

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041819\
 Data File : VW010048.D
 Acq On : 18 Apr 2019 16:34
 Operator : SY/VA
 Sample : K2411-02RE
 Misc : 6.40G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-16-S2RE

Quant Time: Apr 18 17:10:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 11:26:35 2019
 Response via : Initial Calibration

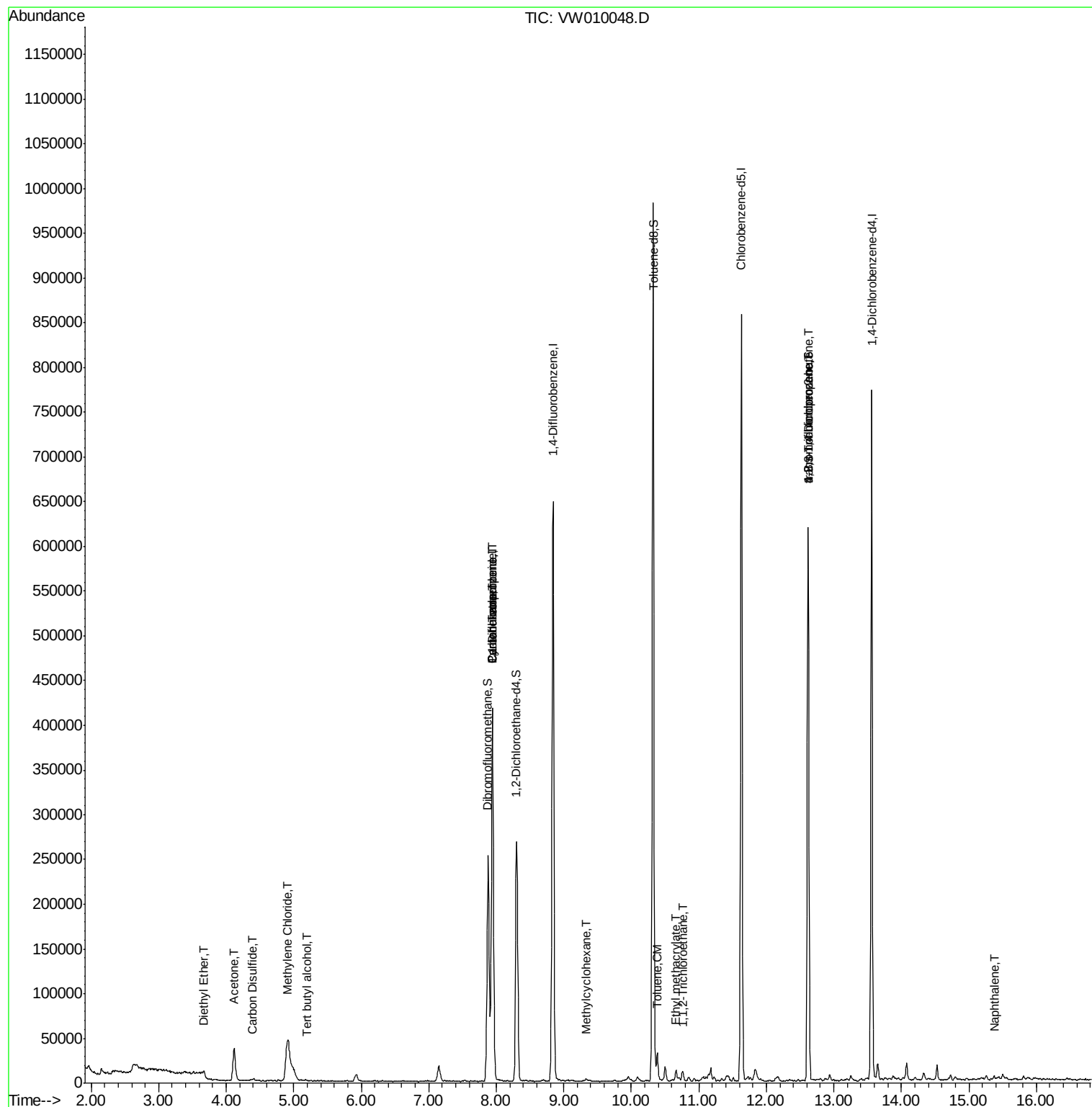
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	282891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	503830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	452691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	182955	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	215330	61.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.36%	
35) Dibromofluoromethane	7.88	113	172165	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
50) Toluene-d8	10.32	98	598560	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.62	95	189632	43.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.92%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	4090	2.836	ug/l	87
11) Tert butyl alcohol	5.20	59	1304	6.558	ug/l #	71
16) Acetone	4.12	43	62690	77.396	ug/l	96
17) Carbon Disulfide	4.38	76	54	1.346	ug/l #	74
20) Methylene Chloride	4.91	84	46390	11.407	ug/l	91
31) Cyclohexane	7.95	56	7813	1.384	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	26515	5.152	ug/l #	50
38) Carbon Tetrachloride	7.95	117	30754	6.123	ug/l #	17
39) Methylcyclohexane	9.34	83	1282	1.397	ug/l #	72
52) Toluene	10.38	92	11277	1.286	ug/l	98
55) 1,1,2-Trichloroethane	10.76	97	3043	1.137	ug/l #	22
56) Ethyl methacrylate	10.66	69	1396	2.997	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	104126	56.865	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	104126	134.086	ug/l #	6
95) Naphthalene	15.37	128	2664	3.003	ug/l #	88

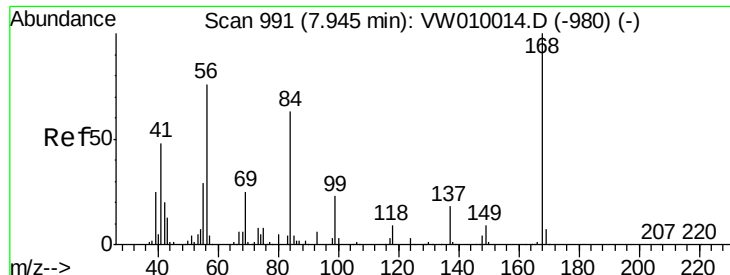
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010048.D

Acq: 18 Apr 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

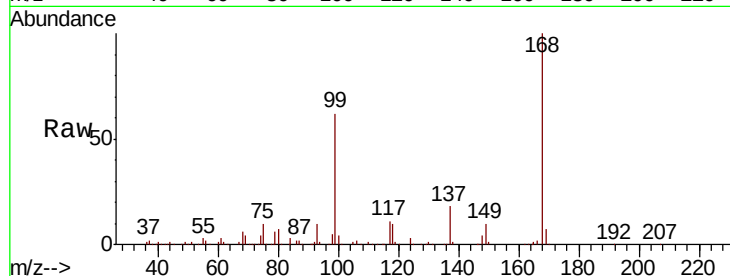
TP-16-S2RE

Tgt Ion:168 Resp: 282891

Ion Ratio Lower Upper

168 100

99 61.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

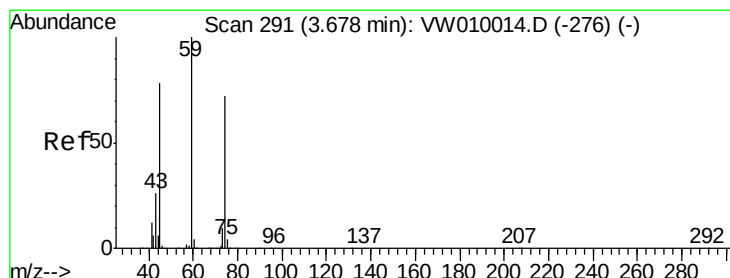
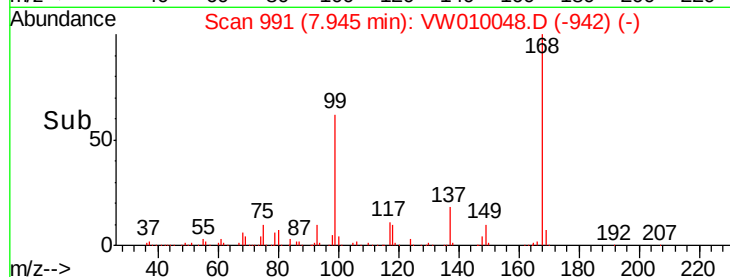
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.836 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW010048.D

