

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012649.D
 Acq On : 05 Sep 2019 18:54
 Operator : SY/VA
 Sample : K4613-06RE
 Misc : 6.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-10-D2

Quant Time: Sep 06 07:54:36 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	53893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	80655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	72075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	23802	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	34377	53.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.32%	
35) Dibromofluoromethane	7.88	113	26579	55.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.42%	
50) Toluene-d8	10.32	98	101515	52.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.62	95	31743	46.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.26%	

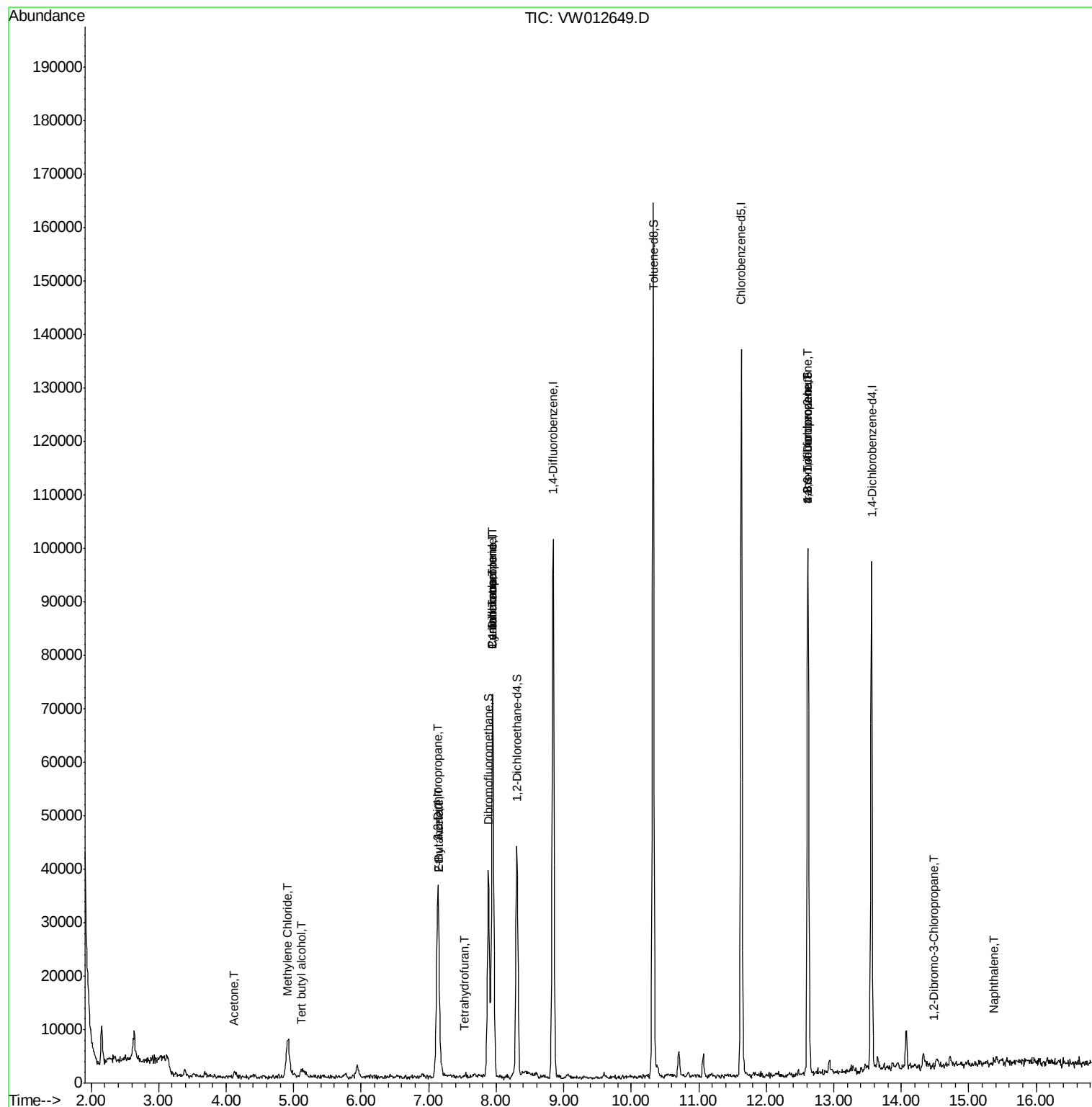
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1428	37.039	ug/l #	71
16) Acetone	4.12	43	1775	10.839	ug/l	92
20) Methylene Chloride	4.90	84	4530	7.317	ug/l #	81
25) 2-Butanone	7.15	43	2186	9.823	ug/l #	87
26) 2,2-Dichloropropane	7.13	77	2536	3.841	ug/l #	54
29) Tetrahydrofuran	7.53	42	221	1.655	ug/l #	58
31) Cyclohexane	7.94	56	1458	1.263	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	4821	5.784	ug/l #	55
37) Ethyl Acetate	7.15	43	2186	4.786	ug/l #	74
38) Carbon Tetrachloride	7.95	117	5346	7.411	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	17243	74.383	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	17243	163.087	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.48	75	58	1.052	ug/l #	5
95) Naphthalene	15.36	128	48	4.370	ug/l #	69

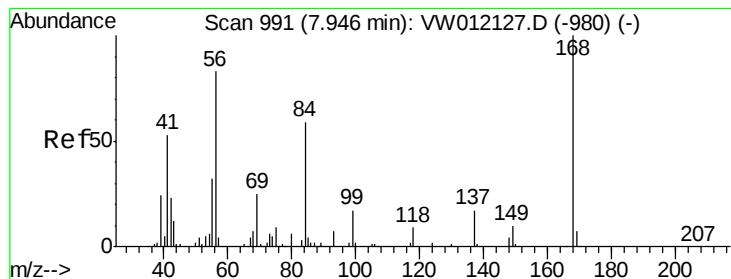
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012649.D

Acq: 05 Sep 2019 18:54

Instrument :

MSVOA_W

ClientSampled :

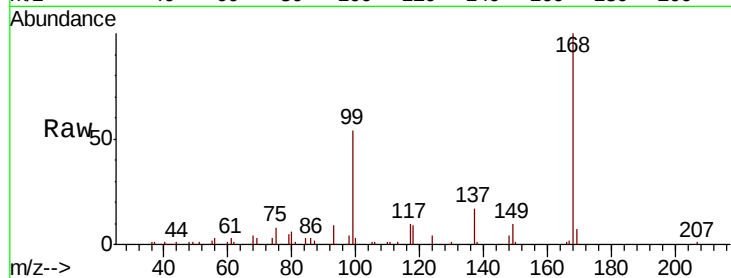
TP-10-D2

Tgt Ion:168 Resp: 53893

Ion Ratio Lower Upper

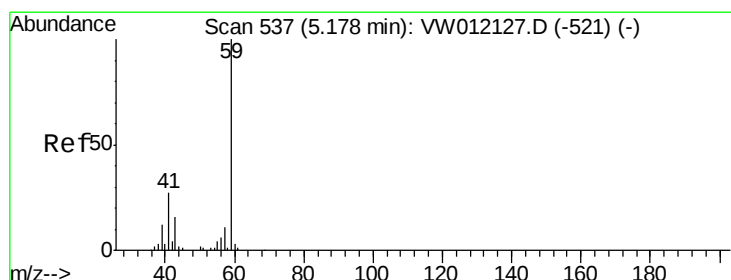
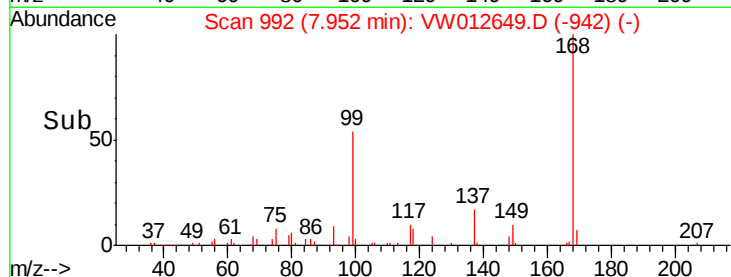
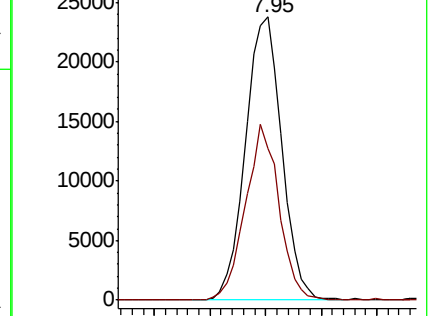
168 100

