

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
 Data File : VW012623.D
 Acq On : 05 Sep 2019 06:59
 Operator : SY/VA
 Sample : K4547-16
 Misc : 4.13G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-1-(0)

Quant Time: Sep 05 07:57:43 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

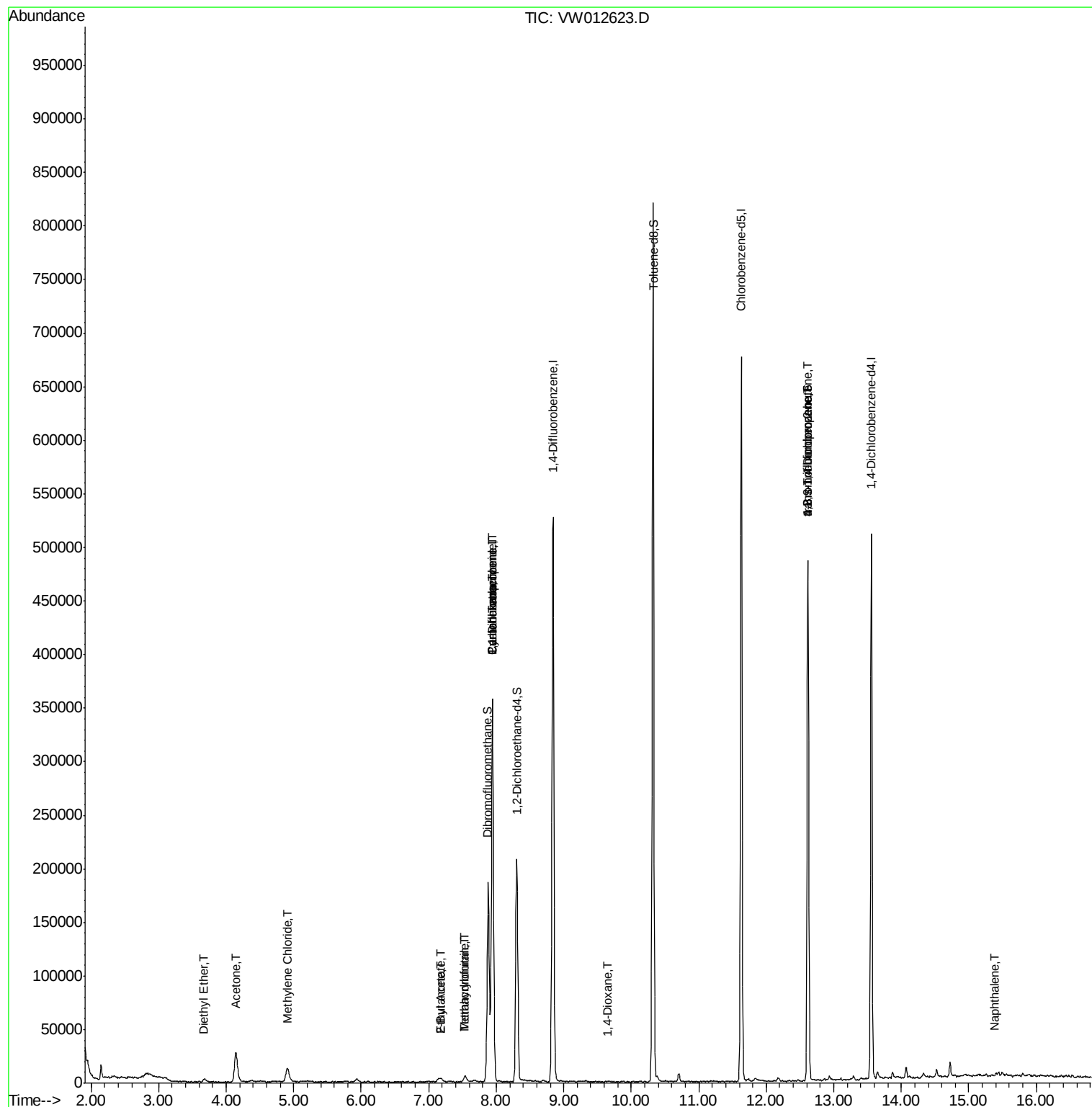
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	420210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131077	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	170422	55.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.98%	
35) Dibromofluoromethane	7.88	113	129968	51.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.64%	
50) Toluene-d8	10.32	98	509946	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.62	95	156241	43.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.16%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1634	1.137	ug/l	97
16) Acetone	4.14	43	60322	76.837	ug/l	95
20) Methylene Chloride	4.90	84	9726	3.277	ug/l	96
25) 2-Butanone	7.18	43	3597	3.372	ug/l	92
29) Tetrahydrofuran	7.54	42	5438	8.496	ug/l	96
31) Cyclohexane	7.95	56	6331	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	22200	5.112	ug/l #	52
37) Ethyl Acetate	7.18	43	3597	1.512	ug/l #	75
38) Carbon Tetrachloride	7.94	117	26849	7.144	ug/l #	17
41) Methacrylonitrile	7.54	41	3495	2.499	ug/l #	57
49) 1,4-Dioxane	9.65	88	24	1.104	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	85402	66.898	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85402	146.677	ug/l #	6
95) Naphthalene	15.37	128	445	4.403	ug/l #	85

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
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: VW012623.D

Acq: 05 Sep 2019 06:59

Instrument :

MSVOA_W

ClientSampleId :

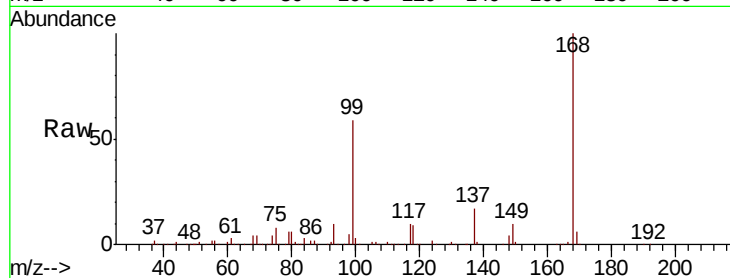
T12-1-(0)

Tgt Ion:168 Resp: 258355

Ion Ratio Lower Upper

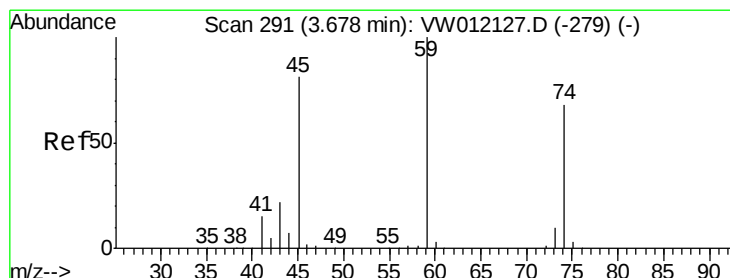
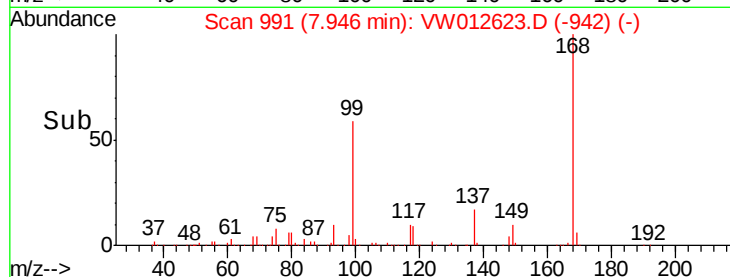
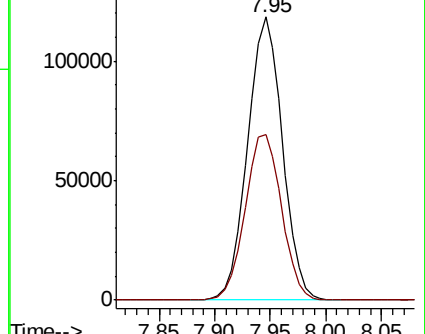
168 100

99 58.7 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: 1.137 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012623.D

