

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
 Data File : VW005310.D
 Acq On : 12 Sep 2018 08:04
 Operator : SY/AP
 Sample : J4776-01RE
 Misc : 6.84G/5ML/MSVOA_W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-090718-ARE

Quant Time: Sep 12 08:30:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	306461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	451251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	160959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	117179	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	122306	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
35) Dibromofluoromethane	7.89	113	107659	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
50) Toluene-d8	10.33	98	143485	12.01	ug/l	0.00
Spiked Amount			Recovery	=	24.02%	
62) 4-Bromofluorobenzene	12.63	95	111228	25.46	ug/l	0.00
Spiked Amount			Recovery	=	50.92%	

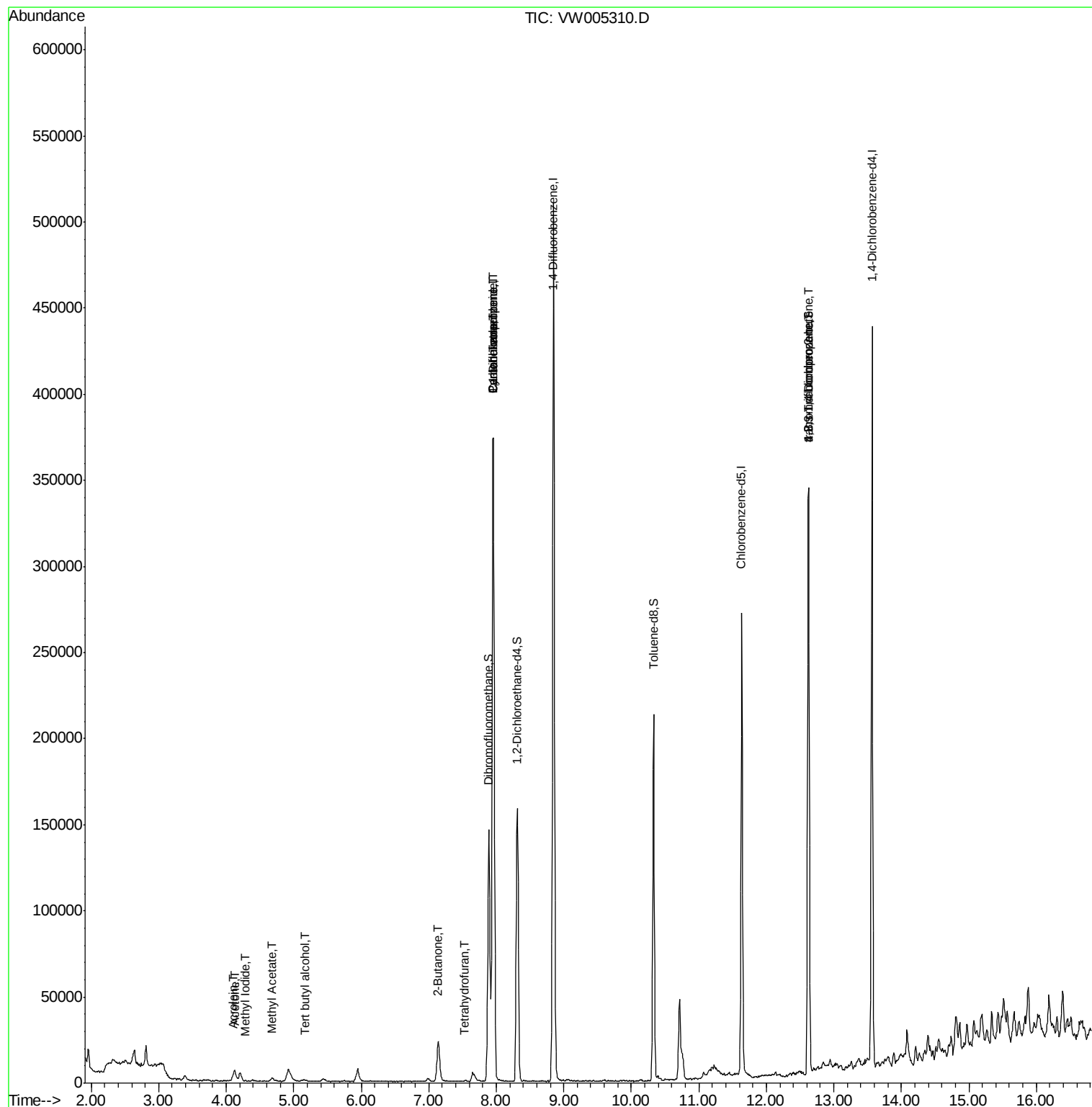
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	881	Below Cal	#	77
10) Methyl Iodide	4.28	142	136	3.365	ug/l #	45
11) Tert butyl alcohol	5.17	59	1487	7.933	ug/l #	73
13) Acrolein	4.10	56	369	2.038	ug/l	99
16) Acetone	4.13	43	9969	23.496	ug/l #	84
18) Methyl Acetate	4.68	43	3271	2.583	ug/l	99
20) Methylene Chloride	4.92	84	4883	Below Cal		95
25) 2-Butanone	7.14	43	1431	2.138	ug/l #	80
29) Tetrahydrofuran	7.54	42	492	1.091	ug/l #	48
31) Cyclohexane	7.95	56	5577	1.140	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21561	5.215	ug/l #	47
38) Carbon Tetrachloride	7.96	117	27027	6.979	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	51387	57.015	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51387	133.714	ug/l #	16

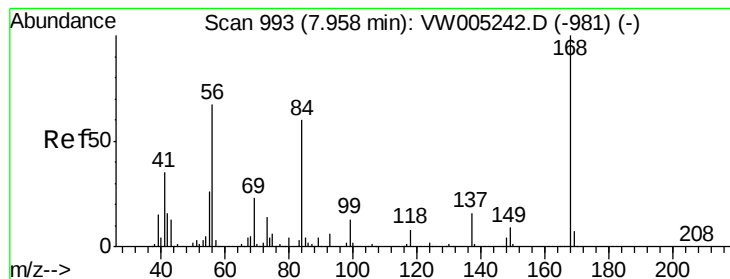
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005310.D

Acq: 12 Sep 2018 08:04

Instrument :

MSVOA_W

ClientSampleId :

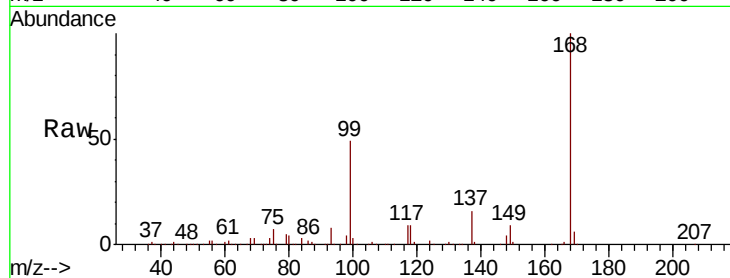
EO-02-090718-ARE

Tgt Ion:168 Resp: 306461

Ion Ratio Lower Upper

168 100

99 48.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

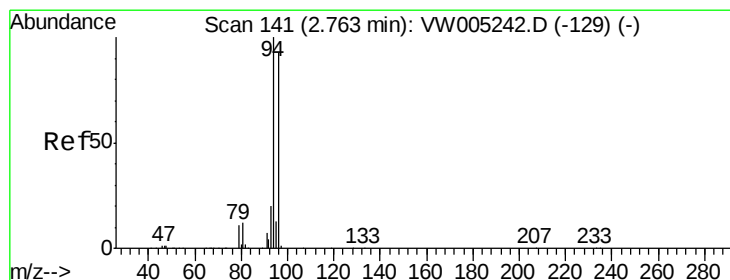
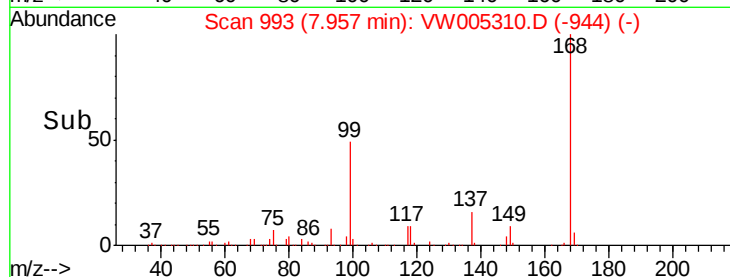
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW005310.D

