

Data File : VW012168.D
Acq On : 26 Aug 2019 13:23
Operator : SY/VA
Sample : K4474-02RE
Misc : 4.99G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F1-(2.5)

Quant Time: Aug 27 04:50:34 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	218846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126582	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	141939	54.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.12%	
35) Dibromofluoromethane	7.88	113	113929	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.32	98	450712	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.62	95	143869	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	

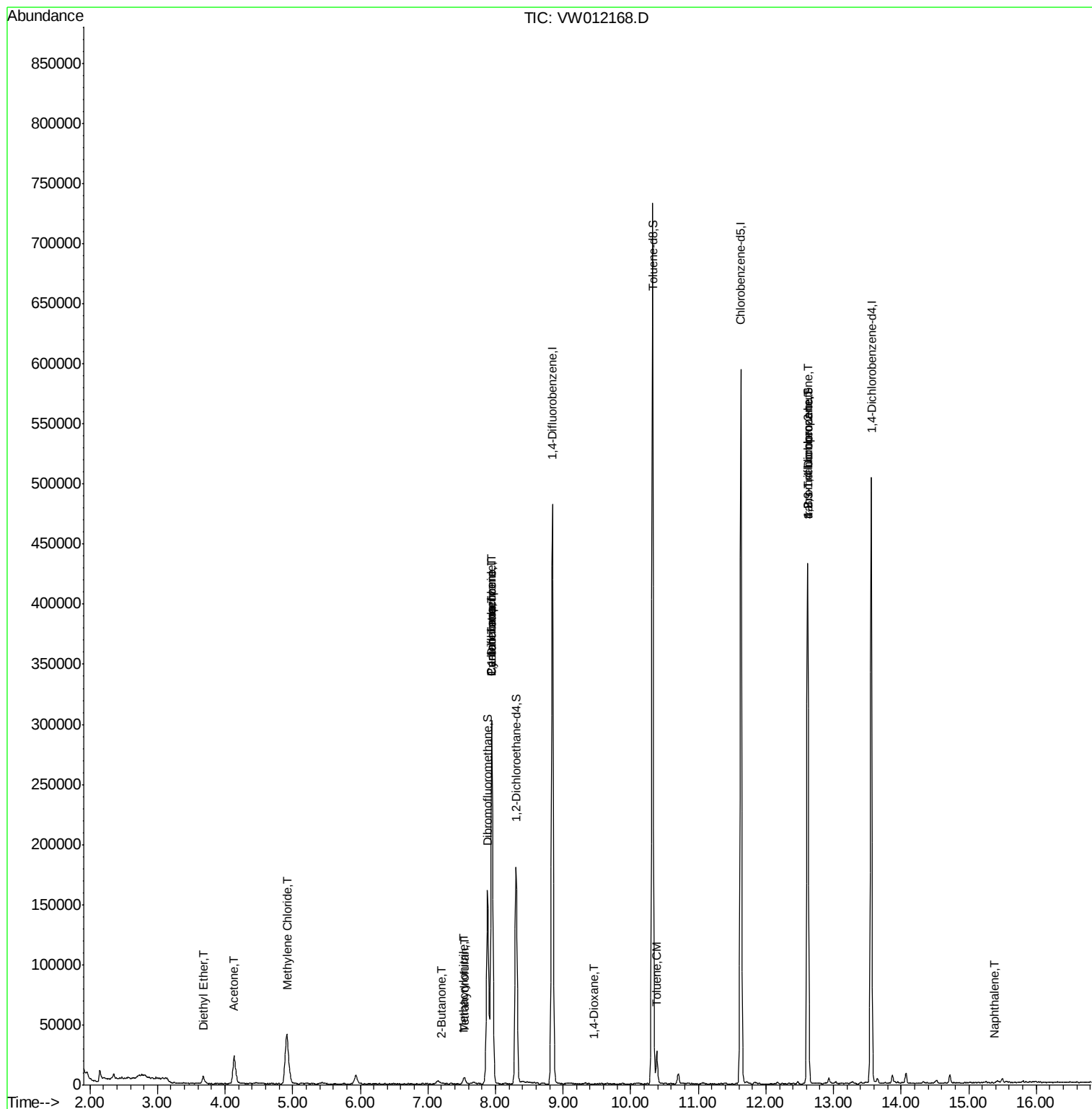
Target Compounds				Qvalue		
8) Diethyl Ether	3.68	74	2857	2.346	ug/l	85
16) Acetone	4.14	43	44609	67.080	ug/l	100
20) Methylene Chloride	4.92	84	32378	12.879	ug/l	98
25) 2-Butanone	7.20	43	1007	1.114	ug/l #	75
29) Tetrahydrofuran	7.54	42	4958	9.145	ug/l	95
31) Cyclohexane	7.95	56	5494	1.172	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18944	5.007	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22307	6.812	ug/l #	17
41) Methacrylonitrile	7.53	41	3059	2.511	ug/l #	58
49) 1,4-Dioxane	9.46	88	20	1.056	ug/l #	1
52) Toluene	10.39	92	10427	1.680	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	77256	62.666	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77256	137.398	ug/l #	6
95) Naphthalene	15.37	128	135	4.347	ug/l #	69

(#) = 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# 992

Delta R.T. 0.01 min

Lab File: VW012168.D

Acq: 26 Aug 2019 13:23

Instrument :

MSVOA_W

ClientSampled :

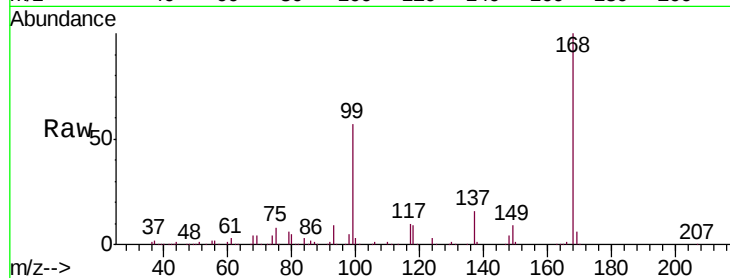
T1-2-F1-(2.5)

Tgt Ion:168 Resp: 218846

Ion Ratio Lower Upper

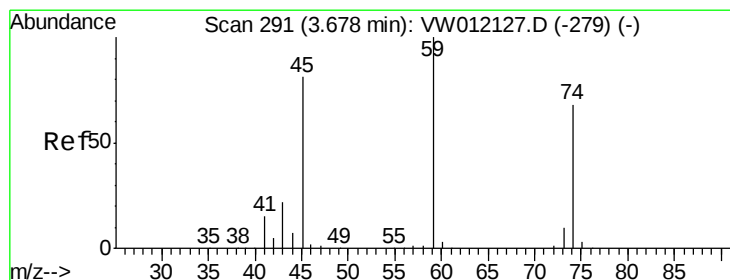
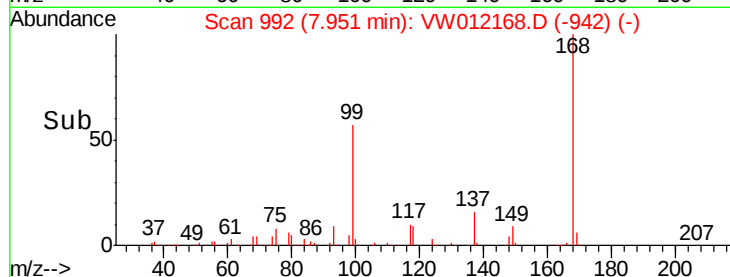
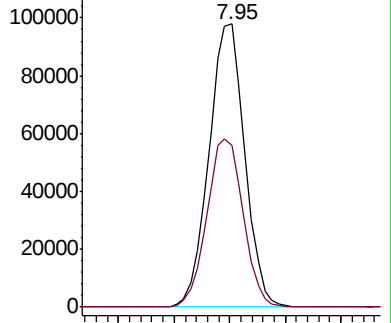
168 100

99 57.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.346 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012168.D