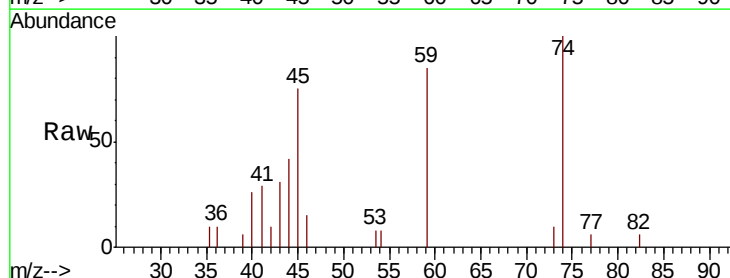
Acq: 05 Sep 2019 06:59

Tgt Ion: 74 Resp: 1634

Ion Ratio Lower Upper

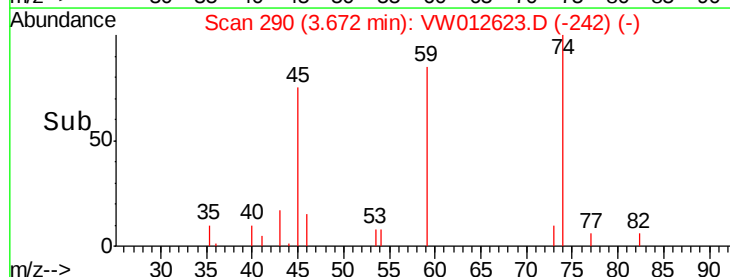
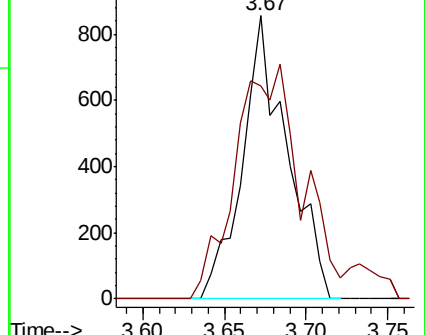
74 100

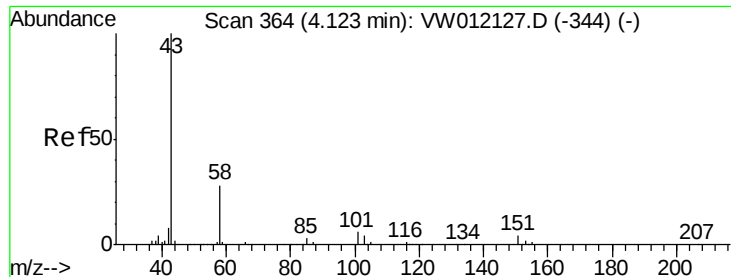
45 121.2 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 76.837 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012623.D

Acq: 05 Sep 2019 06:59

Instrument :

MSVOA_W

ClientSampleId :

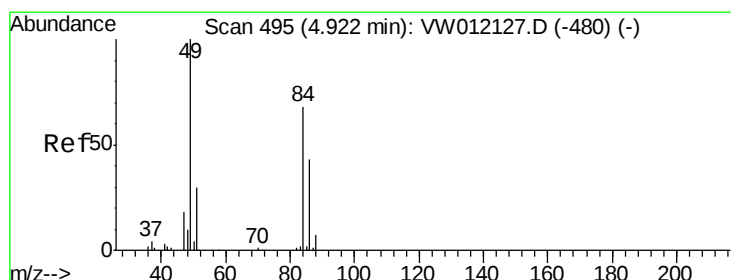
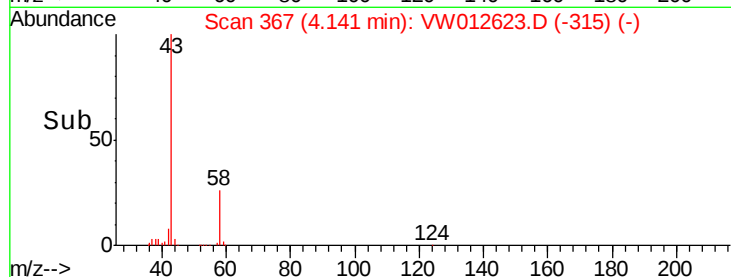
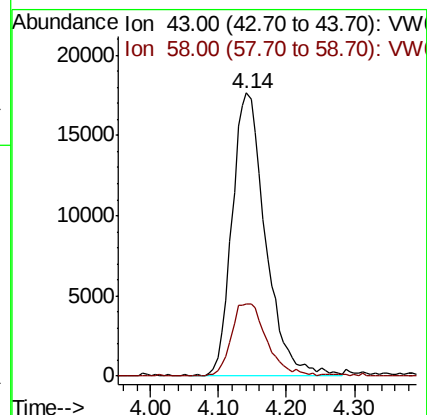
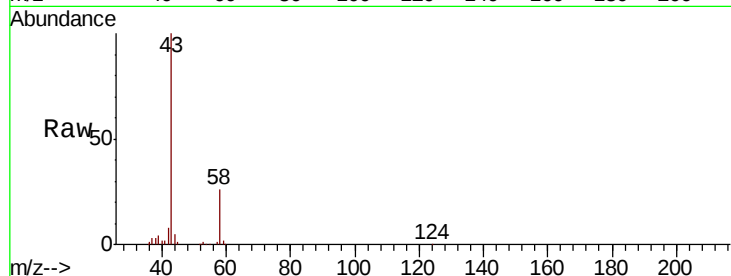
T12-1-(0)

Tgt Ion: 43 Resp: 60322

Ion Ratio Lower Upper

43 100

58 25.5 22.4 33.6



#20

Methylene Chloride

Concen: 3.277 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012623.D

Acq: 05 Sep 2019 06:59

Tgt Ion: 84 Resp: 9726

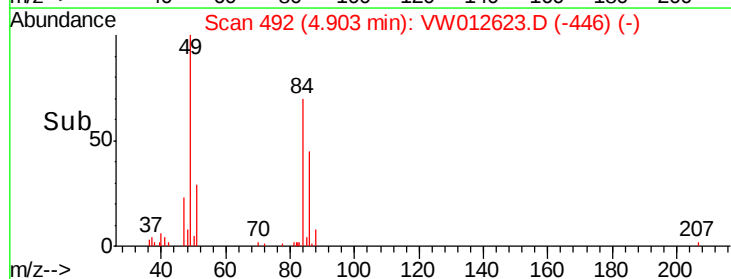
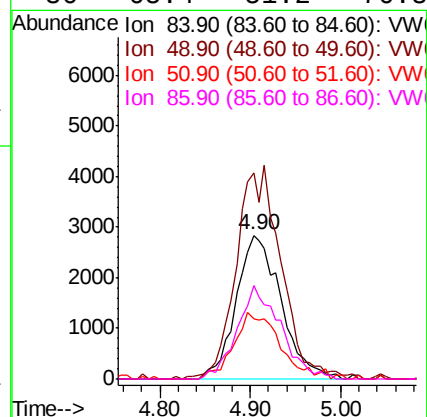
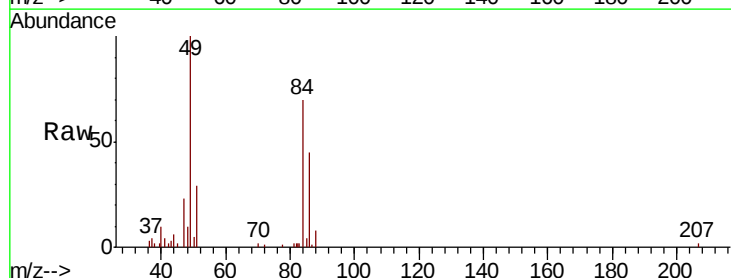
Ion Ratio Lower Upper

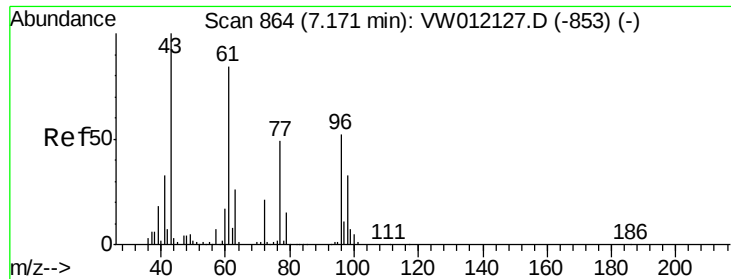
84 100

49 141.8 117.8 176.8

51 42.3 35.6 53.4

86 65.4 51.2 76.8





#25

2-Butanone

Concen: 3.372 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW012623.D

Acq: 05 Sep 2019 06:59

Instrument :