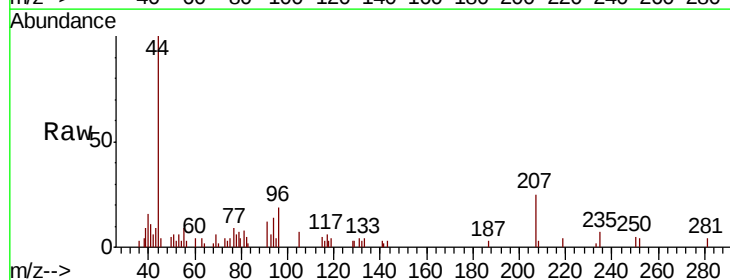
Acq: 12 Sep 2018 08:04

Tgt Ion: 94 Resp: 881

Ion Ratio Lower Upper

94 100

96 114.2 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

500

400

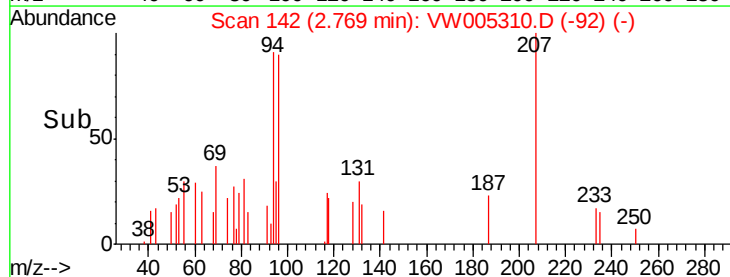
300

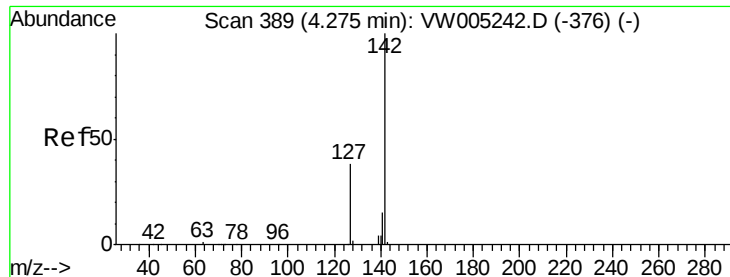
200

100

0

Time--> 2.70 2.75 2.80

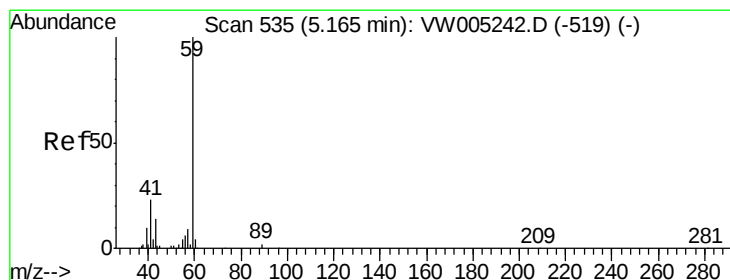
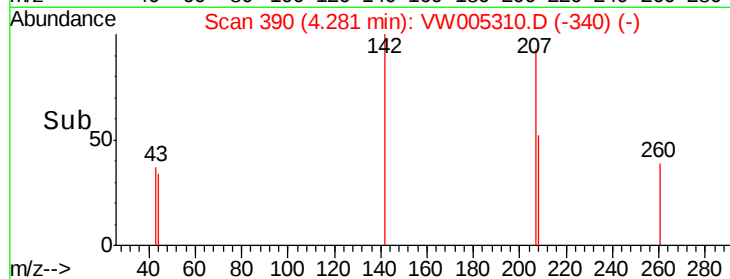
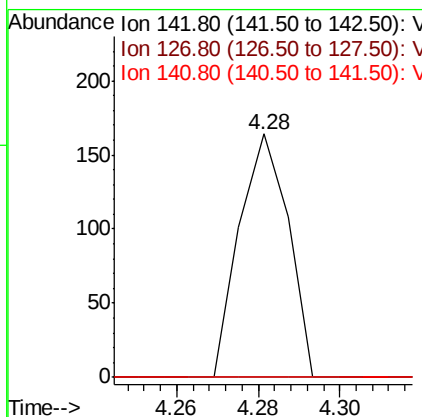
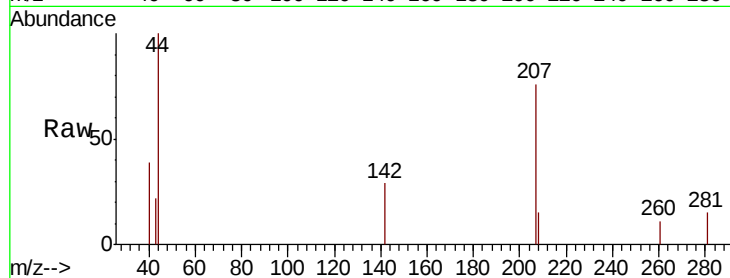




#10
Methyl Iodide
Concen: 3.365 ug/l
RT: 4.28 min Scan# 390
Delta R.T. 0.01 min
Lab File: VW005310.D
Acq: 12 Sep 2018 08:04

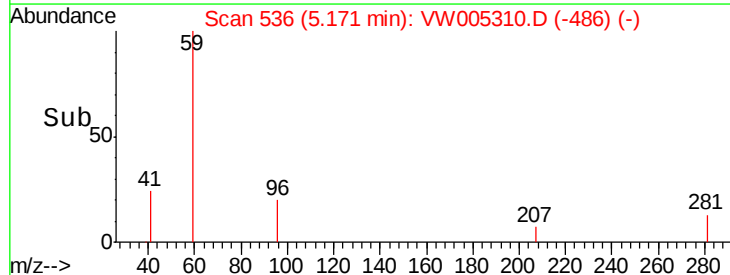
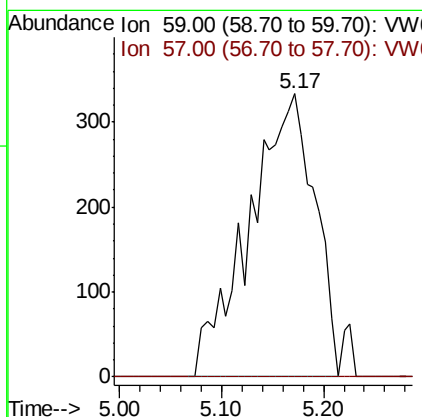
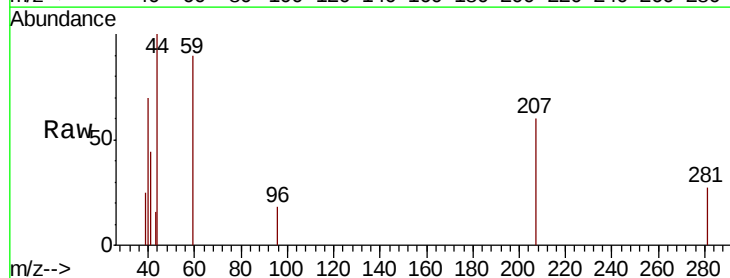
Instrument :
MSVOA_W
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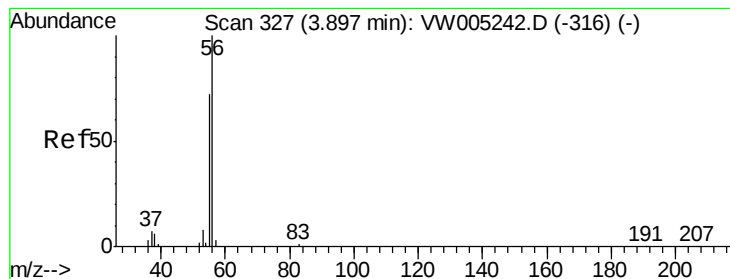
Tgt Ion: 142 Resp: 136
Ion Ratio Lower Upper
142 100
127 0.0 30.3 45.5#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 7.933 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW005310.D
Acq: 12 Sep 2018 08:04

Tgt Ion: 59 Resp: 1487
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 2.038 ug/l