99 53.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 37.039 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.06 min

Lab File: VW012649.D

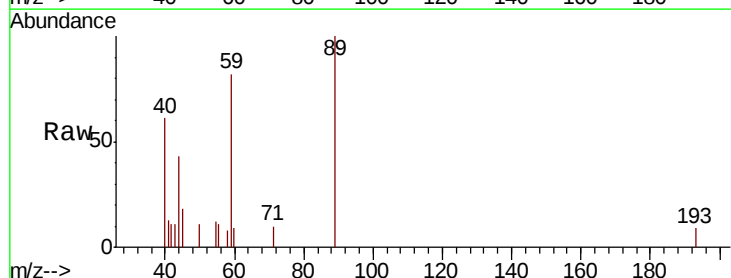
Acq: 05 Sep 2019 18:54

Tgt Ion: 59 Resp: 1428

Ion Ratio Lower Upper

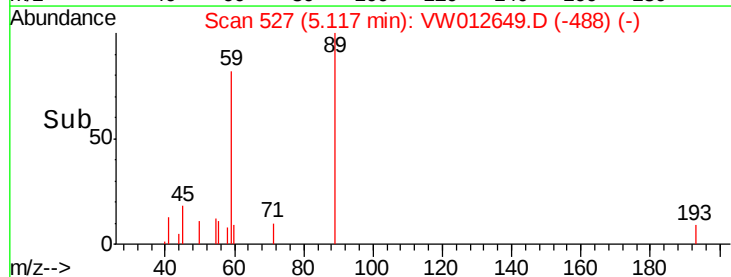
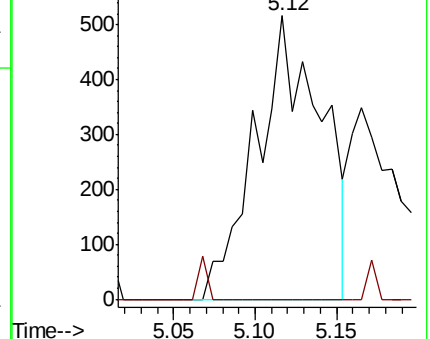
59 100

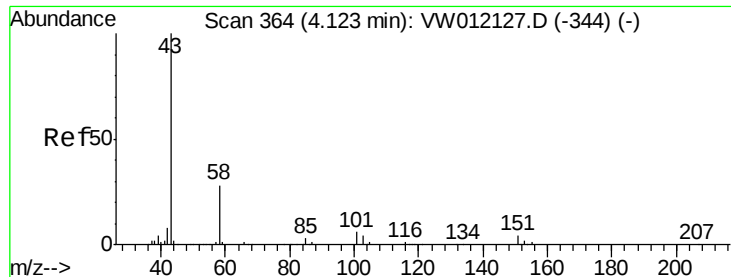
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 10.839 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012649.D

Acq: 05 Sep 2019 18:54

Instrument :

MSVOA_W

ClientSampleId :

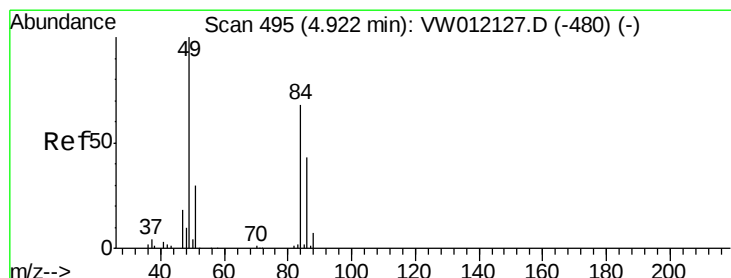
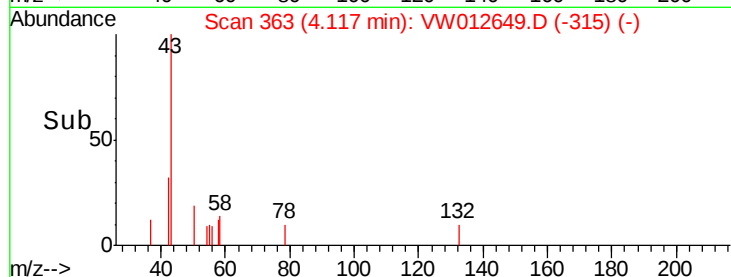
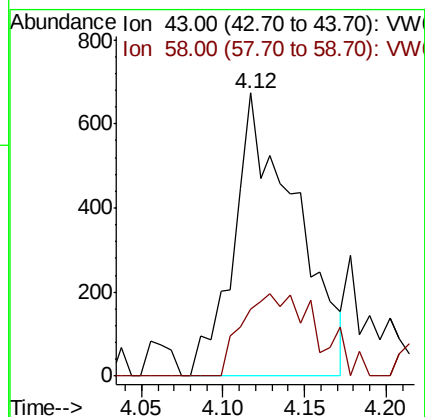
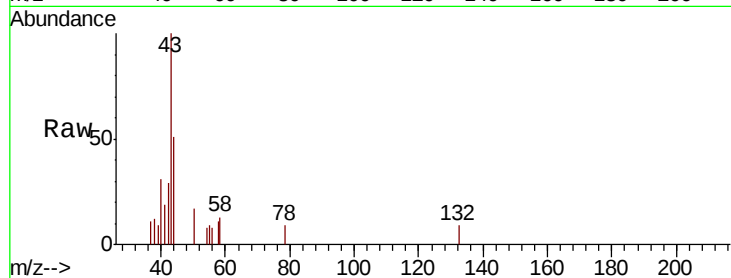
TP-10-D2

Tgt Ion: 43 Resp: 1775

Ion Ratio Lower Upper

43 100

58 23.6 22.4 33.6



#20

Methylene Chloride

Concen: 7.317 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012649.D

Acq: 05 Sep 2019 18:54

Tgt Ion: 84 Resp: 4530

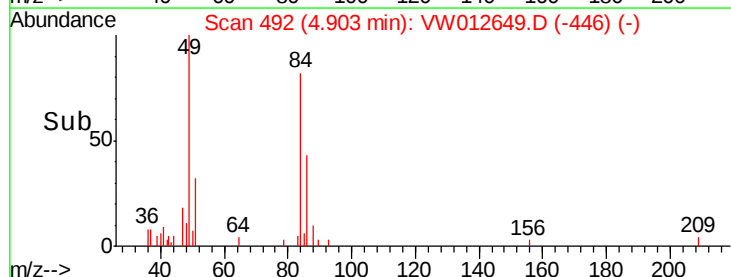
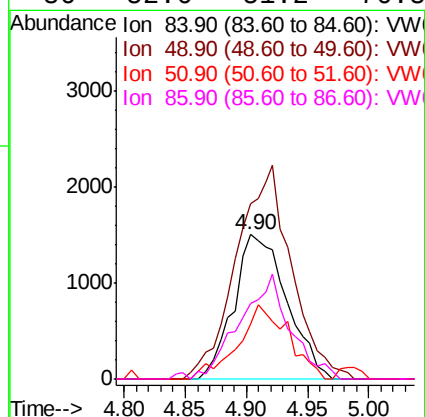
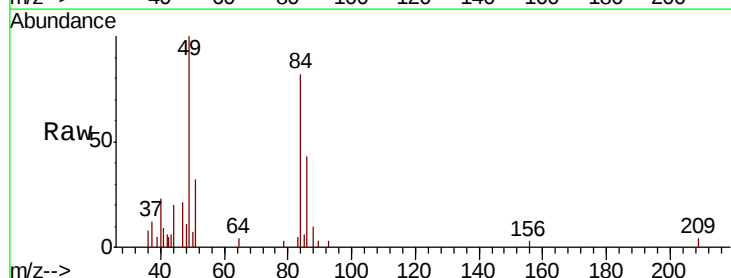
Ion Ratio Lower Upper