MSVOA_W

ClientSampleId :

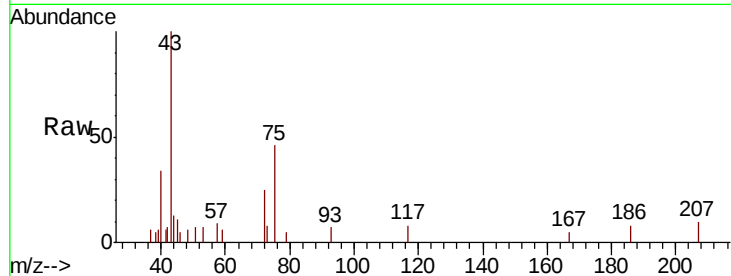
T12-1-(0)

Tgt Ion: 43 Resp: 3597

Ion Ratio Lower Upper

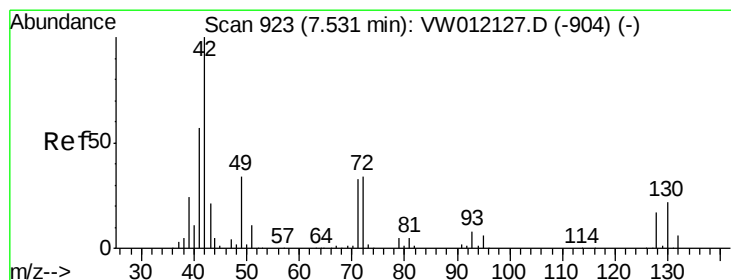
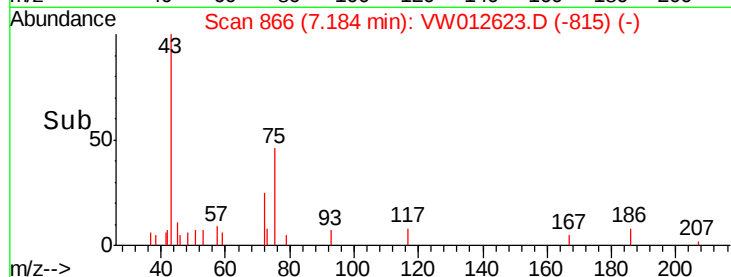
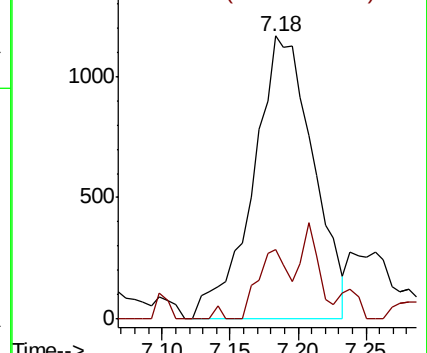
43 100

72 24.5 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 8.496 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012623.D

Acq: 05 Sep 2019 06:59

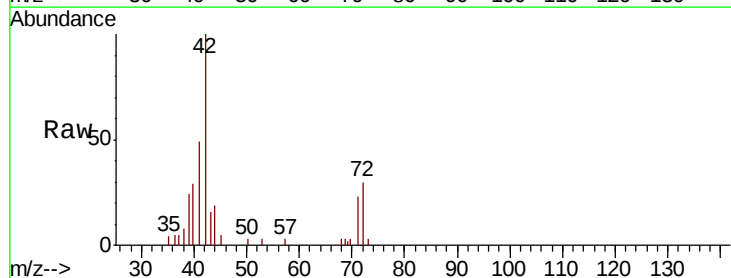
Tgt Ion: 42 Resp: 5438

Ion Ratio Lower Upper

42 100

72 29.8 27.3 40.9

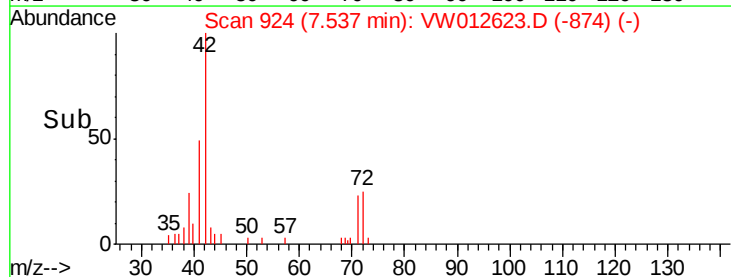
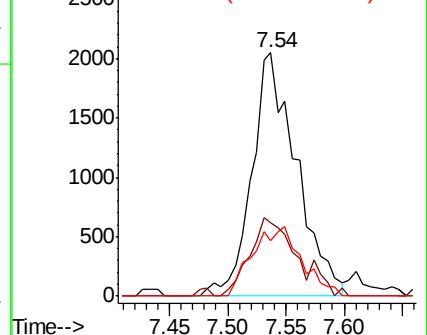
71 31.6 25.5 38.3

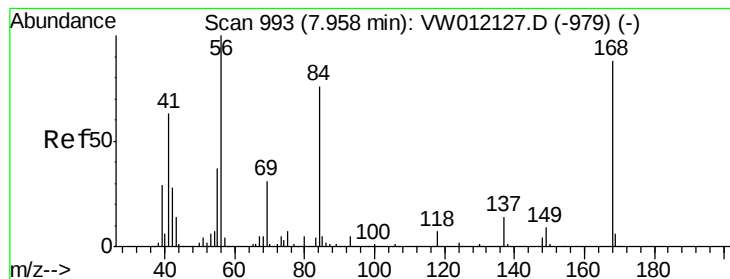


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.144 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012623.D

Acq: 05 Sep 2019 06:59

Instrument :

MSVOA_W

ClientSampleId :

T12-1-(0)

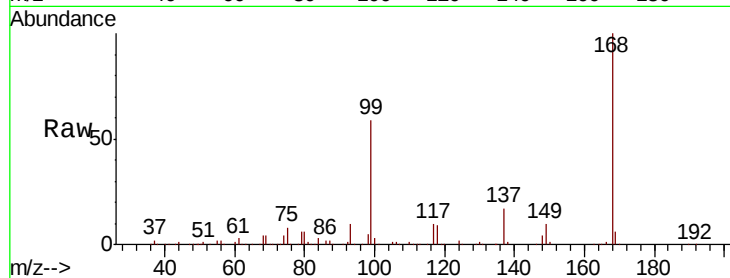
Tgt Ion: 56 Resp: 6331

Ion Ratio Lower Upper

56 100

69 177.8 24.9 37.3#

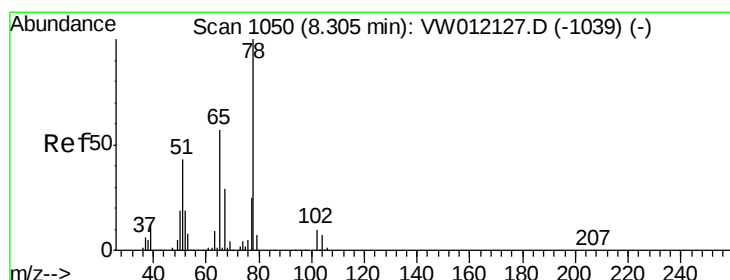
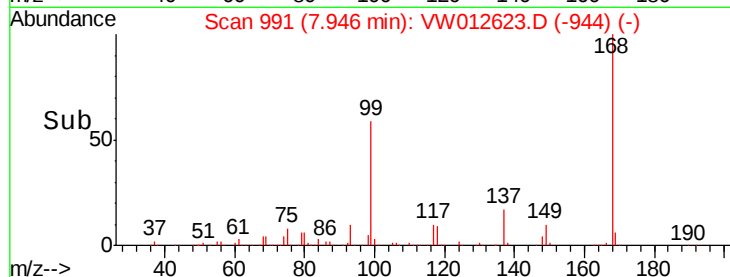
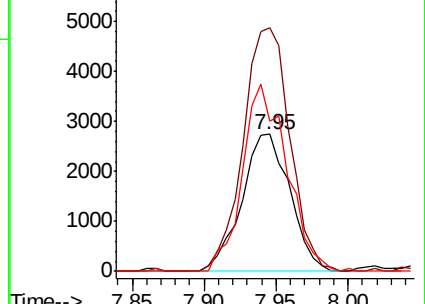
84 109.7 60.6 90.8#