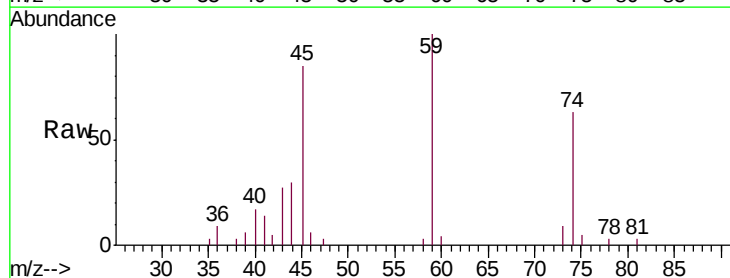
Acq: 26 Aug 2019 13:23

Tgt Ion: 74 Resp: 2857

Ion Ratio Lower Upper

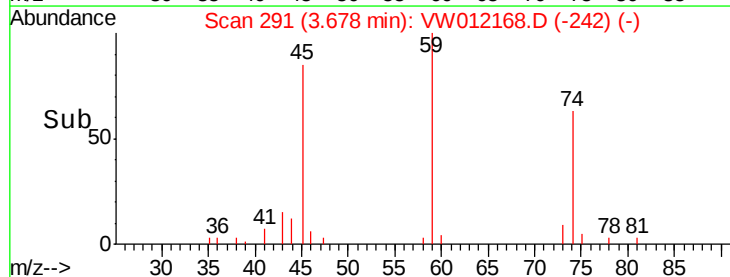
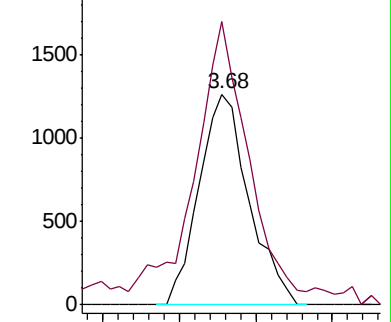
74 100

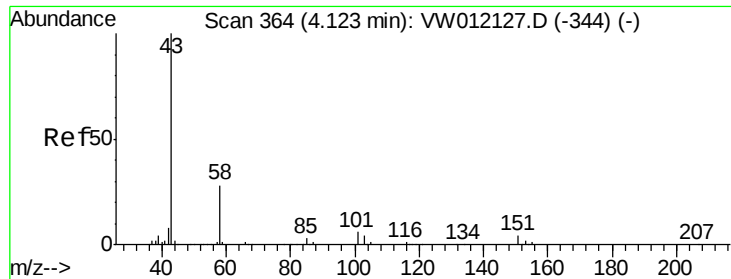
45 134.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

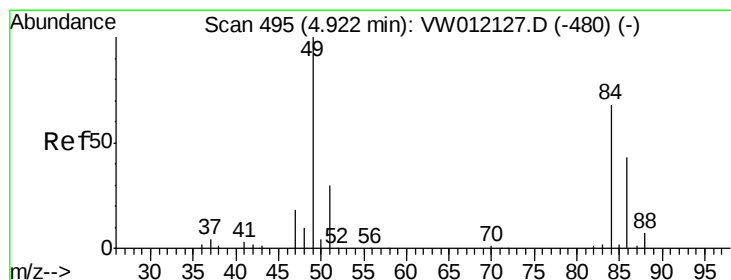
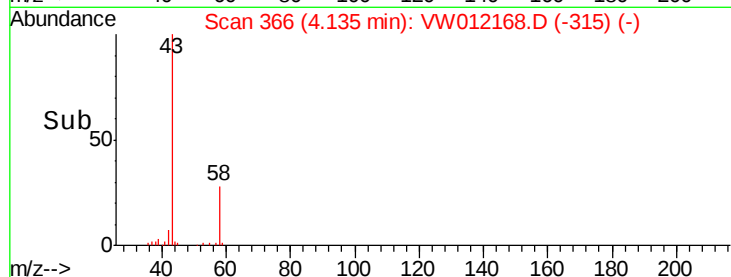
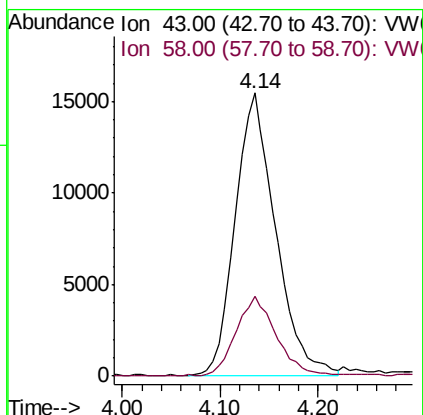
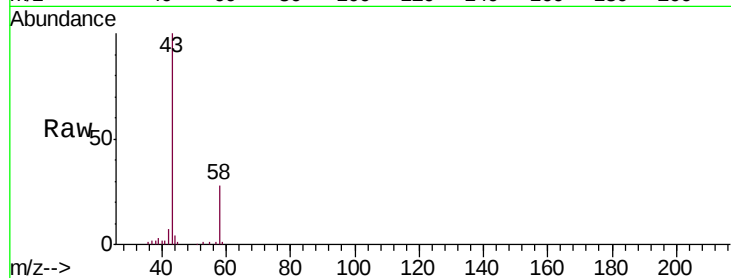




#16
Acetone
Concen: 67.080 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012168.D
Acq: 26 Aug 2019 13:23

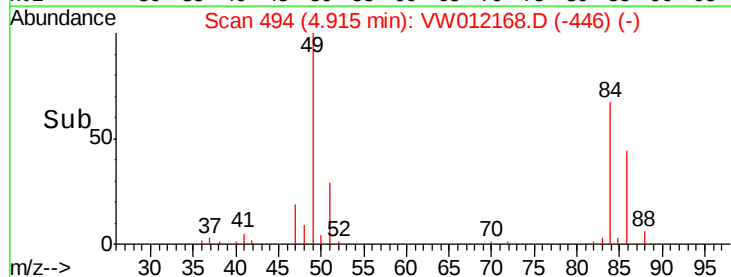
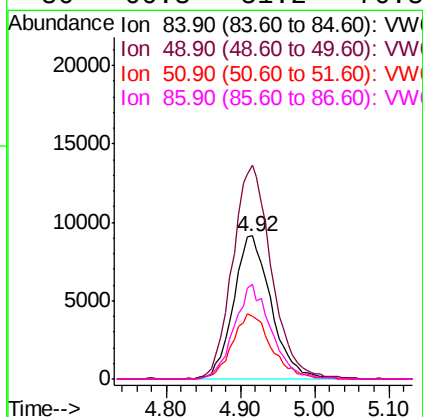
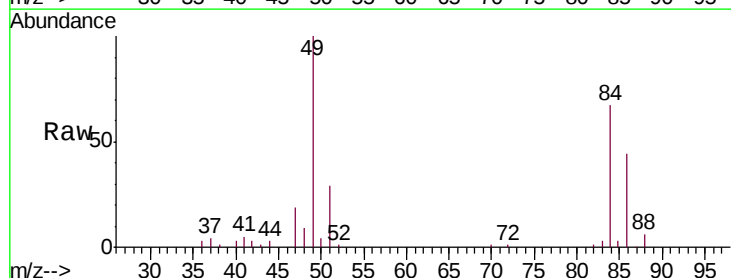
Instrument :
MSVOA_W
ClientSampleId :
T1-2-F1-(2.5)

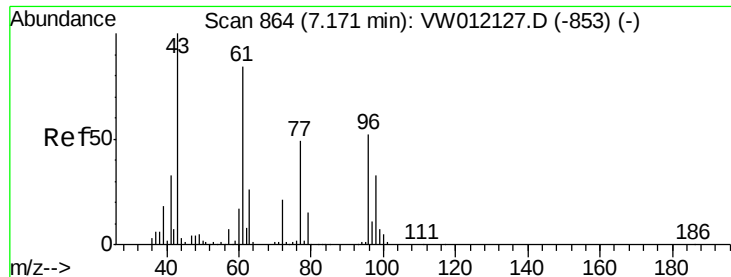
Tgt Ion: 43 Resp: 44609
Ion Ratio Lower Upper
43 100
58 27.9 22.4 33.6



