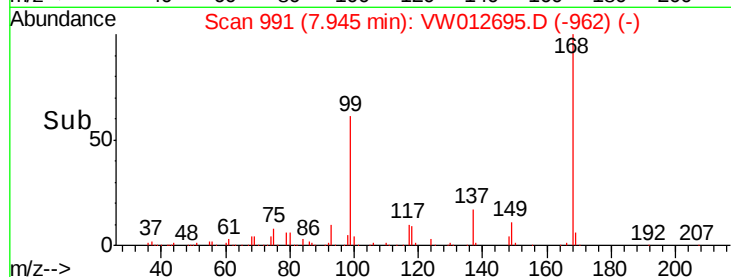
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 2.588 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012695.D

Acq: 06 Sep 2019 16:50

Tgt Ion: 41 Resp: 3380

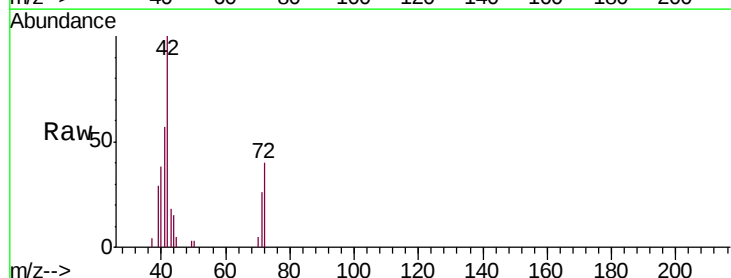
Ion Ratio Lower Upper

41 100

39 48.3 45.8 68.8

67 1.1 46.2 69.4#

52 0.7 21.0 31.6#

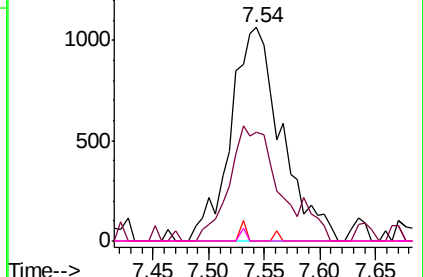
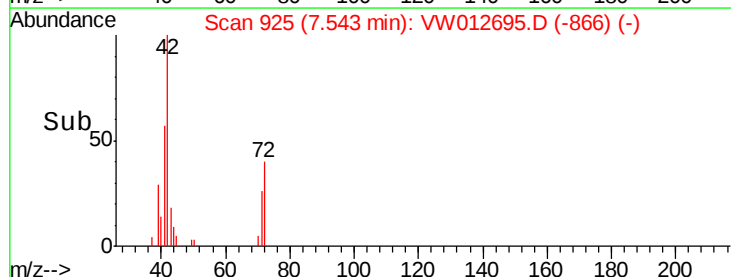


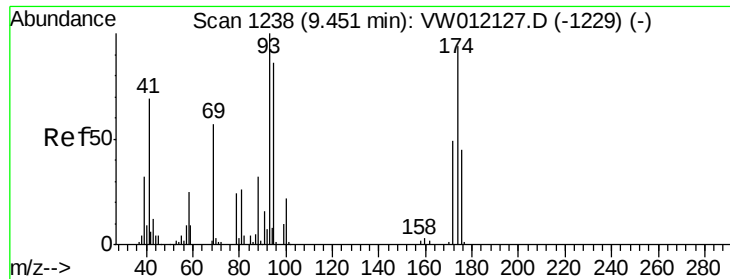
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