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: 55.490 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012623.D

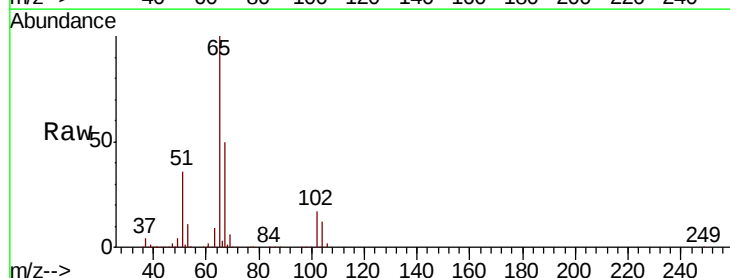
Acq: 05 Sep 2019 06:59

Tgt Ion: 65 Resp: 170422

Ion Ratio Lower Upper

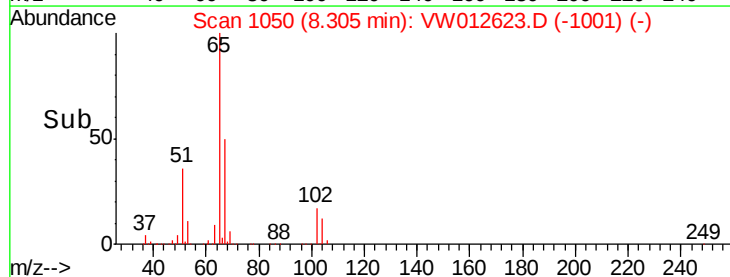
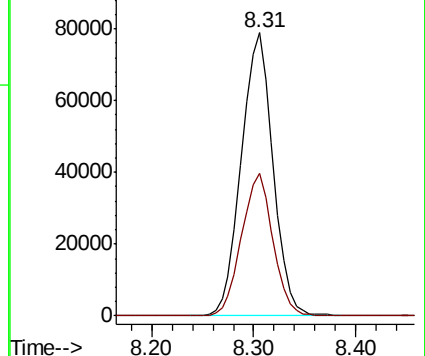
65 100

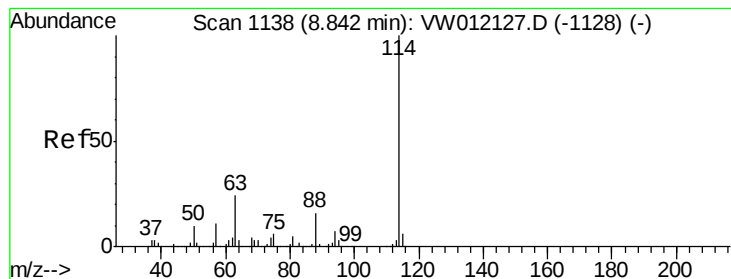
67 49.9 0.0 102.6



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: VW012623.D

Acq: 05 Sep 2019 06:59

Instrument :

MSVOA_W

ClientSampled :

T12-1-(0)

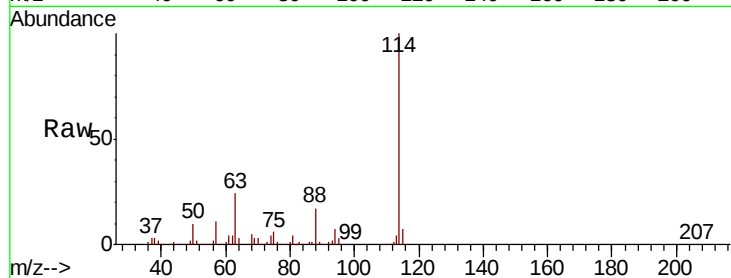
Tgt Ion:114 Resp: 420210

Ion Ratio Lower Upper

114 100

63 24.4 0.0 48.6

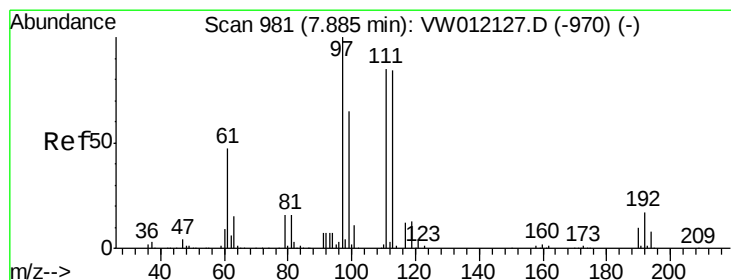
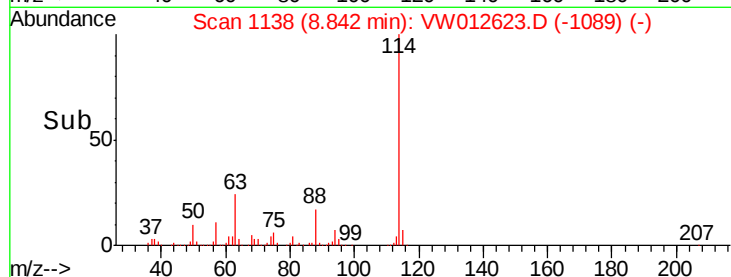
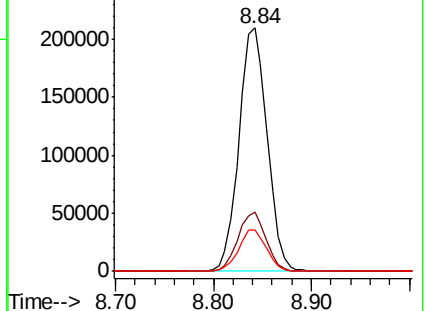
88 16.9 0.0 32.2



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: 51.816 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012623.D

Acq: 05 Sep 2019 06:59

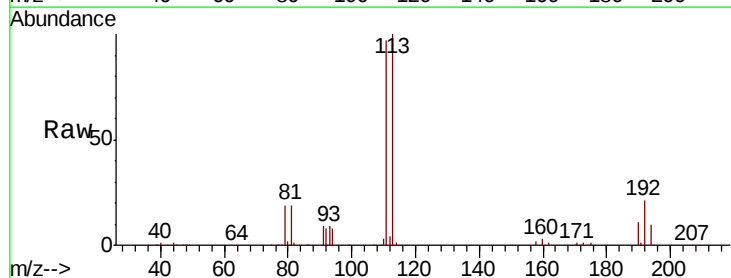
Tgt Ion:113 Resp: 129968

Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

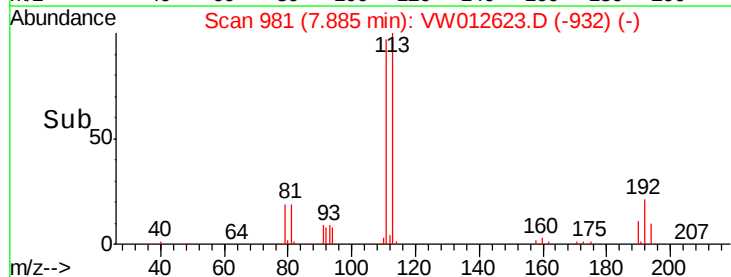
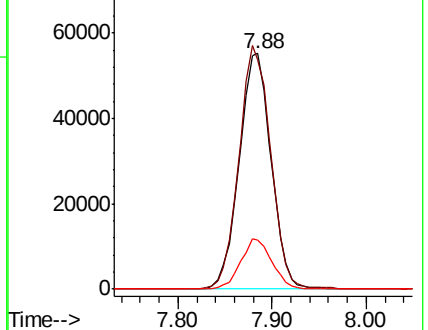
192 21.0 16.2 24.2

