

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002391.D
 Acq On : 10 May 2018 19:47
 Operator : JC/SY
 Sample : J2730-03RE
 Misc : 6.43G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 11 04:54:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	22080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	32847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	25539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	6432	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	11171	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
35) Dibromofluoromethane	7.88	113	10275	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	10.33	98	28588	35.61	ug/l	0.00
Spiked Amount			Recovery	=	71.22%	
62) 4-Bromofluorobenzene	12.63	95	7217	24.88	ug/l	0.00
Spiked Amount			Recovery	=	49.76%	

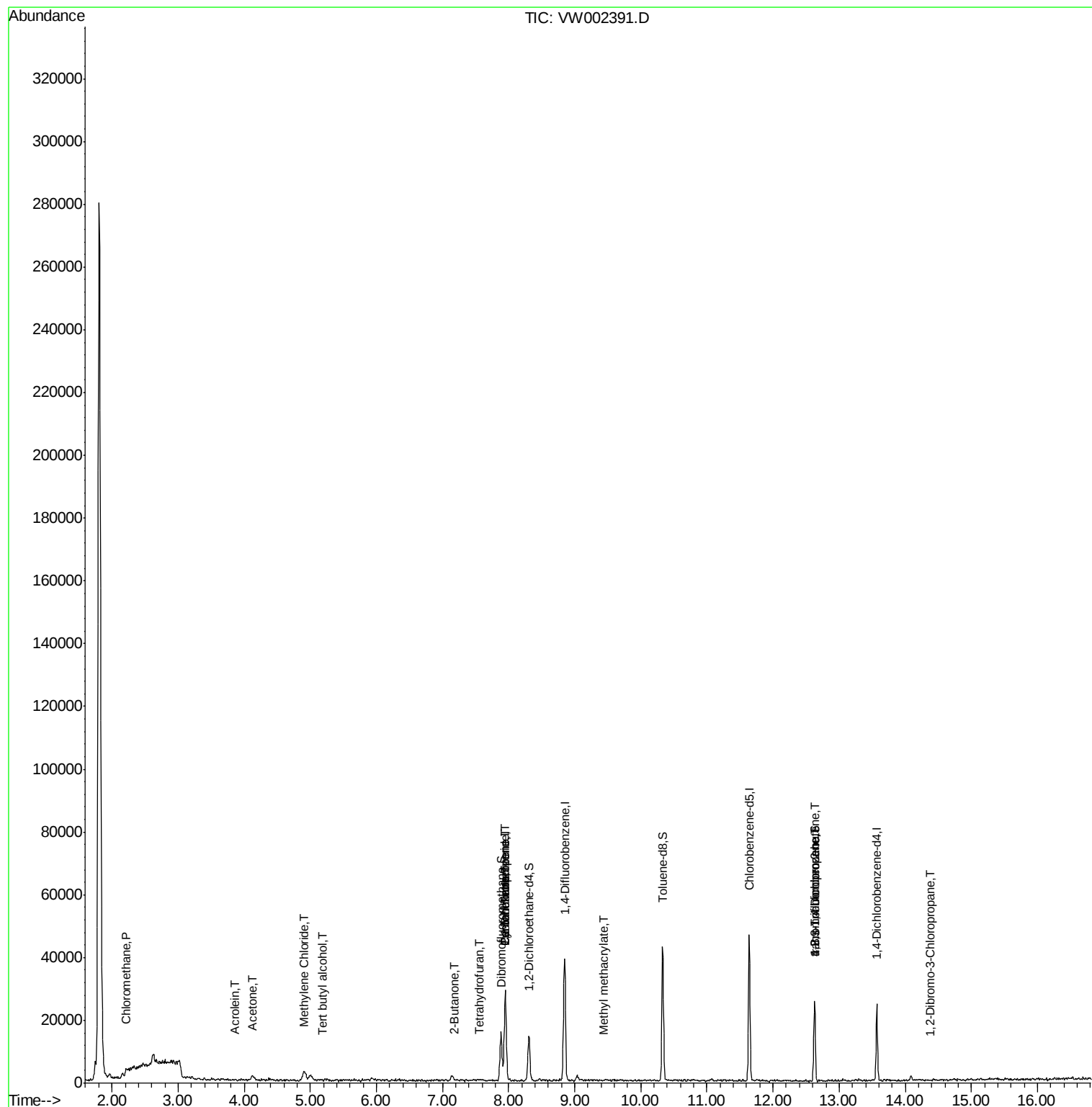
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	289	1.71	ug/l #	42
11) Tert butyl alcohol	5.18	59	60	3.52	ug/l #	85
13) Acrolein	3.87	56	23	1.61	ug/l #	14
16) Acetone	4.12	43	2642	57.70	ug/l	93
20) Methylene Chloride	4.91	84	2245	10.17	ug/l	88
25) 2-Butanone	7.18	43	93	1.37	ug/l #	49
29) Tetrahydrofuran	7.56	42	86	1.93	ug/l #	33
31) Cyclohexane	7.94	56	606	1.74	ug/l #	55
36) 1,1-Dichloropropene	7.95	75	1663	5.60	ug/l #	44
38) Carbon Tetrachloride	7.95	117	2396	8.34	ug/l #	17
48) Methyl methacrylate	9.44	41	246	1.84	ug/l #	36
76) 1,2,3-Trichloropropane	12.63	75	3575	62.68	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	3575	165.10	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.37	75	19	1.36	ug/l #	1

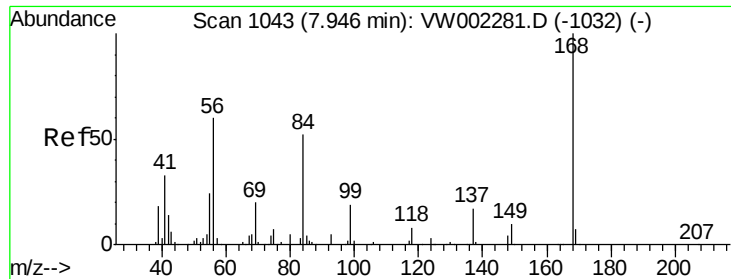
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 08 03:57:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002391.D

Acq: 10 May 2018 19:47

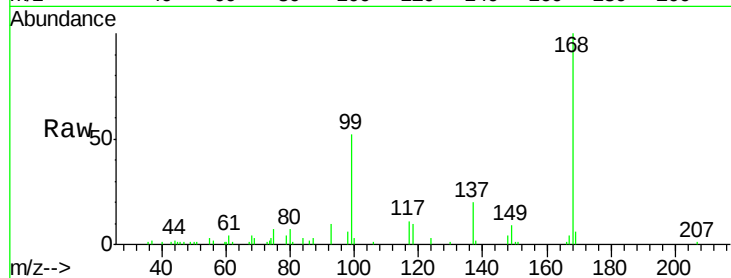
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 22080

Ion Ratio Lower Upper

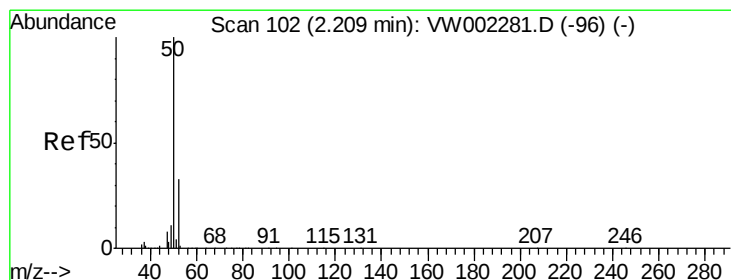
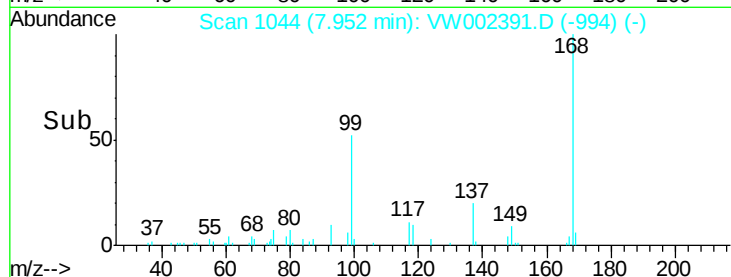
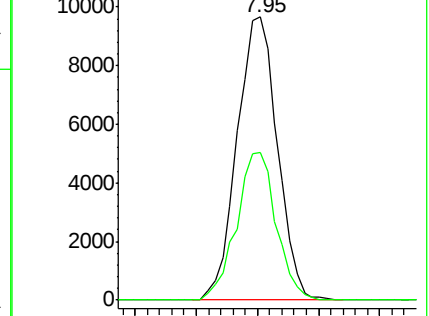
168 100

