

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030819\
 Data File : VW009059.D
 Acq On : 08 Mar 2019 17:16
 Operator : SY/VA
 Sample : K1807-37
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-19

Quant Time: Mar 09 01:20:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	48001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	67215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	60469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	24129	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	28168	58.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.66%	
35) Dibromofluoromethane	7.88	113	23517	58.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.22%	
50) Toluene-d8	10.32	98	80976	48.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.62	95	24685	37.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	75.46%	

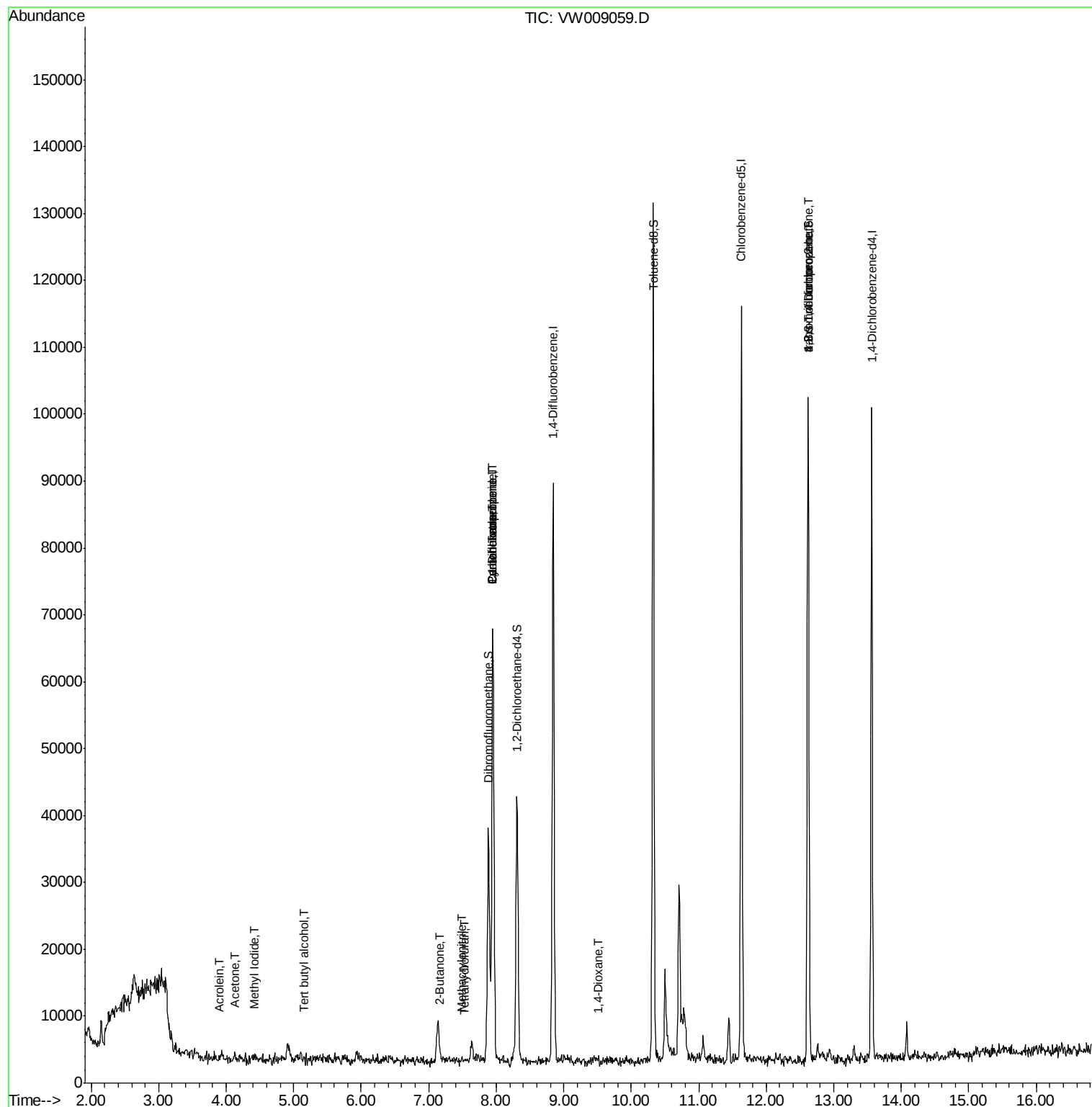
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.42	142	20	3.222	ug/l #	40
11) Tert butyl alcohol	5.15	59	351	9.485	ug/l #	50
13) Acrolein	3.90	56	100	2.456	ug/l #	70
16) Acetone	4.12	43	719	6.598	ug/l #	47
20) Methylene Chloride	4.90	84	657	Below Cal	#	59
25) 2-Butanone	7.17	43	226	1.501	ug/l #	50
29) Tetrahydrofuran	7.54	42	414	4.362	ug/l #	56
31) Cyclohexane	7.95	56	1416	1.572	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	3808	5.418	ug/l #	47
38) Carbon Tetrachloride	7.95	117	4760	6.558	ug/l #	16
41) Methacrylonitrile	7.49	41	253	1.380	ug/l #	61
49) 1,4-Dioxane	9.51	88	46	12.518	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	13748	72.115	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	13748	161.303	ug/l #	6

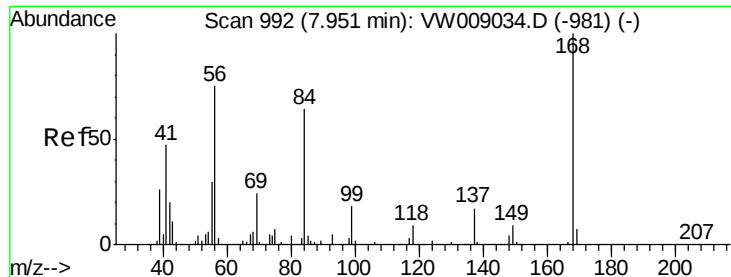
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009059.D