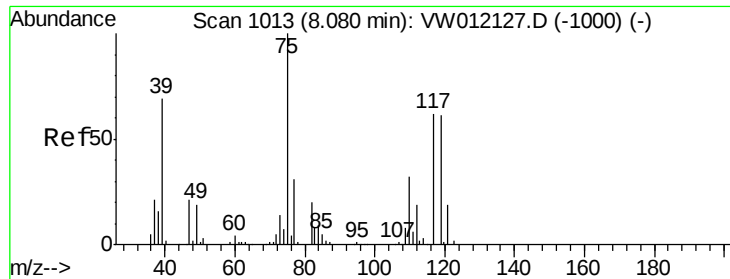


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

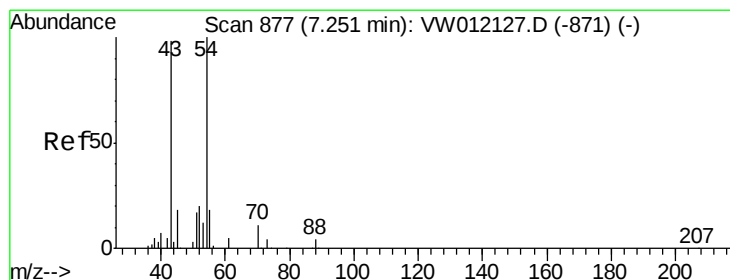
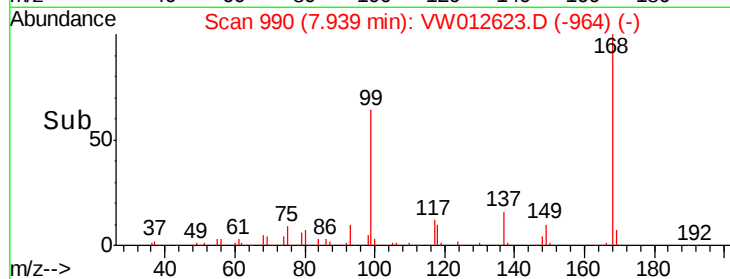
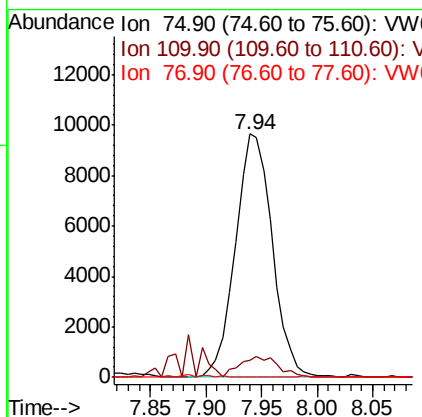
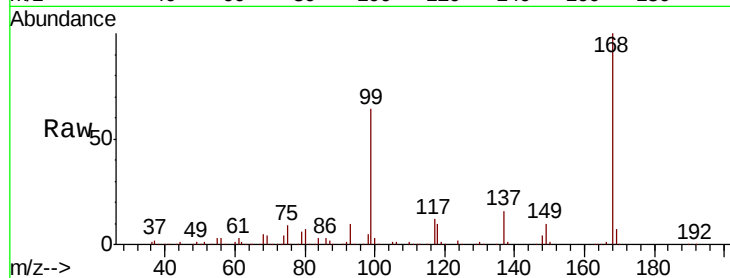




#36
 1,1-Dichloropropene
 Concen: 5.112 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012623.D
 Acq: 05 Sep 2019 06:59

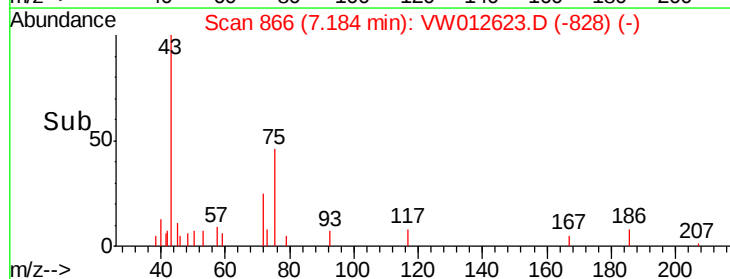
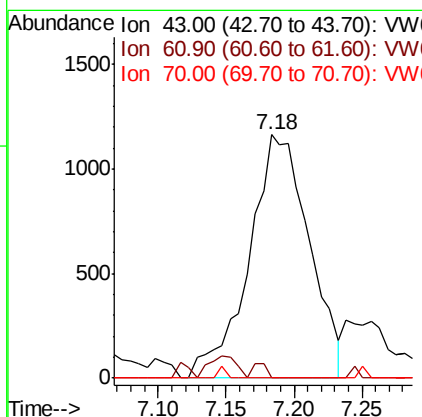
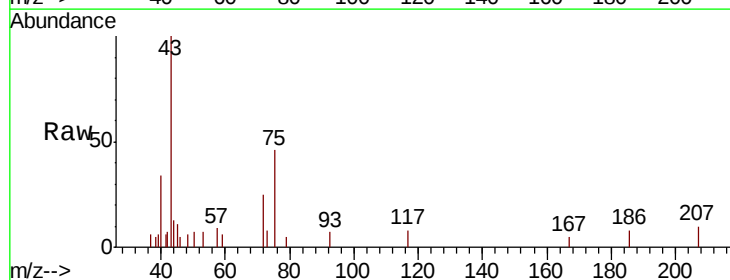
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-1-(0)

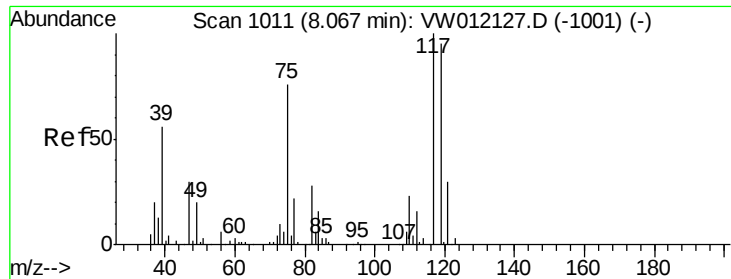
Tgt Ion: 75 Resp: 22200
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.6 46.8#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 1.512 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW012623.D
 Acq: 05 Sep 2019 06:59

Tgt Ion: 43 Resp: 3597
 Ion Ratio Lower Upper
 43 100
 61 1.4 9.2 13.8#
 70 0.0 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 7.144 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012623.D

Acq: 05 Sep 2019 06:59

Instrument :

MSVOA_W

ClientSampleId :

T12-1-(0)

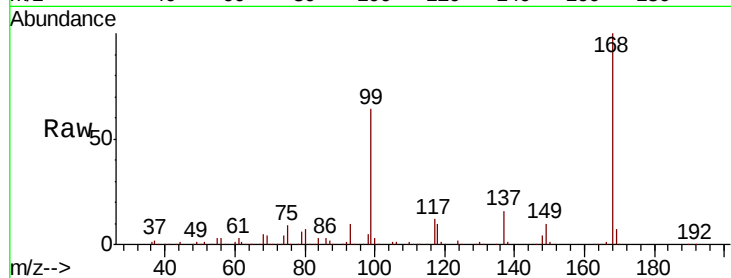
Tgt Ion:117 Resp: 26849

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

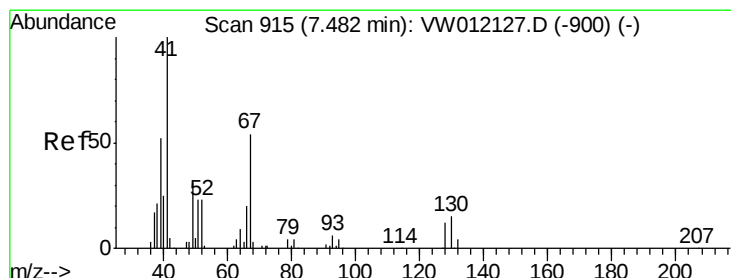
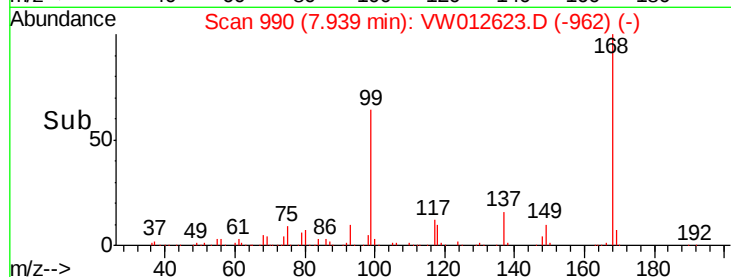
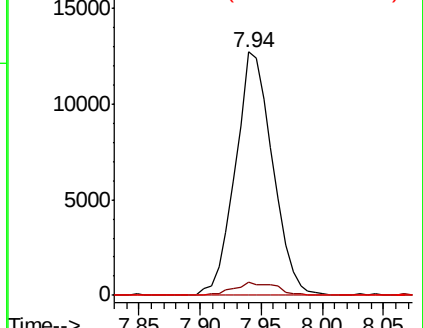
121 0.0 23.8 35.8#