99 52.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.71 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW002391.D

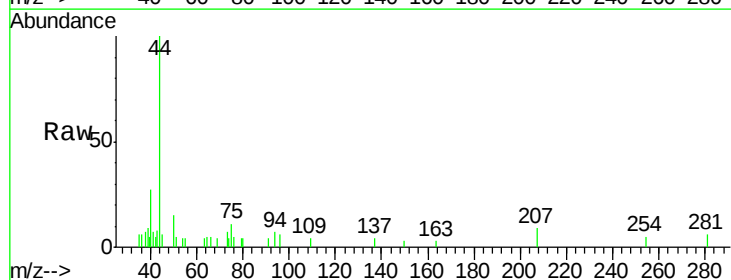
Acq: 10 May 2018 19:47

Tgt Ion: 50 Resp: 289

Ion Ratio Lower Upper

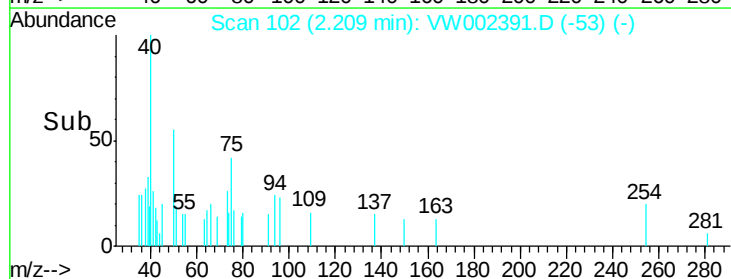
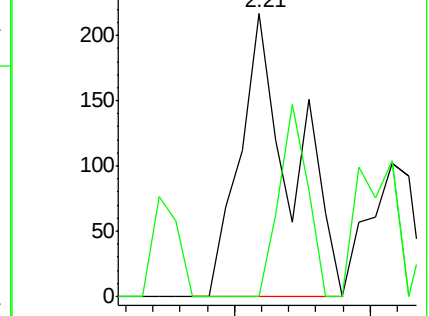
50 100

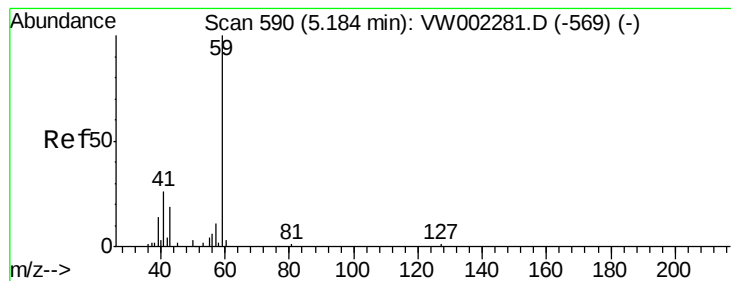
52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



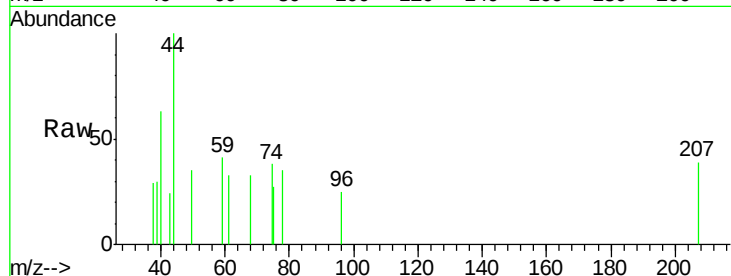


#11

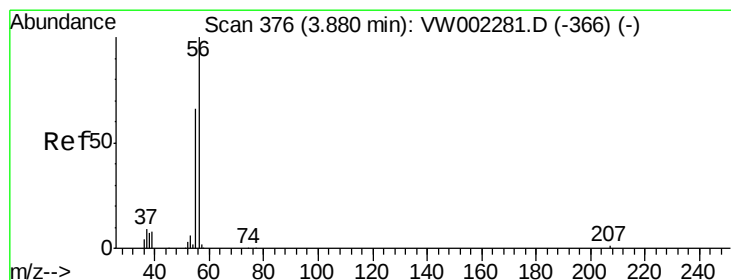
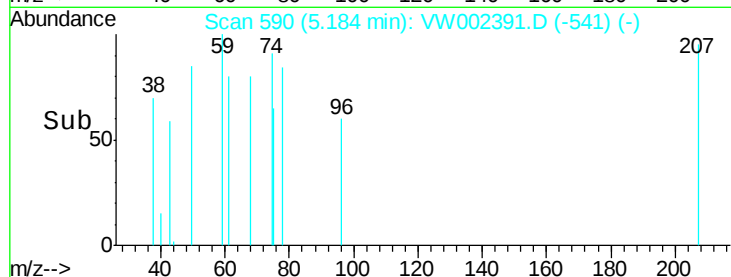
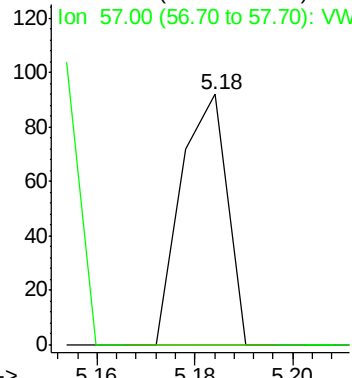
Tert butvl alcohol
Concen: 3.52 ug/l
RT: 5.18 min Scan# 590
Delta R.T. 0.00 min
Lab File: VW002391.D
Acq: 10 May 2018 19:47

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 3.9 5.9#



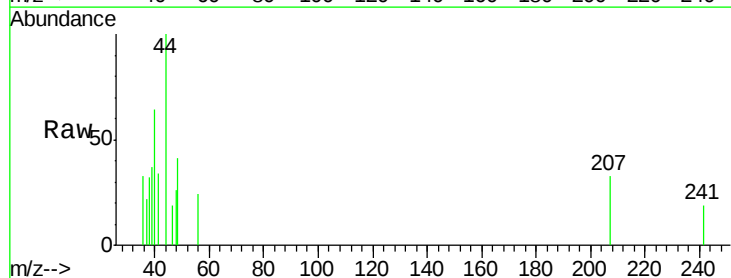
Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW



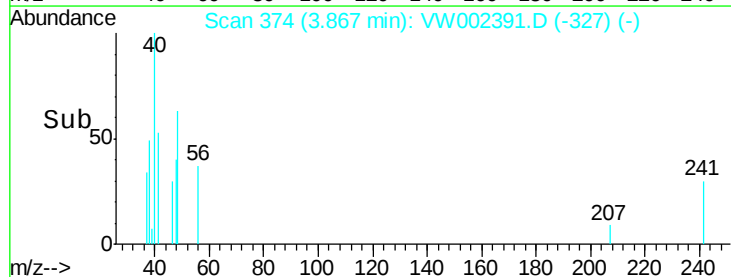
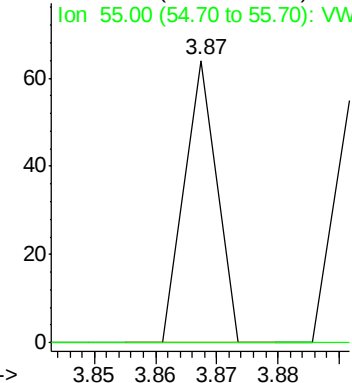
#13