RT: 4.10 min Scan# 360

Delta R.T. 0.20 min

Lab File: VW005310.D

Acq: 12 Sep 2018 08:04

Instrument :

MSVOA_W

ClientSampleId :

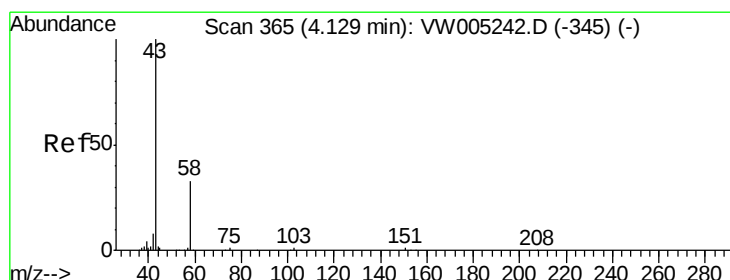
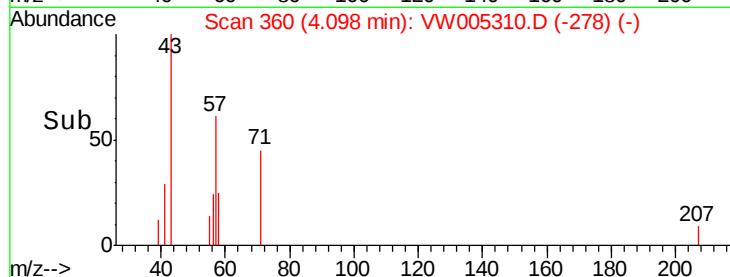
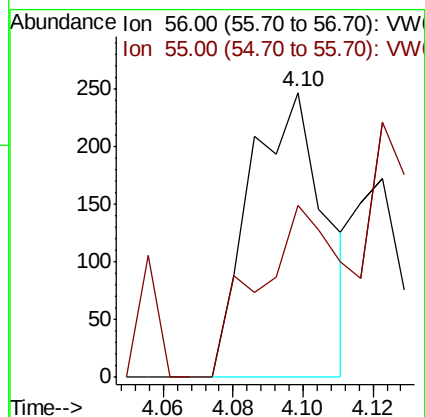
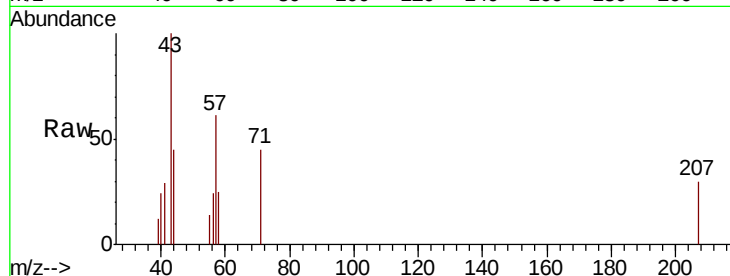
EO-02-090718-ARE

Tgt Ion: 56 Resp: 369

Ion Ratio Lower Upper

56 100

55 70.5 56.8 85.2



#16

Acetone

Concen: 23.496 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW005310.D

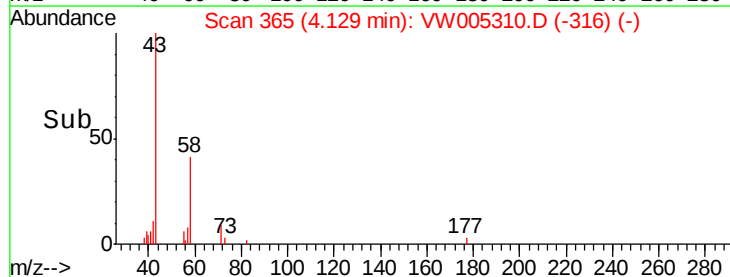
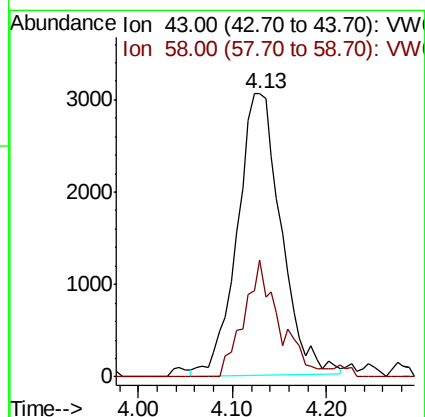
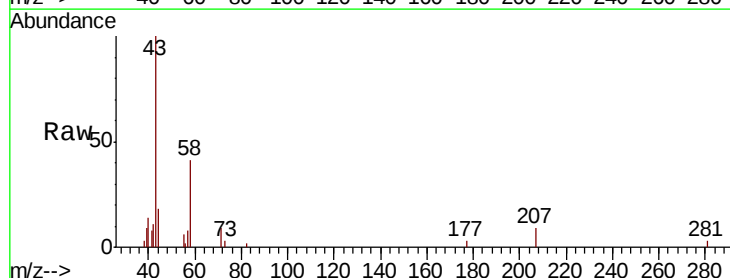
Acq: 12 Sep 2018 08:04

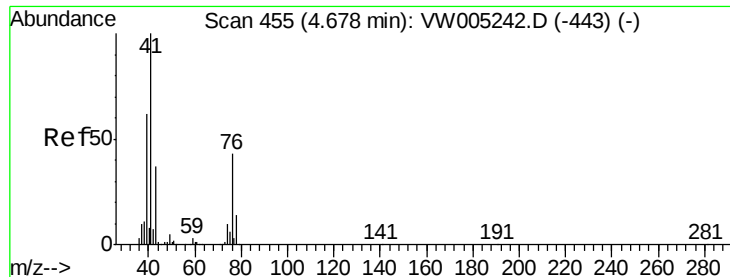
Tgt Ion: 43 Resp: 9969

Ion Ratio Lower Upper

43 100

58 42.3 26.7 40.1#

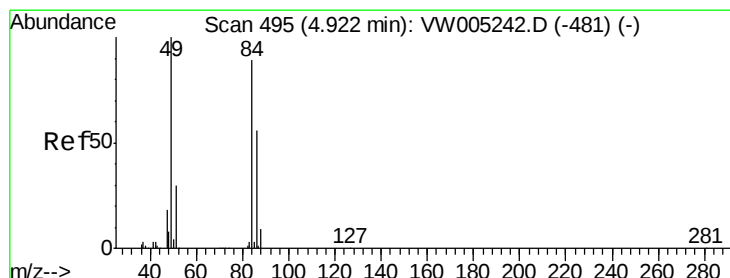
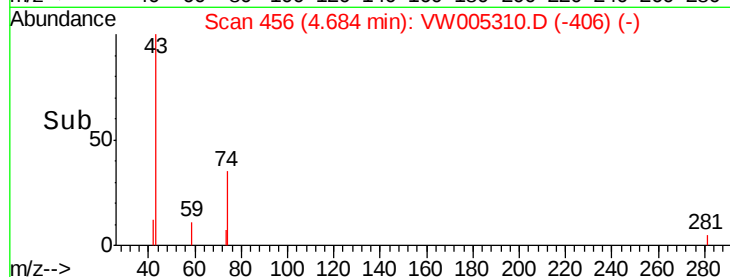
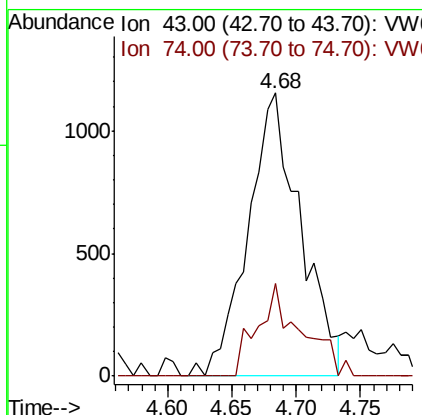
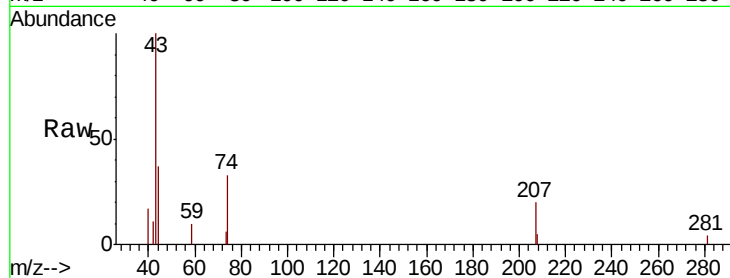