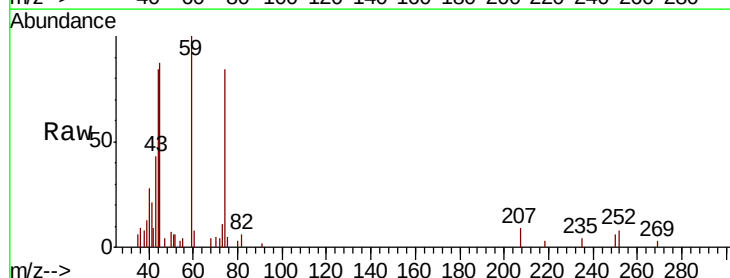
Acq: 18 Apr 2019 16:34

Tgt Ion: 74 Resp: 4090

Ion Ratio Lower Upper

74 100

45 126.4 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

2000

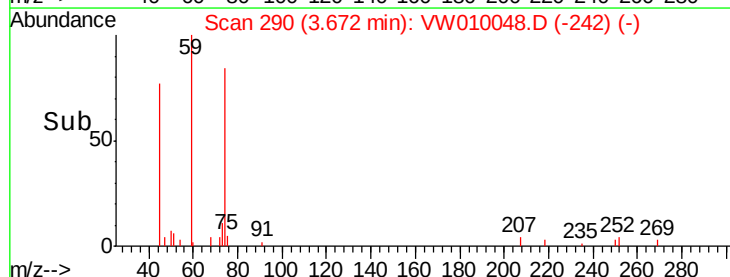
1500

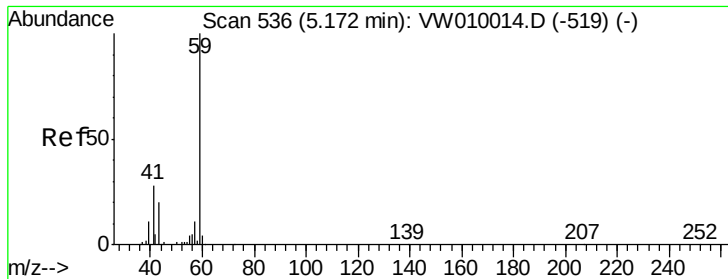
1000

500

0

Time-->

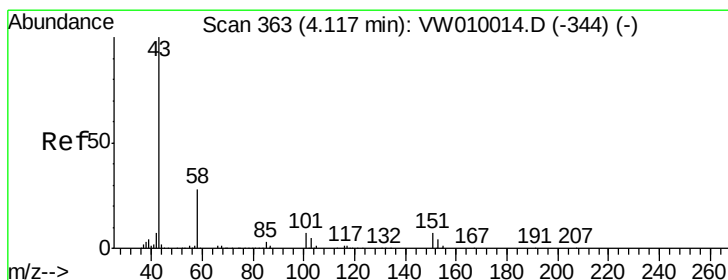
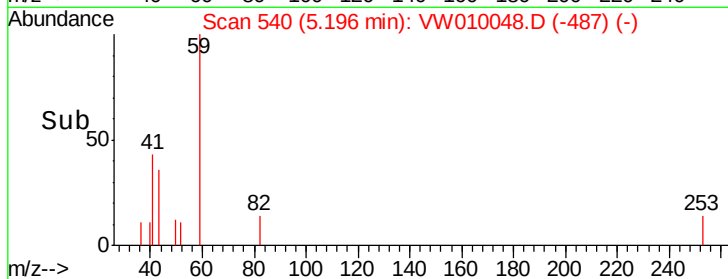
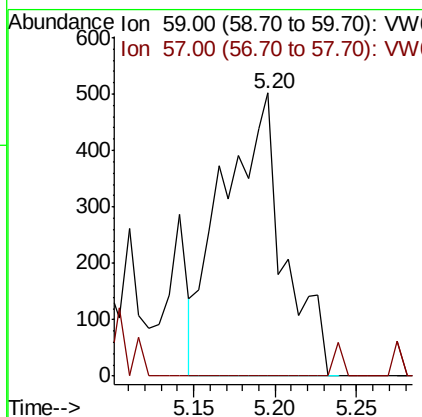
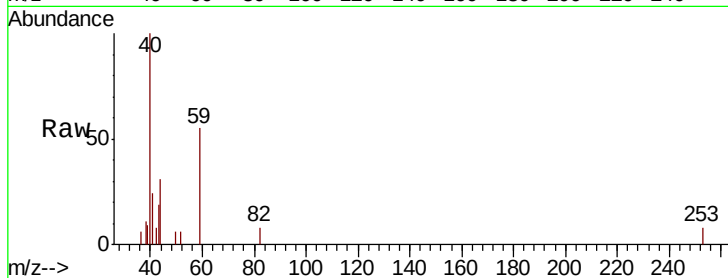




#11
Tert butyl alcohol
Concen: 6.558 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW010048.D
Acq: 18 Apr 2019 16:34

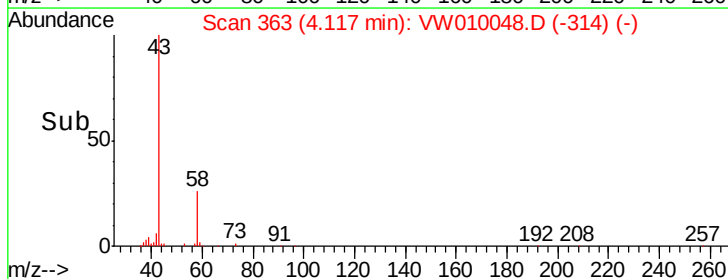
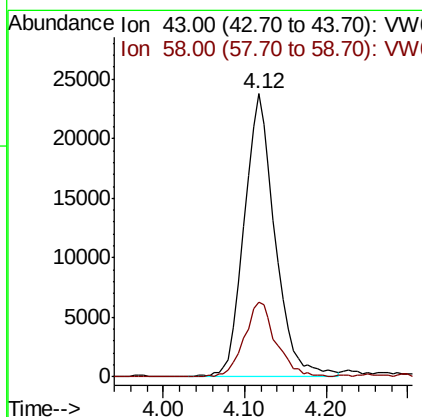
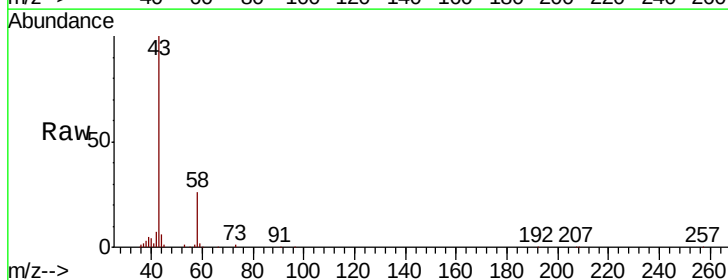
Instrument :
MSVOA_W
ClientSampled :
TP-16-S2RE

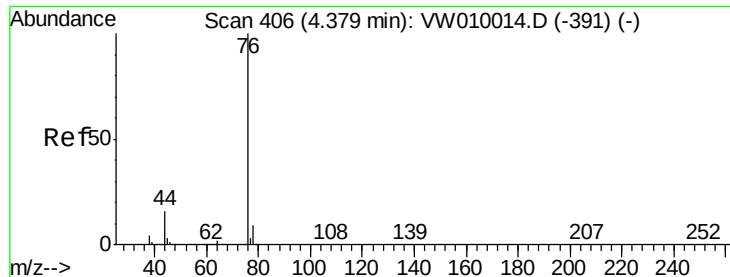
Tgt Ion: 59 Resp: 1304
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 77.396 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW010048.D
Acq: 18 Apr 2019 16:34