#20
Methylene Chloride
Concen: 12.879 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012168.D
Acq: 26 Aug 2019 13:23

Tgt Ion: 84 Resp: 32378
Ion Ratio Lower Upper
84 100
49 149.0 117.8 176.8
51 43.5 35.6 53.4
86 66.3 51.2 76.8





#25

2-Butanone

Concen: 1.114 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW012168.D

Acq: 26 Aug 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

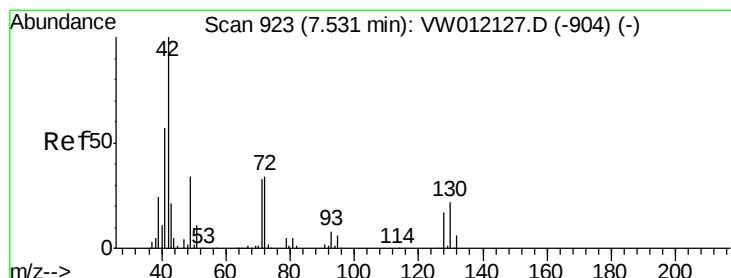
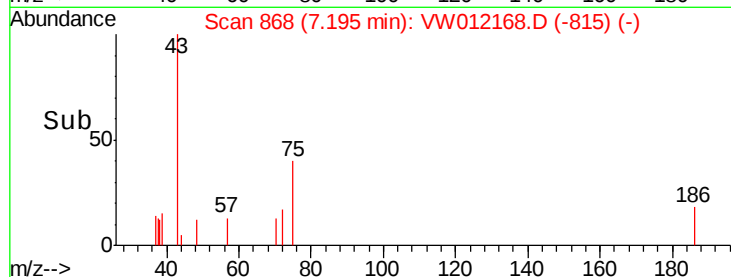
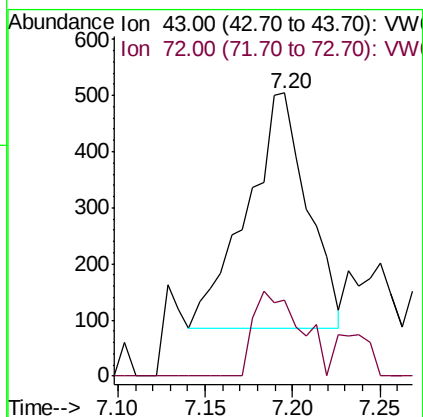
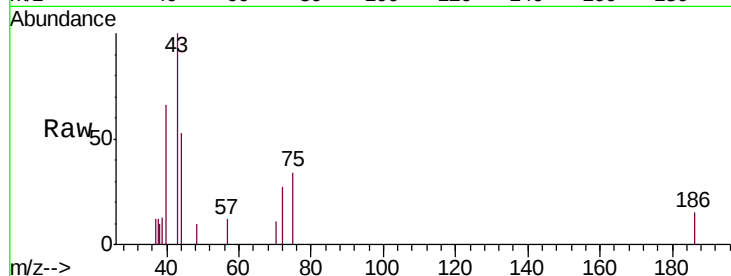
T1-2-F1-(2.5)

Tgt Ion: 43 Resp: 1007

Ion Ratio Lower Upper

43 100

72 32.3 16.6 24.8#



#29

Tetrahydrofuran

Concen: 9.145 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012168.D

Acq: 26 Aug 2019 13:23

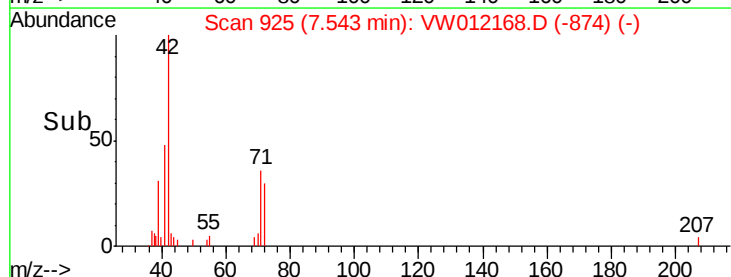
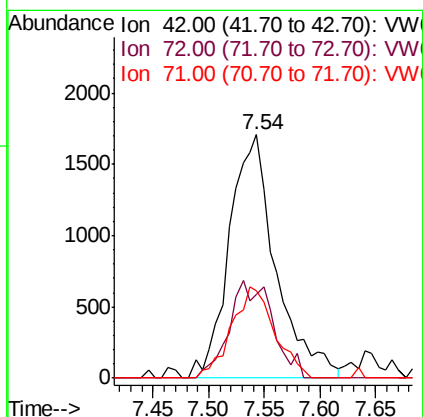
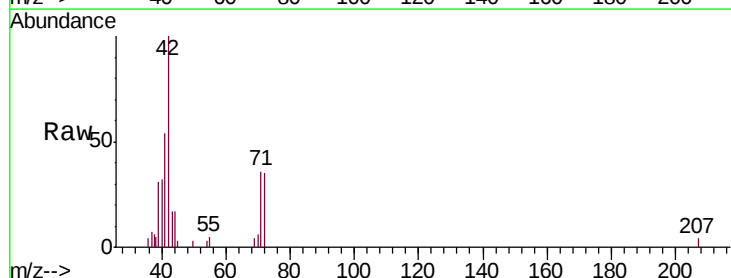
Tgt Ion: 42 Resp: 4958

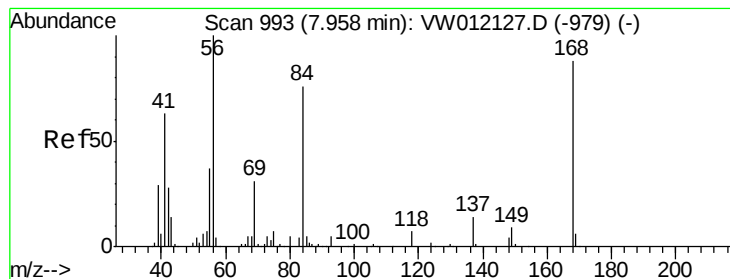
Ion Ratio Lower Upper

42 100

72 37.2 27.3 40.9

71 34.5 25.5 38.3





#31

Cyclohexane

Concen: 1.172 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012168.D

Acq: 26 Aug 2019 13:23

Instrument :

MSVOA_W

ClientSampled :

T1-2-F1-(2.5)

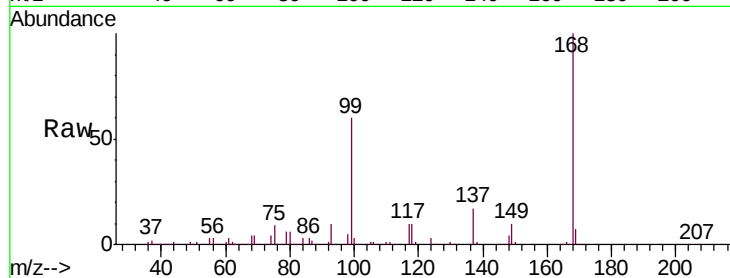
Tgt Ion: 56 Resp: 5494

Ion Ratio Lower Upper

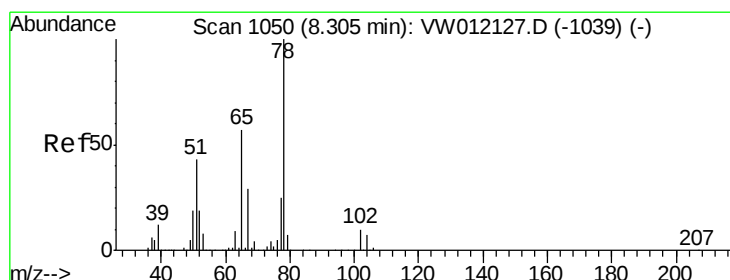
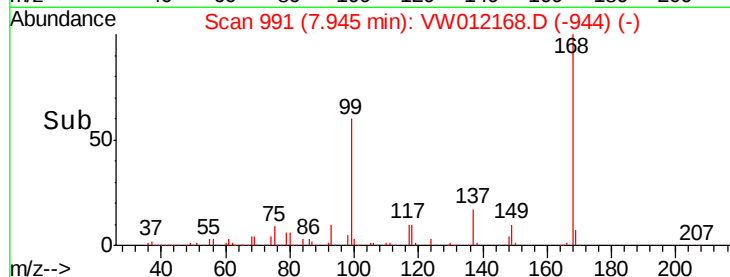
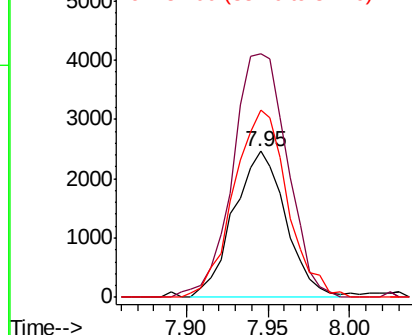
56 100