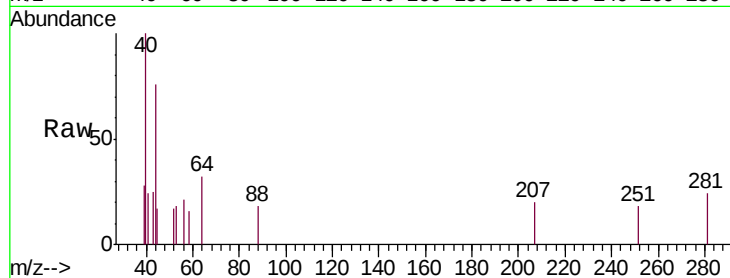




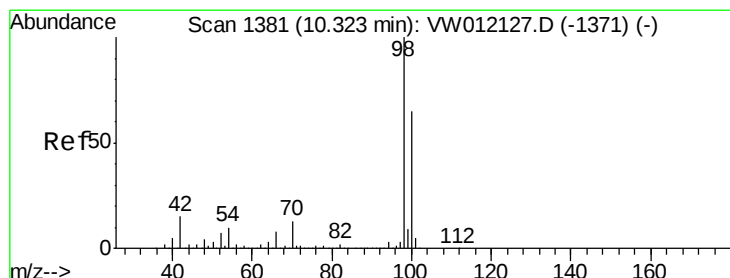
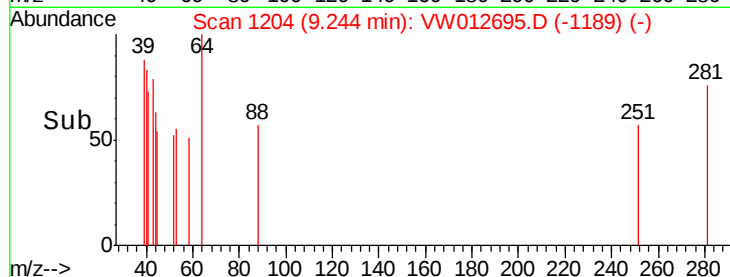
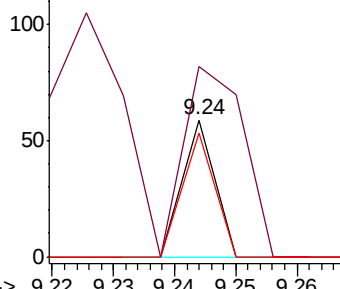
#49
1,4-Dioxane
Concen: 1.084 ug/l
RT: 9.24 min Scan# 1204
Delta R.T. -0.21 min
Lab File: VW012695.D
Acq: 06 Sep 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
T12-A4-(0)

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 254.5 32.9 49.3#
58 86.4 71.0 106.4

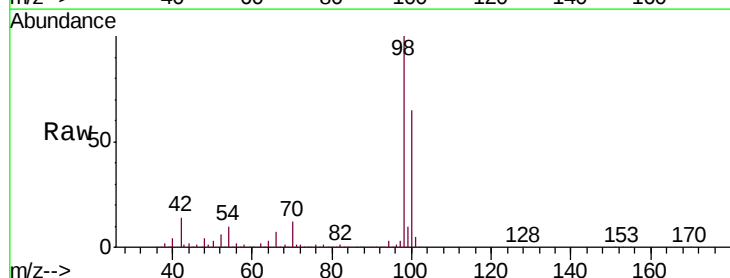


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

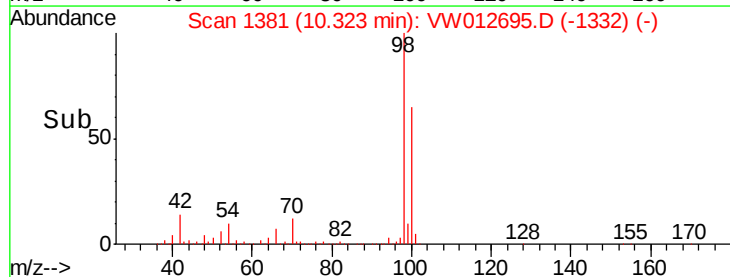
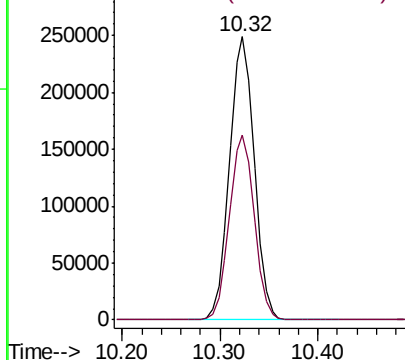


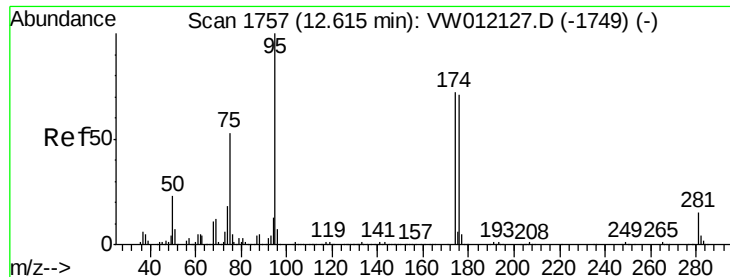
#50
Toluene-d8
Concen: 46.041 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012695.D
Acq: 06 Sep 2019 16:50