Tgt Ion: 43 Resp: 62690
Ion Ratio Lower Upper
43 100
58 26.3 22.7 34.1





#17

Carbon Disulfide

Concen: 1.346 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW010048.D

Acq: 18 Apr 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

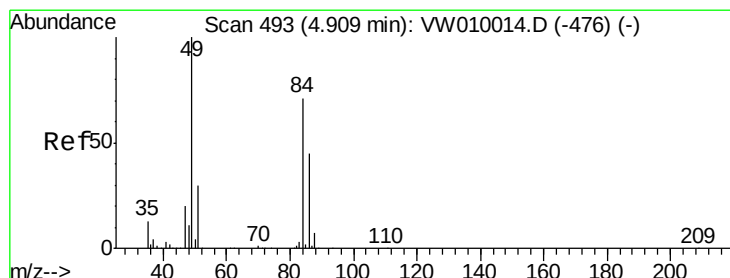
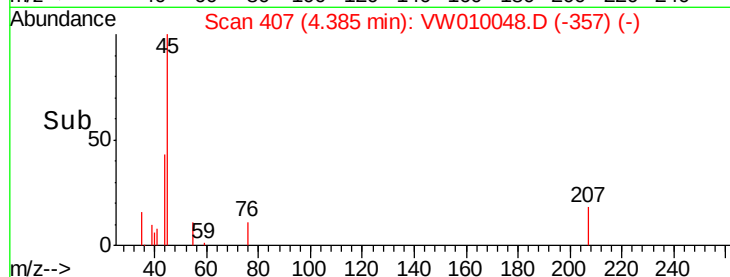
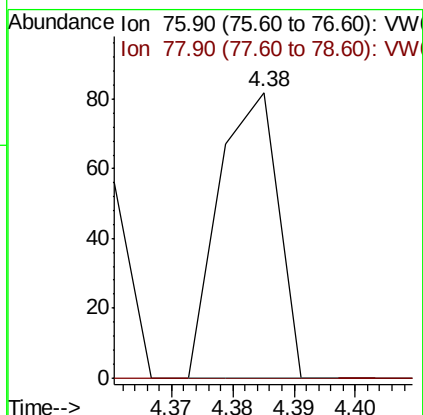
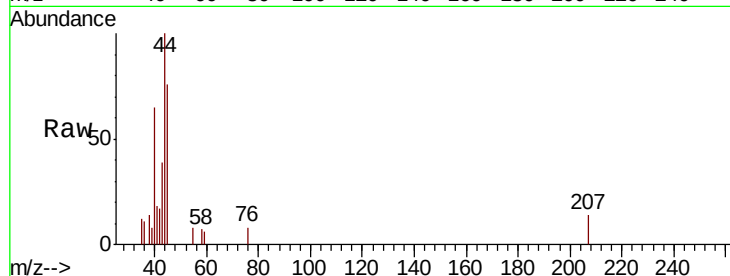
TP-16-S2RE

Tgt Ion: 76 Resp: 54

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



#20

Methylene Chloride

Concen: 11.407 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW010048.D

Acq: 18 Apr 2019 16:34

Tgt Ion: 84 Resp: 46390

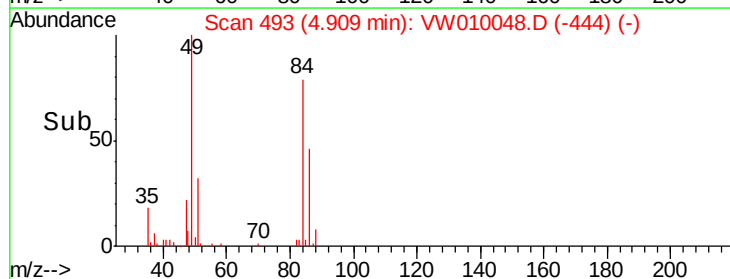
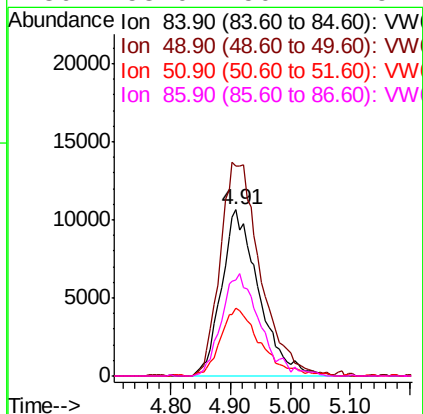
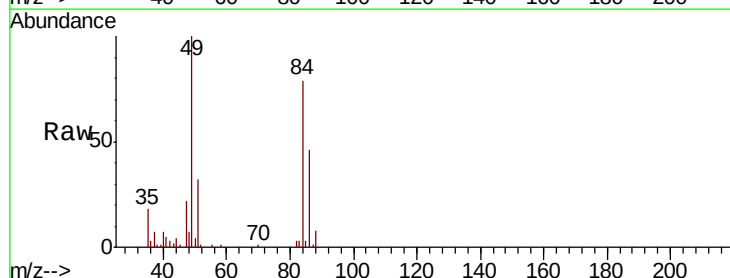
Ion Ratio Lower Upper

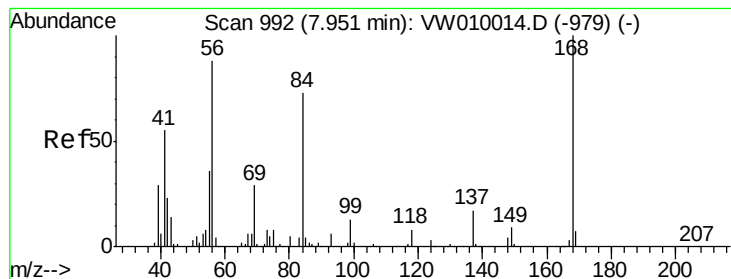
84 100

49 126.6 112.3 168.5

51 40.6 33.9 50.9

86 58.0 50.2 75.4





#31

Cyclohexane

Concen: 1.384 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010048.D

Acq: 18 Apr 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

TP-16-S2RE

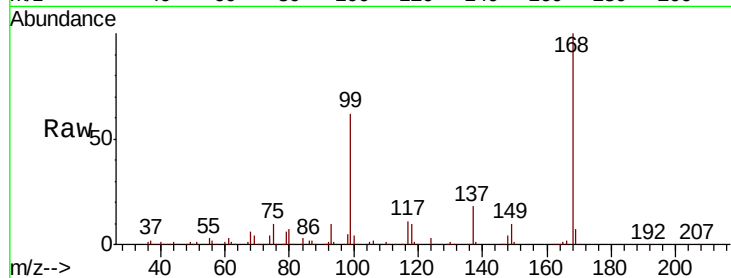
Tgt Ion: 56 Resp: 7813

Ion Ratio Lower Upper

56 100

69 166.0 26.6 40.0#

84 125.9 66.2 99.2#

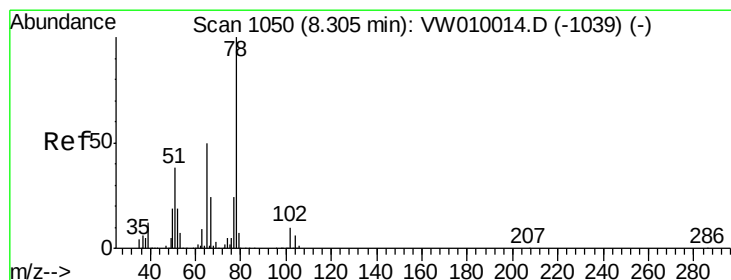
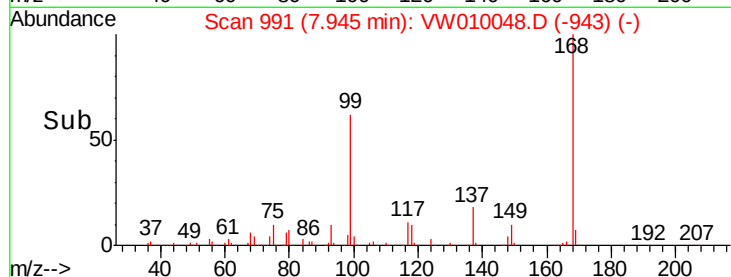
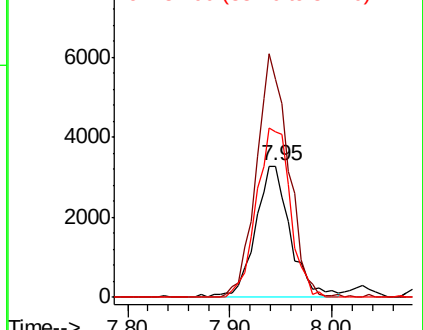


Abundance

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: 61.681 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010048.D