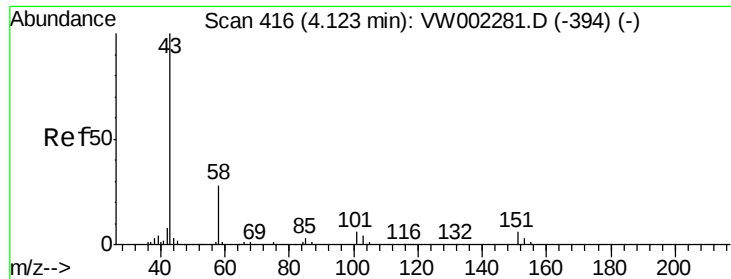
Acrolein
Concen: 1.61 ug/l
RT: 3.87 min Scan# 374
Delta R.T. -0.01 min
Lab File: VW002391.D
Acq: 10 May 2018 19:47

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 57.70 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW002391.D

Acq: 10 May 2018 19:47

Instrument :

MSVOA_W

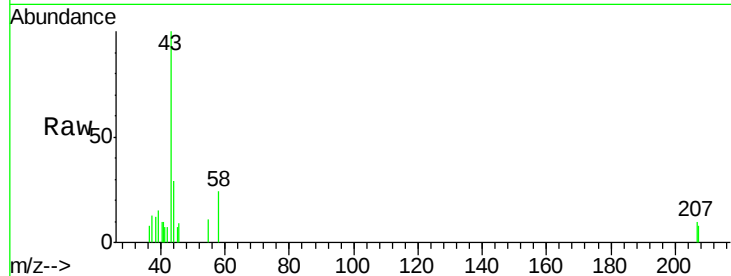
ClientSampled :

Tot Ion: 43 Resp: 2642

Ion Ratio Lower Upper

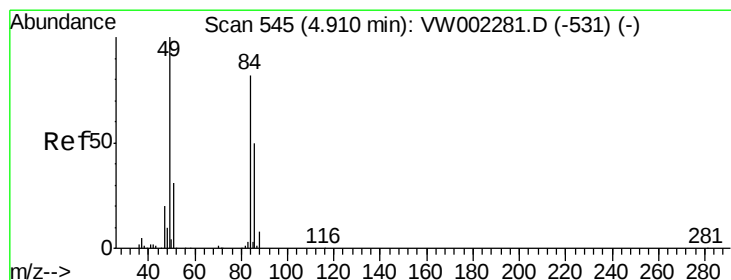
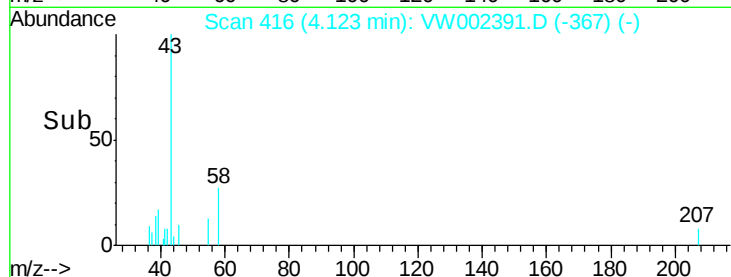
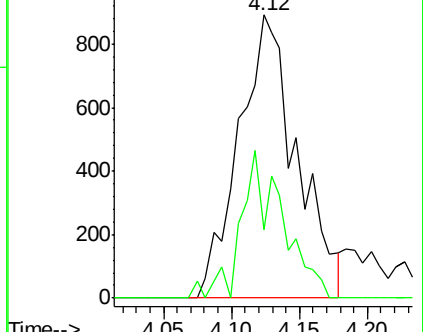
43 100

58 24.3 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 10.17 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW002391.D

Acq: 10 May 2018 19:47

Tgt Ion: 84 Resp: 2245

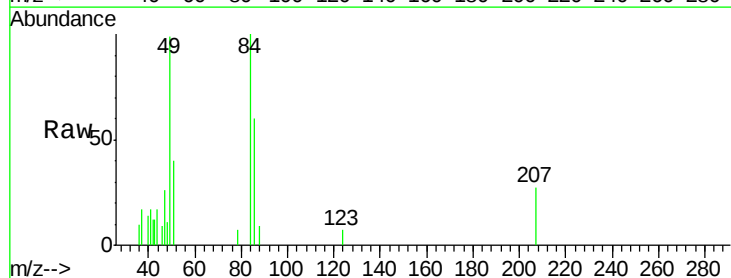
Ion Ratio Lower Upper

84 100

49 98.9 97.7 146.5

51 40.1 30.2 45.4

86 60.5 48.9 73.3

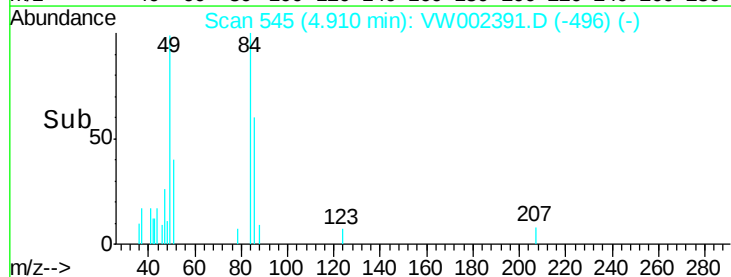
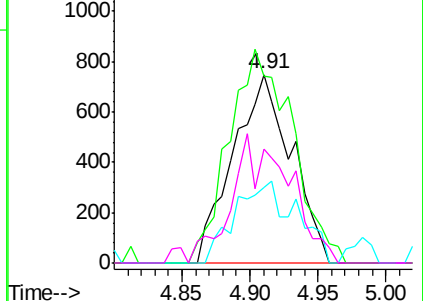


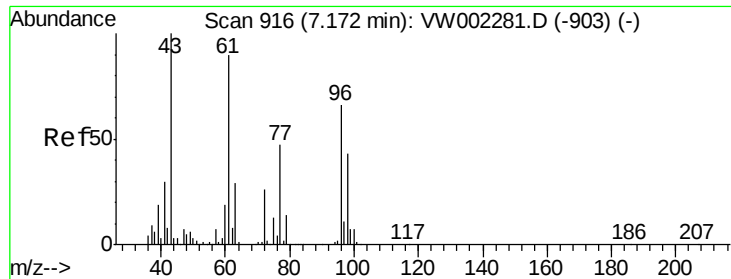
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 1.37 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW002391.D

Acq: 10 May 2018 19:47

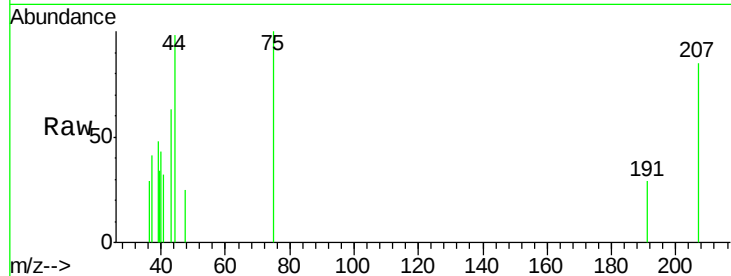
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 93