Tgt Ion: 98 Resp: 437219
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

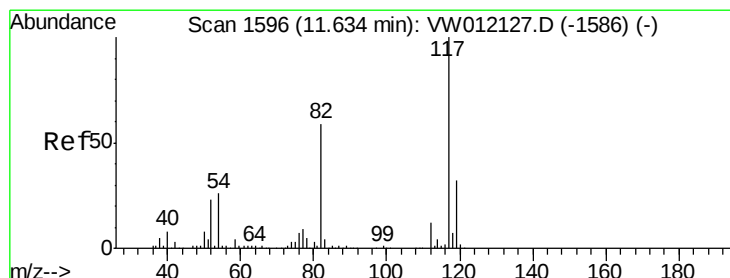
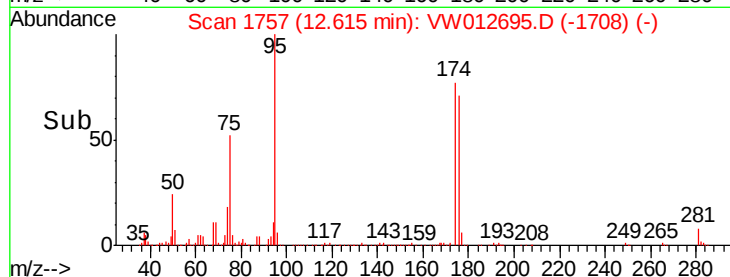
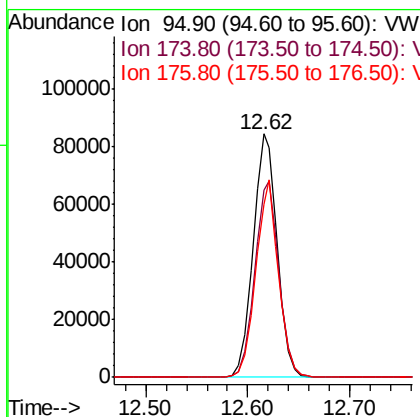
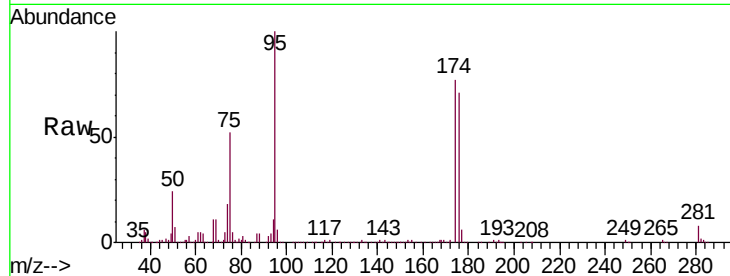




#62
4-Bromofluorobenzene
Concen: 41.582 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012695.D
Acq: 06 Sep 2019 16:50

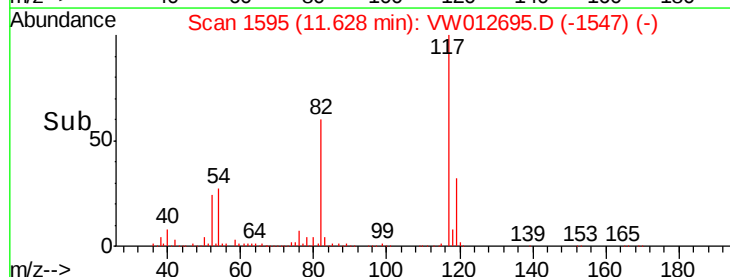
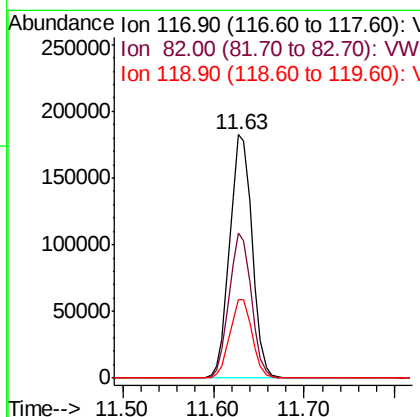
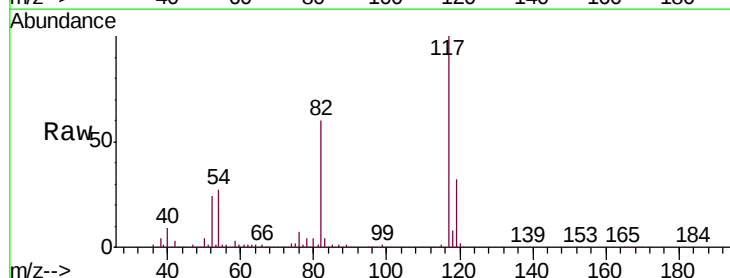
Instrument :
MSVOA_W
ClientSampleId :
T12-A4-(0)