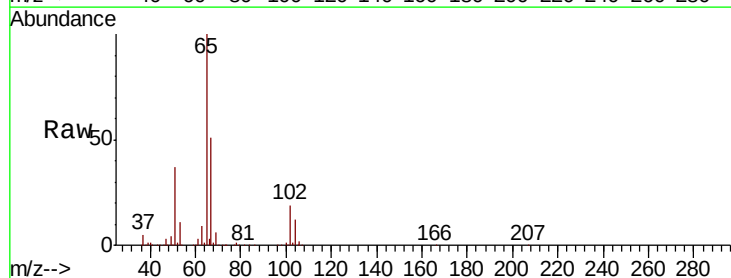
Acq: 18 Apr 2019 16:34

Tgt Ion: 65 Resp: 215330

Ion Ratio Lower Upper

65 100

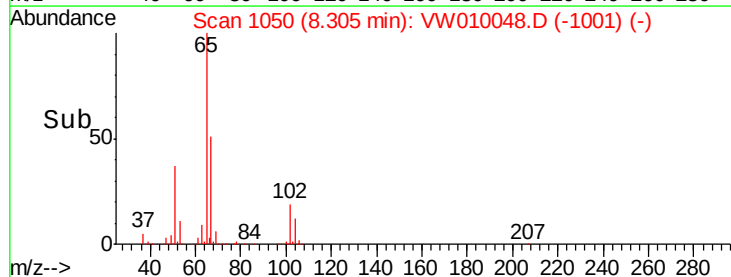
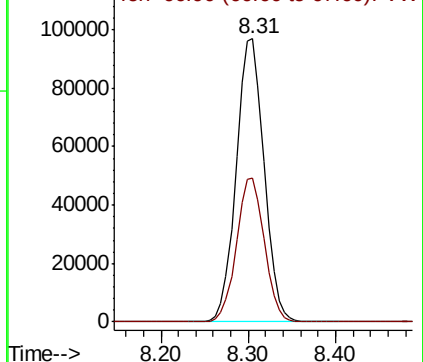
67 50.6 0.0 100.8

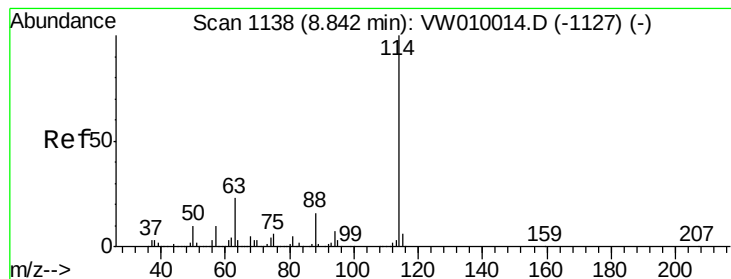


Abundance

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: VW010048.D

Acq: 18 Apr 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

TP-16-S2RE

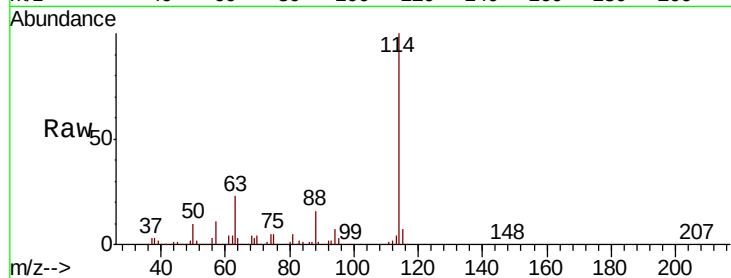
Tgt Ion:114 Resp: 503830

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.2

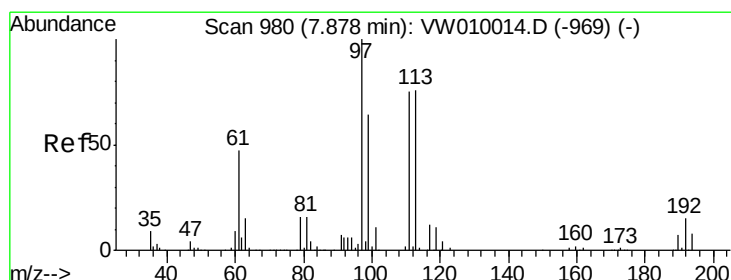
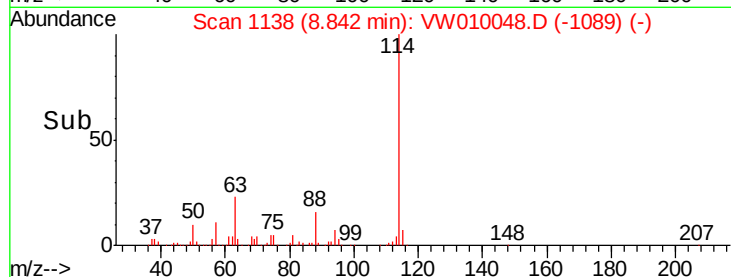
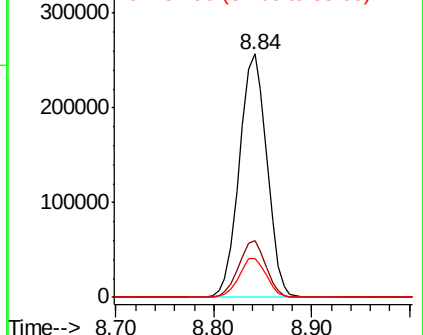
88 15.9 0.0 32.6



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: 53.748 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010048.D

Acq: 18 Apr 2019 16:34

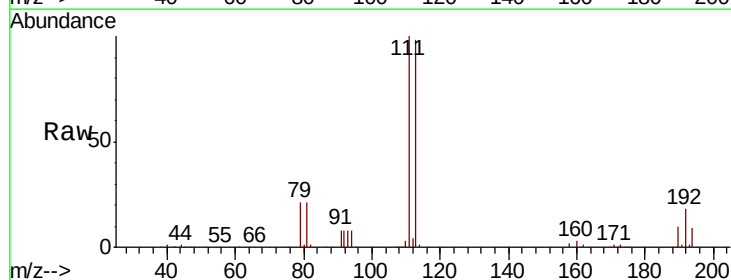
Tgt Ion:113 Resp: 172165

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

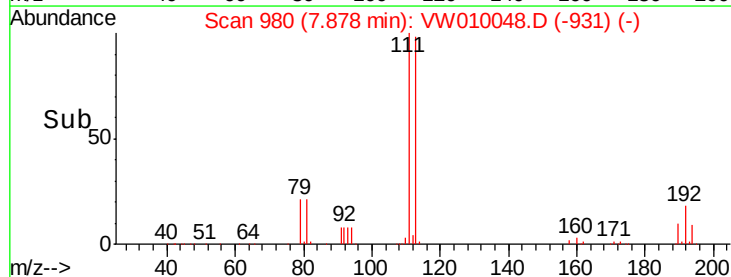
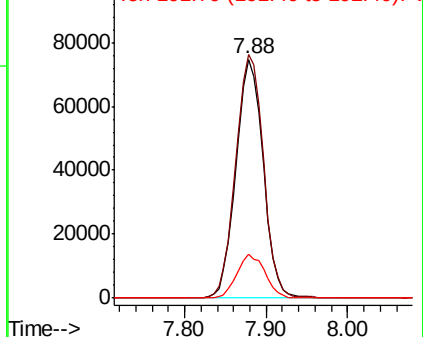
192 18.9 15.4 23.2