69 166.7 24.9 37.3#

84 125.7 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: 54.560 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012168.D

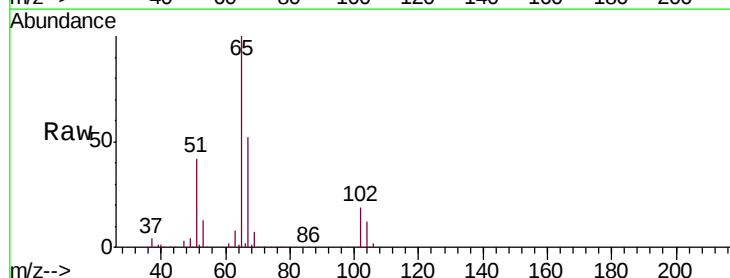
Acq: 26 Aug 2019 13:23

Tgt Ion: 65 Resp: 141939

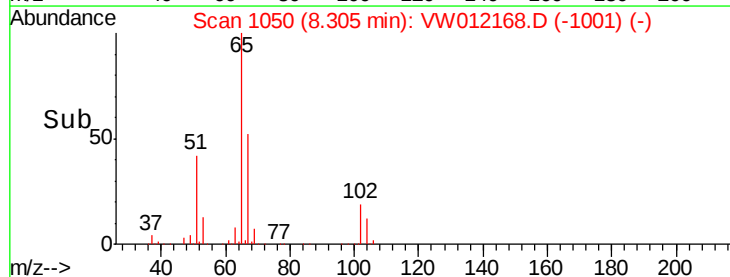
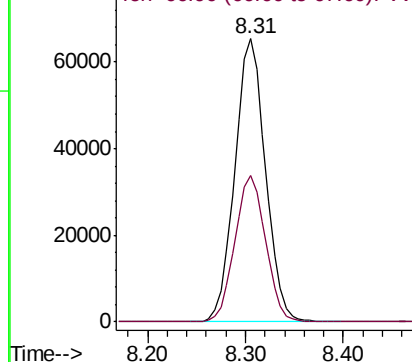
Ion Ratio Lower Upper

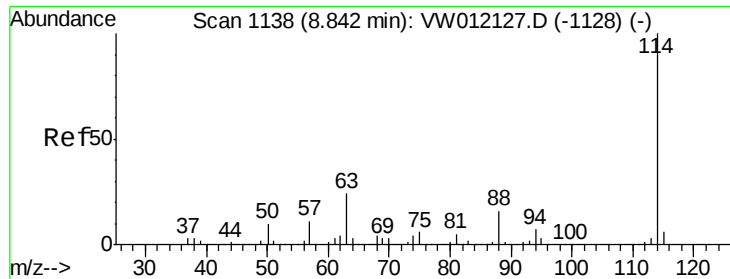
65 100

67 52.0 0.0 102.6



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

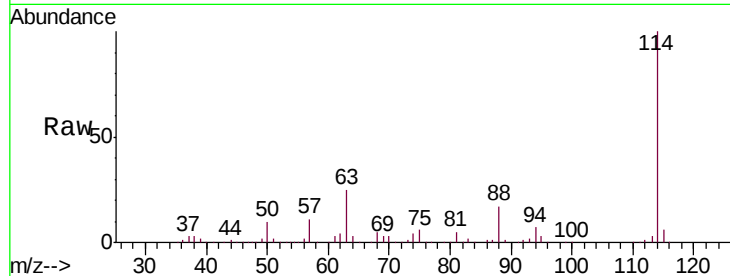




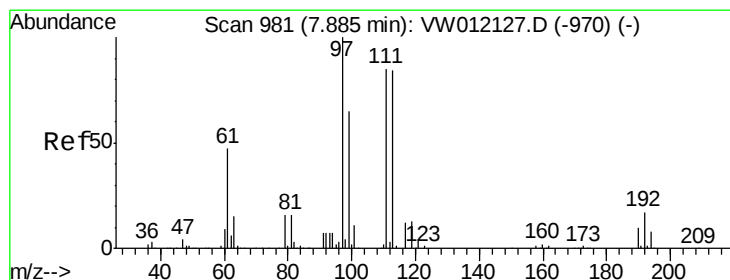
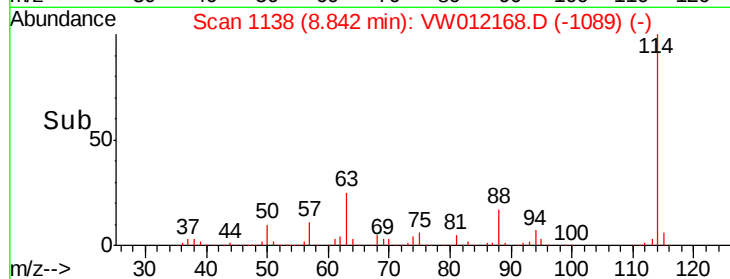
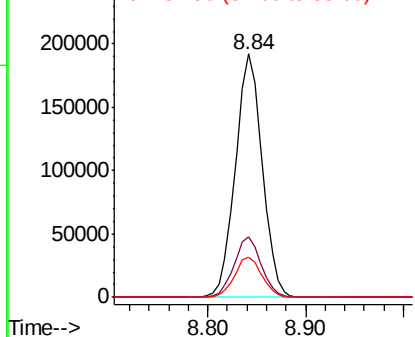
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW012168.D
Acq: 26 Aug 2019 13:23

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F1-(2.5)

Tgt Ion:114 Resp: 366104
Ion Ratio Lower Upper
114 100
63 25.1 0.0 48.6
88 16.7 0.0 32.2

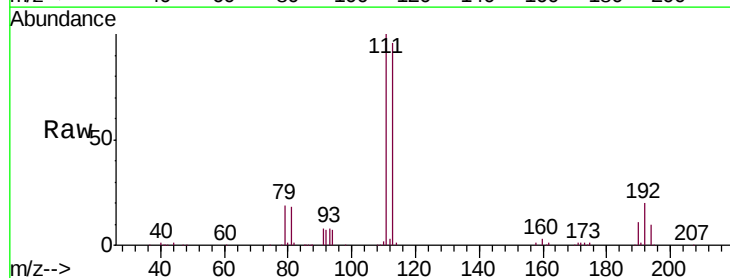


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

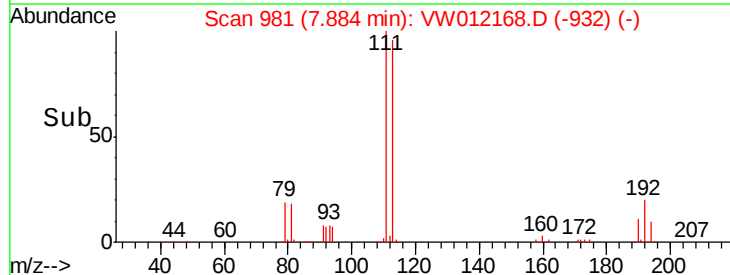
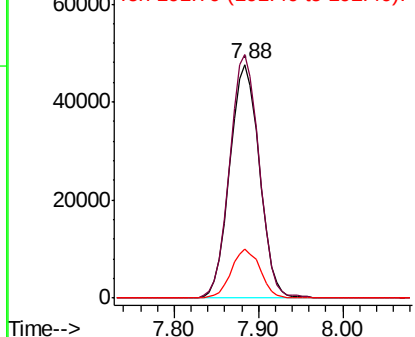