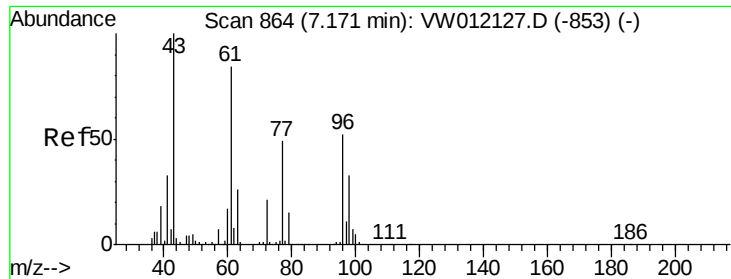
84 100

49 116.7 117.8 176.8#

51 38.3 35.6 53.4

86 52.6 51.2 76.8





#25

2-Butanone

Concen: 9.823 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW012649.D

Acq: 05 Sep 2019 18:54

Instrument :

MSVOA_W

ClientSampled :

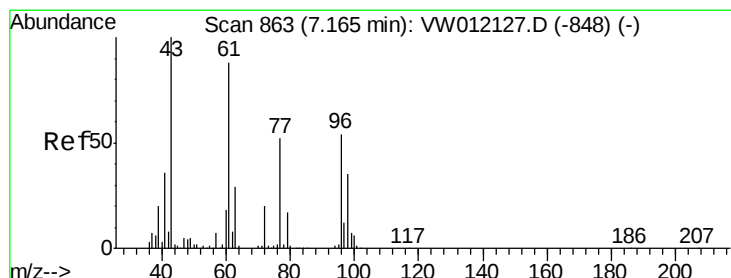
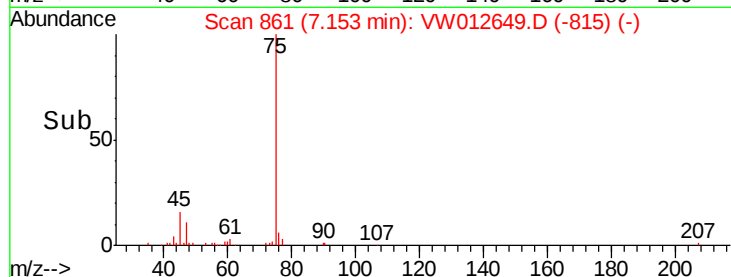
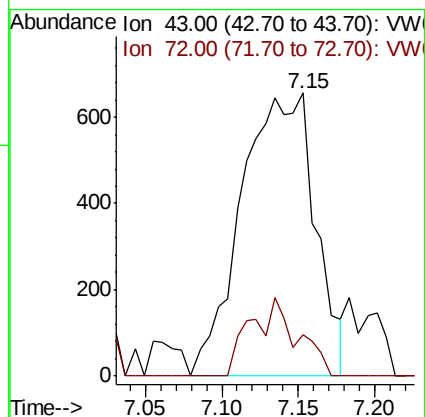
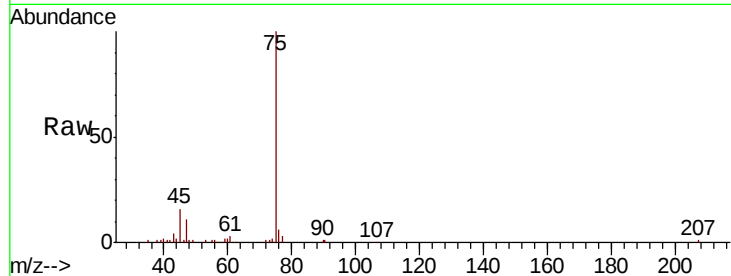
TP-10-D2

Tgt Ion: 43 Resp: 2186

Ion Ratio Lower Upper

43 100

72 14.8 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 3.841 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW012649.D

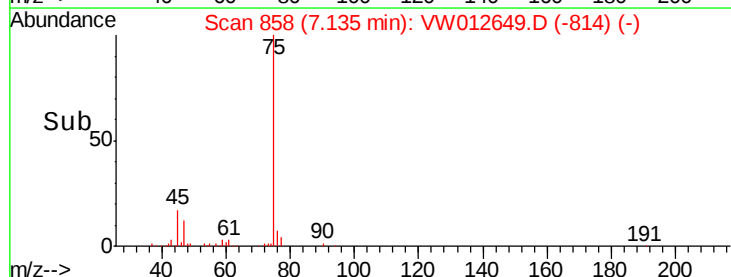
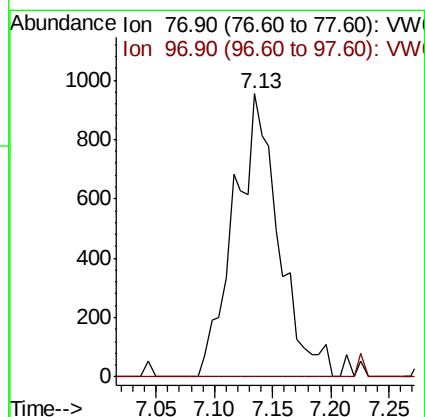
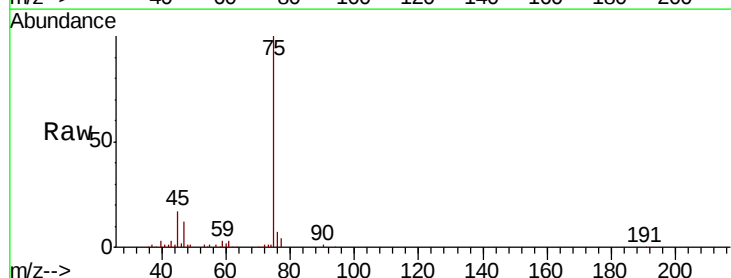
Acq: 05 Sep 2019 18:54

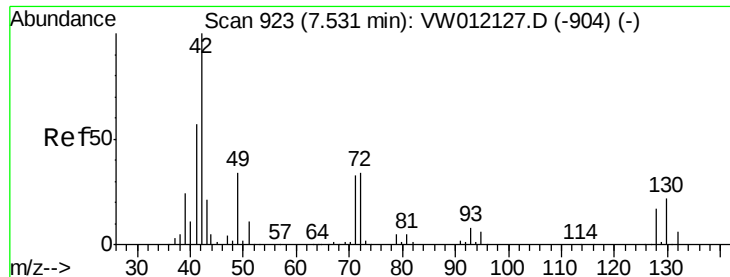
Tgt Ion: 77 Resp: 2536

Ion Ratio Lower Upper

77 100

97 0.0 11.1 33.1#





#29

Tetrahydrofuran

Concen: 1.655 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012649.D

Acq: 05 Sep 2019 18:54

Instrument :

MSVOA_W

ClientSampled :

TP-10-D2

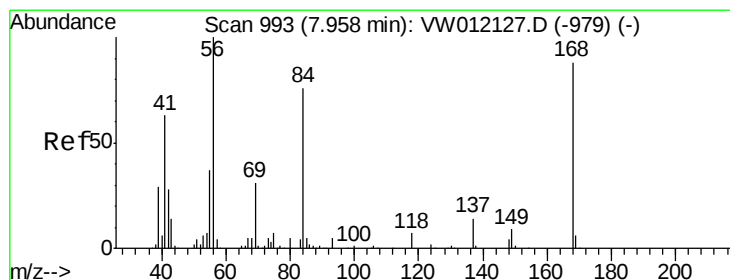
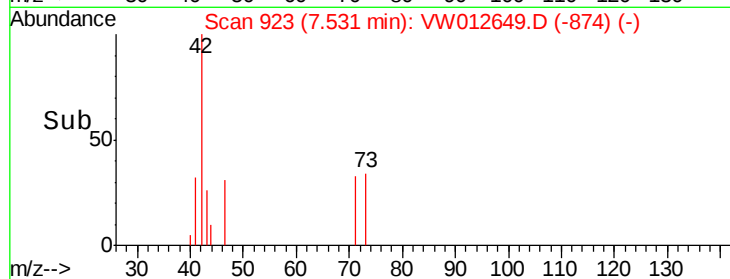
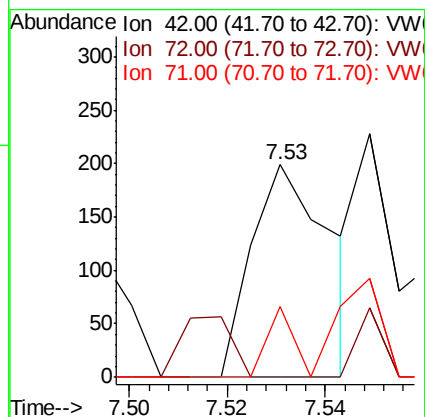
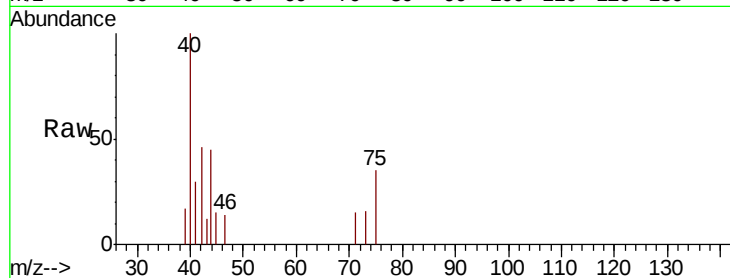
Tgt Ion: 42 Resp: 221