#18
Methyl Acetate
Concen: 2.583 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005310.D
Acq: 12 Sep 2018 08:04

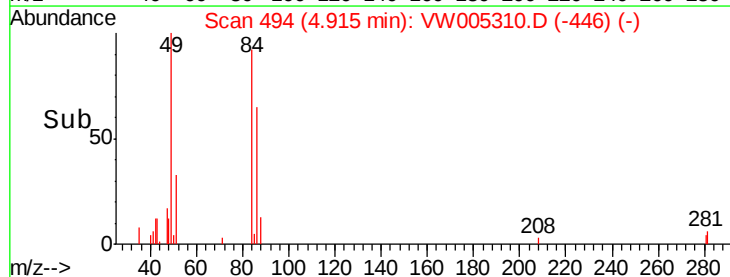
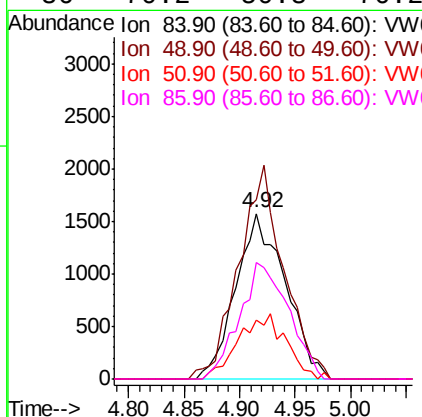
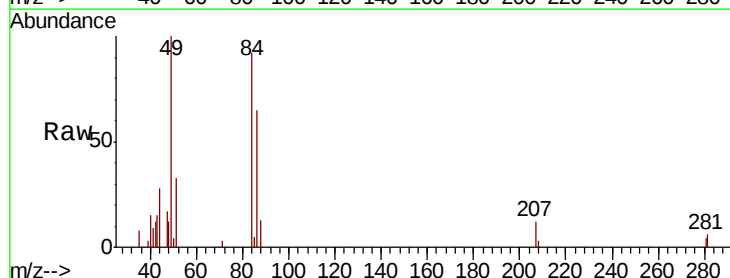
Instrument :
MSVOA_W
ClientSampleId :
EO-02-090718-ARE

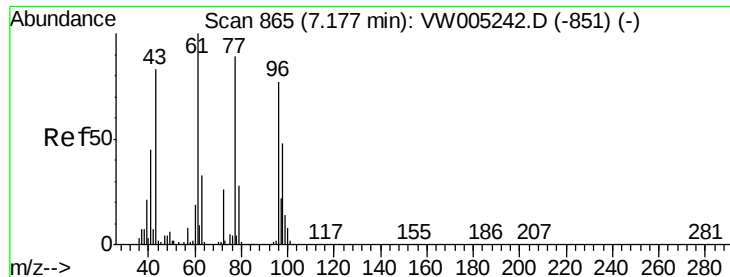
Tgt Ion: 43 Resp: 3271
Ion Ratio Lower Upper
43 100
74 27.2 21.4 32.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW005310.D
Acq: 12 Sep 2018 08:04

Tgt Ion: 84 Resp: 4883
Ion Ratio Lower Upper
84 100
49 108.6 90.3 135.5
51 35.6 26.9 40.3
86 70.2 50.8 76.2

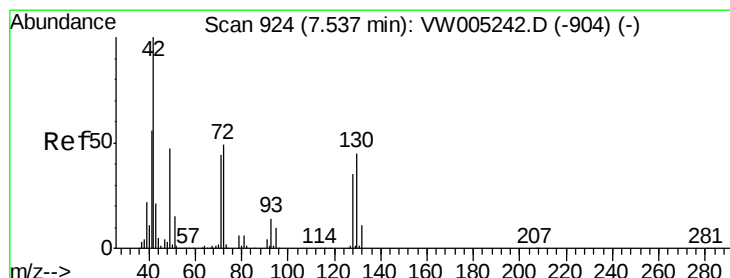
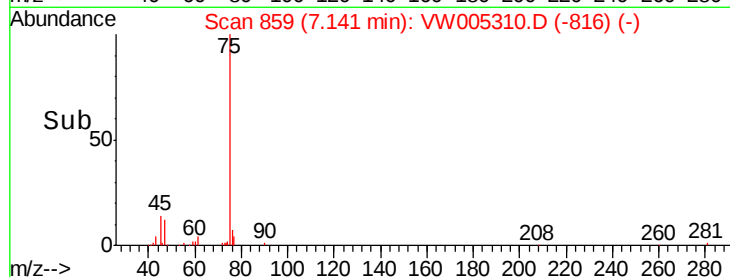
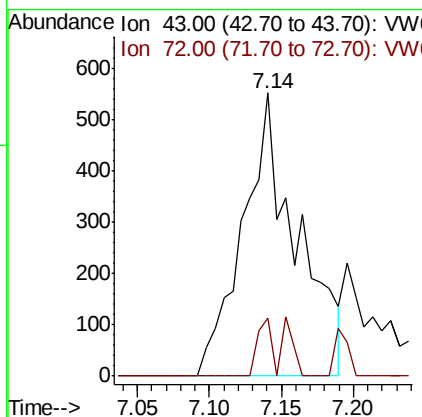
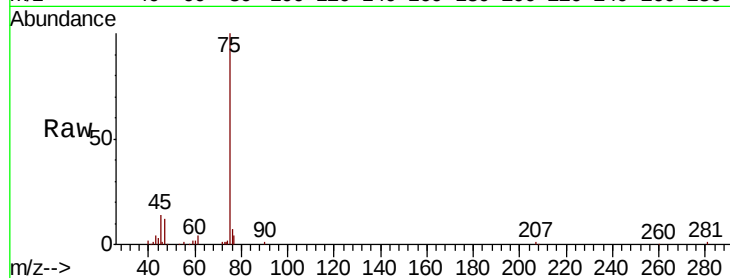




#25
2-Butanone
Concen: 2.138 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.04 min
Lab File: VW005310.D
Acq: 12 Sep 2018 08:04

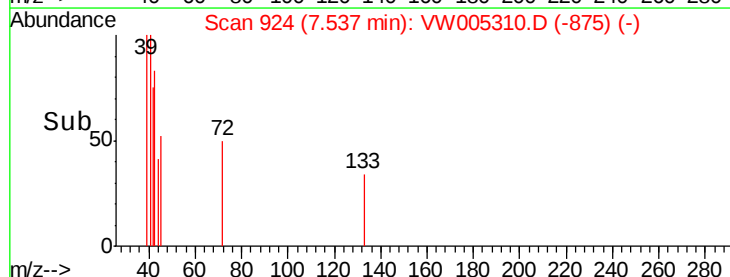
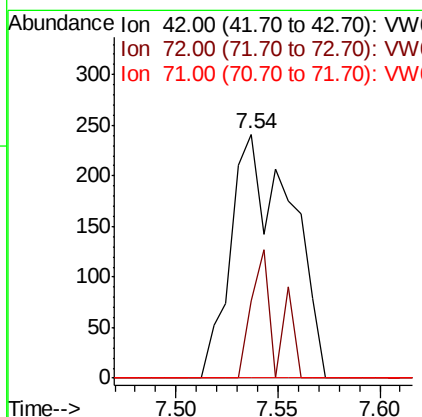
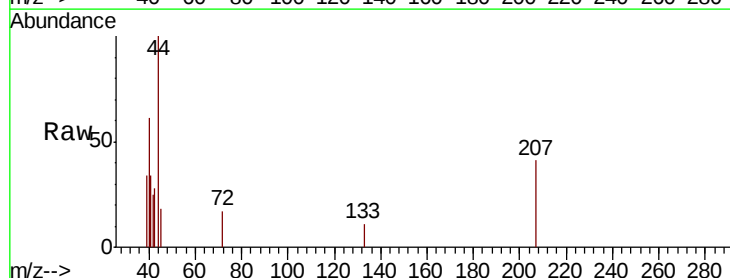
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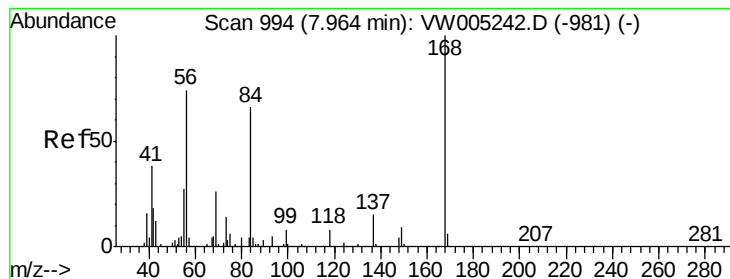
Tgt Ion: 43 Resp: 1431
Ion Ratio Lower Upper
43 100
72 20.5 25.0 37.6#