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: 2.499 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012623.D

Acq: 05 Sep 2019 06:59

Tgt Ion: 41 Resp: 3495

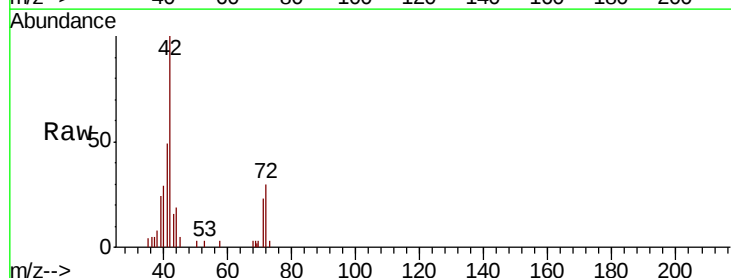
Ion Ratio Lower Upper

41 100

39 62.0 45.8 68.8

67 0.0 46.2 69.4#

52 1.5 21.0 31.6#

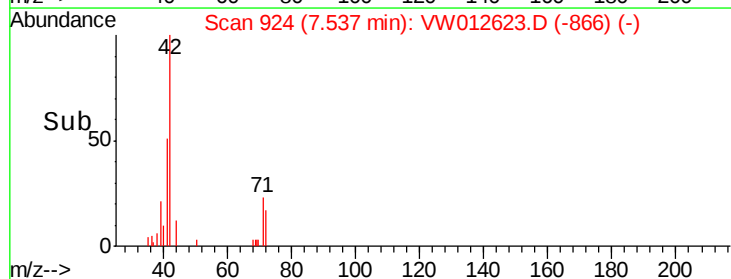
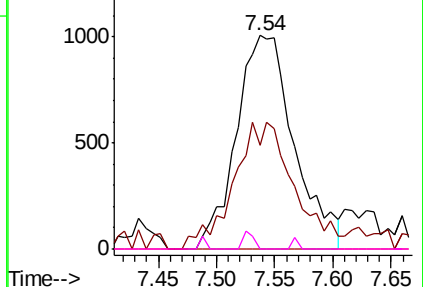


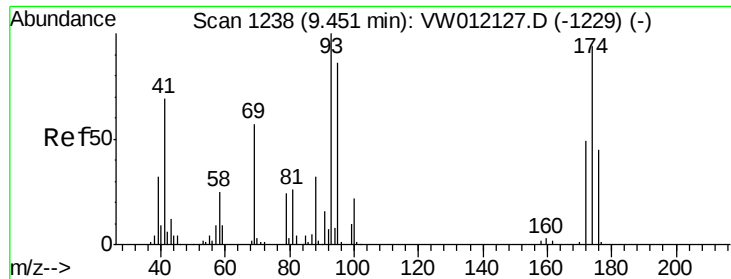
Abundance Ion 41.00 (40.70 to 41.70): VW

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

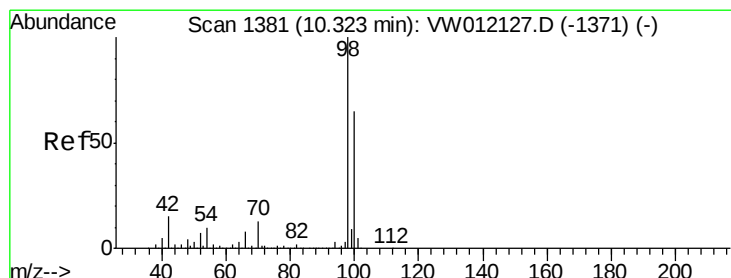
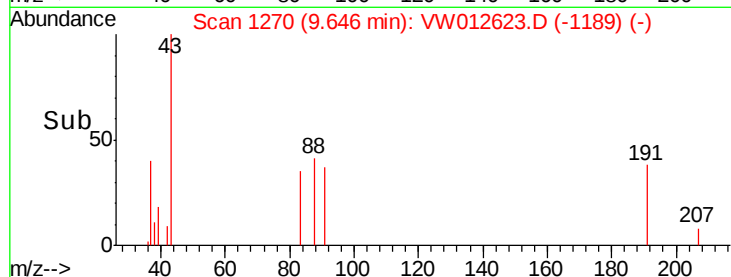
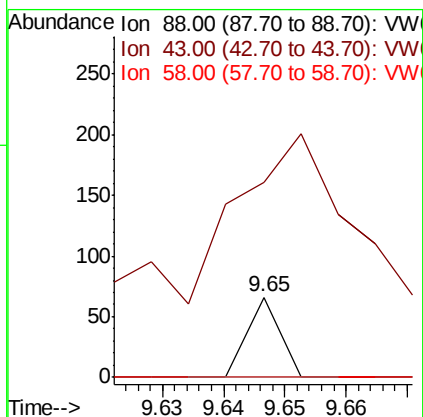
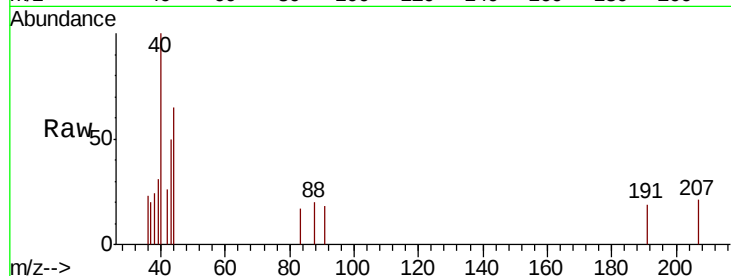




#49
 1,4-Dioxane
 Concen: 1.104 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.20 min
 Lab File: VW012623.D
 Acq: 05 Sep 2019 06:59

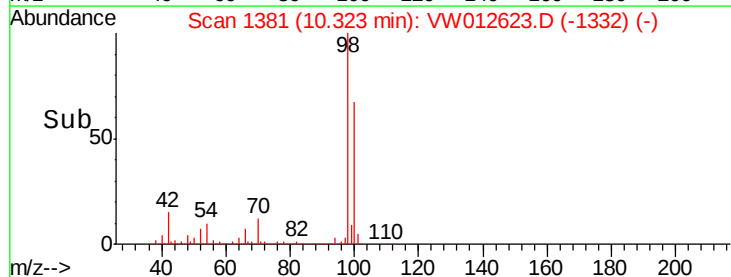
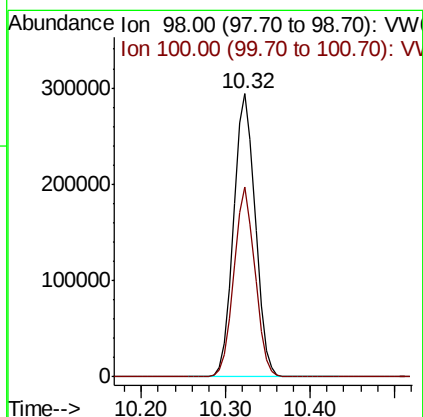
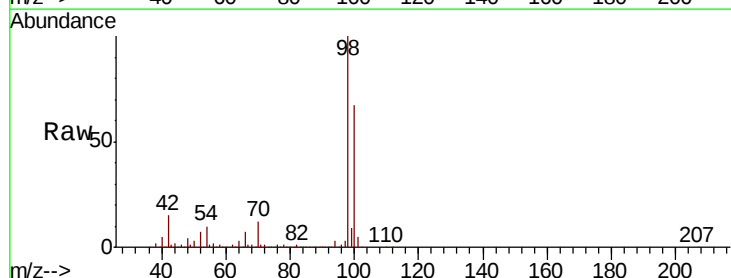
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-1-(0)