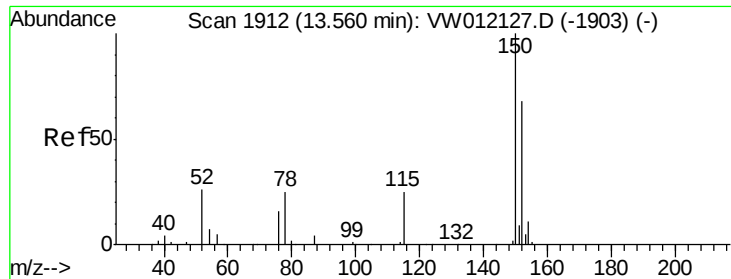
Tgt Ion: 95 Resp: 139192
Ion Ratio Lower Upper
95 100
174 80.4 0.0 150.8
176 75.9 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012695.D
Acq: 06 Sep 2019 16:50

Tgt Ion: 117 Resp: 312761
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 32.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012695.D

Acq: 06 Sep 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

T12-A4-(0)

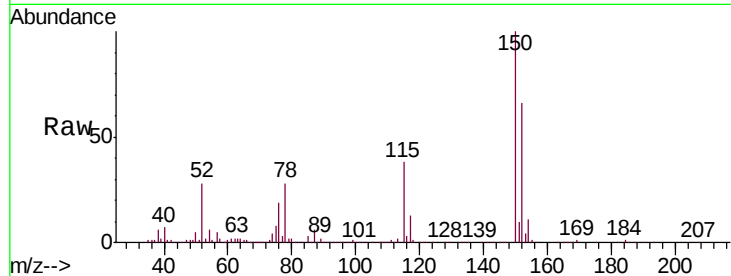
Tgt Ion:152 Resp: 111044

Ion Ratio Lower Upper

152 100

115 59.2 30.1 90.3

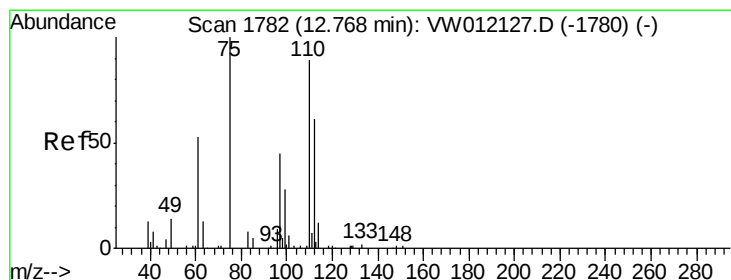
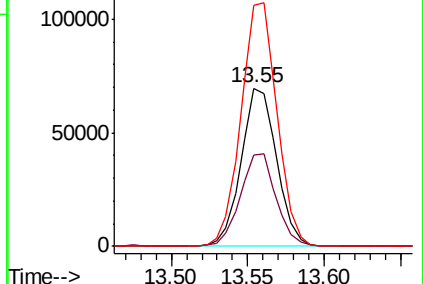
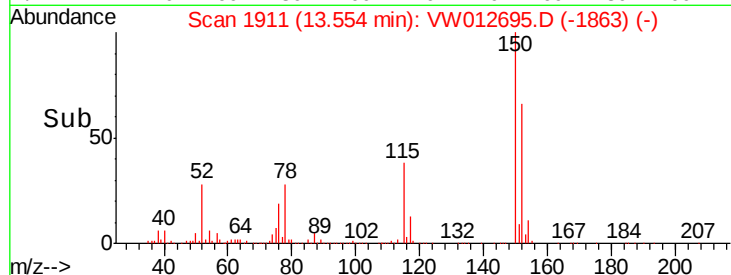
150 158.1 0.0 345.8