#29
Tetrahydrofuran
Concen: 1.091 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005310.D
Acq: 12 Sep 2018 08:04

Tgt Ion: 42 Resp: 492
Ion Ratio Lower Upper
42 100
72 21.7 37.5 56.3#
71 0.0 34.8 52.2#





#31

Cyclohexane

Concen: 1.140 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005310.D

Acq: 12 Sep 2018 08:04

Instrument :

MSVOA_W

ClientSampleId :

EO-02-090718-ARE

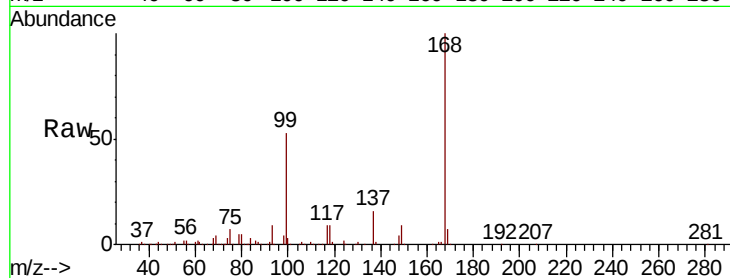
Tgt Ion: 56 Resp: 5577

Ion Ratio Lower Upper

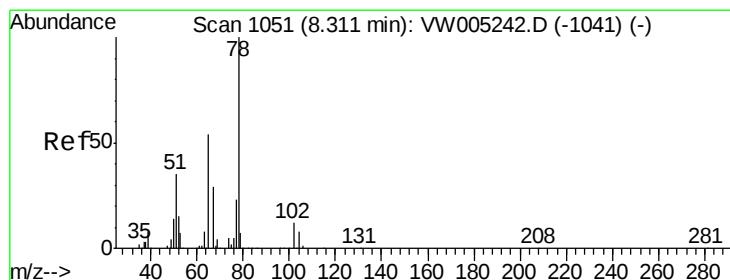
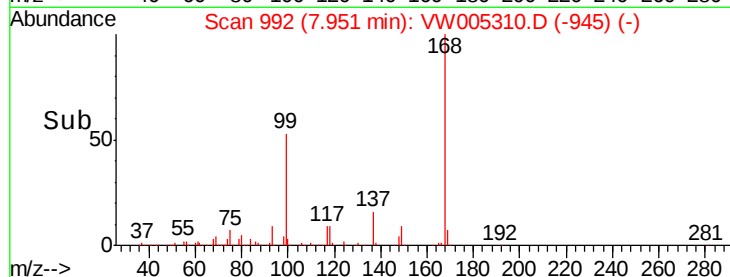
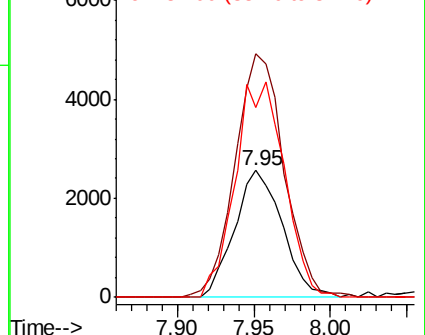
56 100

69 190.2 27.8 41.8#

84 150.0 72.1 108.1#



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: 53.508 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005310.D

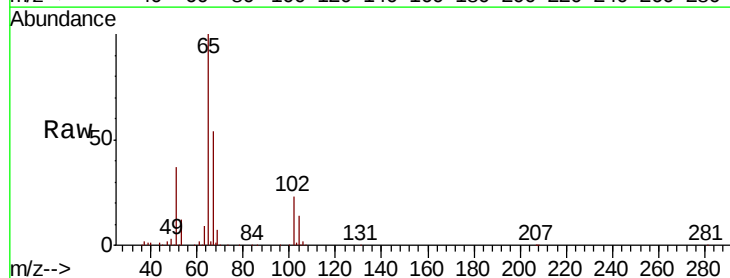
Acq: 12 Sep 2018 08:04

Tgt Ion: 65 Resp: 122306

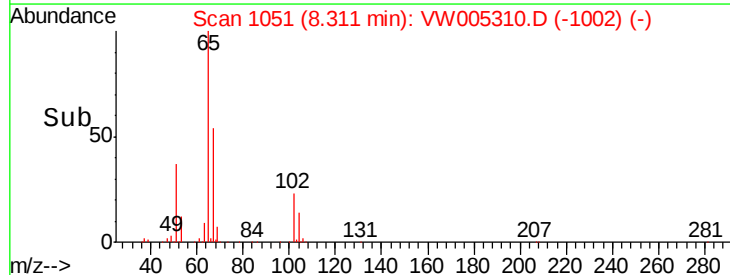
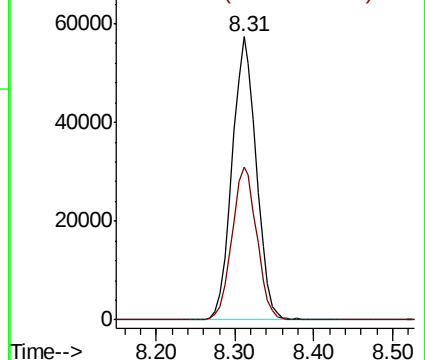
Ion Ratio Lower Upper

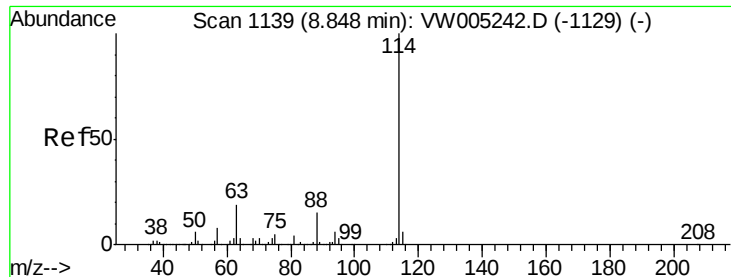
65 100

67 55.2 0.0 112.2



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

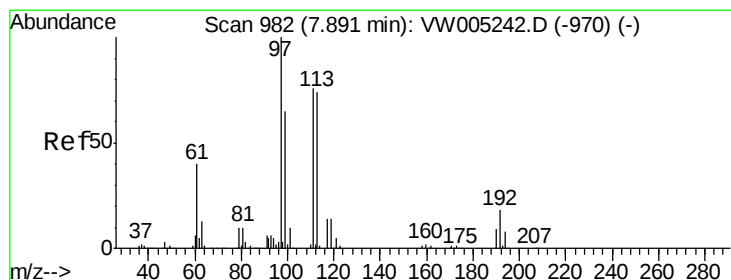
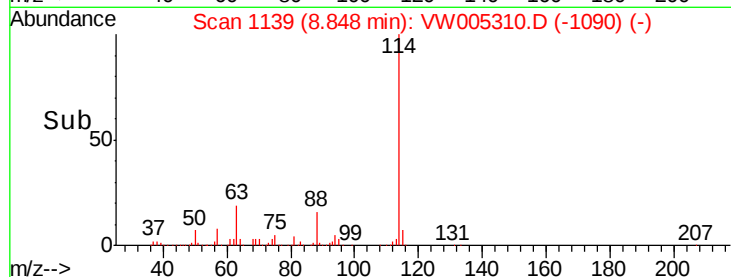
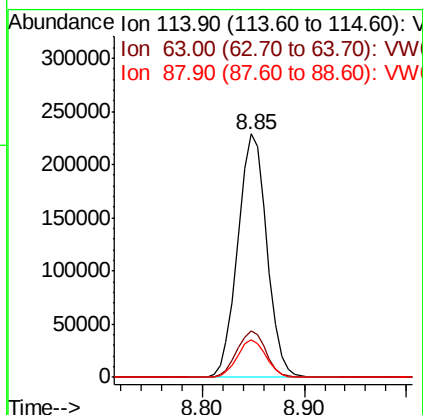
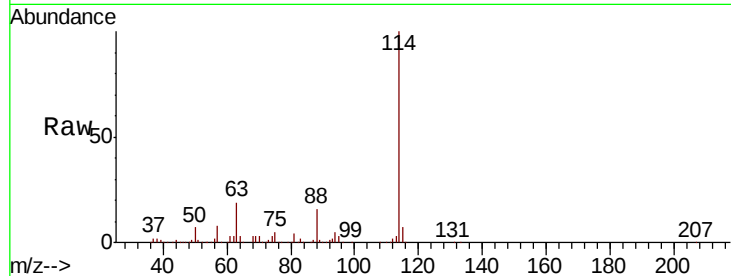