Ion Ratio Lower Upper

42 100

72 18.6 27.3 40.9#

71 0.0 25.5 38.3#



#31

Cyclohexane

Concen: 1.263 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012649.D

Acq: 05 Sep 2019 18:54

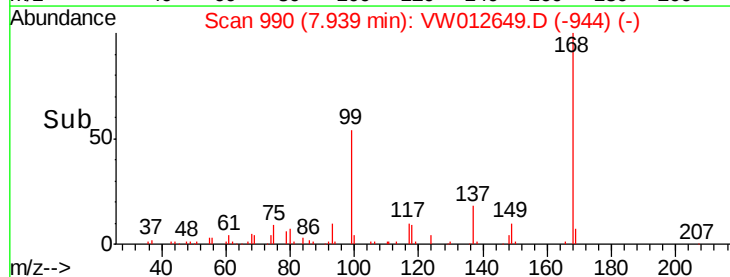
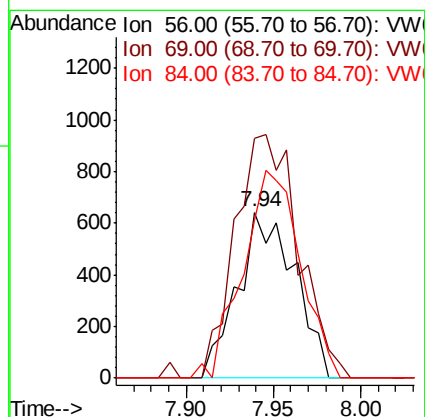
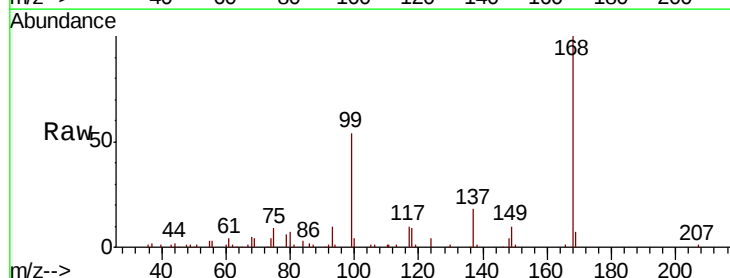
Tgt Ion: 56 Resp: 1458

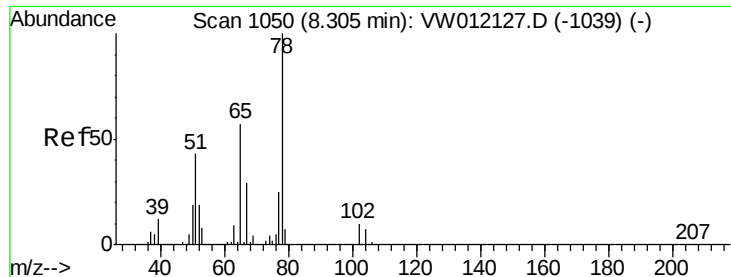
Ion Ratio Lower Upper

56 100

69 144.5 24.9 37.3#

84 94.9 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 53.659 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012649.D

Acq: 05 Sep 2019 18:54

Instrument :

MSVOA_W

ClientSampleId :

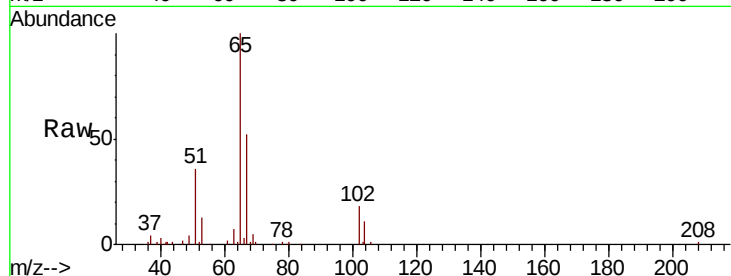
TP-10-D2

Tgt Ion: 65 Resp: 34377

Ion Ratio Lower Upper

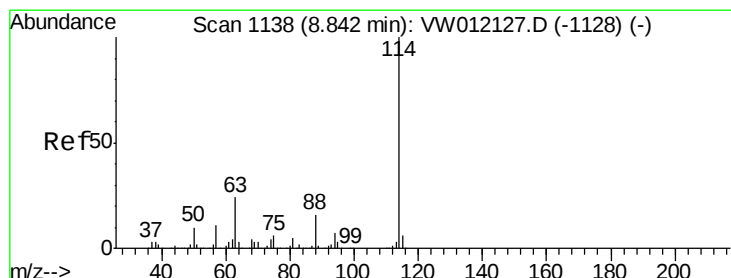
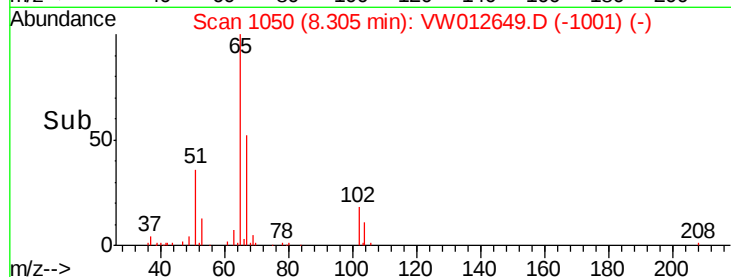
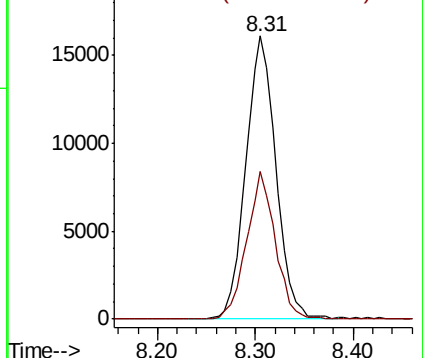
65 100

67 49.7 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: VW012649.D

Acq: 05 Sep 2019 18:54

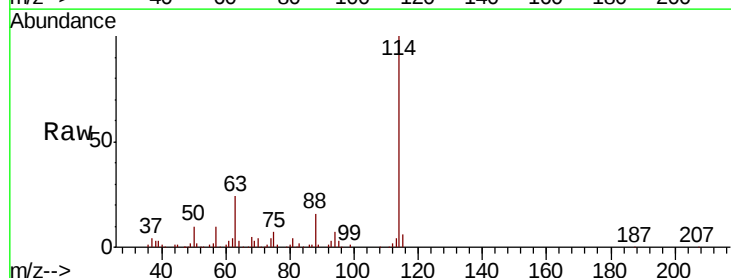
Tgt Ion: 114 Resp: 80655

Ion Ratio Lower Upper

114 100

63 23.5 0.0 48.6

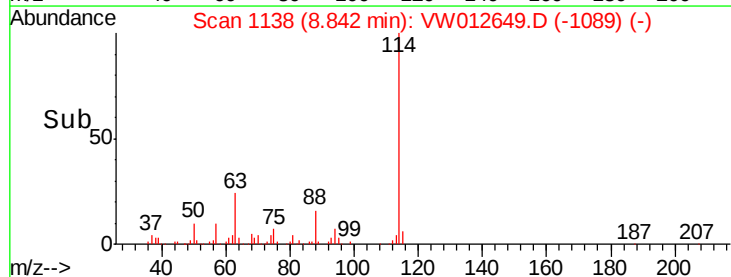
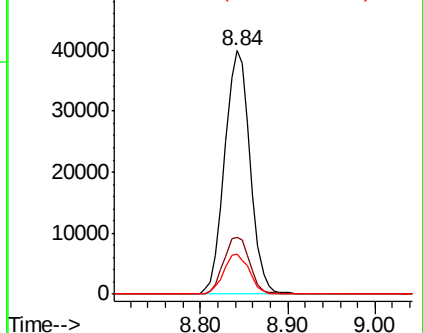
88 16.4 0.0 32.2