Acq: 08 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleID :

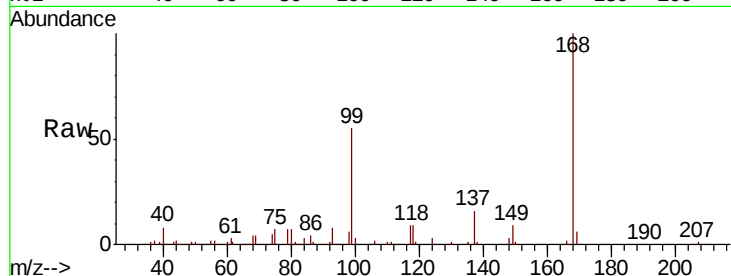
TP-19

Tot Ion:168 Resp: 48001

Ion Ratio Lower Upper

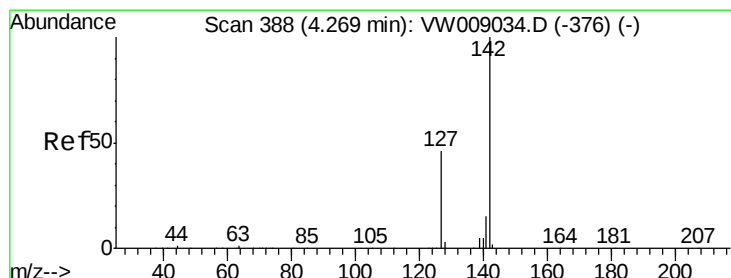
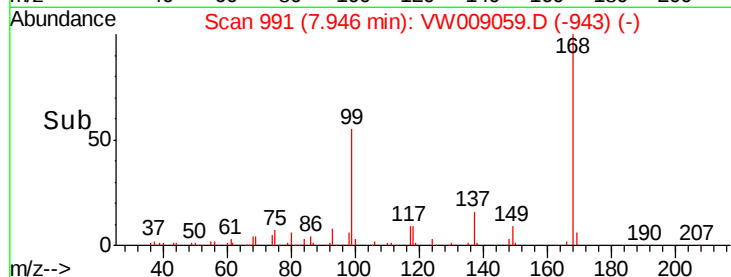
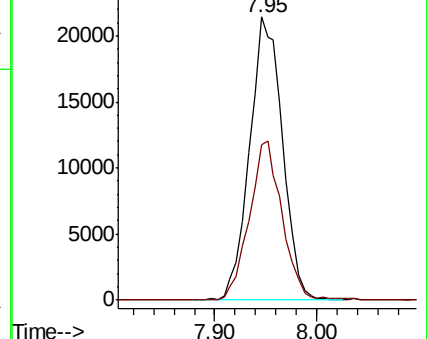
168 100

99 54.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 3.222 ug/l

RT: 4.42 min Scan# 413

Delta R.T. 0.15 min

Lab File: VW009059.D

Acq: 08 Mar 2019 17:16

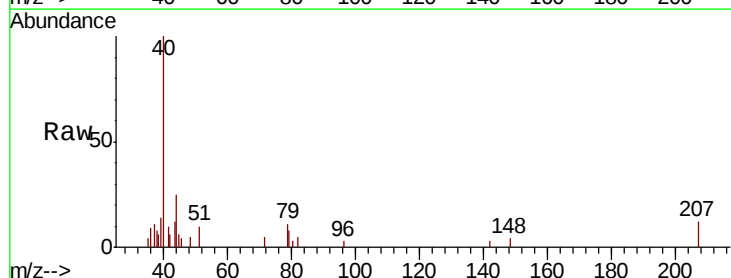
Tgt Ion:142 Resp: 20

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

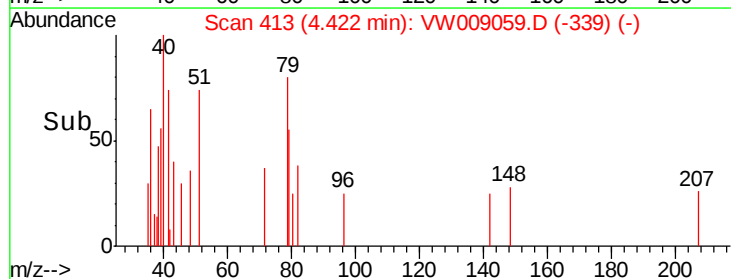
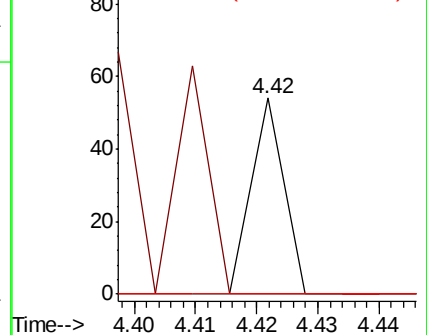
141 0.0 11.8 17.8#