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: 67.871 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012695.D

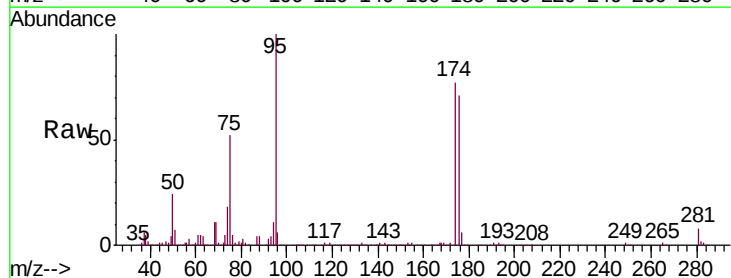
Acq: 06 Sep 2019 16:50

Tgt Ion: 75 Resp: 73402

Ion Ratio Lower Upper

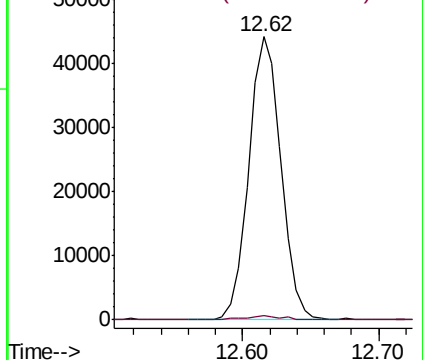
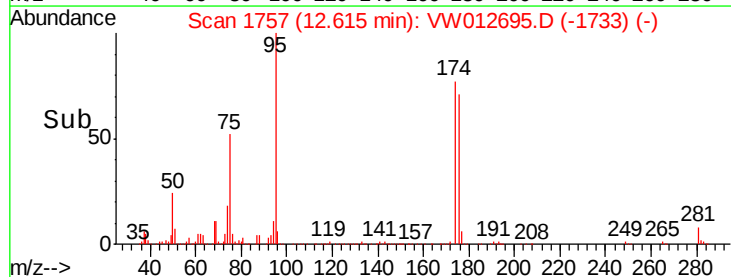
75 100

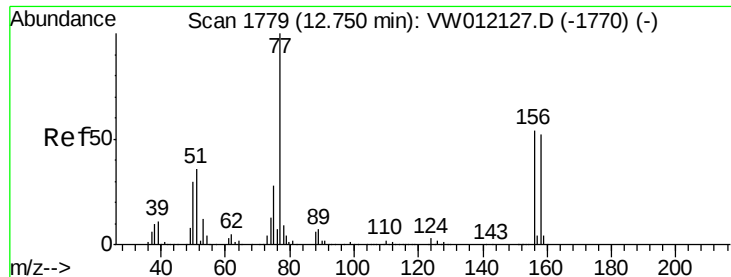
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 6.109 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. 0.12 min

Lab File: VW012695.D

Acq: 06 Sep 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

T12-A4-(0)