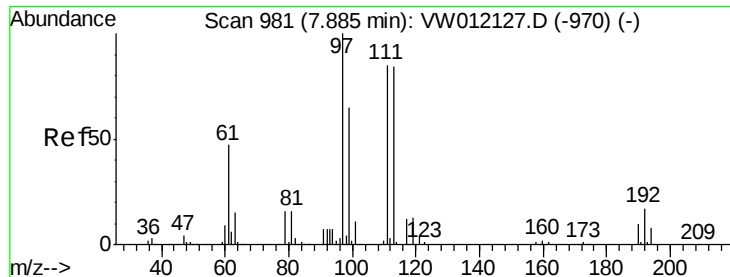


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

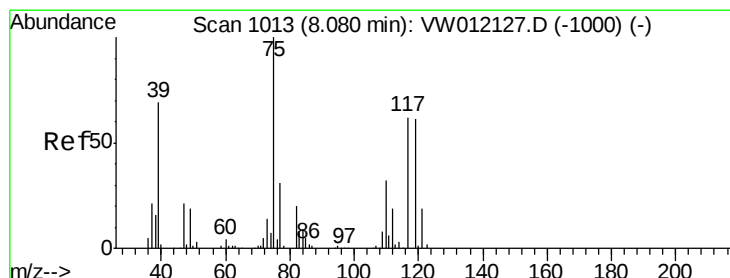
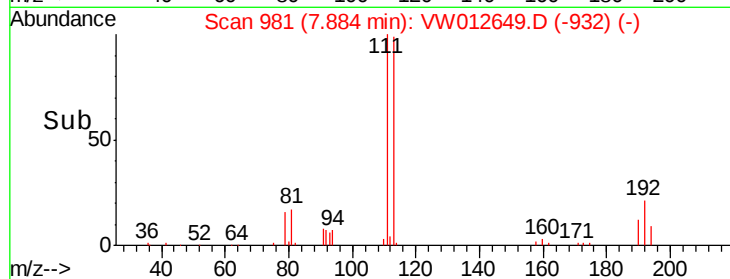
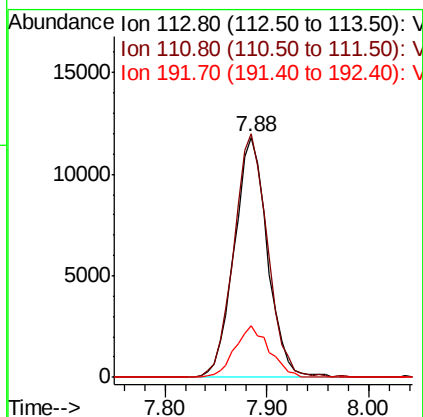
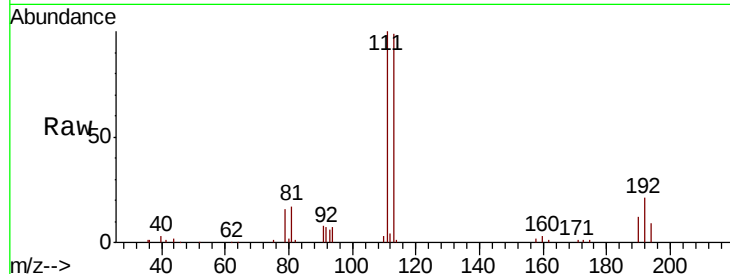




#35
 Dibromofluoromethane
 Concen: 55.208 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012649.D
 Acq: 05 Sep 2019 18:54

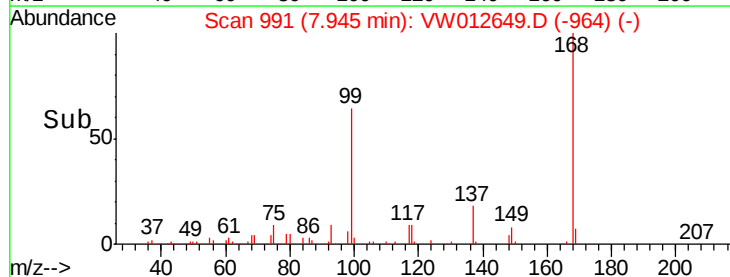
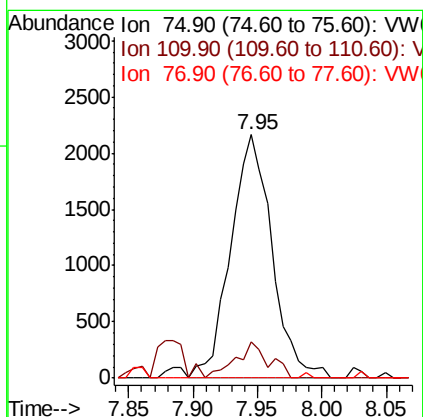
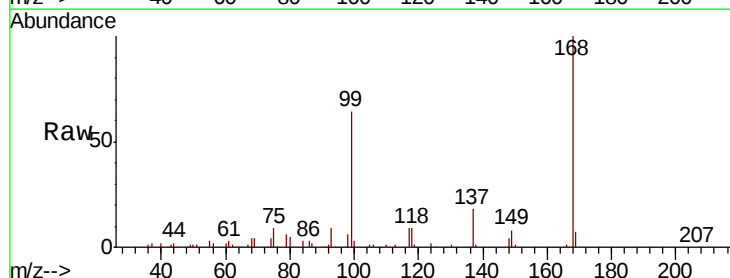
Instrument :
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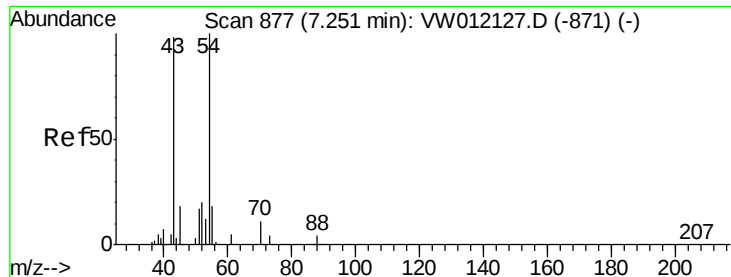
Tgt Ion: 113 Resp: 26579
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.7 124.1
 192 22.2 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.784 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012649.D
 Acq: 05 Sep 2019 18:54

Tgt Ion: 75 Resp: 4821
 Ion Ratio Lower Upper
 75 100
 110 12.0 15.6 46.8#
 77 0.0 24.6 36.8#