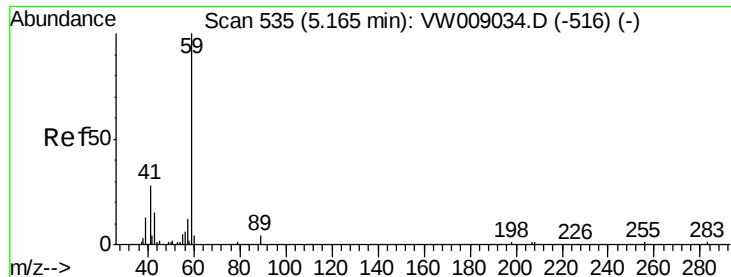


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

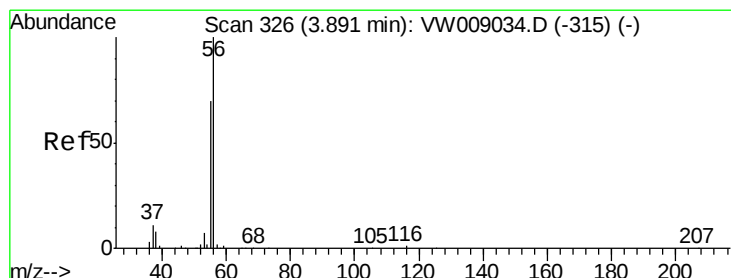
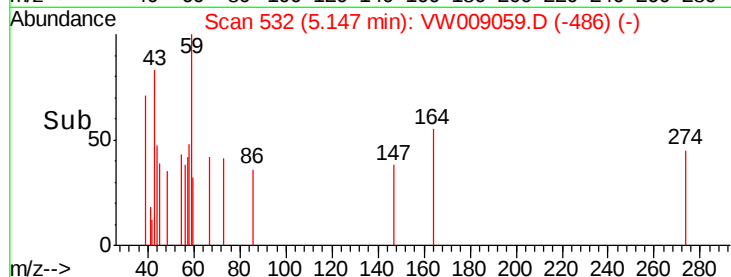
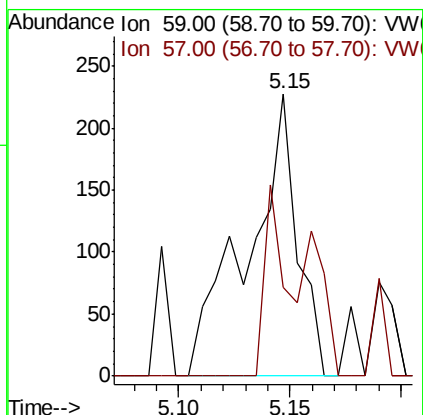
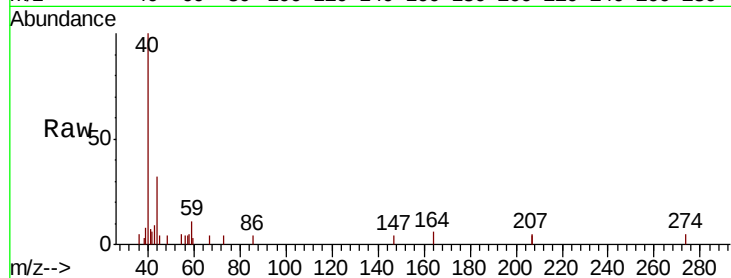




#11
Tert butyl alcohol
Concen: 9.485 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.02 min
Lab File: VW009059.D
Acq: 08 Mar 2019 17:16

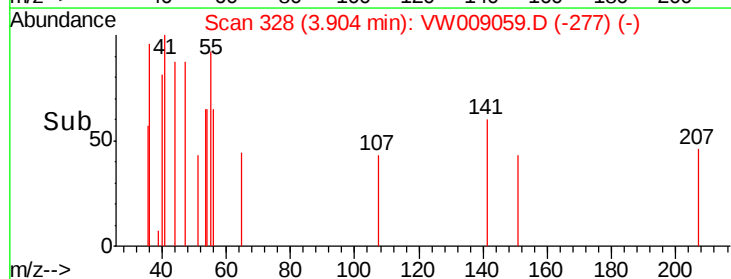
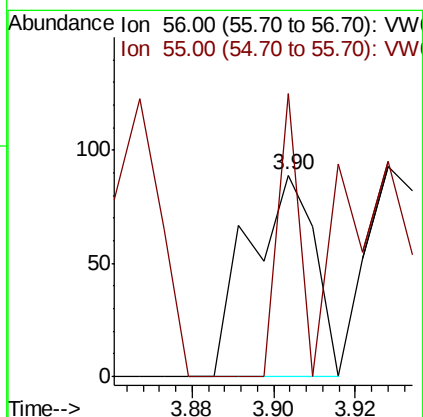
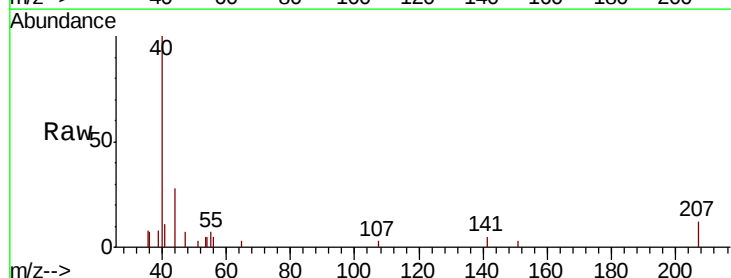
Instrument :
MSVOA_W
ClientSampled :
TP-19

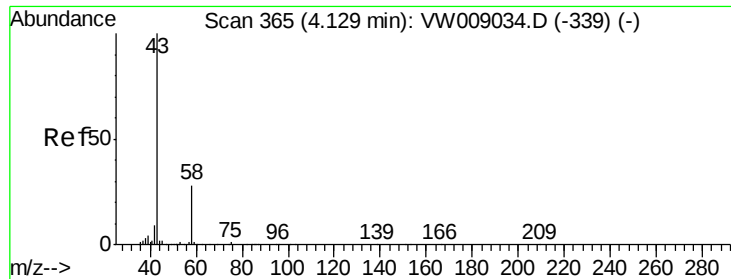
Tot Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 29.6 8.6 12.8#



#13
Acrolein
Concen: 2.456 ug/l
RT: 3.90 min Scan# 328
Delta R.T. 0.01 min
Lab File: VW009059.D
Acq: 08 Mar 2019 17:16

Tgt Ion: 56 Resp: 100
Ion Ratio Lower Upper
56 100
55 46.0 56.6 84.8#





#16

Acetone

Concen: 6.598 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW009059.D

Acq: 08 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampled :