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

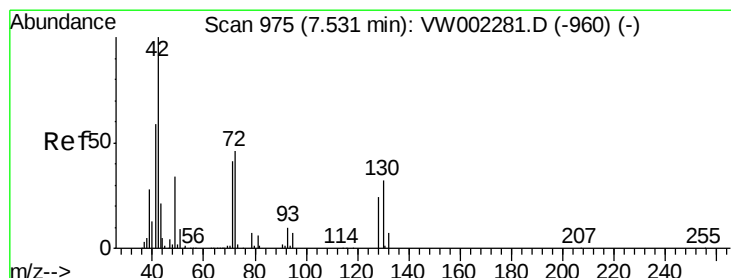
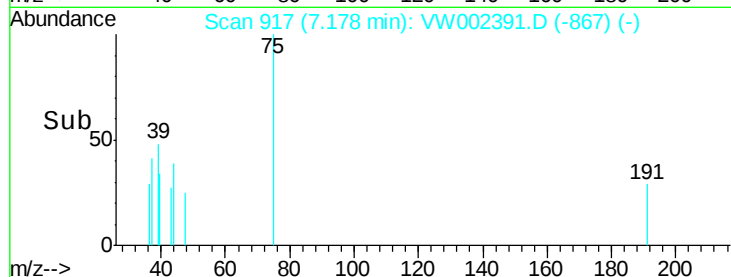
7.18

100

50

0

Time-->



#29

Tetrahydrofuran

Concen: 1.93 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.02 min

Lab File: VW002391.D

Acq: 10 May 2018 19:47

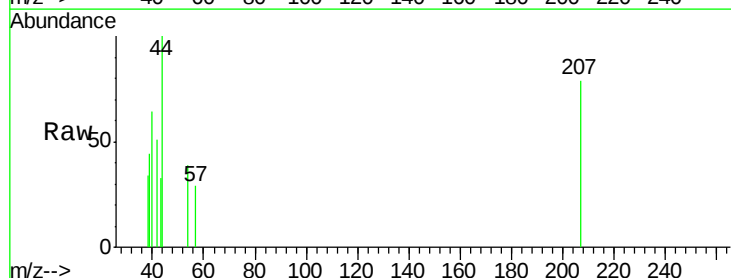
Tgt Ion: 42 Resp: 86

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 0.0 33.0 49.6#



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

120

100

80

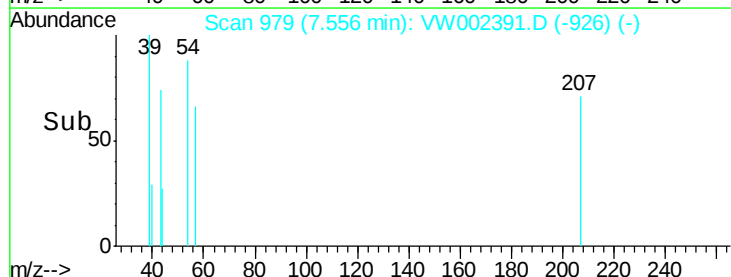
60

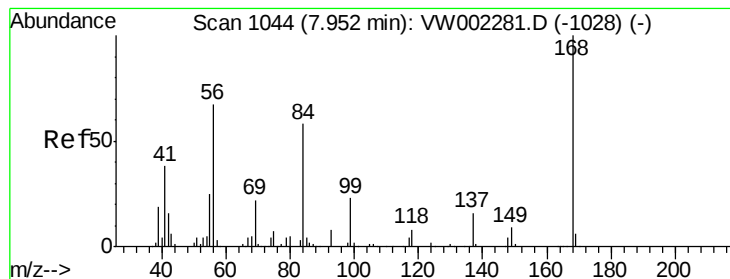
40

20

0

Time-->





#31

Cyclohexane

Concen: 1.74 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VW002391.D

Acq: 10 May 2018 19:47

Instrument :
MSVOA_W
ClientSampled :

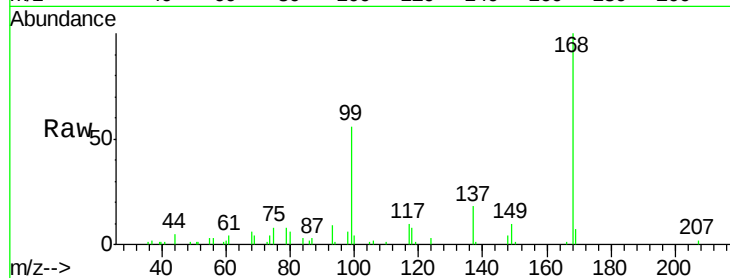
Tot Ion: 56 Resp: 606

Ion Ratio Lower Upper

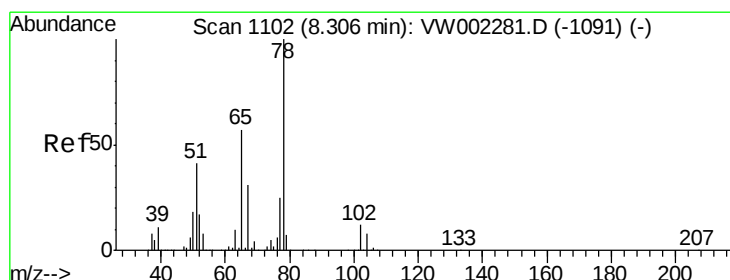
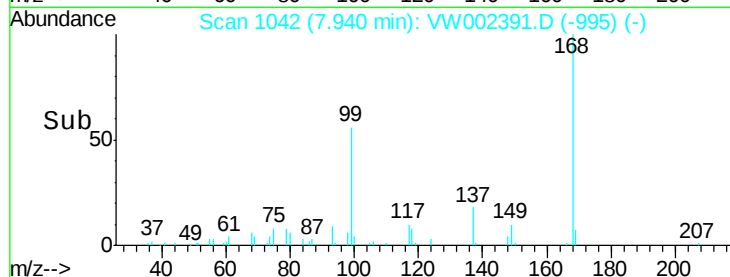
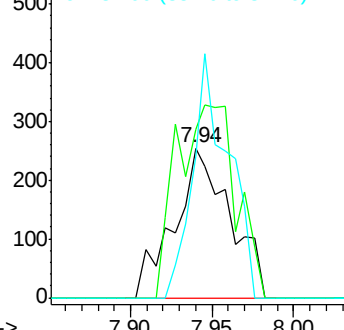
56 100

69 112.5 26.2 39.4#

84 94.1 69.2 103.8



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 47.64 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW002391.D

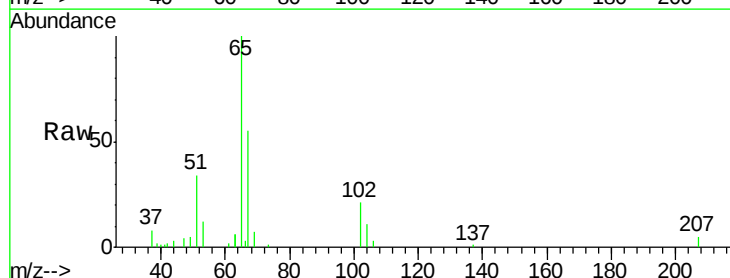
Acq: 10 May 2018 19:47

Tgt Ion: 65 Resp: 11171

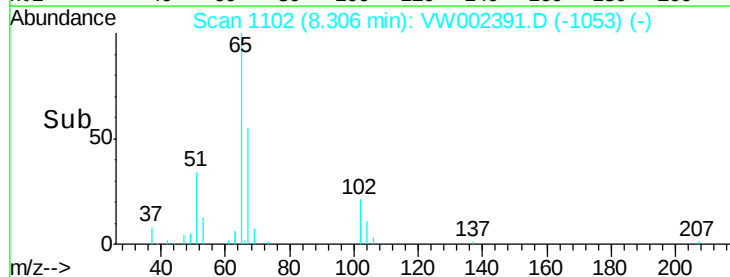
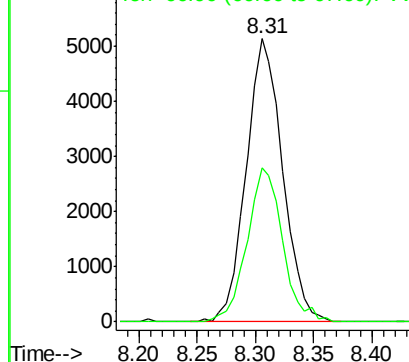
Ion Ratio Lower Upper