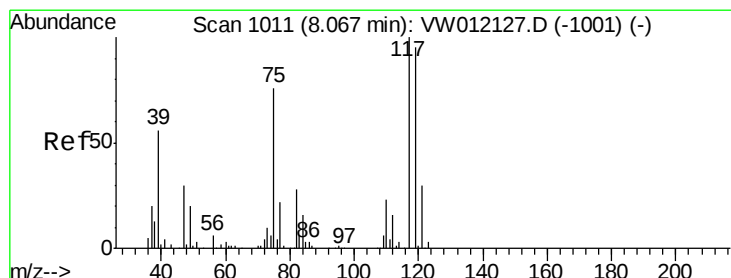
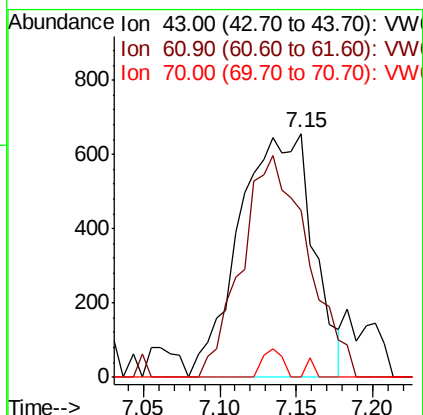
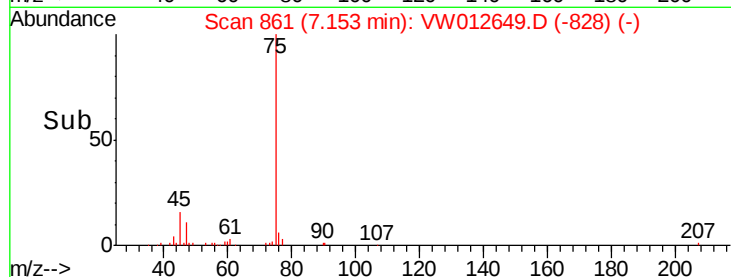
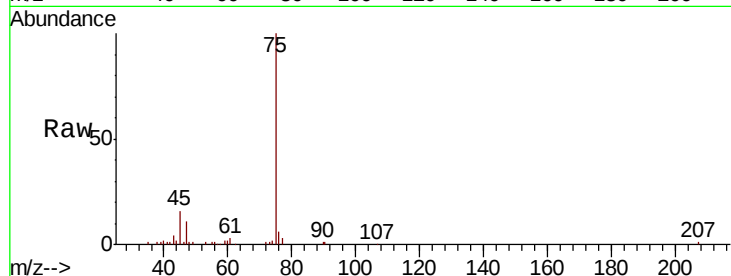




#37
Ethyl Acetate
Concen: 4.786 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.10 min
Lab File: VW012649.D
Acq: 05 Sep 2019 18:54

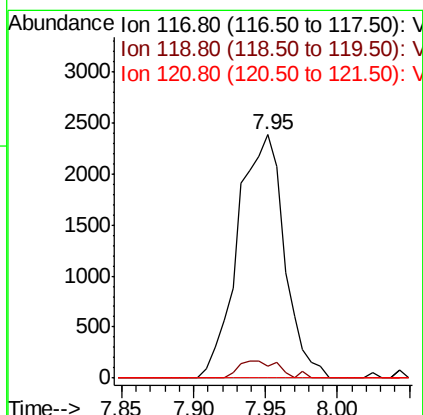
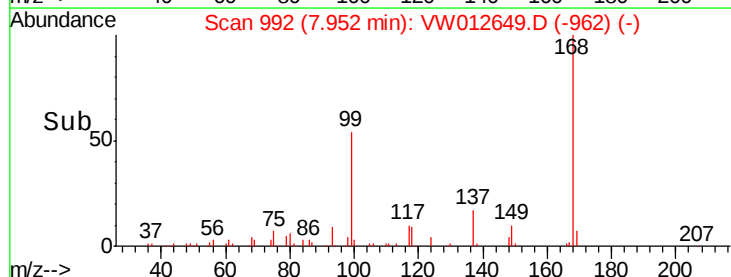
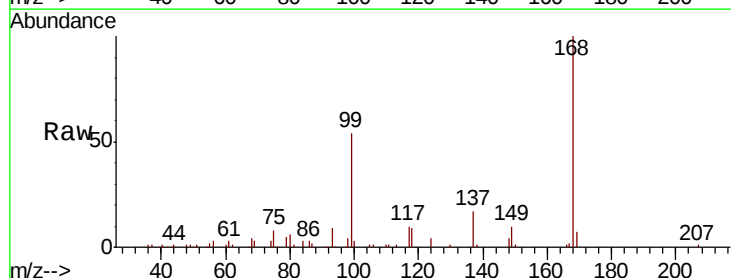
Instrument :
MSVOA_W
ClientSampleId :
TP-10-D2

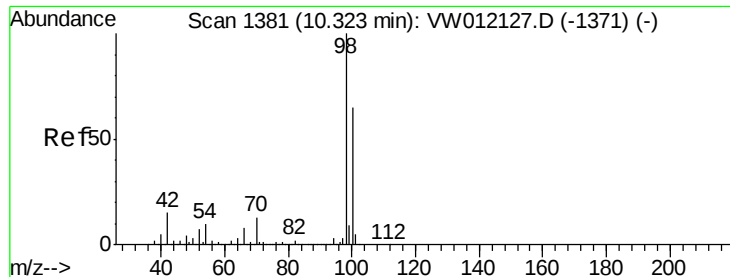
Tgt Ion: 43 Resp: 2186
Ion Ratio Lower Upper
43 100
61 0.0 9.2 13.8#
70 0.9 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 7.411 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW012649.D
Acq: 05 Sep 2019 18:54

Tgt Ion: 117 Resp: 5346
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 52.004 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012649.D

Acq: 05 Sep 2019 18:54

Instrument :

MSVOA_W

ClientSampleId :

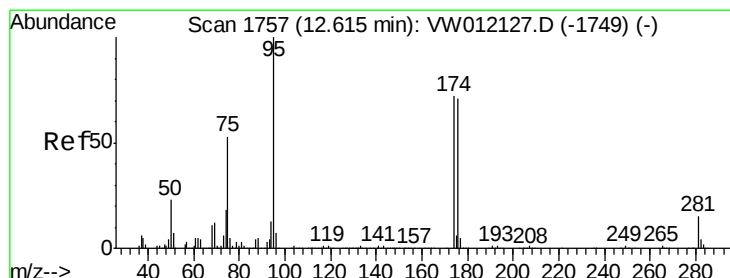
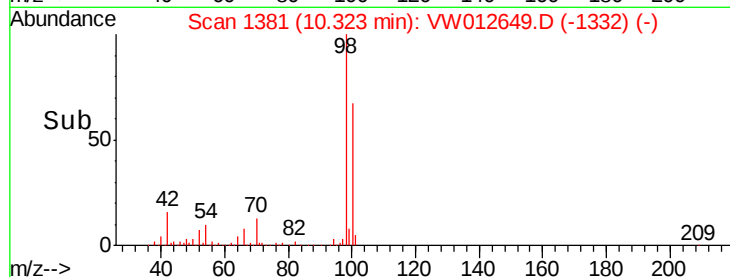
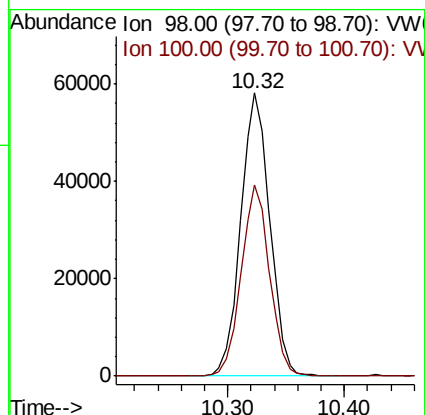
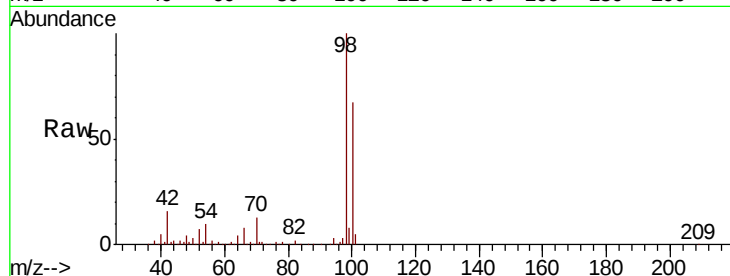
TP-10-D2

Tgt Ion: 98 Resp: 101515

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.131 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012649.D