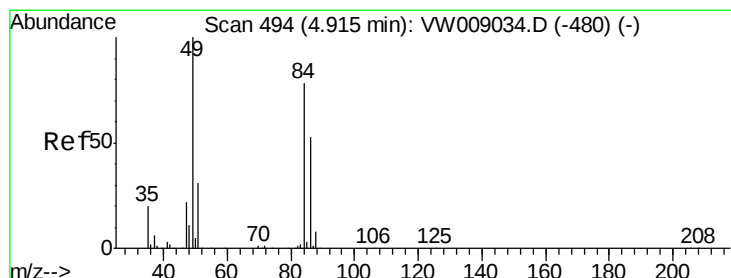
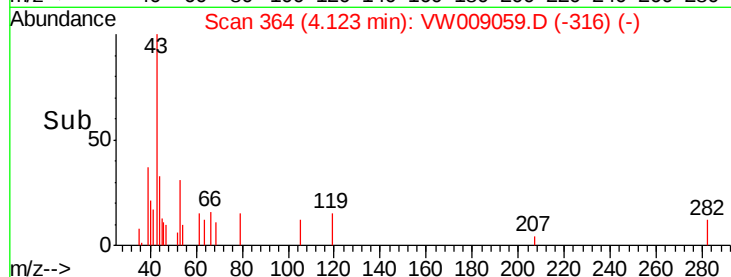
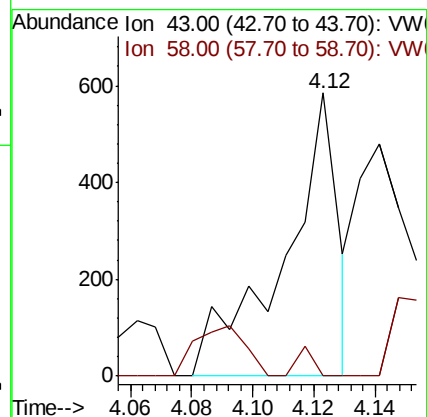
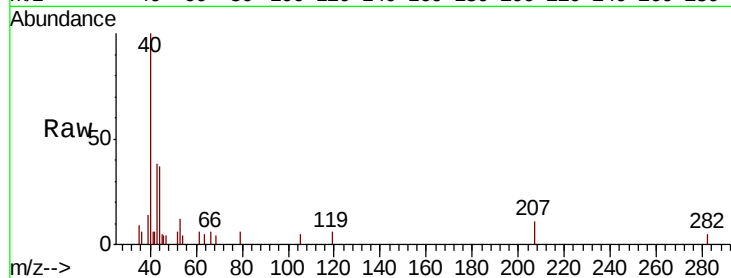
TP-19

Tot Ion: 43 Resp: 719

Ion Ratio Lower Upper

43 100

58 0.0 22.5 33.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW009059.D

Acq: 08 Mar 2019 17:16

Tgt Ion: 84 Resp: 657

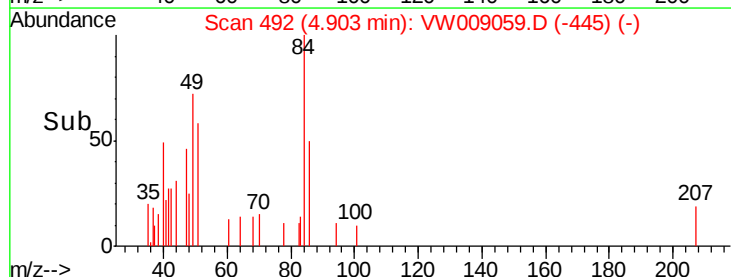
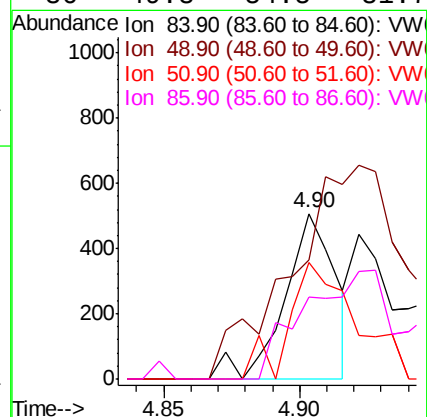
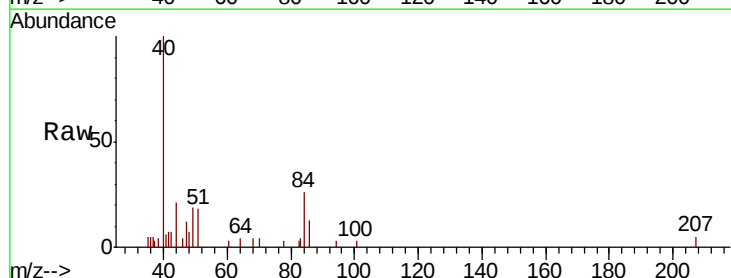
Ion Ratio Lower Upper

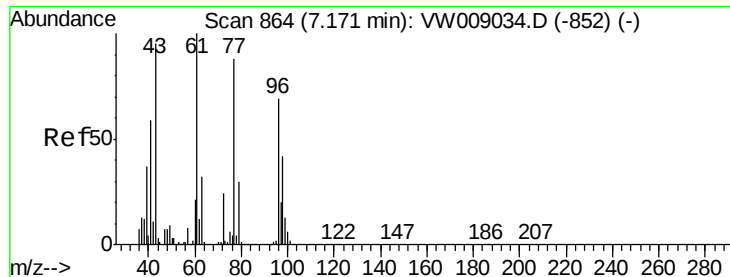
84 100

49 71.9 102.4 153.6#

51 70.1 31.6 47.4#

86 49.8 54.5 81.7#





#25

2-Butanone

Concen: 1.501 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009059.D

Acq: 08 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampled :