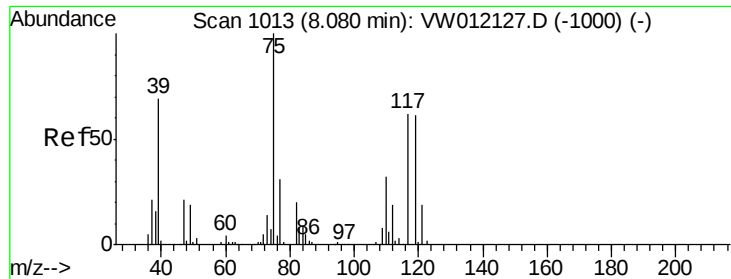
#35
Dibromofluoromethane
Concen: 52.135 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW012168.D
Acq: 26 Aug 2019 13:23

Tgt Ion:113 Resp: 113929
Ion Ratio Lower Upper
113 100
111 103.5 82.7 124.1
192 20.5 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

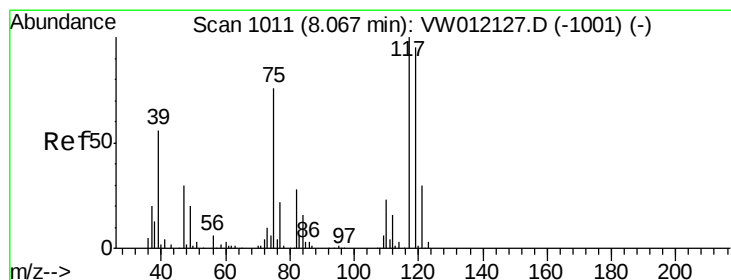
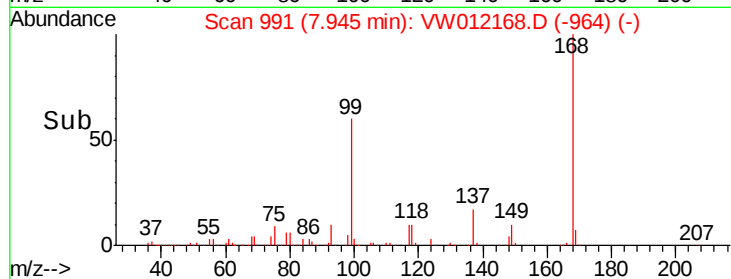
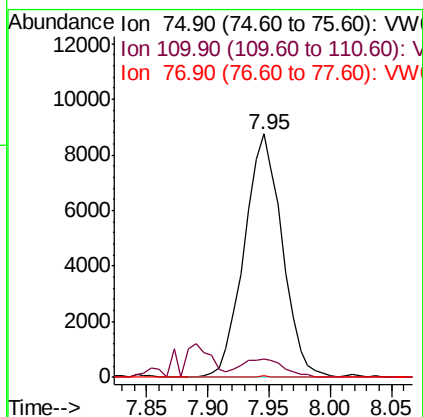
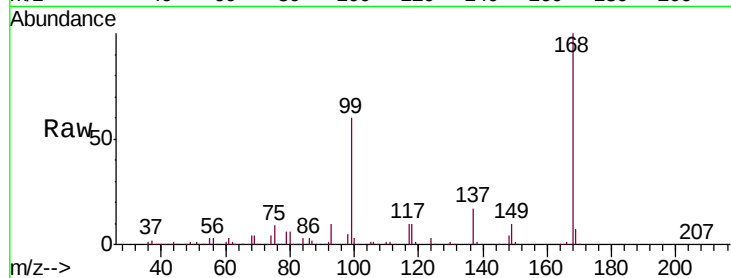




#36
 1,1-Dichloropropene
 Concen: 5.007 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012168.D
 Acq: 26 Aug 2019 13:23

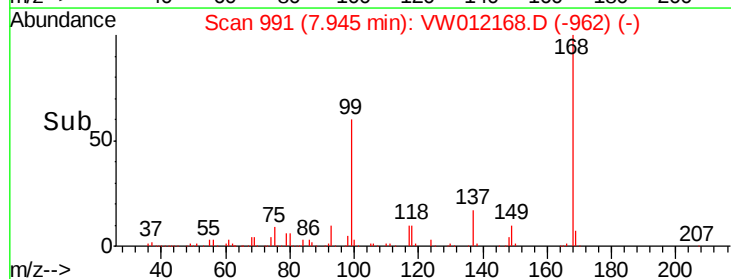
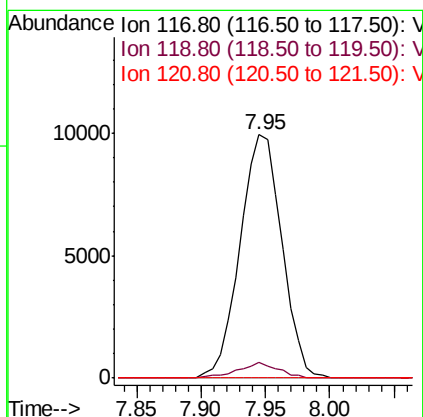
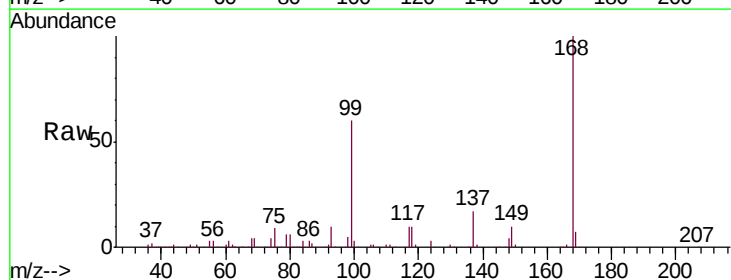
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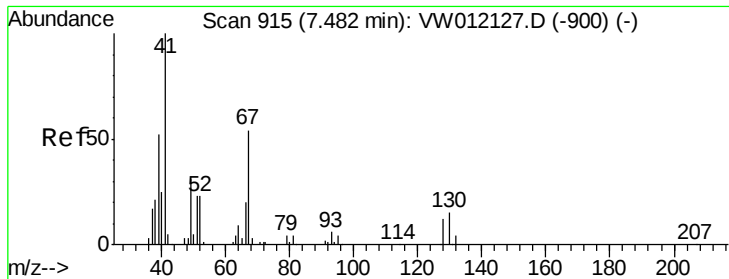
Tgt Ion: 75 Resp: 18944
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.812 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012168.D
 Acq: 26 Aug 2019 13:23

Tgt Ion: 117 Resp: 22307
 Ion Ratio Lower Upper
 117 100
 119 6.3 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.511 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012168.D

Acq: 26 Aug 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F1-(2.5)

Tgt Ion: 41 Resp: 3059

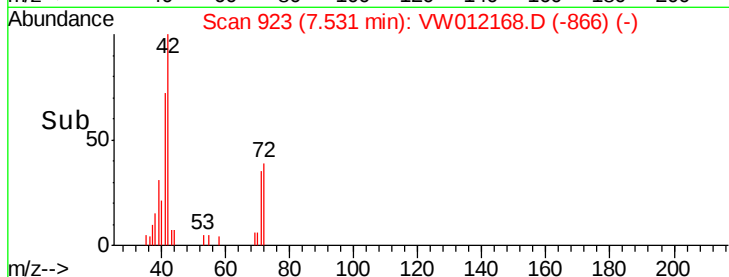
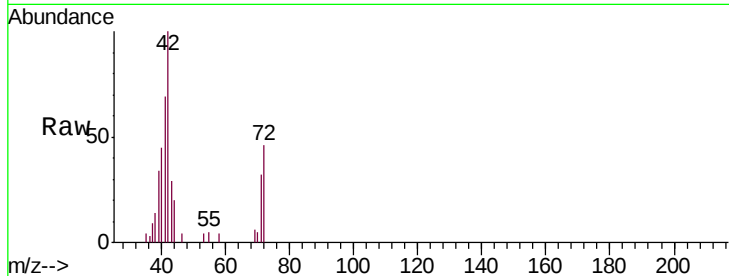
Ion Ratio Lower Upper