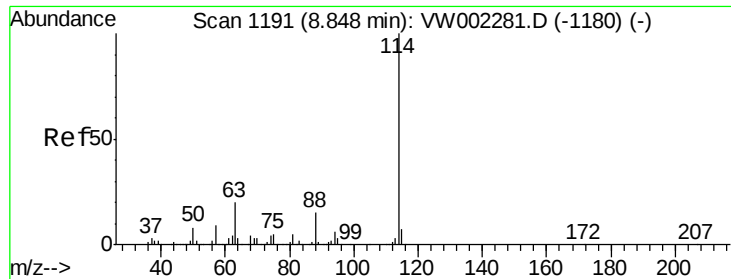
65 100

67 53.2 0.0 107.2



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

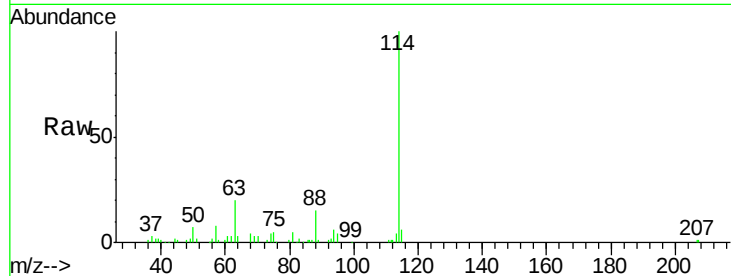




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW002391.D
 Acq: 10 May 2018 19:47

Instrument :
 MSVOA_W
 ClientSampleId :

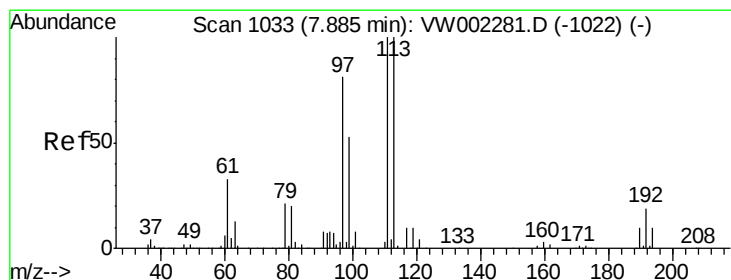
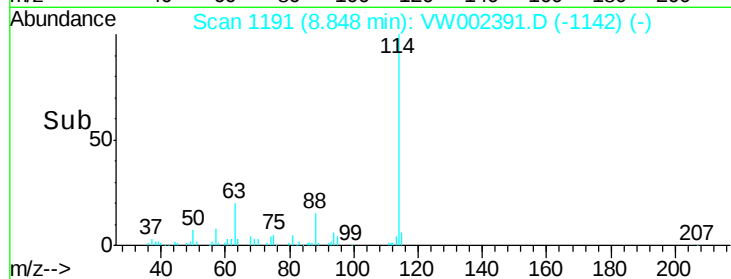
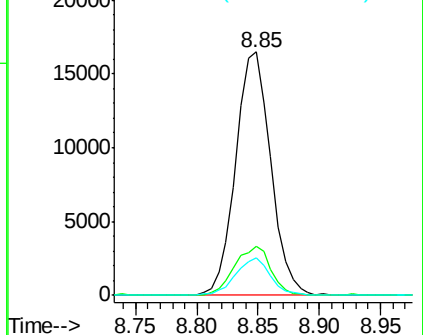
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.0
88	15.4	0.0	29.6



Abundance Ion 113.90 (113.60 to 114.60): V

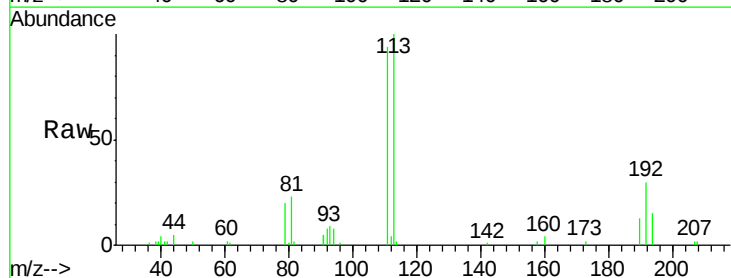
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 48.80 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW002391.D
 Acq: 10 May 2018 19:47

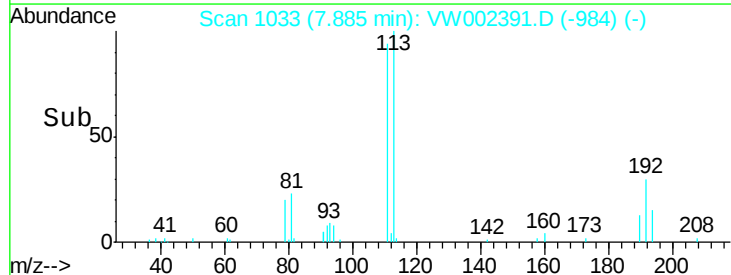
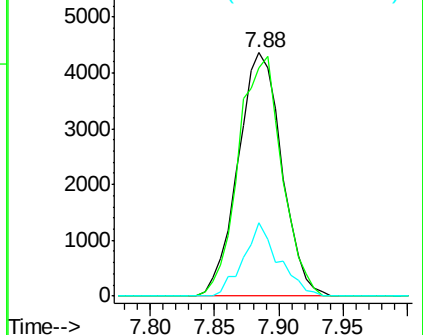
Tgt Ion	Ratio	Lower	Upper
113	100		
111	97.8	81.5	122.3
192	24.3	16.4	24.6

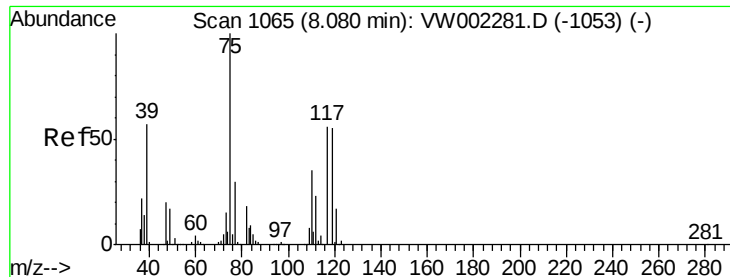


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.60 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002391.D

Acq: 10 May 2018 19:47

Instrument :

MSVOA_W

ClientSampled :

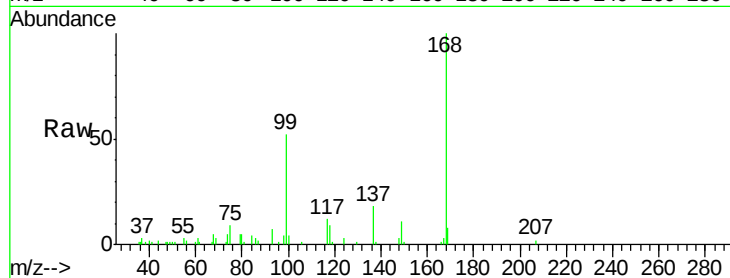
Tot Ion: 75 Resp: 1663

Ion Ratio Lower Upper

75 100

110 2.7 18.1 54.1#

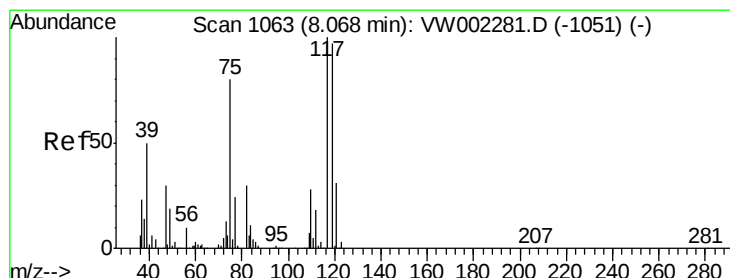
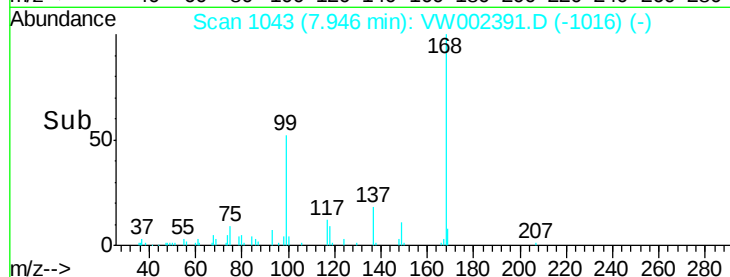
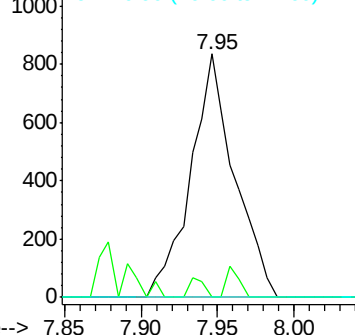
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 8.34 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002391.D