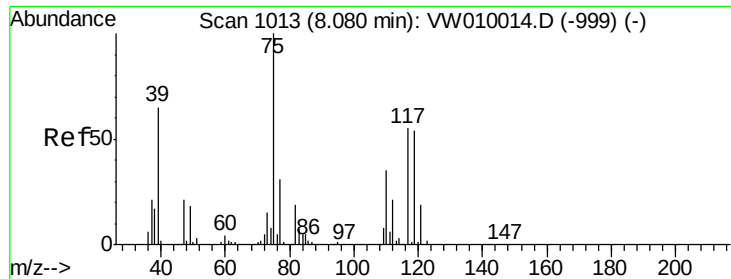


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

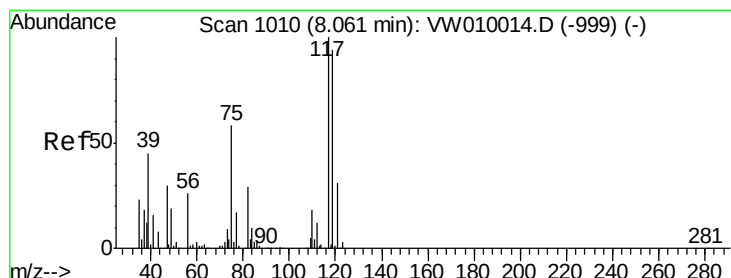
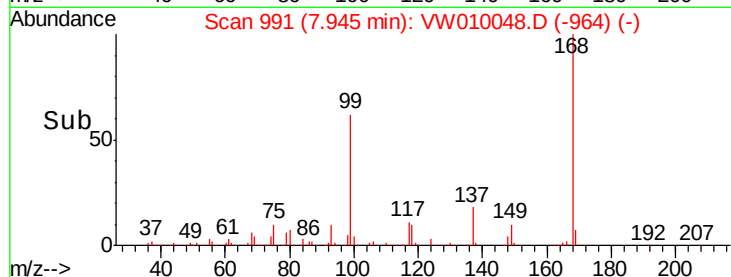
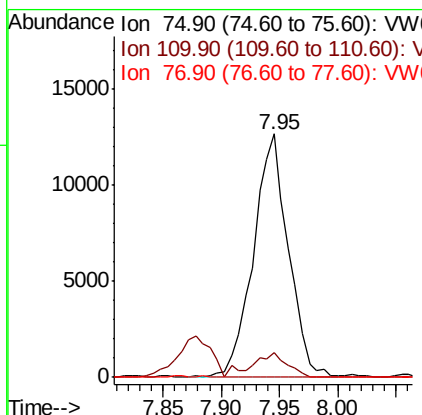
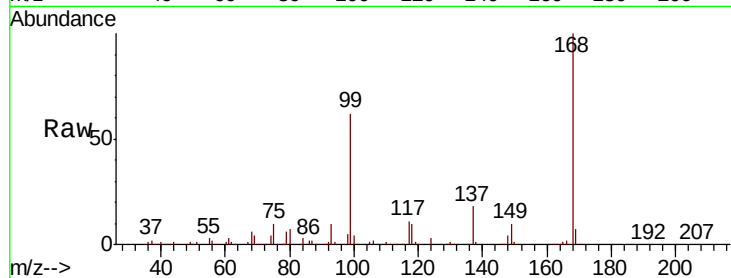




#36
 1,1-Dichloropropene
 Concen: 5.152 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010048.D
 Acq: 18 Apr 2019 16:34

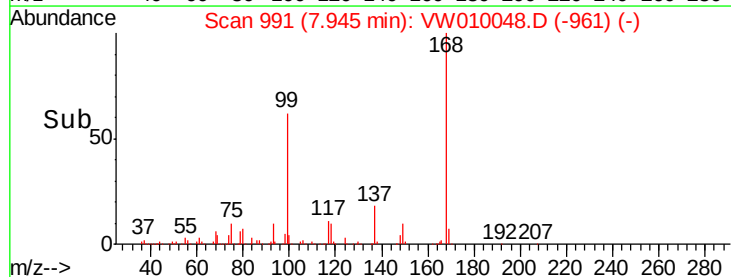
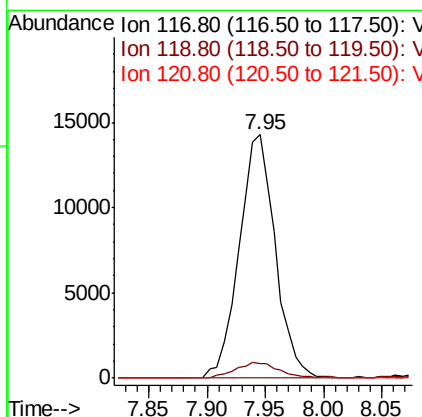
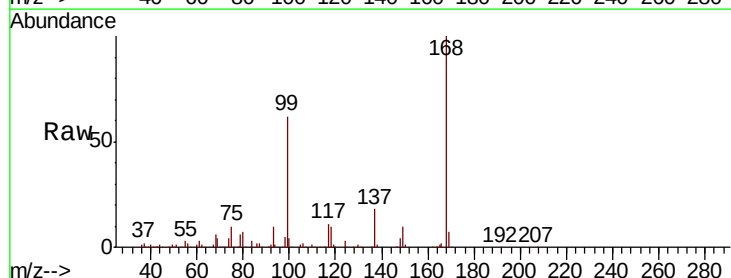
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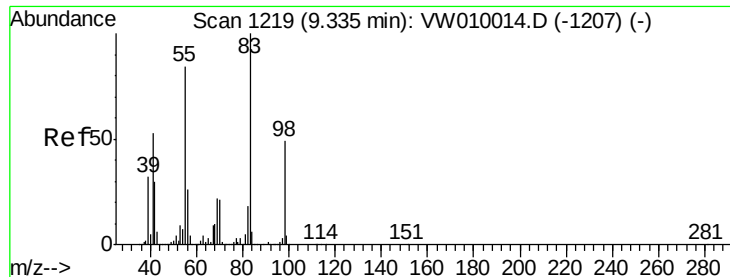
Tgt Ion: 75 Resp: 26515
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.6 49.8#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.123 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010048.D
 Acq: 18 Apr 2019 16:34

Tgt Ion: 117 Resp: 30754
 Ion Ratio Lower Upper
 117 100
 119 5.7 75.3 112.9#
 121 0.0 24.4 36.6#

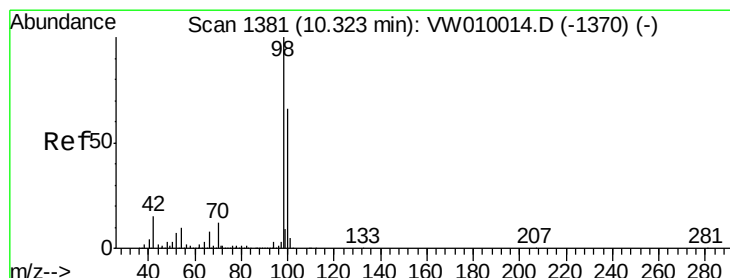
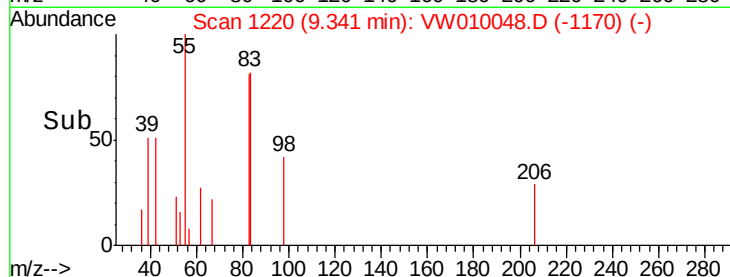
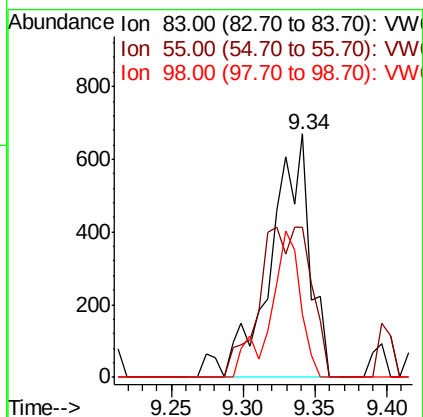
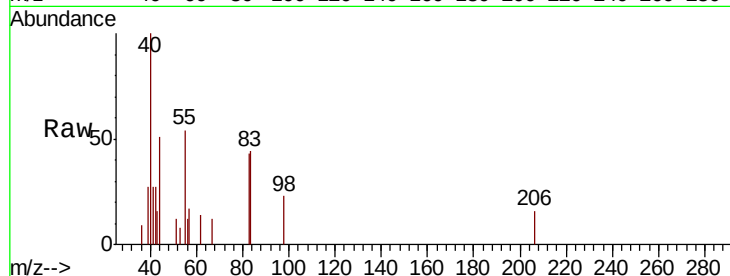




#39
Methylcyclohexane
Concen: 1.397 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW010048.D
Acq: 18 Apr 2019 16:34

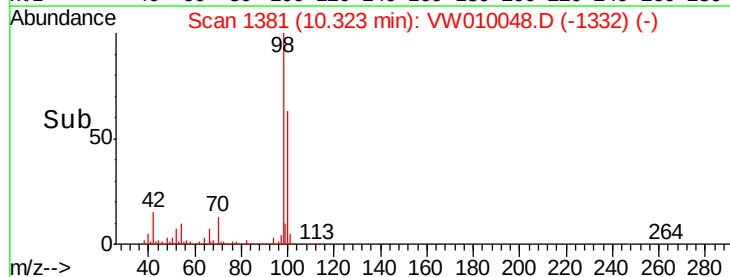
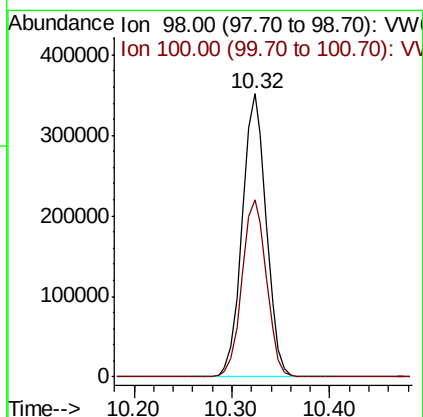
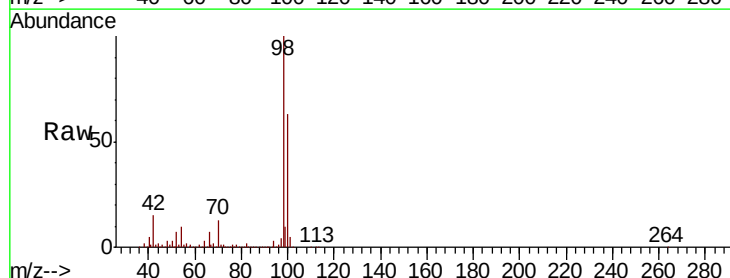
Instrument :
MSVOA_W
ClientSampled :
TP-16-S2RE