41 100

39 58.1 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

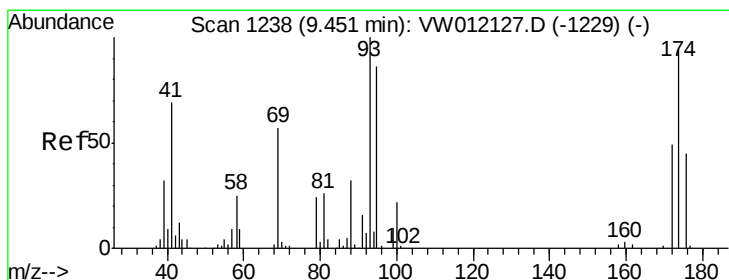
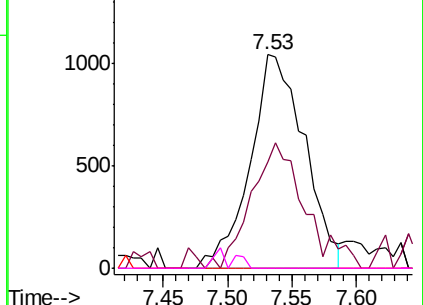


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 1.056 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012168.D

Acq: 26 Aug 2019 13:23

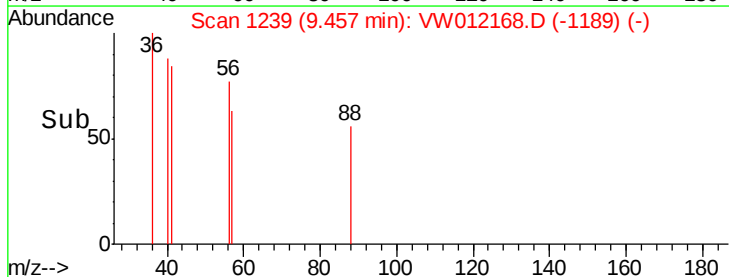
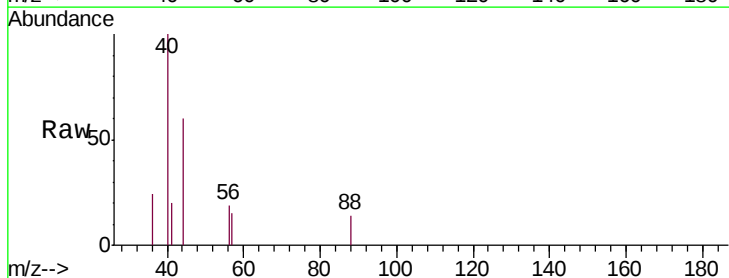
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 425.0 32.9 49.3#

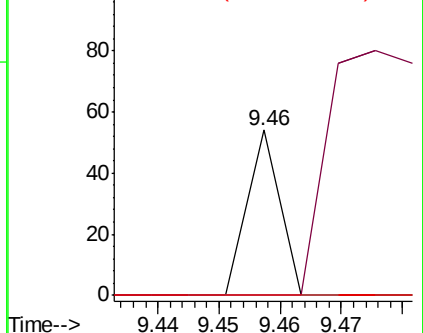
58 0.0 71.0 106.4#

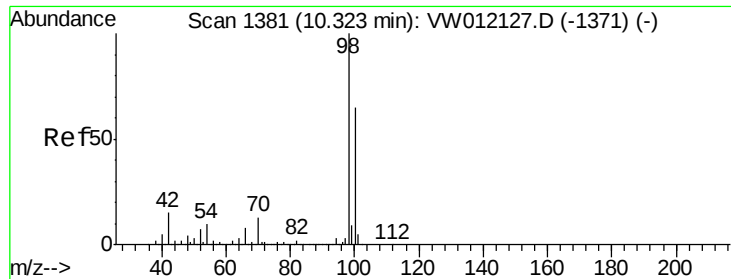


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 50.866 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012168.D

Acq: 26 Aug 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

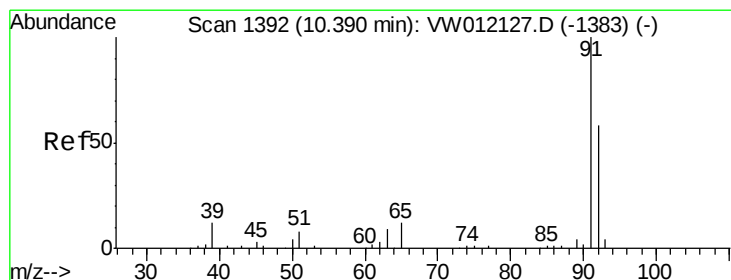
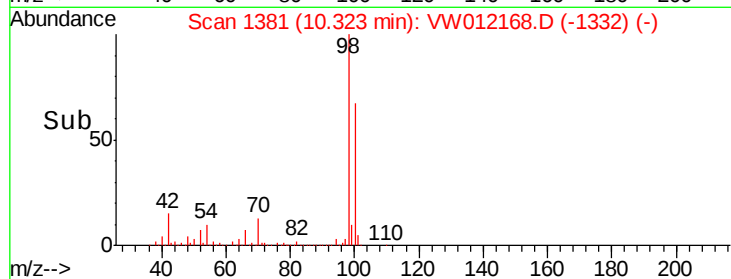
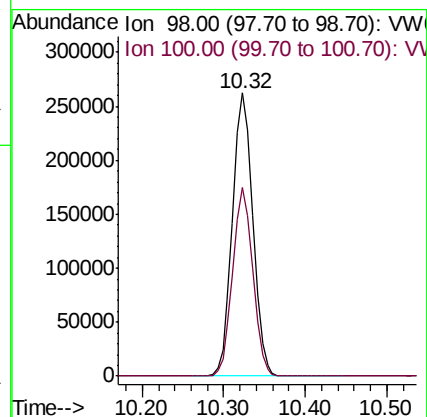
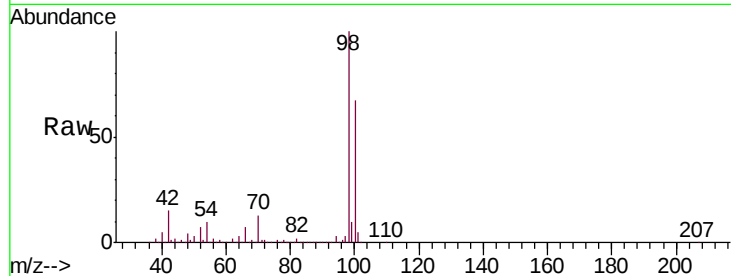
T1-2-F1-(2.5)

Tgt Ion: 98 Resp: 450712

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6



#52

Toluene

Concen: 1.680 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012168.D

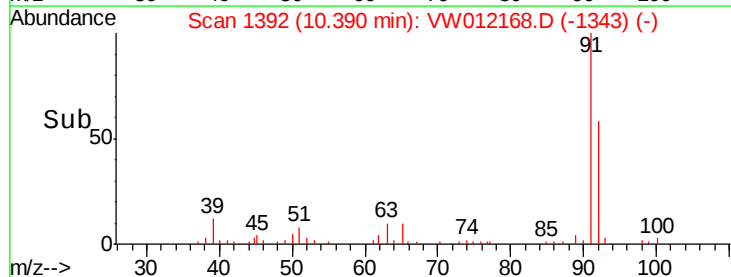
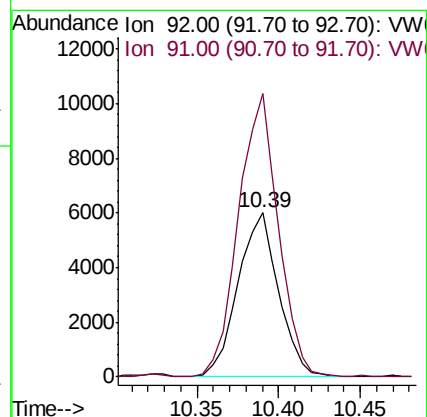
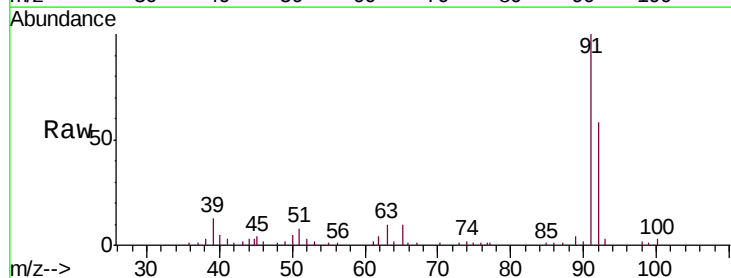
Acq: 26 Aug 2019 13:23