Acq: 10 May 2018 19:47

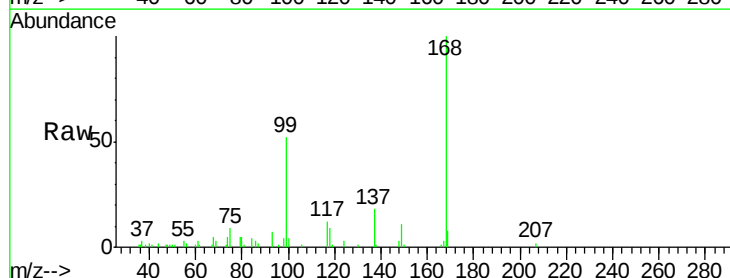
Tgt Ion: 117 Resp: 2396

Ion Ratio Lower Upper

117 100

119 7.1 77.5 116.3#

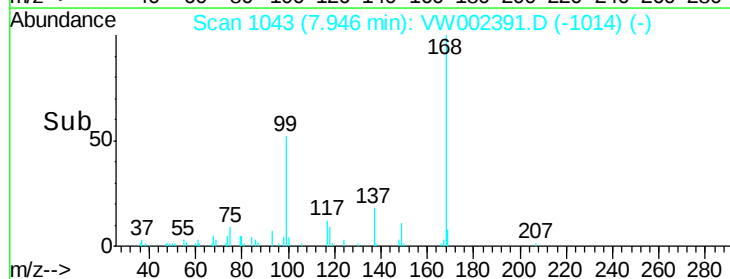
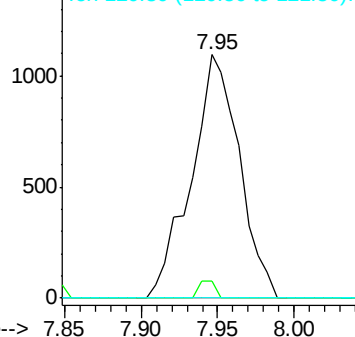
121 0.0 24.4 36.6#

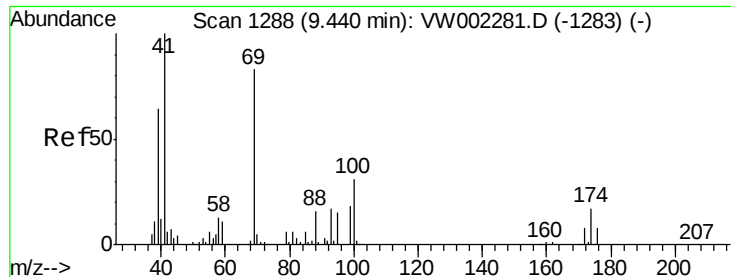


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

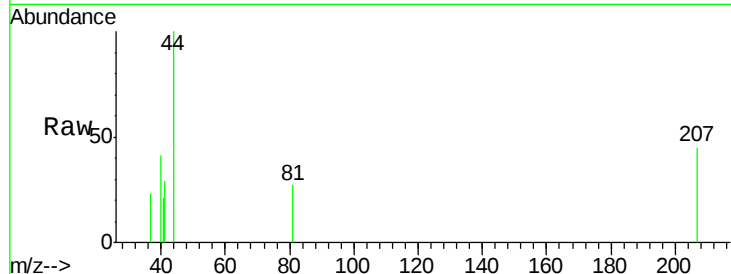




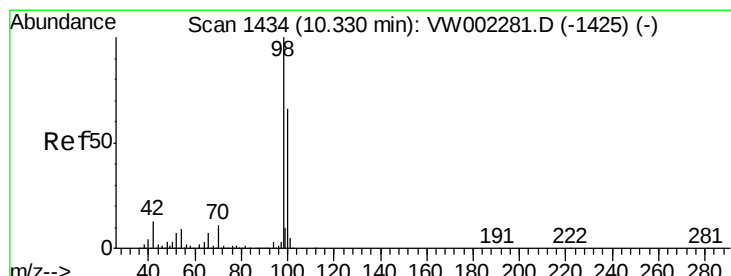
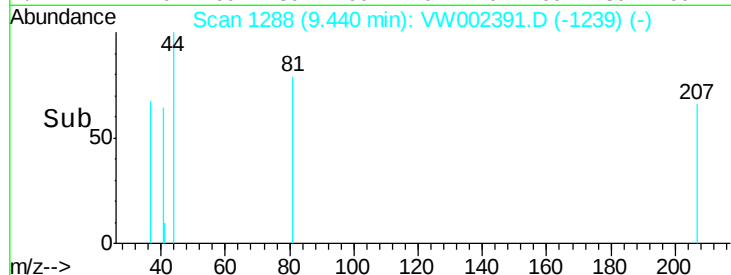
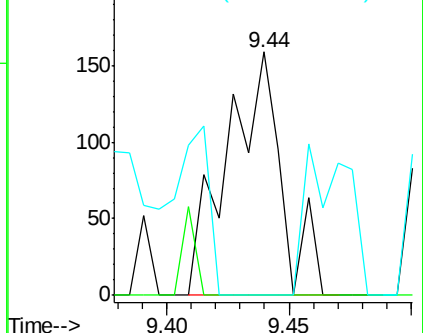
#48
Methvl methacrylate
Concen: 1.84 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW002391.D
Acq: 10 May 2018 19:47

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 246
Ion Ratio Lower Upper
41 100
69 0.0 69.9 104.9#
39 48.0 54.0 81.0#

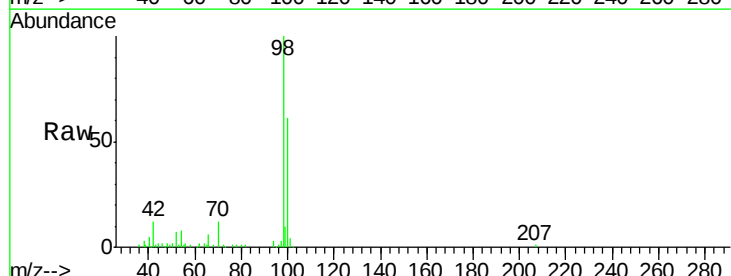


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

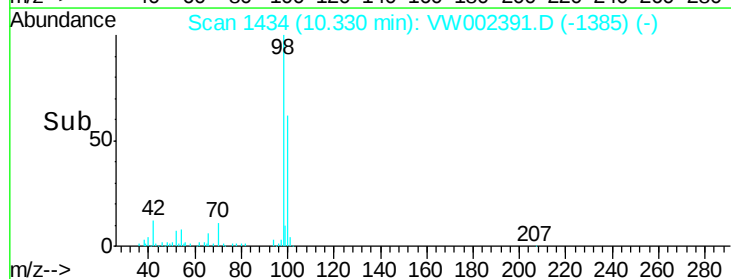
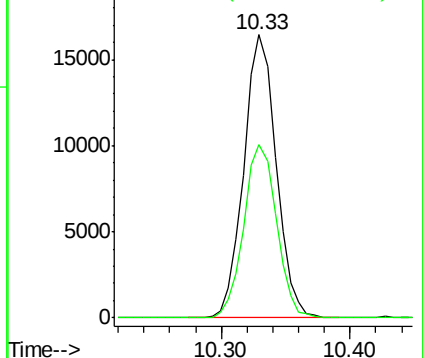