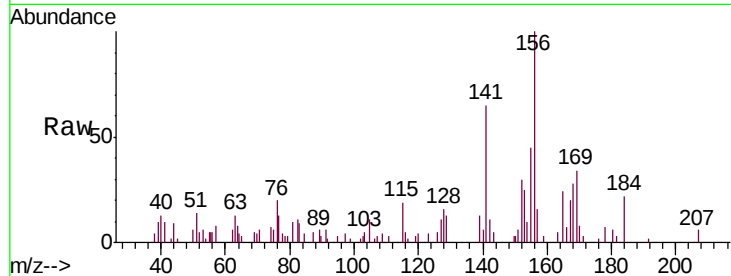
Tgt Ion:156 Resp: 10997

Ion Ratio Lower Upper

156 100

77 2.2 107.3 321.8#

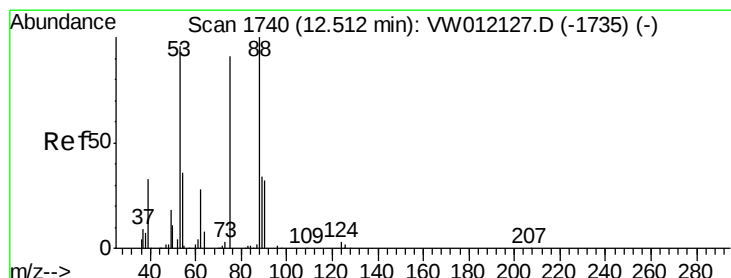
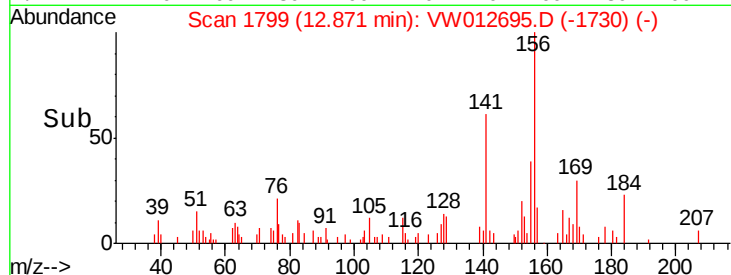
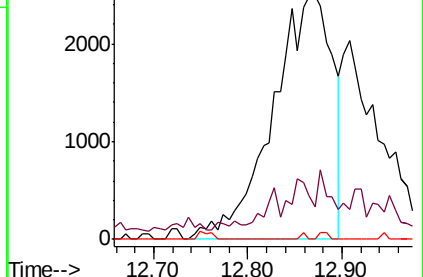
158 0.5 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 148.810 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012695.D

Acq: 06 Sep 2019 16:50

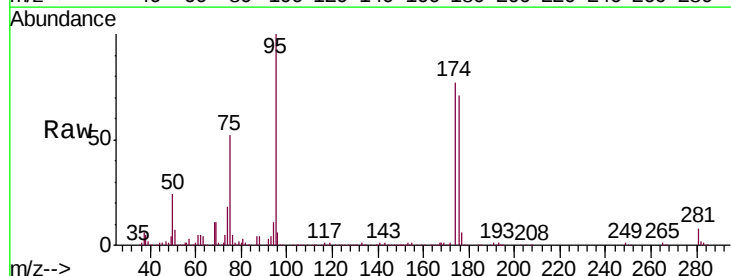
Tgt Ion: 75 Resp: 73402

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

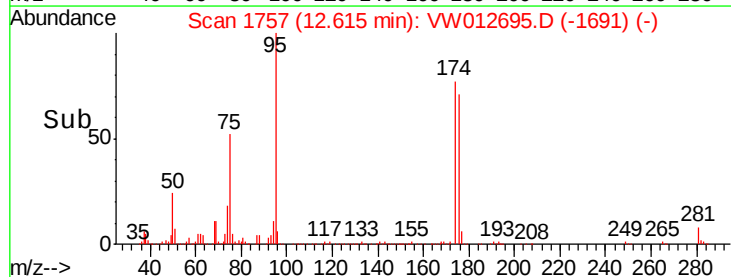
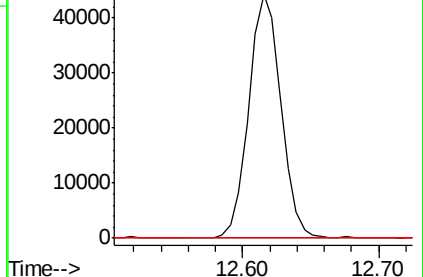
89 0.2 34.5 51.7#

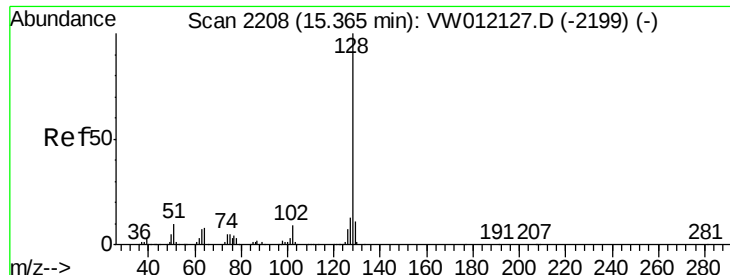


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 4.480 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012695.D
Acq: 06 Sep 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
T12-A4-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.7	16.1
129	36.3	8.7	13.1