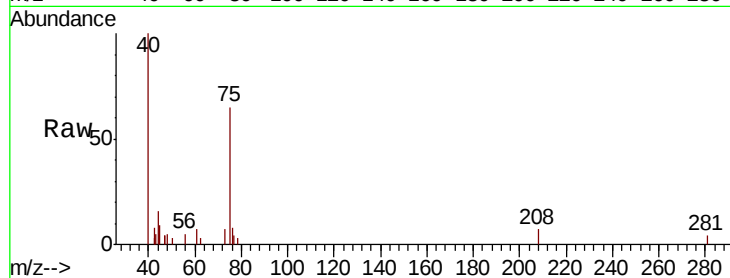
TP-19

Tot Ion: 43 Resp: 226

Ion Ratio Lower Upper

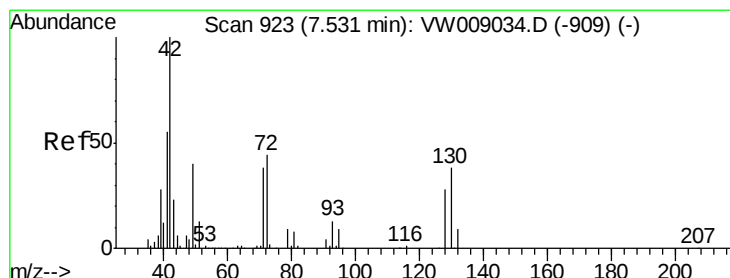
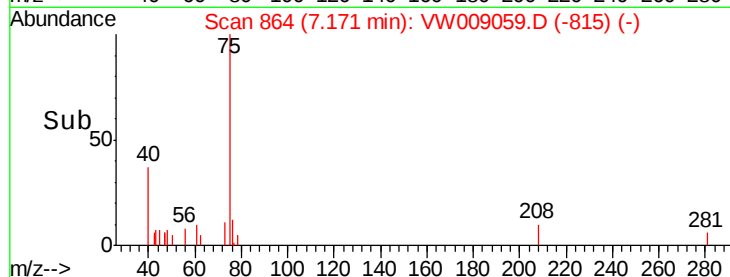
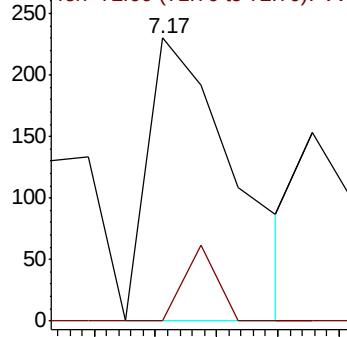
43 100

72 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 4.362 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW009059.D

Acq: 08 Mar 2019 17:16

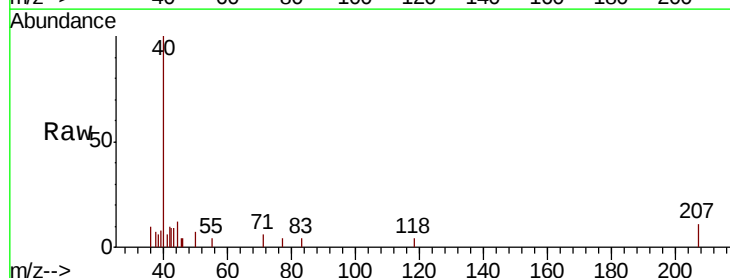
Tgt Ion: 42 Resp: 414

Ion Ratio Lower Upper

42 100

72 0.0 32.2 48.4#

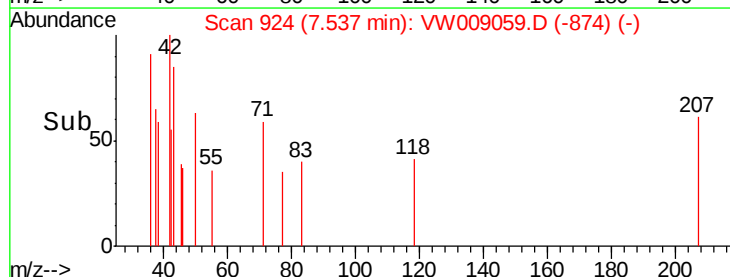
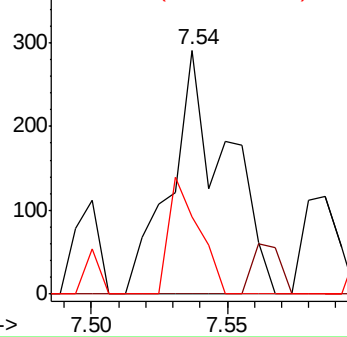
71 25.6 30.7 46.1#