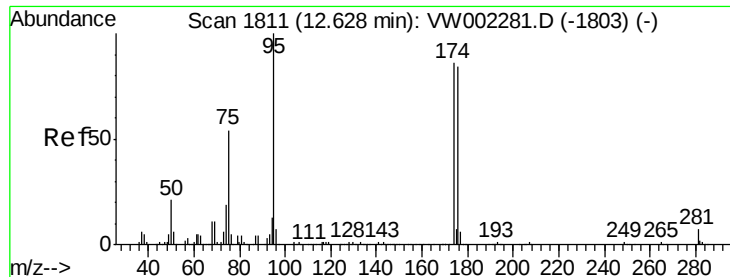
#50
Toluene-d8
Concen: 35.61 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW002391.D
Acq: 10 May 2018 19:47

Tgt Ion: 98 Resp: 28588
Ion Ratio Lower Upper
98 100
100 61.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 24.88 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002391.D

Acq: 10 May 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

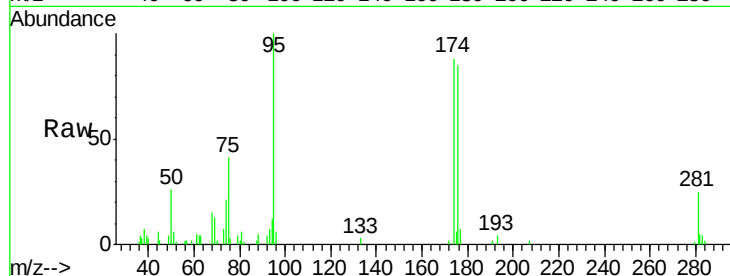
Tot Ion: 95 Resp: 7217

Ion Ratio Lower Upper

95 100

174 85.3 0.0 176.8

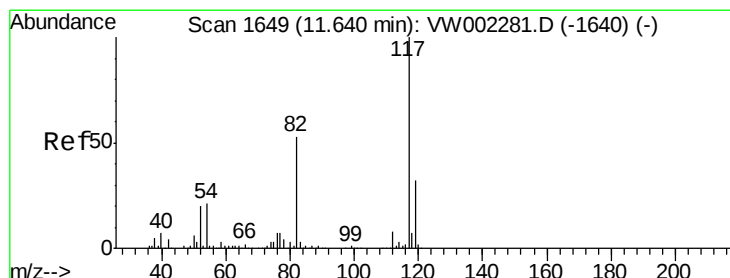
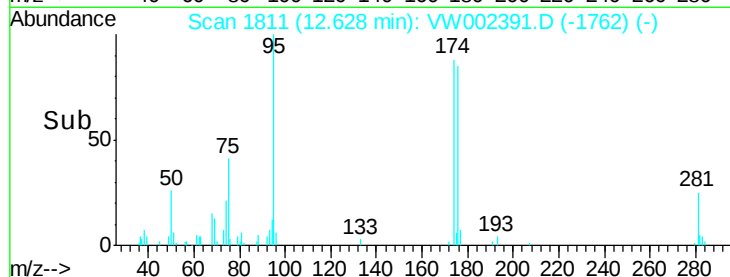
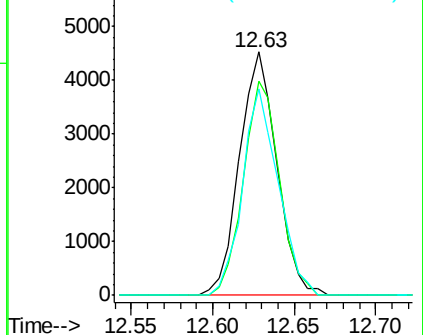
176 81.3 0.0 170.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW002391.D

Acq: 10 May 2018 19:47

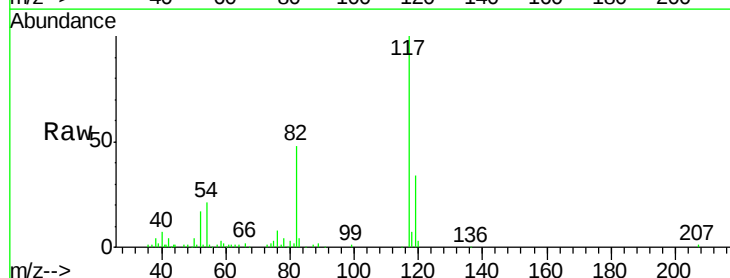
Tgt Ion: 117 Resp: 25539

Ion Ratio Lower Upper

117 100

82 47.6 42.6 63.8

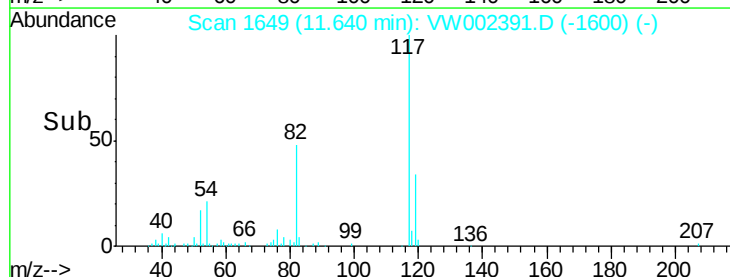
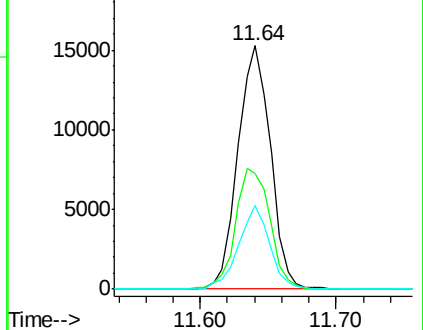
119 34.4 25.2 37.8