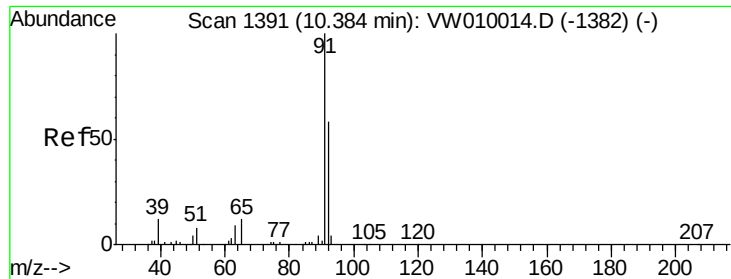
Tgt Ion: 83 Resp: 1282
Ion Ratio Lower Upper
83 100
55 61.5 67.1 100.7#
98 26.1 39.2 58.8#



#50
Toluene-d8
Concen: 49.868 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010048.D
Acq: 18 Apr 2019 16:34

Tgt Ion: 98 Resp: 598560
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5





#52

Toluene

Concen: 1.286 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010048.D

Acq: 18 Apr 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

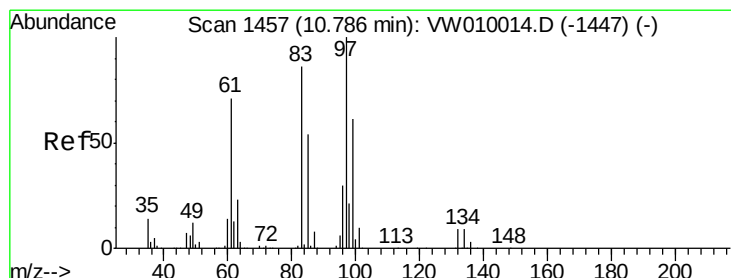
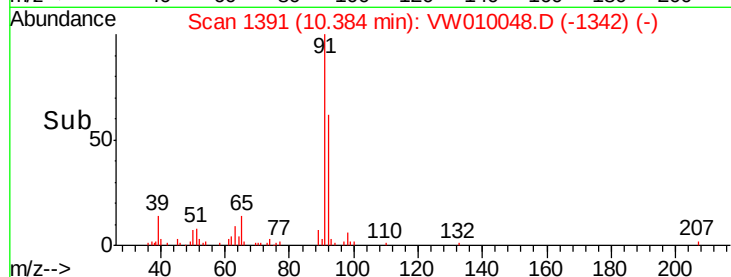
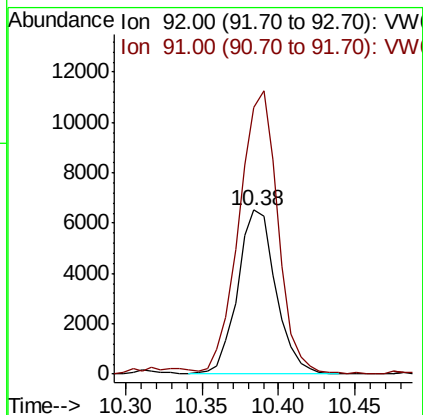
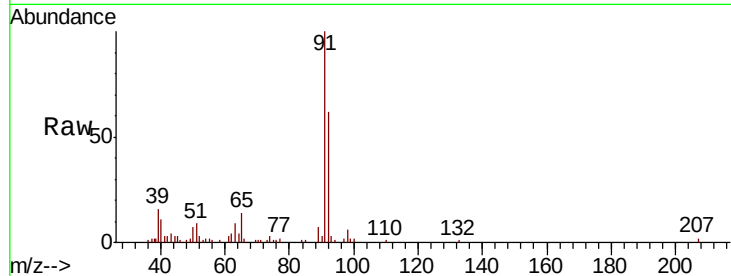
TP-16-S2RE

Tgt Ion: 92 Resp: 11277

Ion Ratio Lower Upper

92 100

91 176.3 138.5 207.7



#55

1,1,2-Trichloroethane

Concen: 1.137 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW010048.D

Acq: 18 Apr 2019 16:34

Tgt Ion: 97 Resp: 3043

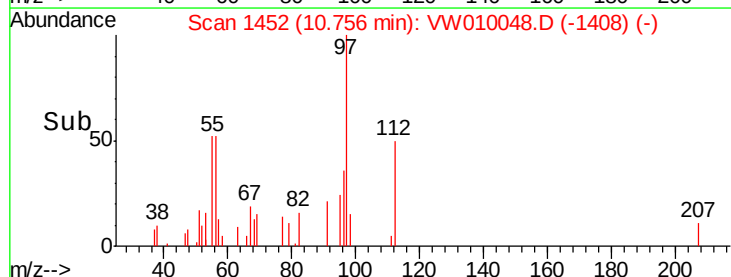
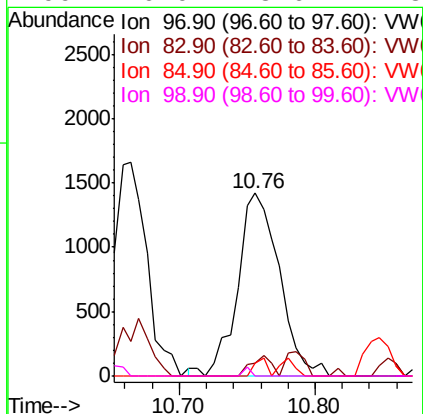
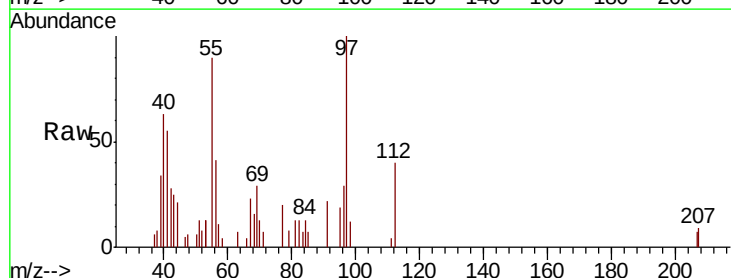
Ion Ratio Lower Upper

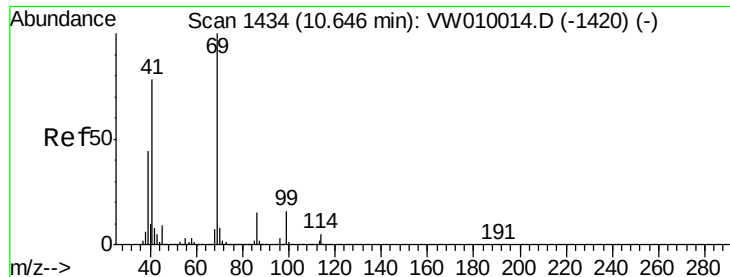
97 100

83 7.2 68.9 103.3#

85 7.1 42.9 64.3#

99 0.0 48.6 72.8#





#56

Ethyl methacrylate

Concen: 2.997 ug/l

RT: 10.66 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VW010048.D

Acq: 18 Apr 2019 16:34

Instrument :

MSVOA_W

ClientSampled :