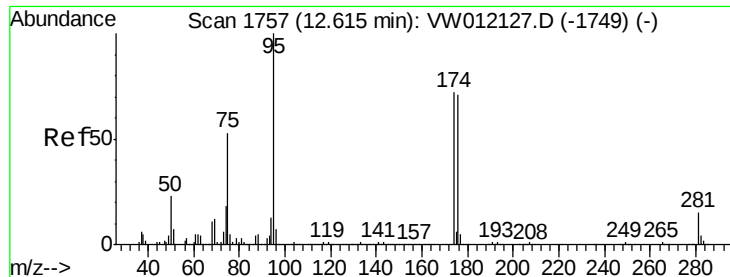
Tgt Ion: 92 Resp: 10427

Ion Ratio Lower Upper

92 100

91 169.4 136.6 204.8

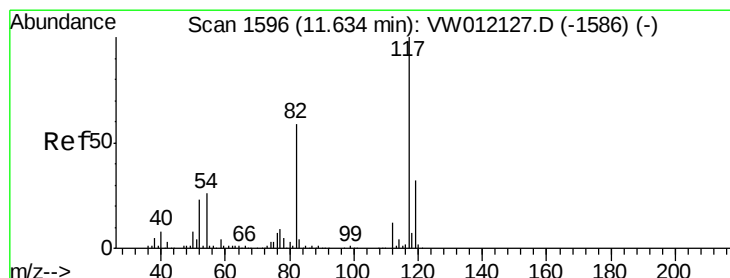
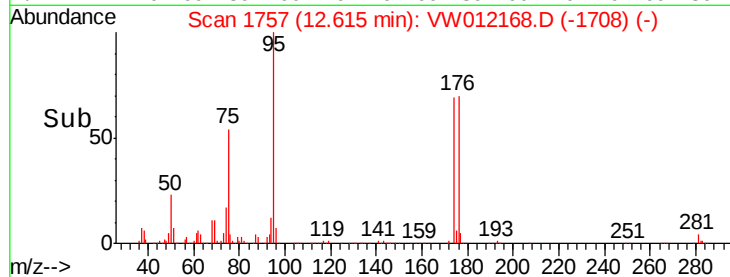
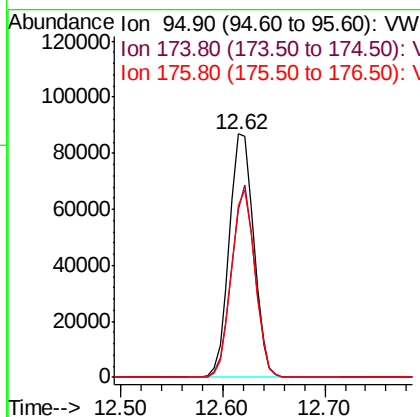
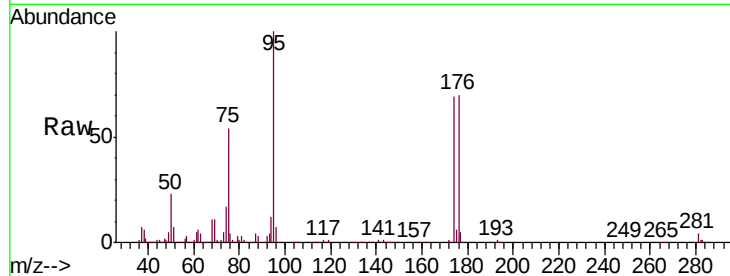




#62
 4-Bromofluorobenzene
 Concen: 46.062 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012168.D
 Acq: 26 Aug 2019 13:23

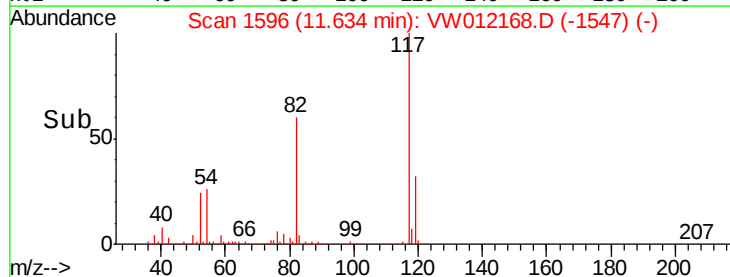
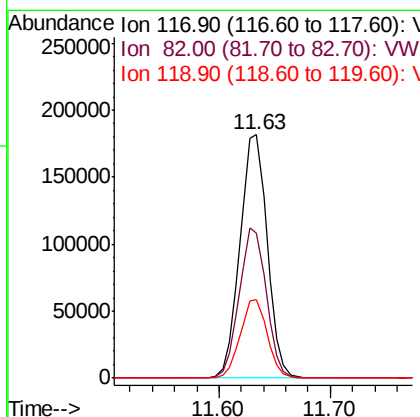
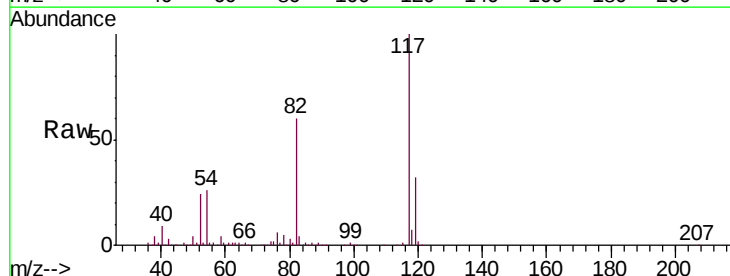
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F1-(2.5)

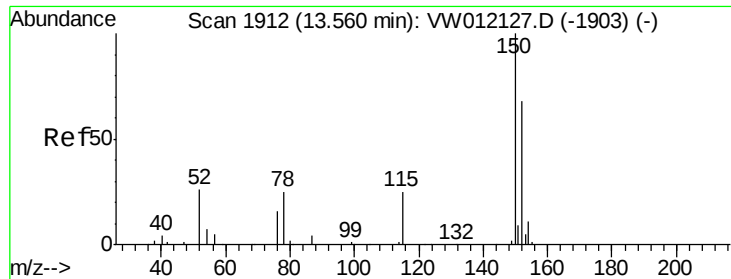
Tgt Ion	Resp	Lower	Upper
95	143869		
174	75.4	0.0	150.8
176	74.0	0.0	148.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VW012168.D
 Acq: 26 Aug 2019 13:23