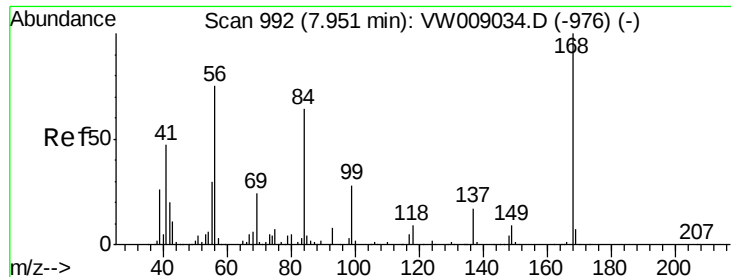


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

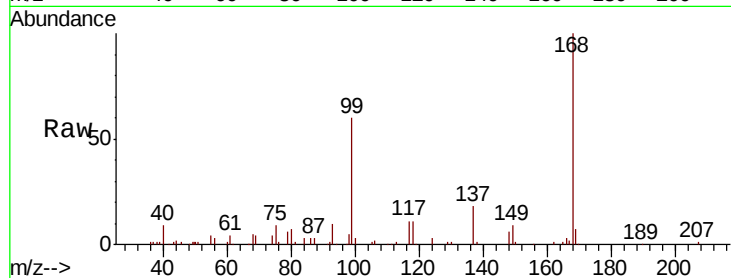




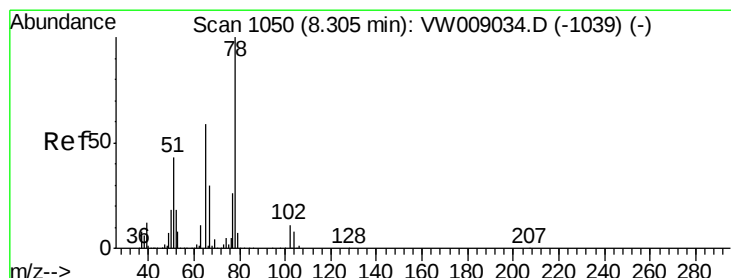
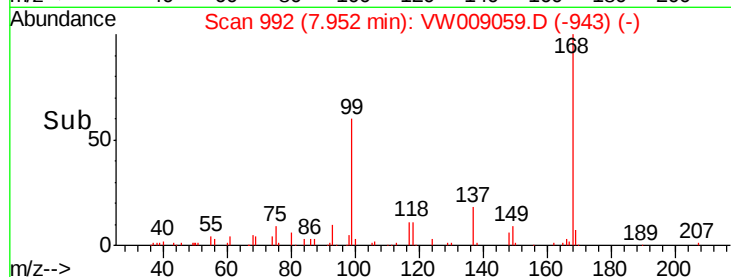
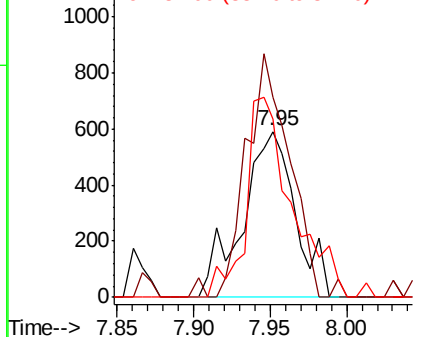
#31
Cyclohexane
Concen: 1.572 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009059.D
Acq: 08 Mar 2019 17:16

Instrument :
MSVOA_W
ClientSampled :
TP-19

Tot Ion: 56 Resp: 1416
Ion Ratio Lower Upper
56 100
69 121.0 25.5 38.3#
84 107.6 68.6 103.0#

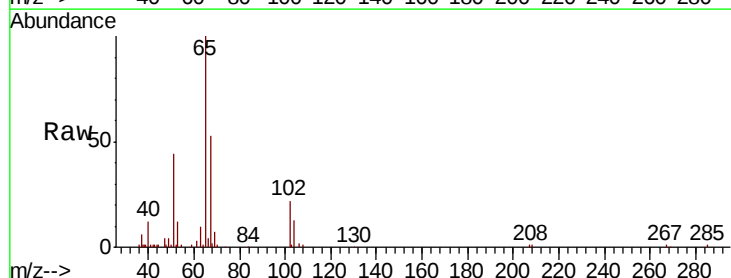


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

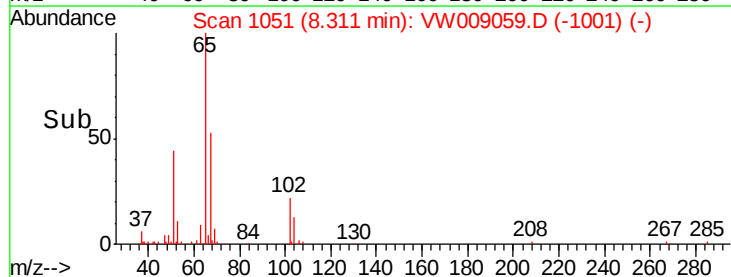
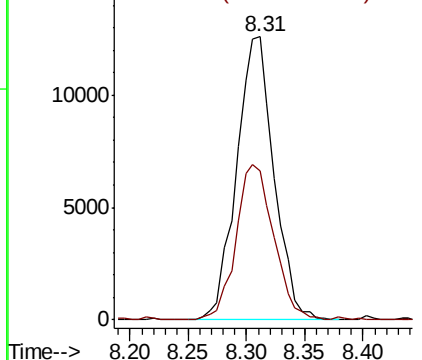


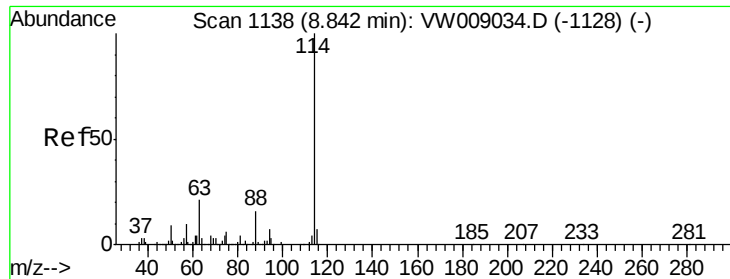
#33
1,2-Dichloroethane-d4
Concen: 58.326 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VW009059.D
Acq: 08 Mar 2019 17:16