TP-16-S2RE

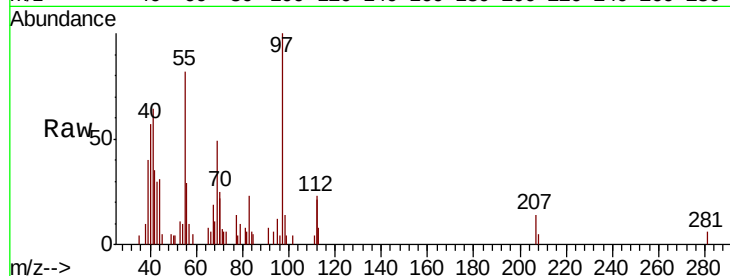
Tgt Ion: 69 Resp: 1396

Ion Ratio Lower Upper

69 100

41 155.7 61.0 91.6#

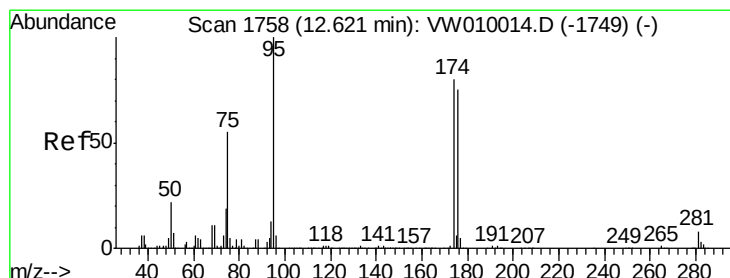
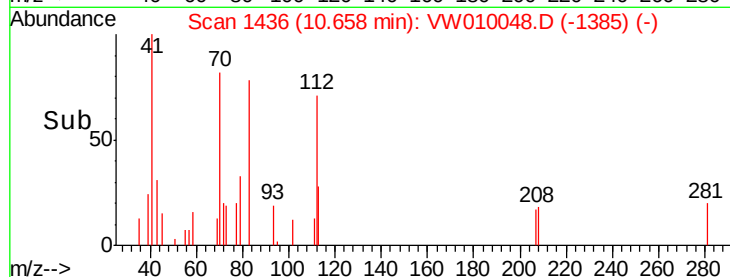
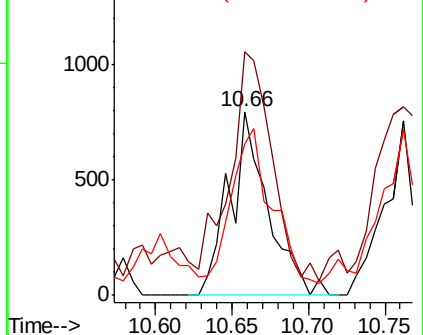
39 86.0 33.8 50.6#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#62

4-Bromofluorobenzene

Concen: 43.464 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010048.D

Acq: 18 Apr 2019 16:34

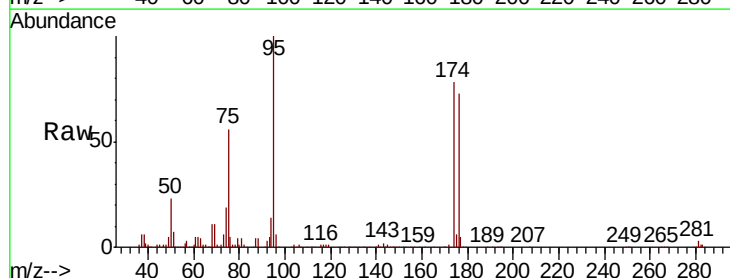
Tgt Ion: 95 Resp: 189632

Ion Ratio Lower Upper

95 100

174 77.1 0.0 151.4

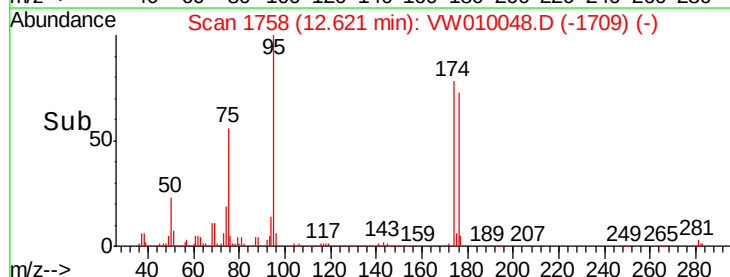
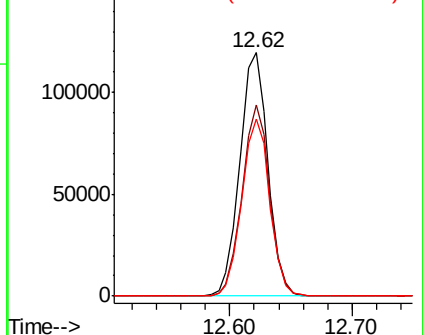
176 72.7 0.0 146.2

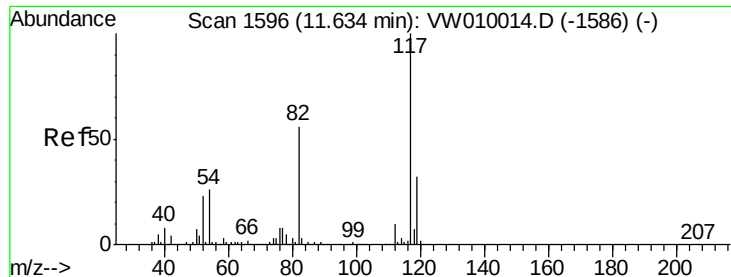


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

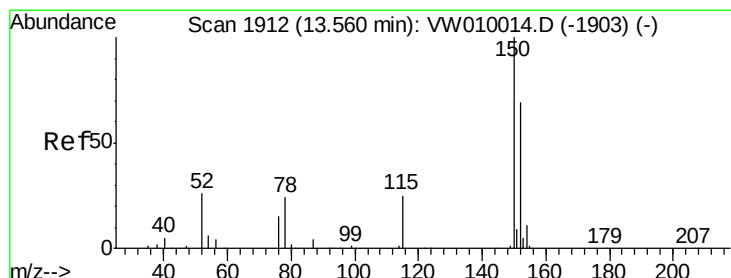
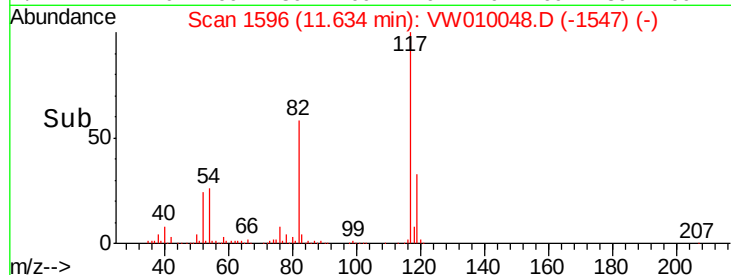
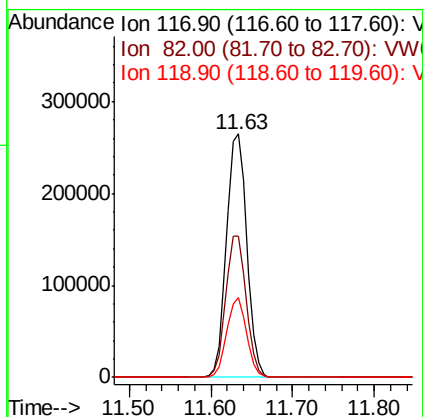
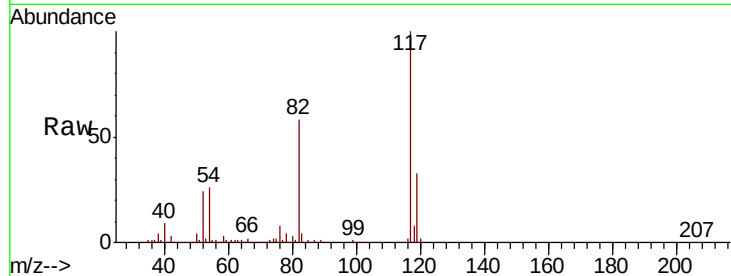




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010048.D
Acq: 18 Apr 2019 16:34

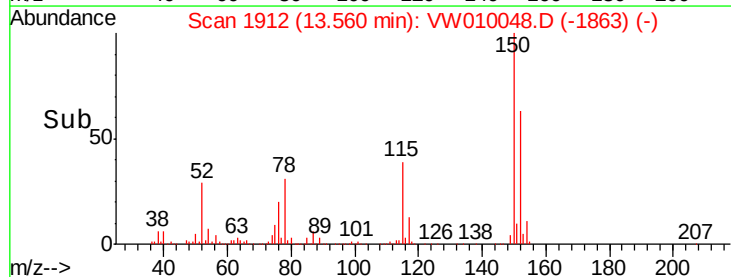
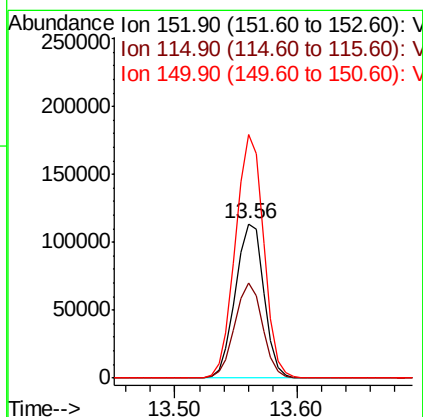
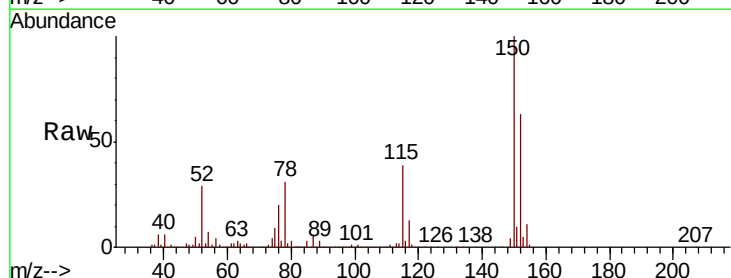
Instrument :
MSVOA_W
ClientSampleId :
TP-16-S2RE