Acq: 05 Sep 2019 18:54

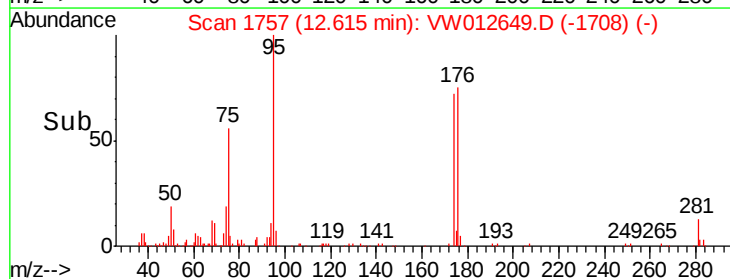
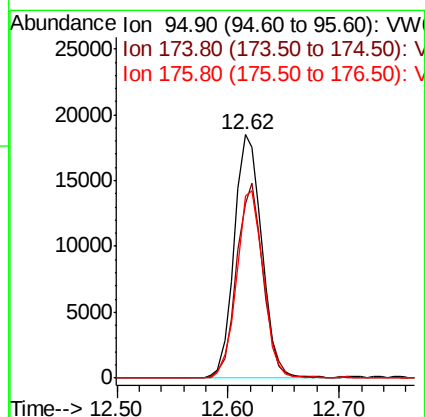
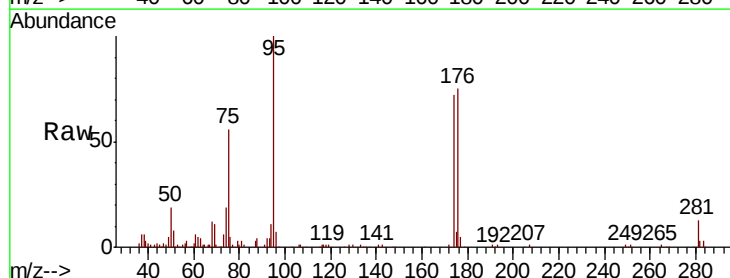
Tgt Ion: 95 Resp: 31743

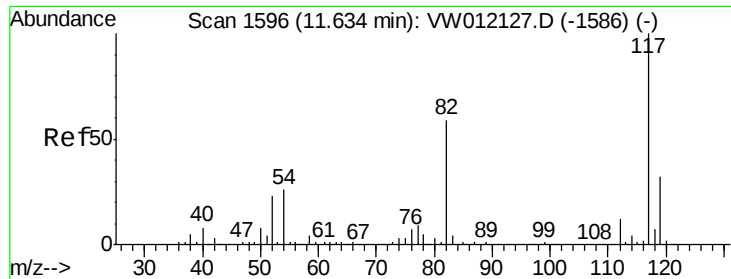
Ion Ratio Lower Upper

95 100

174 76.8 0.0 150.8

176 74.3 0.0 148.6

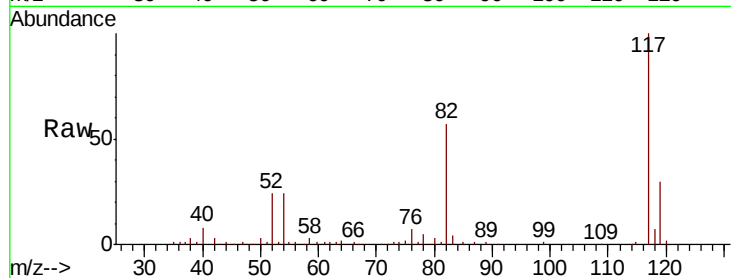




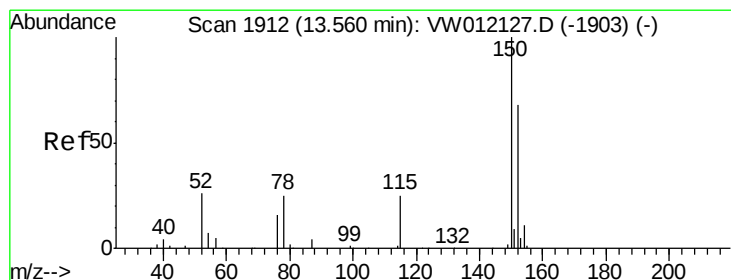
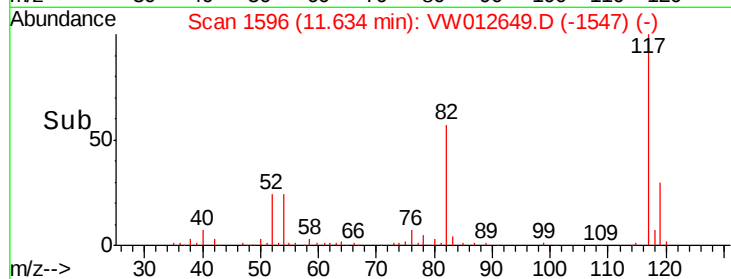
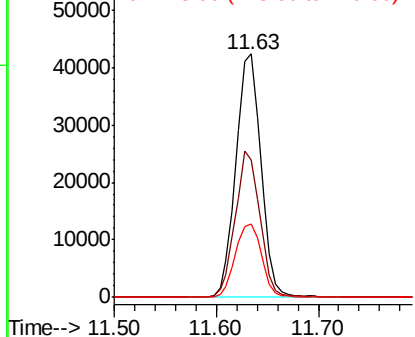
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012649.D
Acq: 05 Sep 2019 18:54

Instrument :
MSVOA_W
ClientSampled :
TP-10-D2

Tgt Ion:117 Resp: 72075
Ion Ratio Lower Upper
117 100
82 56.5 47.4 71.2
119 29.9 25.4 38.2

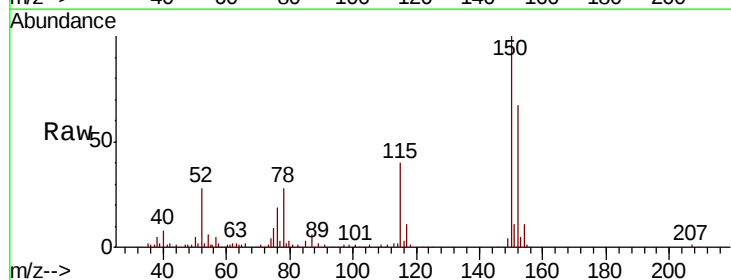


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

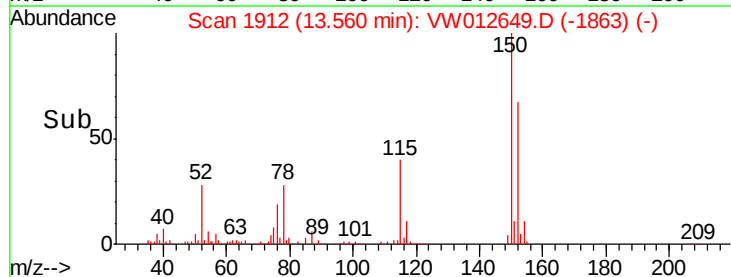
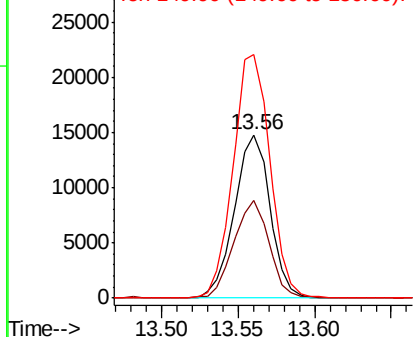


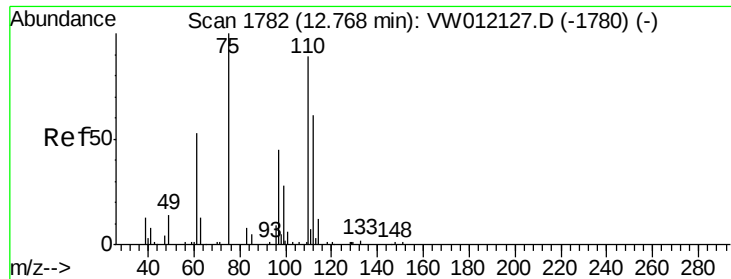
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012649.D
Acq: 05 Sep 2019 18:54

Tgt Ion:152 Resp: 23802
Ion Ratio Lower Upper
152 100
115 59.8 30.1 90.3
150 155.1 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: 74.383 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012649.D

Acq: 05 Sep 2019 18:54

Instrument :

MSVOA_W

ClientSampleId :