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005310.D
 Acq: 12 Sep 2018 08:04

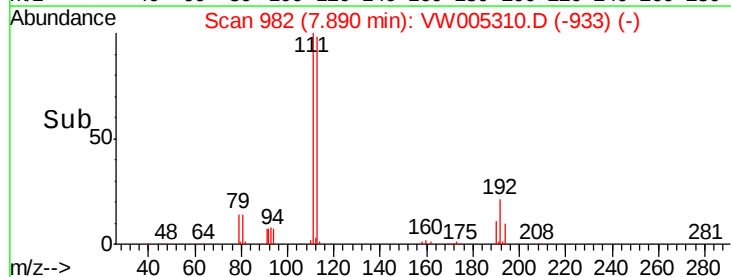
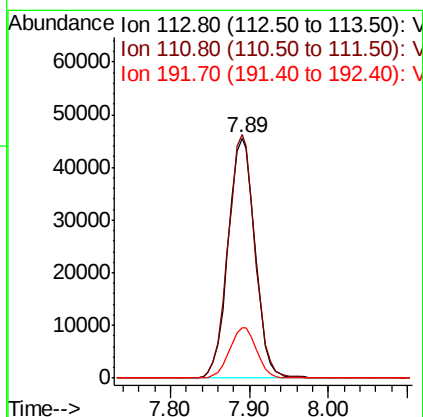
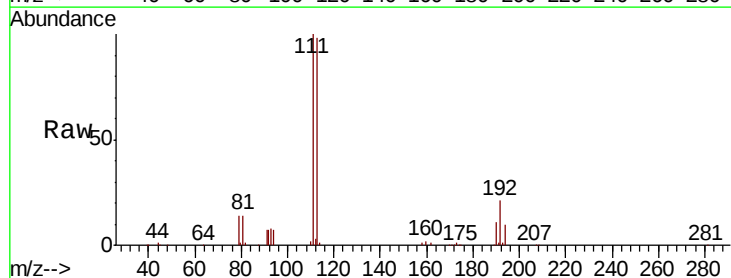
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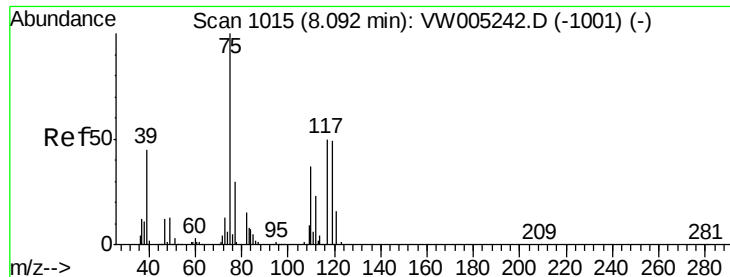
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	37.0
88	15.6	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 45.545 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005310.D
 Acq: 12 Sep 2018 08:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.6	121.0
192	21.2	18.3	27.5

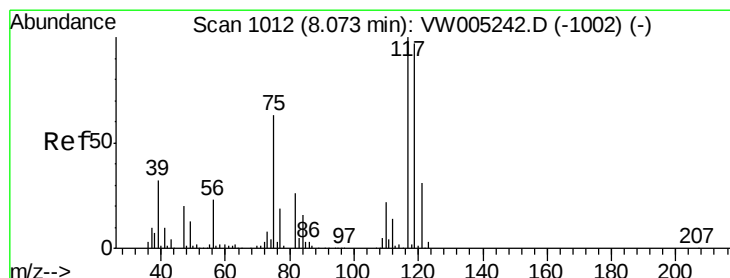
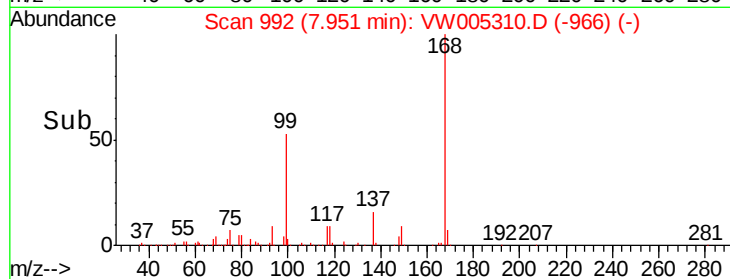
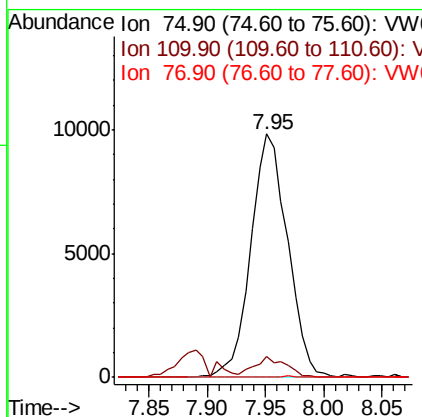
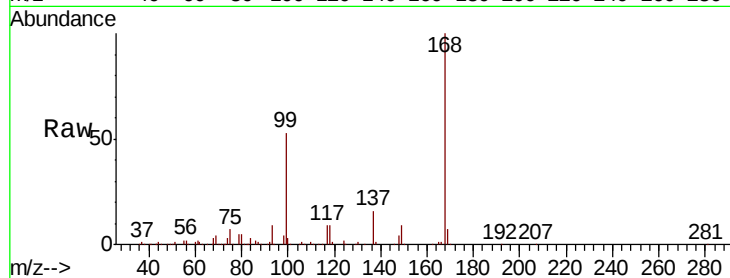




#36
 1,1-Dichloropropene
 Concen: 5.215 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VW005310.D
 Acq: 12 Sep 2018 08:04

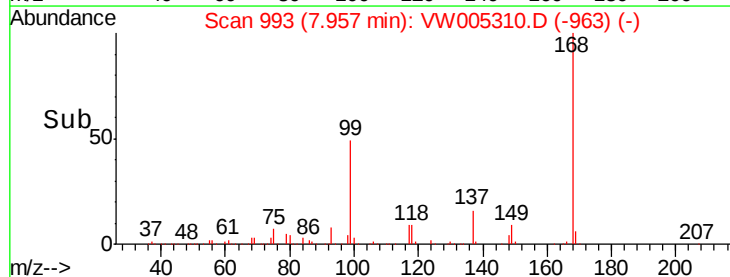
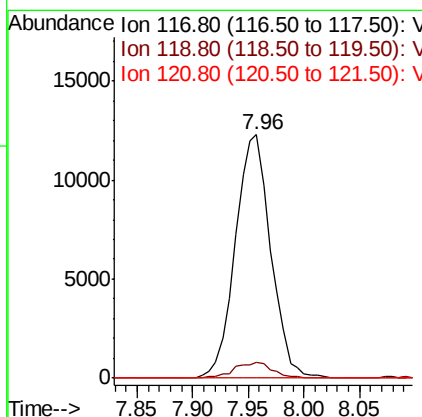
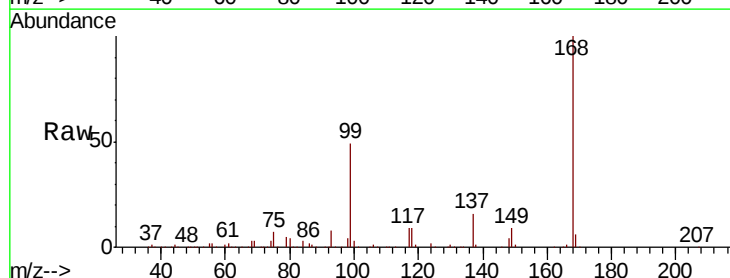
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-090718-ARE