Tgt Ion: 65 Resp: 28168
Ion Ratio Lower Upper
65 100
67 55.2 0.0 103.0



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

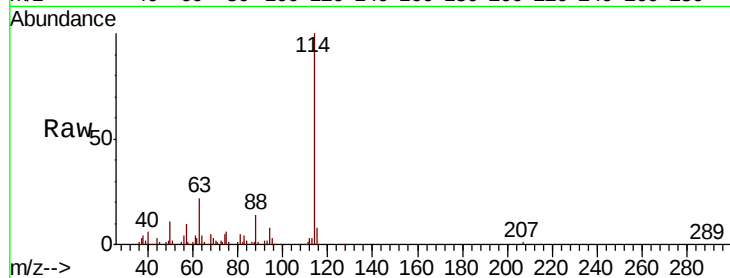




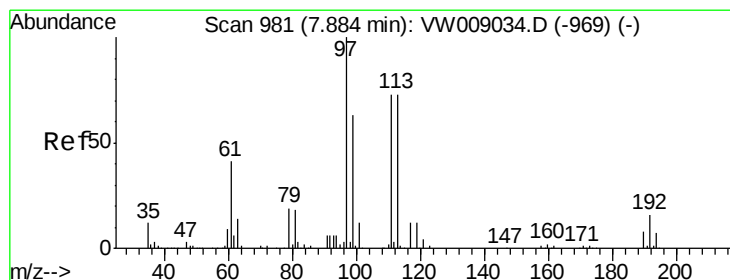
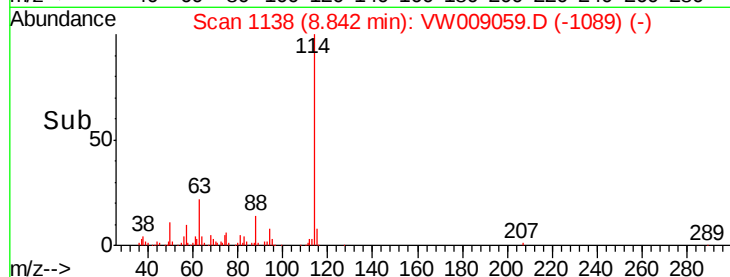
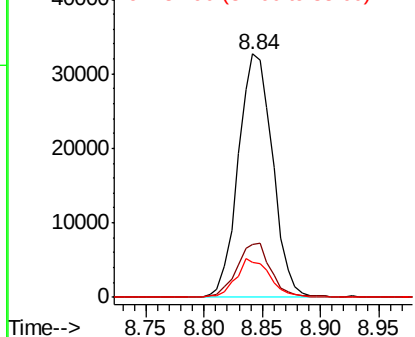
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009059.D
 Acq: 08 Mar 2019 17:16

Instrument :
 MSVOA_W
 ClientSampleId :
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Tot Ion:114 Resp: 67215
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 41.2
 88 14.4 0.0 31.2

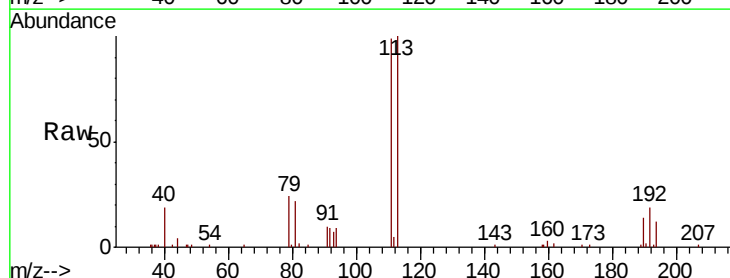


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

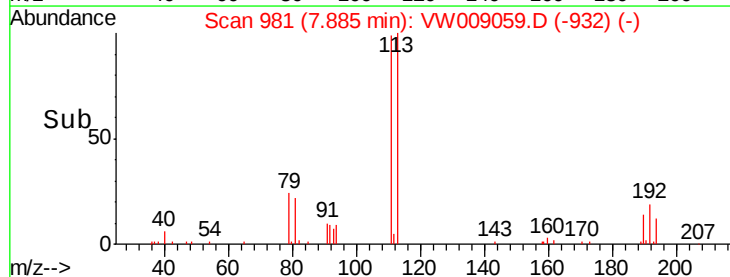
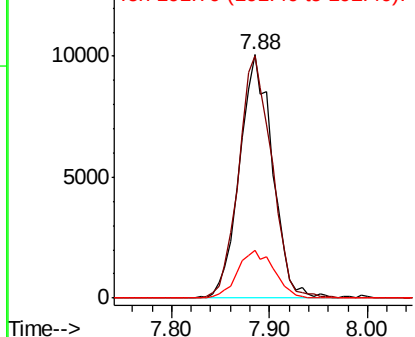


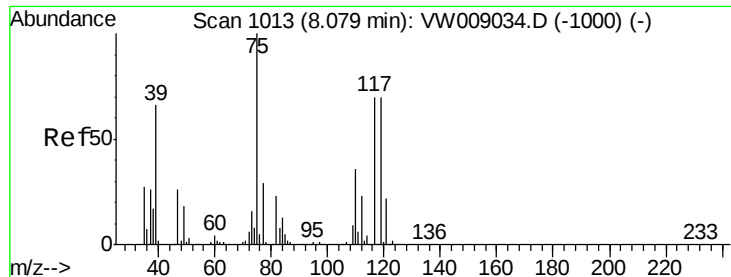
#35
 Dibromofluoromethane
 Concen: 58.111 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009059.D
 Acq: 08 Mar 2019 17:16

Tgt Ion:113 Resp: 23517
 Ion Ratio Lower Upper
 113 100
 111 99.9 81.0 121.4
 192 21.7 17.1 25.7