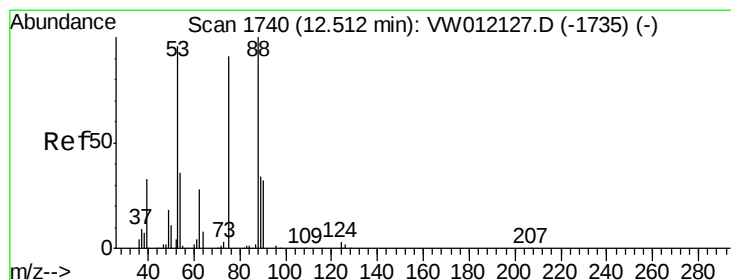
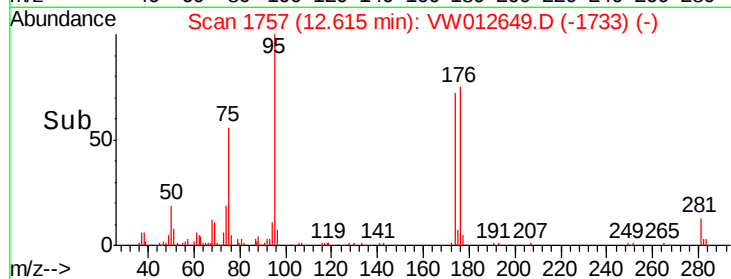
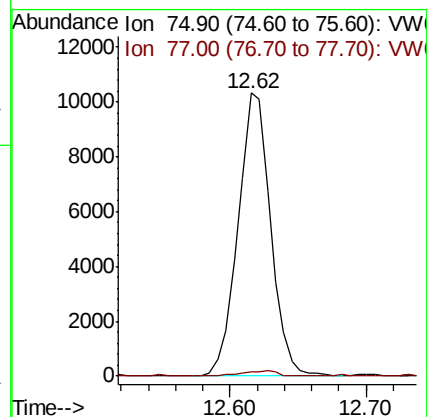
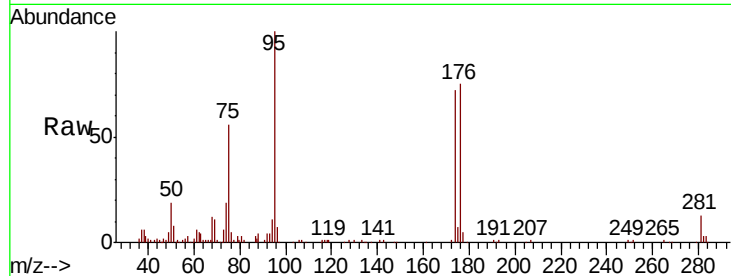
TP-10-D2

Tgt Ion: 75 Resp: 17243

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 163.087 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012649.D

Acq: 05 Sep 2019 18:54

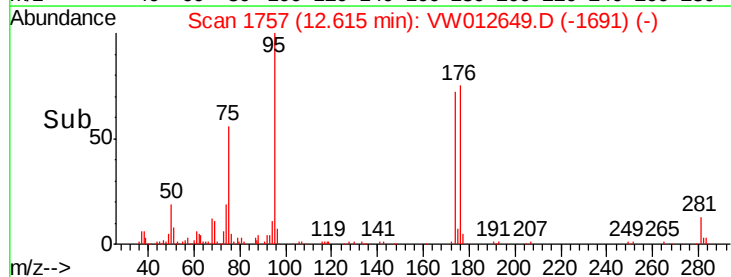
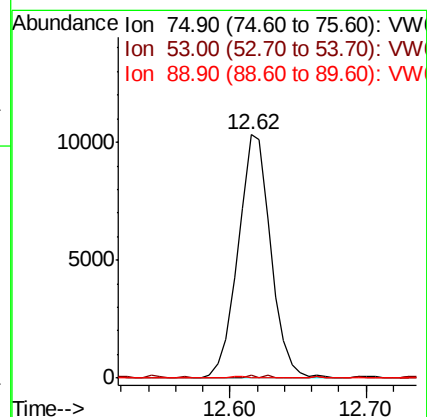
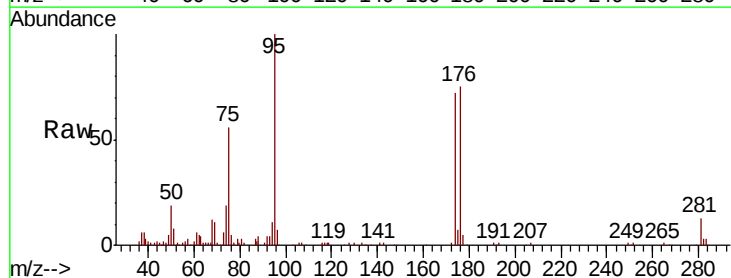
Tgt Ion: 75 Resp: 17243

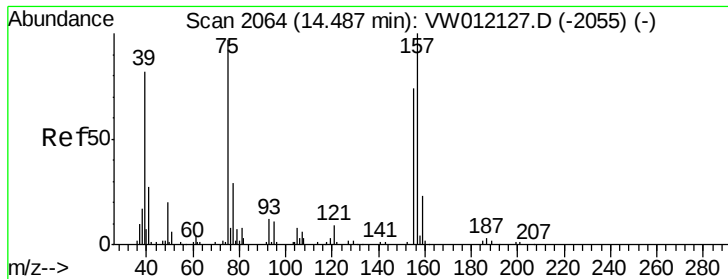
Ion Ratio Lower Upper

75 100

53 0.6 89.4 134.0#

89 0.4 34.5 51.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.052 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012649.D

Acq: 05 Sep 2019 18:54

Instrument :

MSVOA_W

ClientSampled :

TP-10-D2

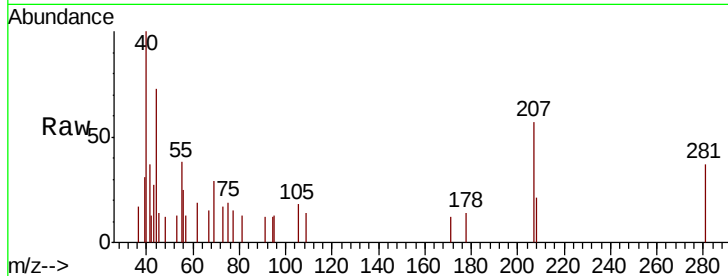
Tgt Ion: 75 Resp: 58

Ion Ratio Lower Upper

75 100

155 0.0 37.5 112.3#

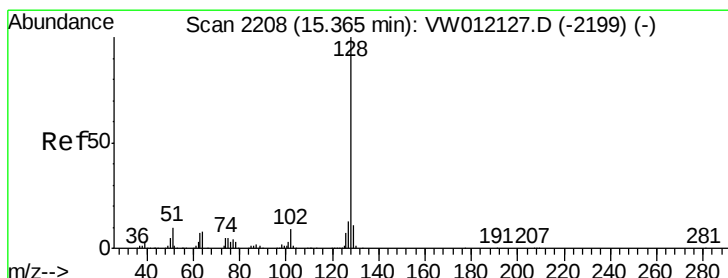
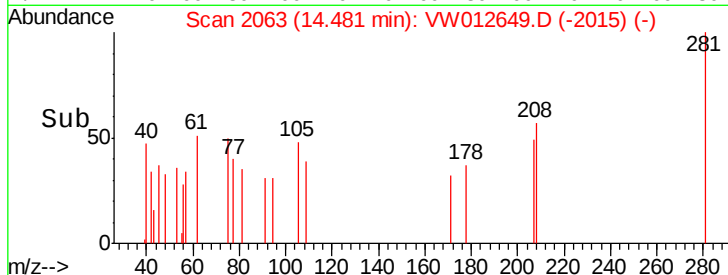
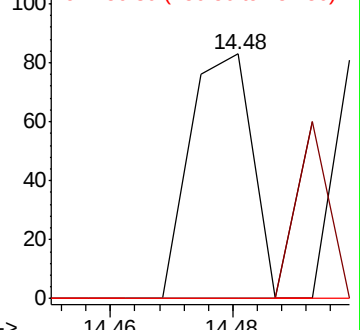
157 0.0 50.5 151.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 4.370 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012649.D

Acq: 05 Sep 2019 18:54

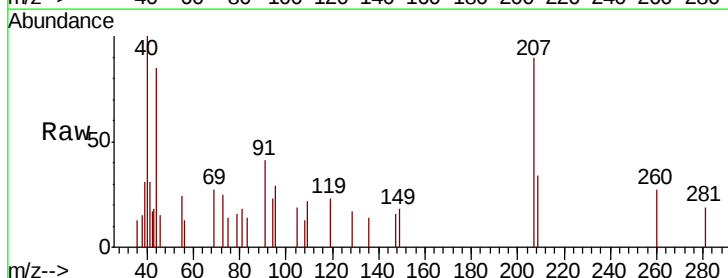
Tgt Ion: 128 Resp: 48

Ion Ratio Lower Upper

128 100

127 0.0 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