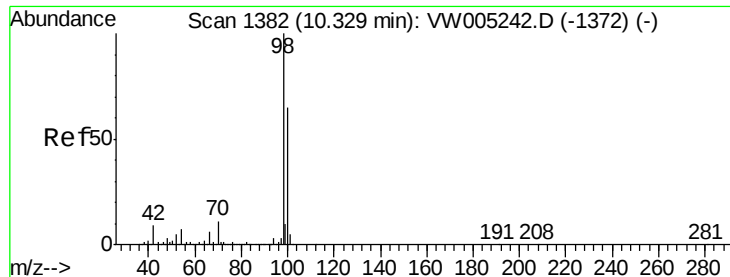
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	18.8	56.4#
77	0.1	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.979 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005310.D
 Acq: 12 Sep 2018 08:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.5	116.3#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 12.012 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005310.D

Acq: 12 Sep 2018 08:04

Instrument :

MSVOA_W

ClientSampleId :

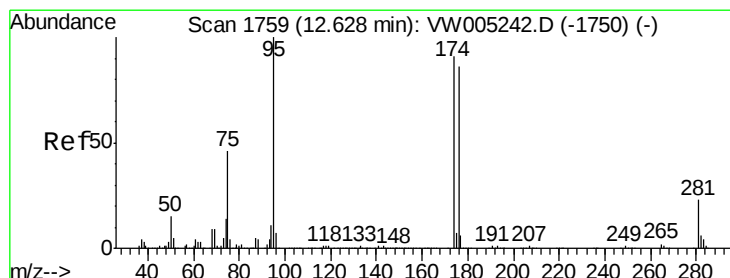
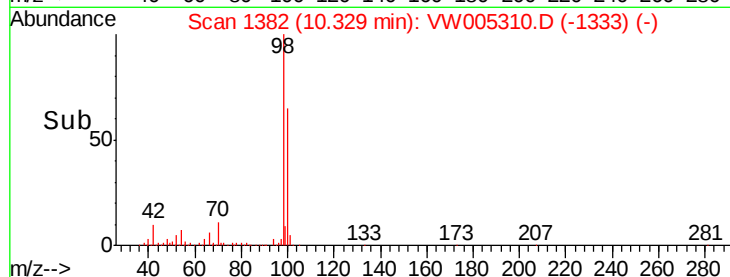
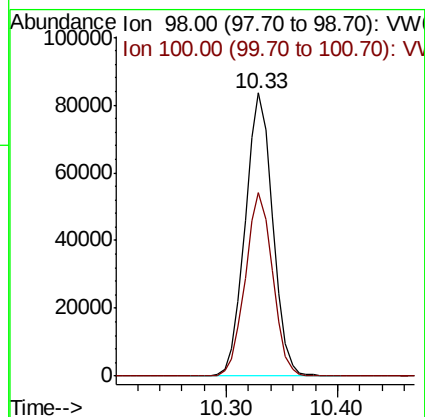
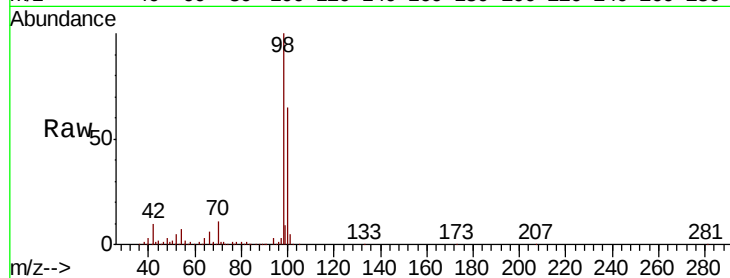
EO-02-090718-ARE

Tgt Ion: 98 Resp: 143485

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 25.458 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VW005310.D

Acq: 12 Sep 2018 08:04

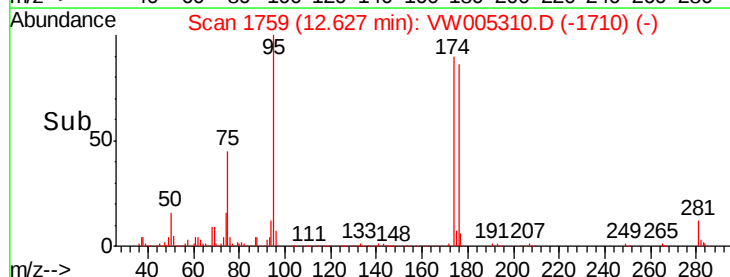
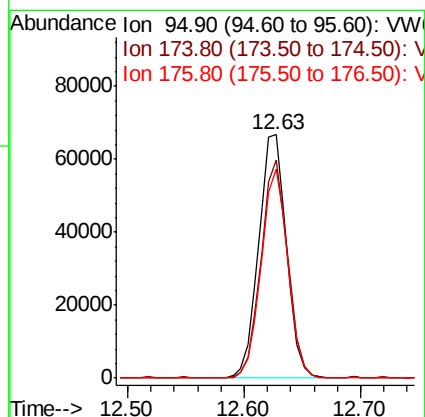
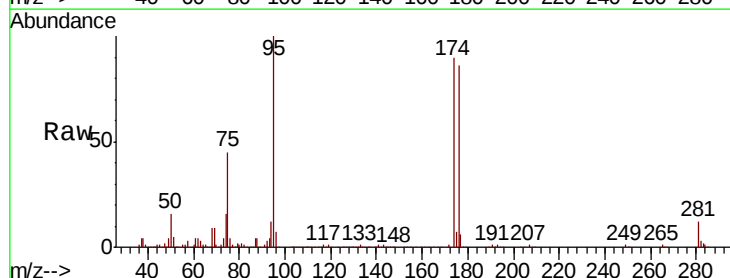
Tgt Ion: 95 Resp: 111228

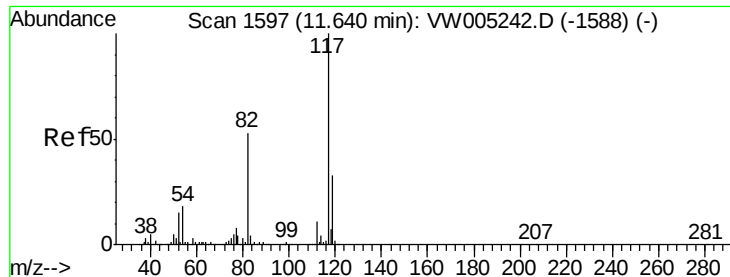
Ion Ratio Lower Upper

95 100

174 85.9 0.0 174.6

176 82.6 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005310.D

Acq: 12 Sep 2018 08:04

Instrument :

MSVOA_W

ClientSampleId :