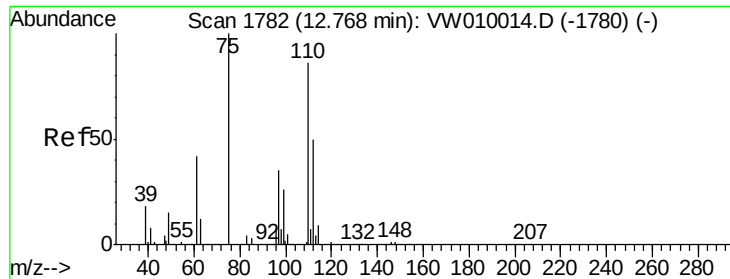
Tgt Ion:117 Resp: 452691
Ion Ratio Lower Upper
117 100
82 58.2 45.2 67.8
119 32.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010048.D
Acq: 18 Apr 2019 16:34

Tgt Ion:152 Resp: 182955
Ion Ratio Lower Upper
152 100
115 60.1 30.4 91.2
150 156.3 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 56.865 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010048.D

Acq: 18 Apr 2019 16:34

Instrument :

MSVOA_W

ClientSampled :

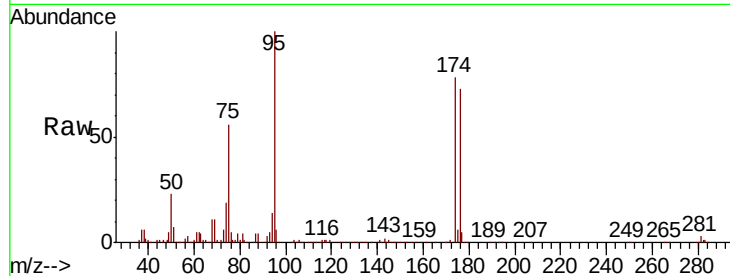
TP-16-S2RE

Tgt Ion: 75 Resp: 104126

Ion Ratio Lower Upper

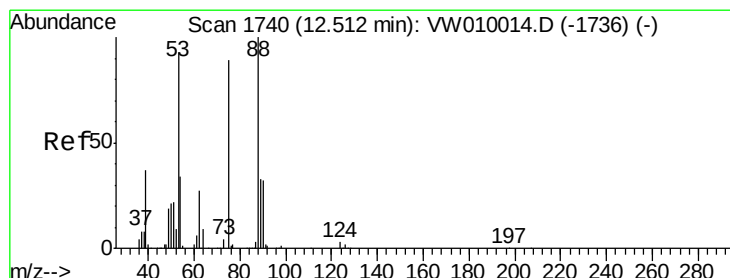
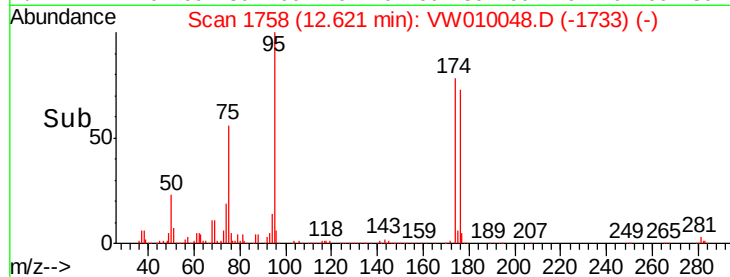
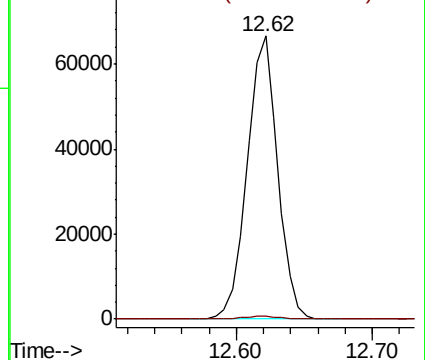
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 134.086 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010048.D

Acq: 18 Apr 2019 16:34

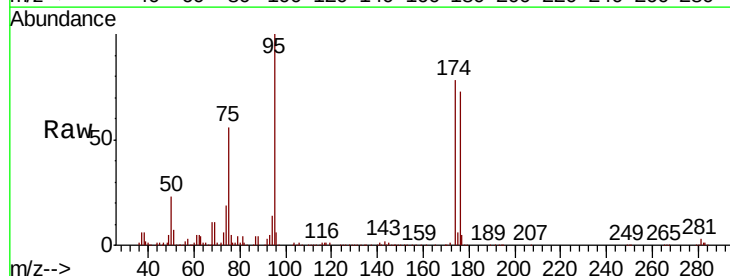
Tgt Ion: 75 Resp: 104126

Ion Ratio Lower Upper

75 100

53 0.3 89.8 134.8#

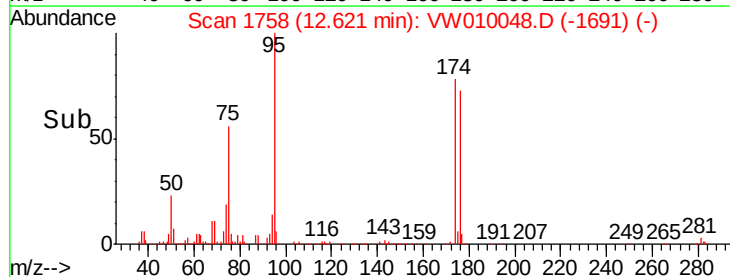
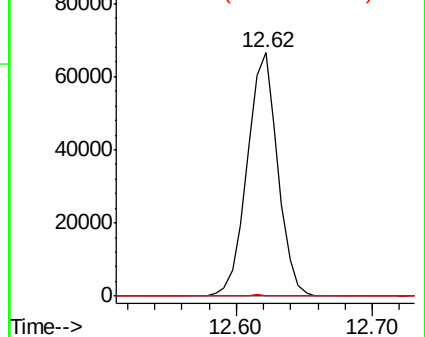
89 0.2 36.6 54.8#

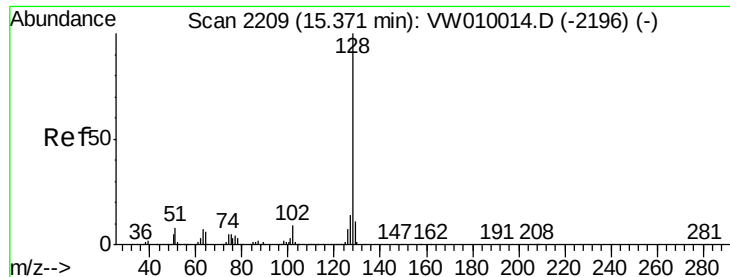


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 3.003 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010048.D

Acq: 18 Apr 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

TP-16-S2RE

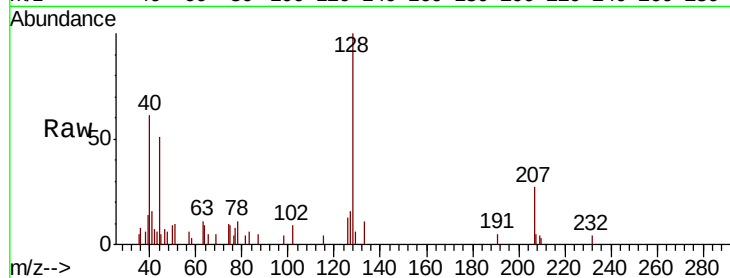
Tgt Ion:128 Resp: 2664

Ion Ratio Lower Upper

128 100

127 21.3 10.6 15.8#

129 11.3 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