Tgt Ion	Resp	Lower	Upper
117	309123		
82	59.7	47.4	71.2
119	32.4	25.4	38.2



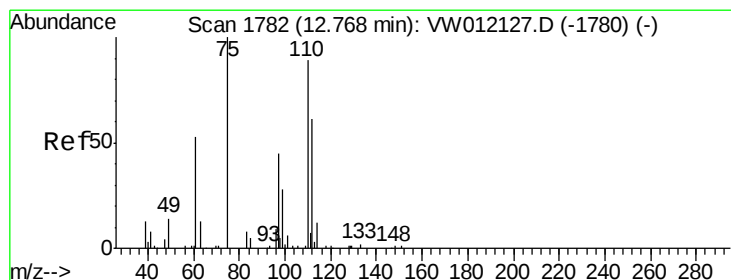
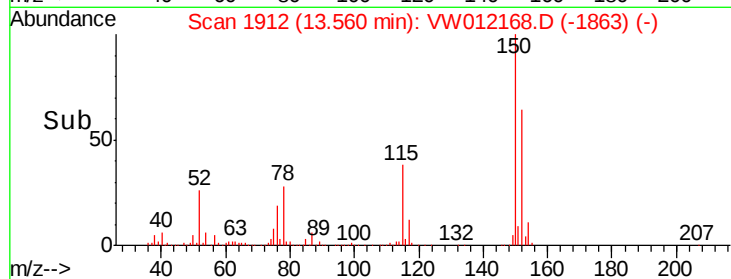
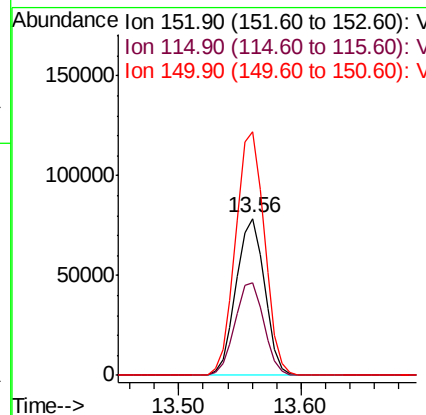
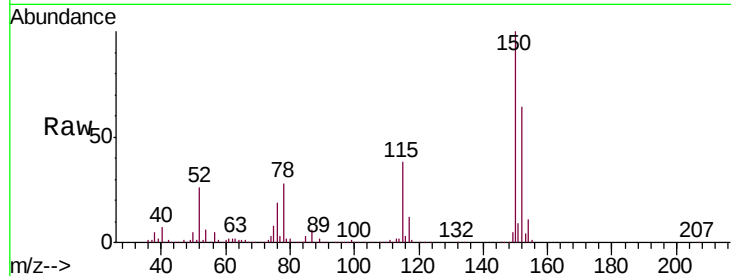


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012168.D
Acq: 26 Aug 2019 13:23

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F1-(2.5)

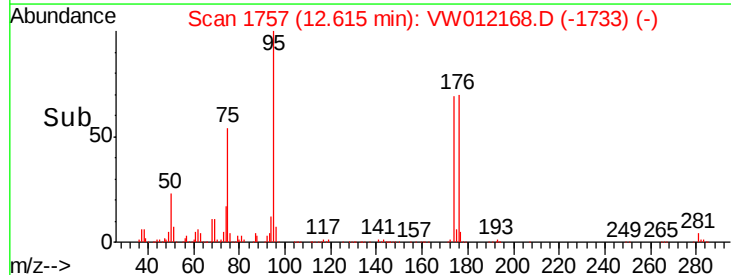
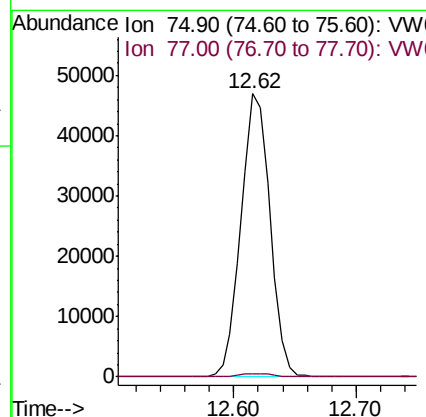
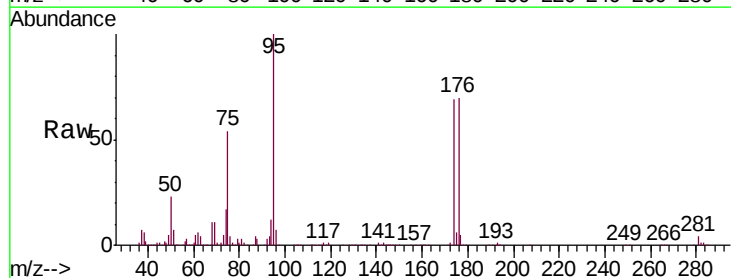
Tgt Ion:152 Resp: 126582
Ion Ratio Lower Upper
152 100
115 59.8 30.1 90.3
150 157.5 0.0 345.8

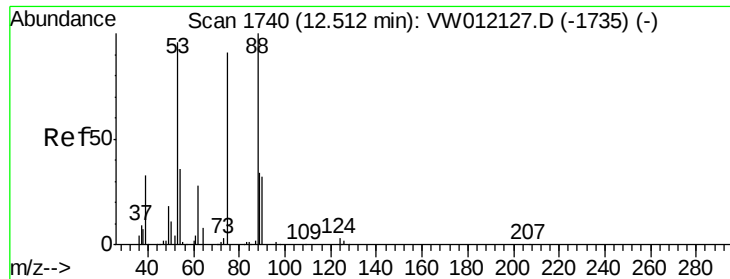


#76

1,2,3-Trichloropropane
Concen: 62.666 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012168.D
Acq: 26 Aug 2019 13:23

Tgt Ion: 75 Resp: 77256
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

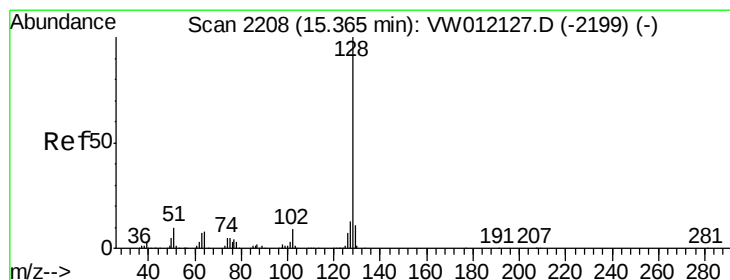
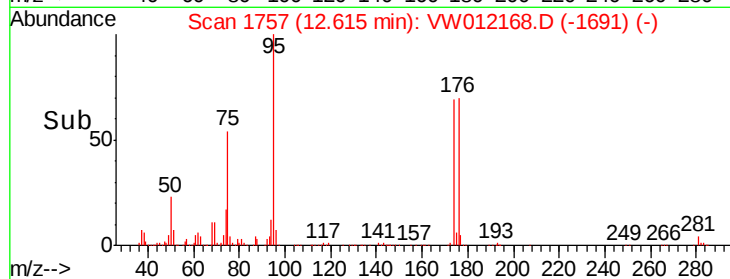
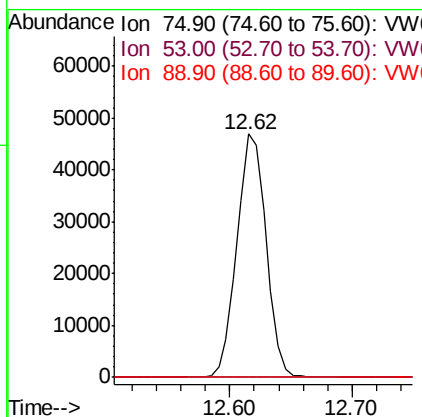
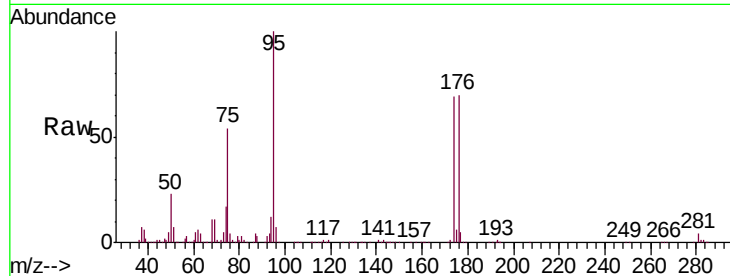




#81
trans-1,4-Dichloro-2-butene
Concen: 137.398 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012168.D
Acq: 26 Aug 2019 13:23

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F1-(2.5)

Tgt Ion: 75 Resp: 77256
Ion Ratio Lower Upper
75 100
53 0.2 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.347 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012168.D
Acq: 26 Aug 2019 13:23

Tgt Ion: 128 Resp: 135
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