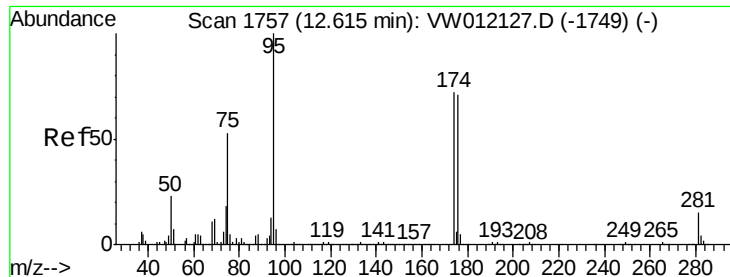
Tgt Ion: 88 Resp: 24
 Ion Ratio Lower Upper
 88 100
 43 1245.8 32.9 49.3#
 58 0.0 71.0 106.4#



#50
 Toluene-d8
 Concen: 50.141 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW012623.D
 Acq: 05 Sep 2019 06:59

Tgt Ion: 98 Resp: 509946
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.4 78.6

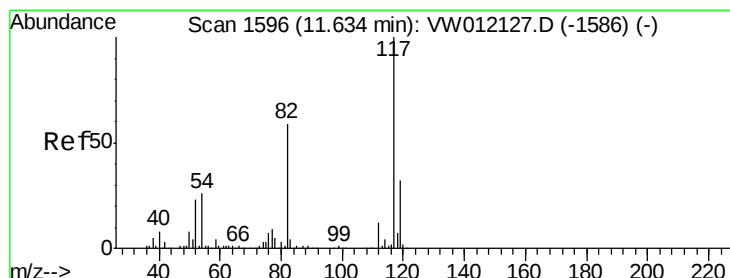
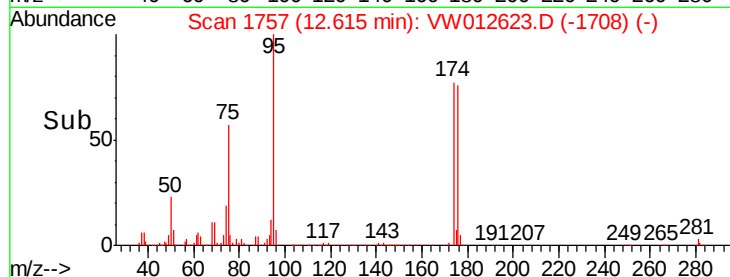
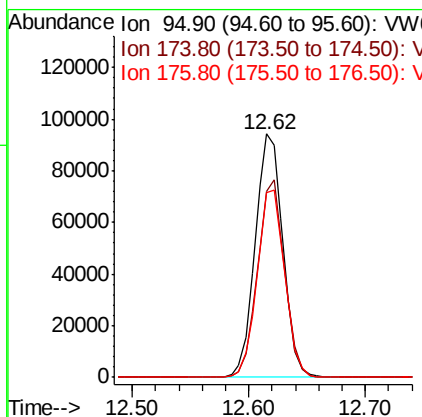
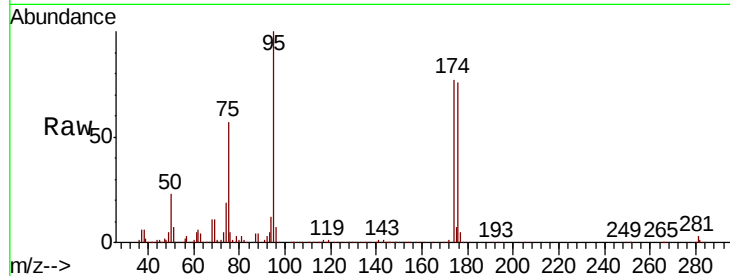




#62
4-Bromofluorobenzene
Concen: 43.582 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012623.D
Acq: 05 Sep 2019 06:59

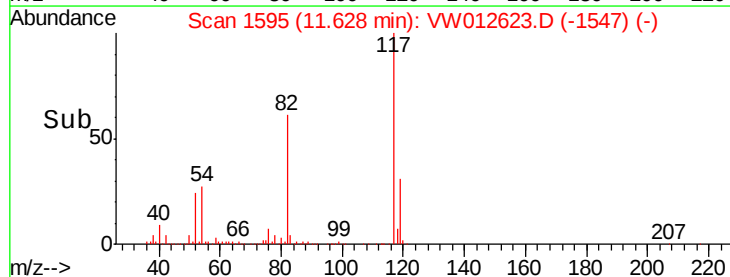
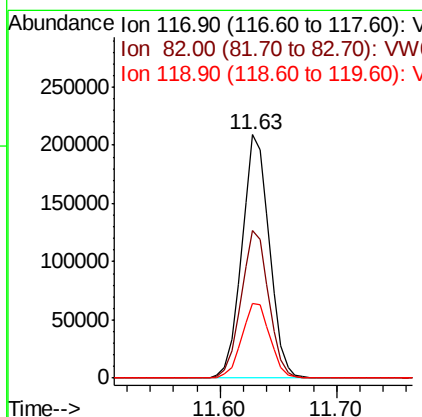
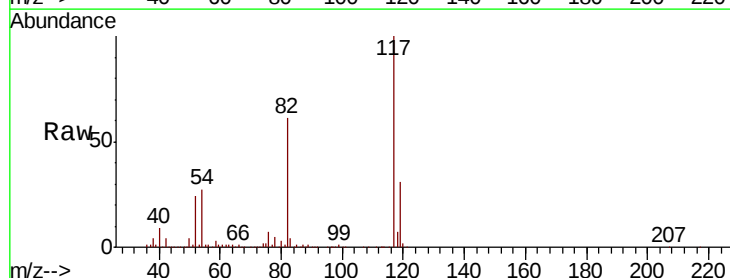
Instrument :
MSVOA_W
ClientSampleId :
T12-1-(0)

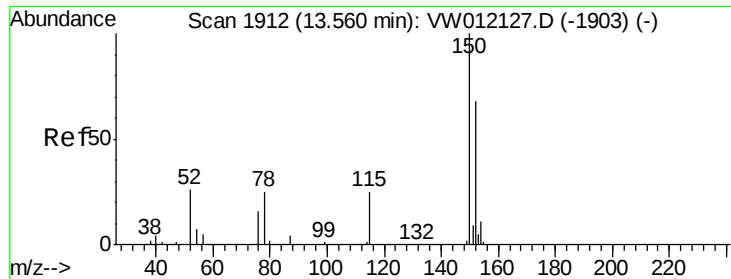
Tgt Ion: 95 Resp: 156241
Ion Ratio Lower Upper
95 100
174 79.2 0.0 150.8
176 76.9 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012623.D
Acq: 05 Sep 2019 06:59

Tgt Ion: 117 Resp: 343175
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 30.7 25.4 38.2