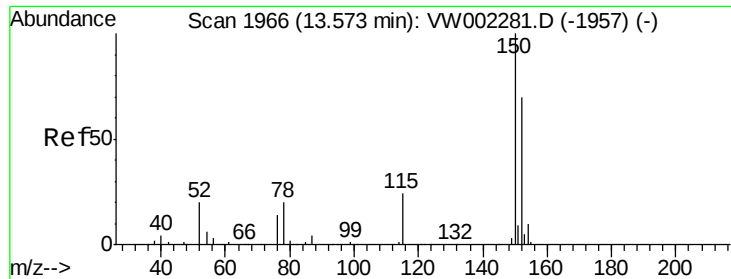


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VW002391.D

Acq: 10 May 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

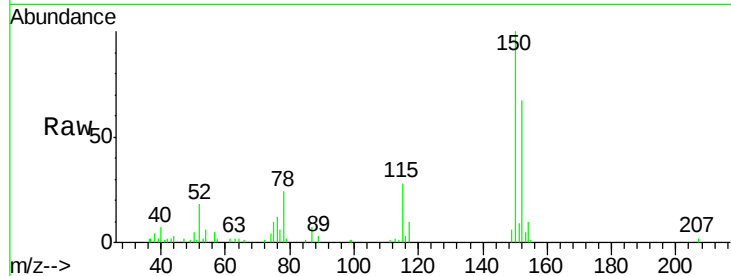
Tot Ion:152 Resp: 6432

Ion Ratio Lower Upper

152 100

115 52.7 28.5 85.5

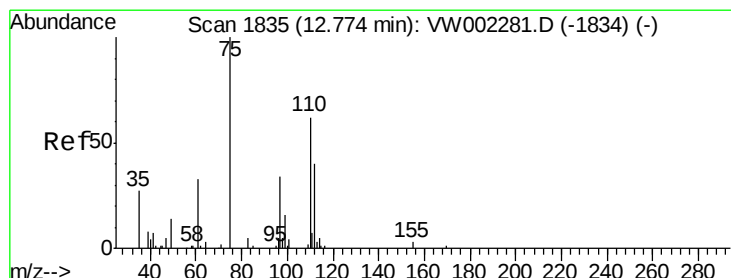
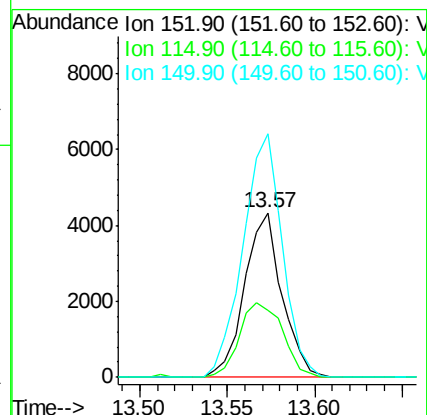
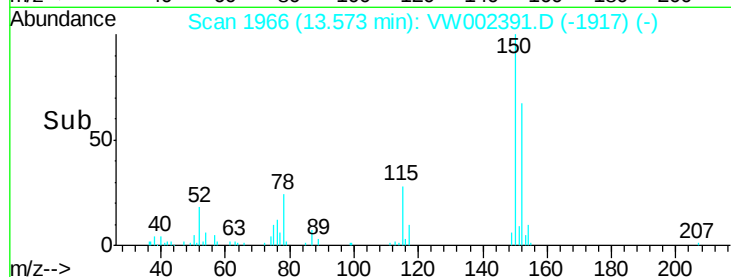
150 156.1 0.0 342.6



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: 62.68 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002391.D

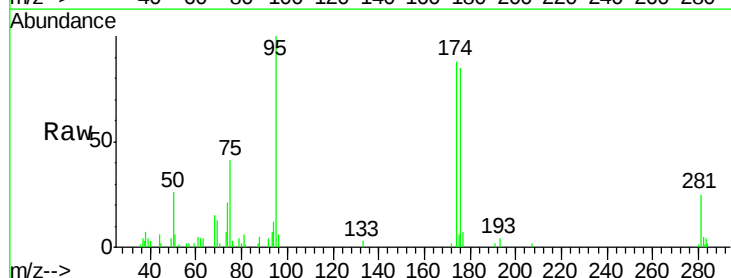
Acq: 10 May 2018 19:47

Tgt Ion: 75 Resp: 3575

Ion Ratio Lower Upper

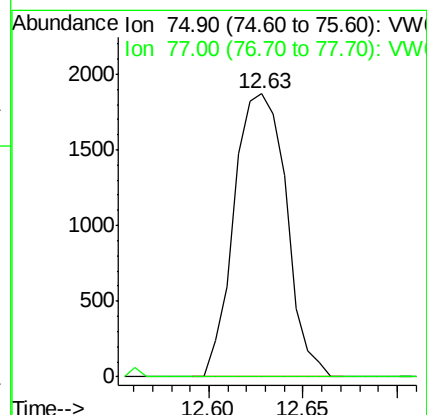
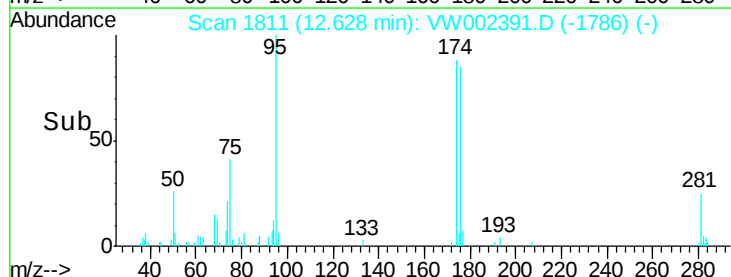
75 100

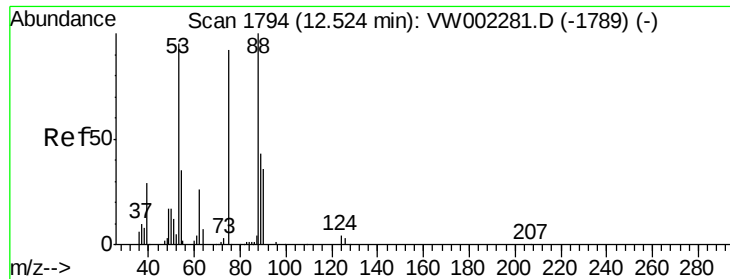
77 0.0 187.5 562.6#



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: 165.10 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002391.D

Acq: 10 May 2018 19:47

Instrument :

MSVOA_W

ClientSampled :

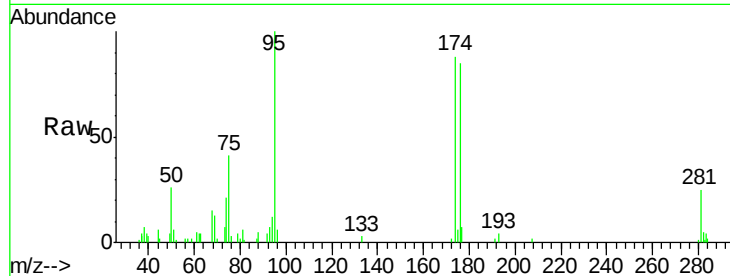
Tot Ion: 75 Resp: 3575

Ion Ratio Lower Upper

75 100

53 0.0 79.9 119.9#

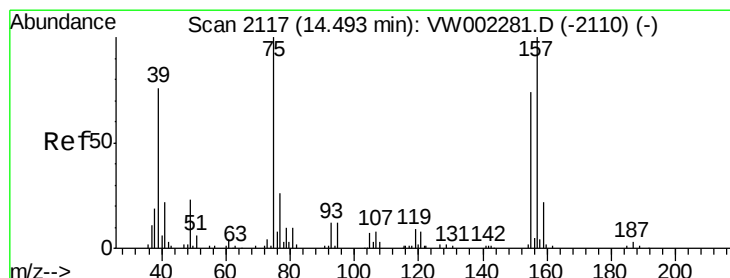
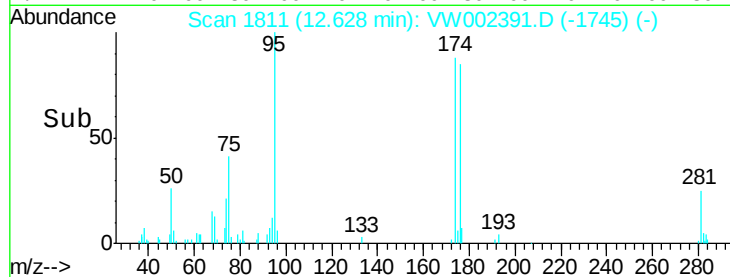
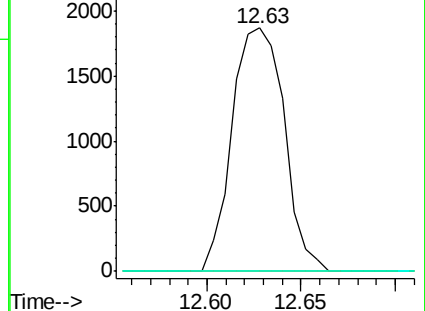
89 0.0 37.6 56.4#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.36 ug/l

RT: 14.37 min Scan# 2097

Delta R.T. -0.12 min

Lab File: VW002391.D

Acq: 10 May 2018 19:47

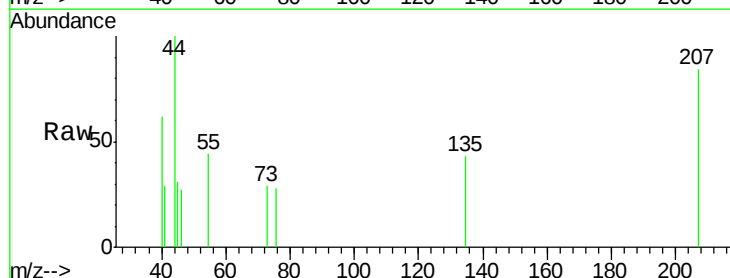
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

155 0.0 43.3 129.8#

157 0.0 55.8 167.4#



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