EO-02-090718-ARE

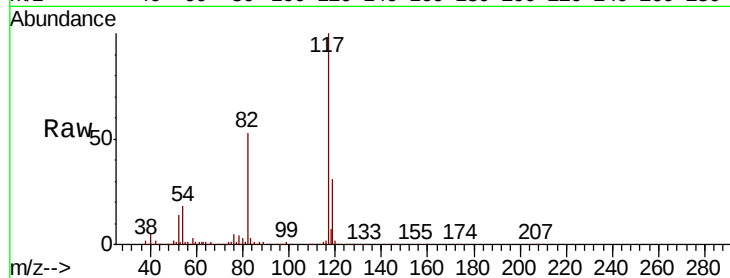
Tgt Ion:117 Resp: 160959

Ion Ratio Lower Upper

117 100

82 52.6 42.6 63.8

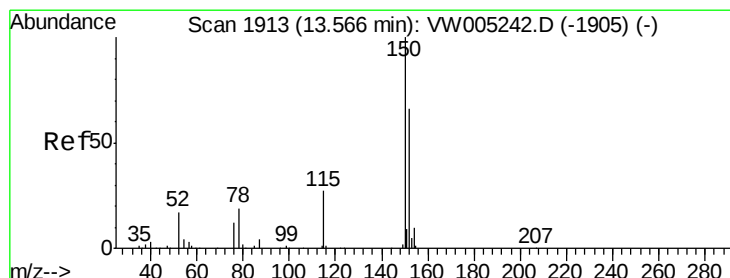
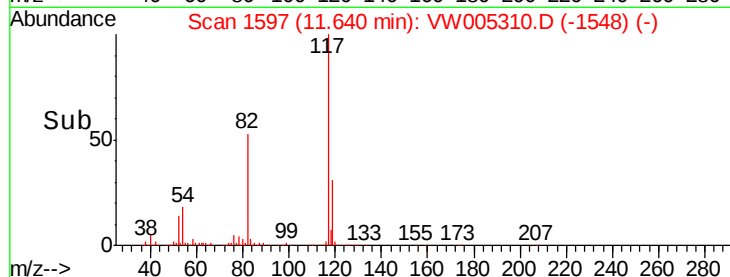
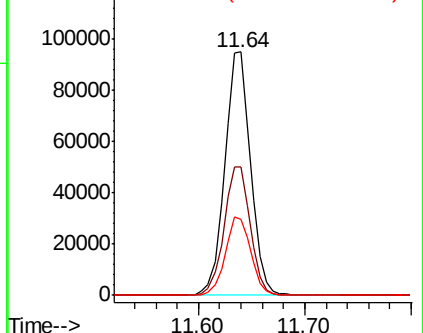
119 31.4 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005310.D

Acq: 12 Sep 2018 08:04

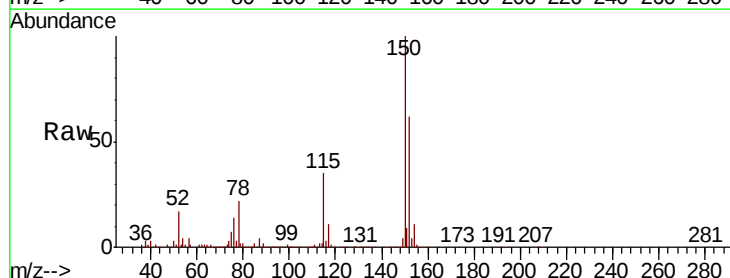
Tgt Ion:152 Resp: 117179

Ion Ratio Lower Upper

152 100

115 56.7 27.5 82.4

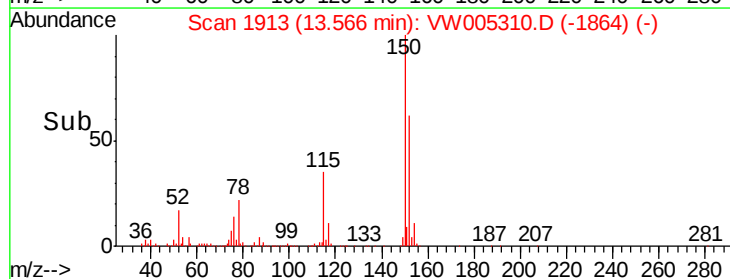
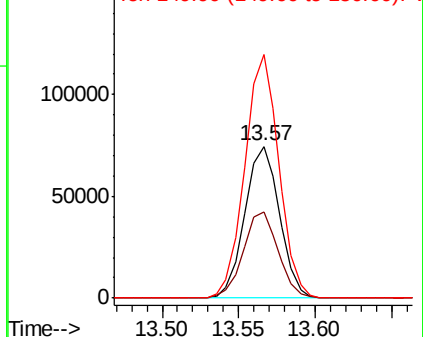
150 158.0 0.0 347.4

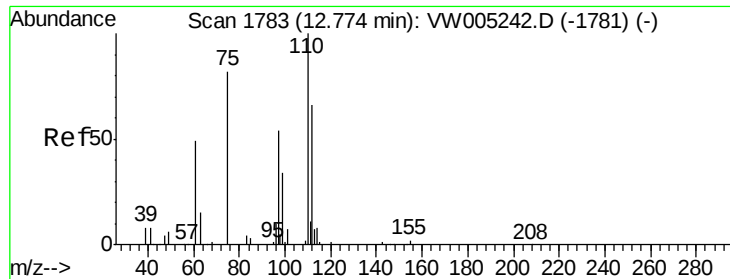


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 57.015 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005310.D

Acq: 12 Sep 2018 08:04

Instrument :

MSVOA_W

ClientSampleId :

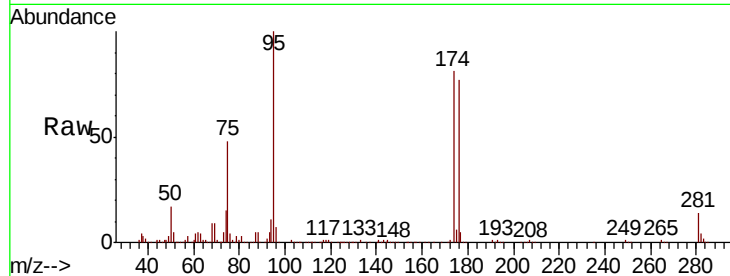
EO-02-090718-ARE

Tgt Ion: 75 Resp: 51387

Ion Ratio Lower Upper

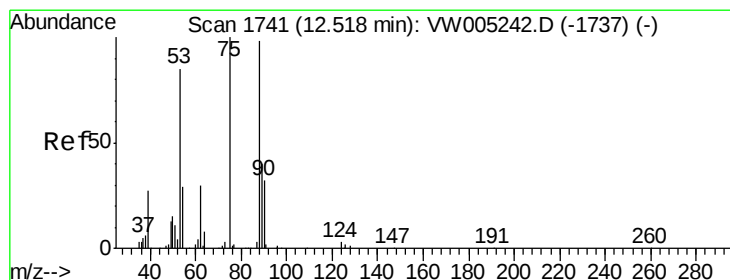
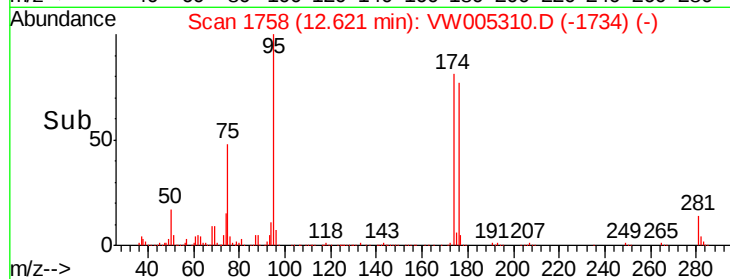
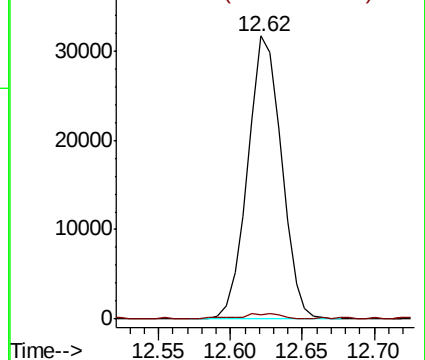
75 100

77 2.6 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: 133.714 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005310.D

Acq: 12 Sep 2018 08:04

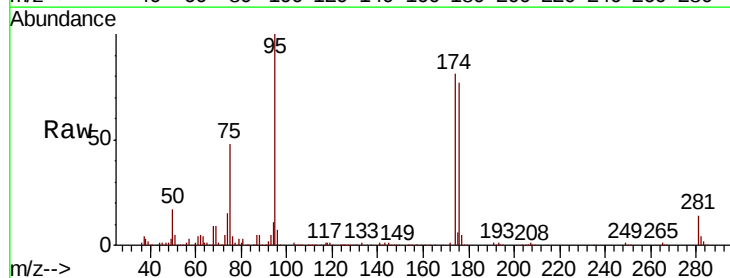
Tgt Ion: 75 Resp: 51387

Ion Ratio Lower Upper

75 100

53 0.5 67.0 100.6#

89 0.3 37.0 55.4#



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