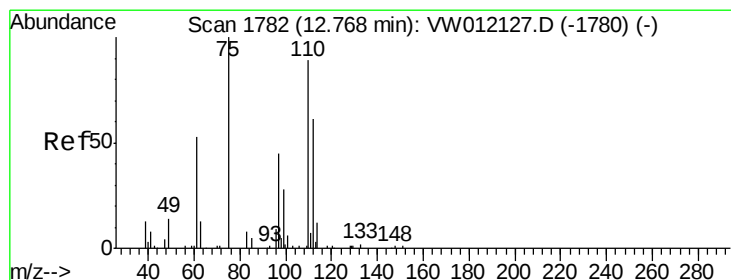
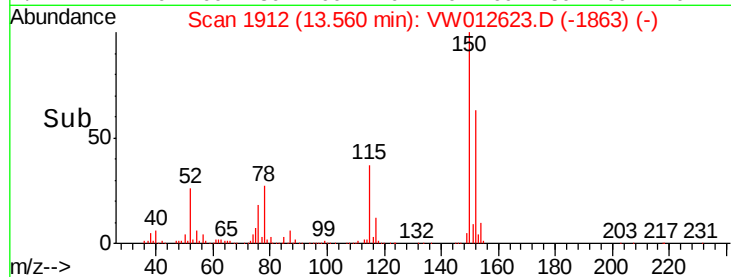
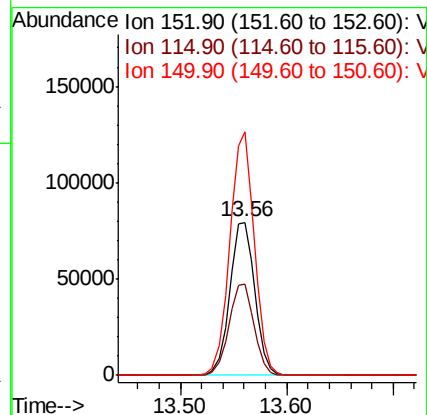
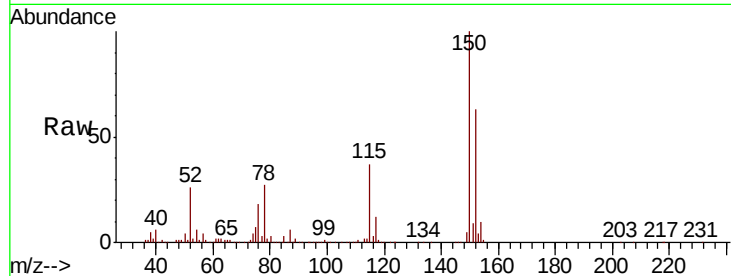


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012623.D
Acq: 05 Sep 2019 06:59

Instrument :
MSVOA_W
ClientSampleId :
T12-1-(0)

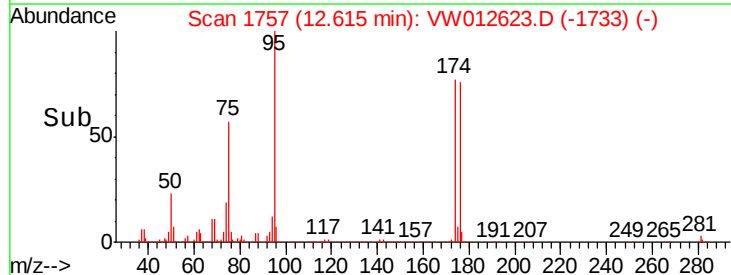
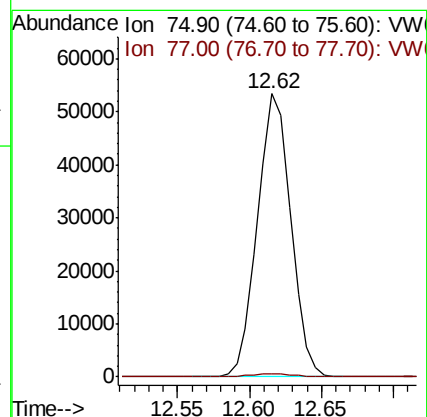
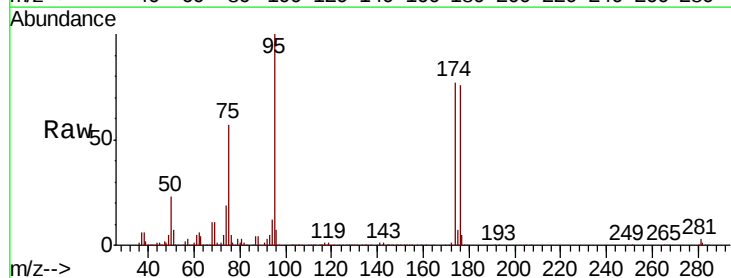
Tgt Ion:152 Resp: 131077
Ion Ratio Lower Upper
152 100
115 59.5 30.1 90.3
150 154.9 0.0 345.8

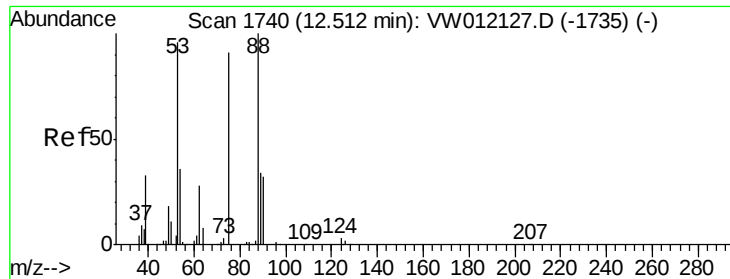


#76

1,2,3-Trichloropropane
Concen: 66.898 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012623.D
Acq: 05 Sep 2019 06:59

Tgt Ion: 75 Resp: 85402
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 146.677 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012623.D

Acq: 05 Sep 2019 06:59

Instrument :

MSVOA_W

ClientSampleId :

T12-1-(0)

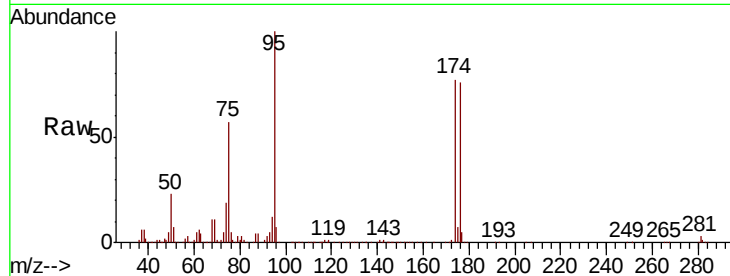
Tgt Ion: 75 Resp: 85402

Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

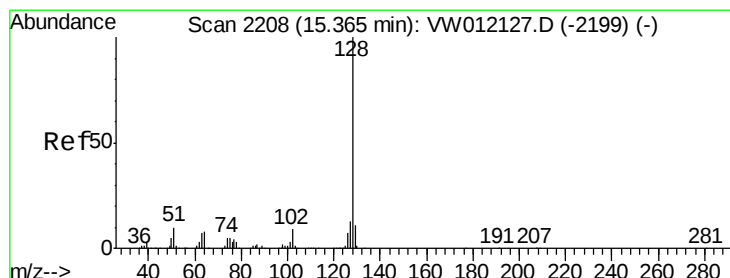
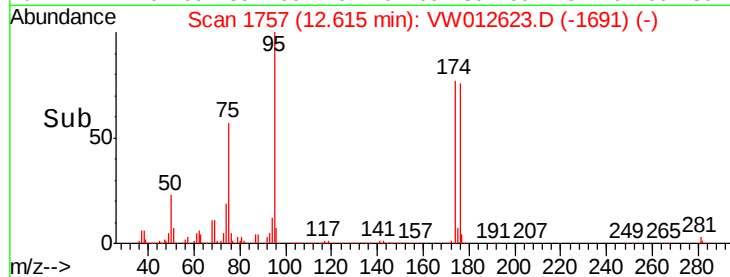
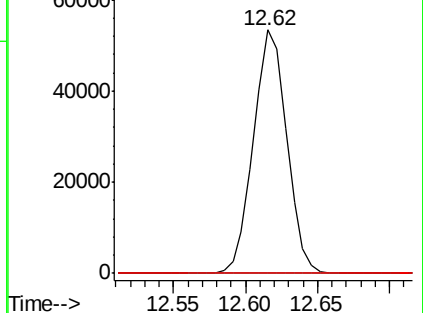
89 0.0 34.5 51.7#



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: 4.403 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012623.D

Acq: 05 Sep 2019 06:59

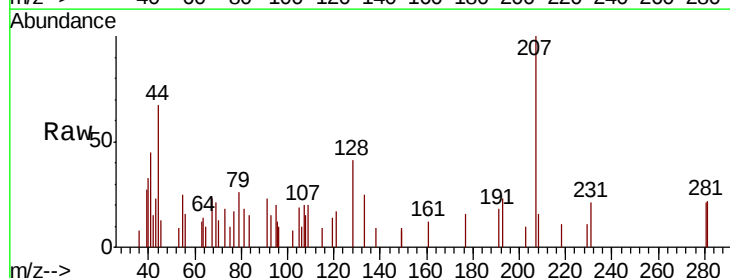
Tgt Ion: 128 Resp: 445

Ion Ratio Lower Upper

128 100

127 12.1 10.7 16.1

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