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

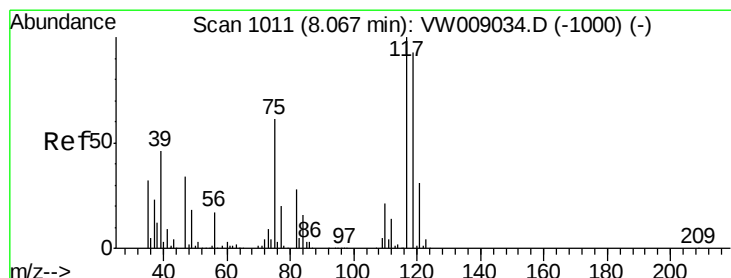
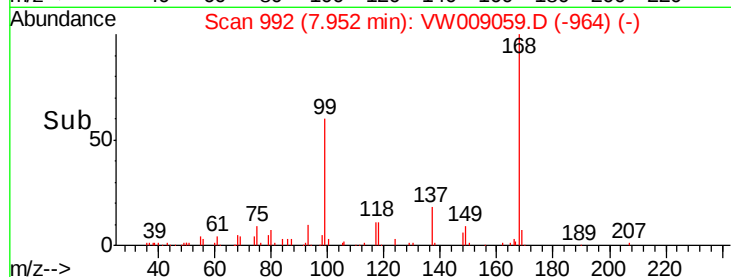
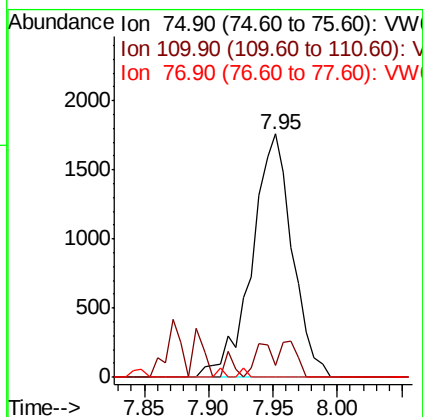
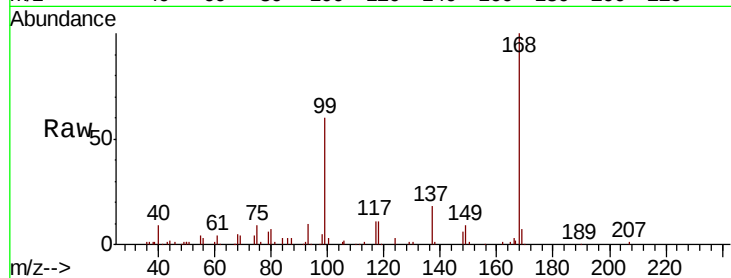




#36
 1,1-Dichloropropene
 Concen: 5.418 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW009059.D
 Acq: 08 Mar 2019 17:16

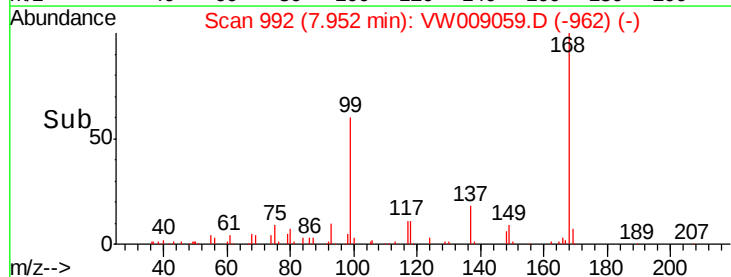
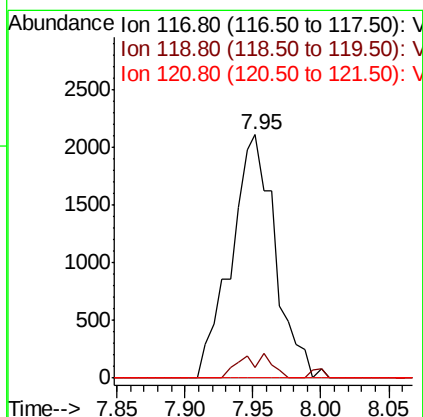
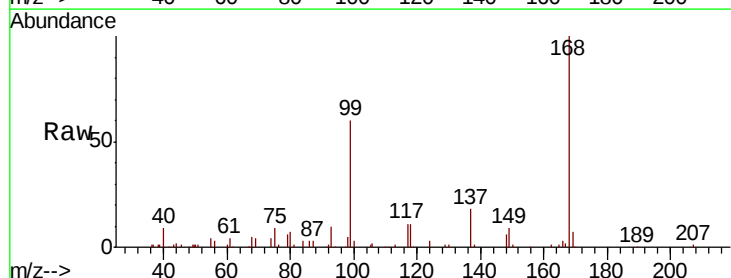
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-19

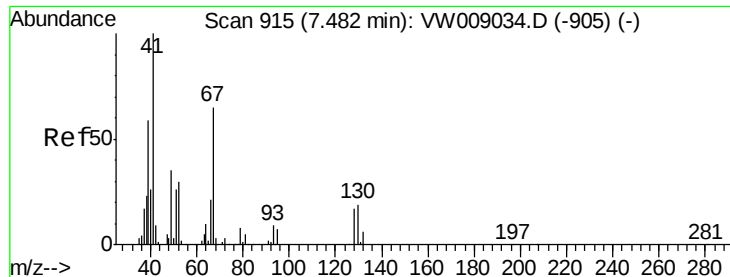
Tot Ion: 75 Resp: 3808
 Ion Ratio Lower Upper
 75 100
 110 6.1 17.6 52.9#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.558 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW009059.D
 Acq: 08 Mar 2019 17:16

Tgt Ion: 117 Resp: 4760
 Ion Ratio Lower Upper
 117 100
 119 4.3 74.6 112.0#
 121 0.0 24.7 37.1#

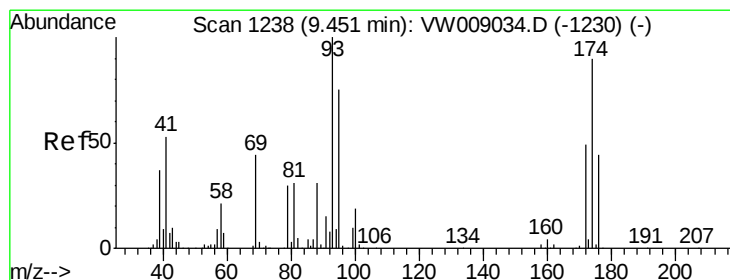
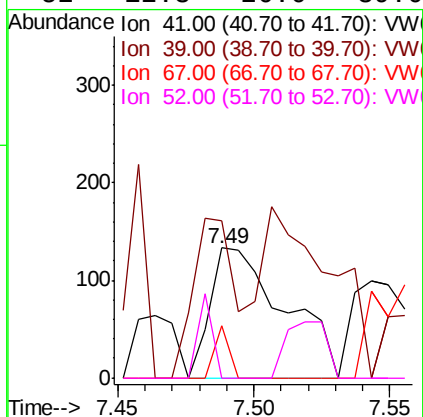
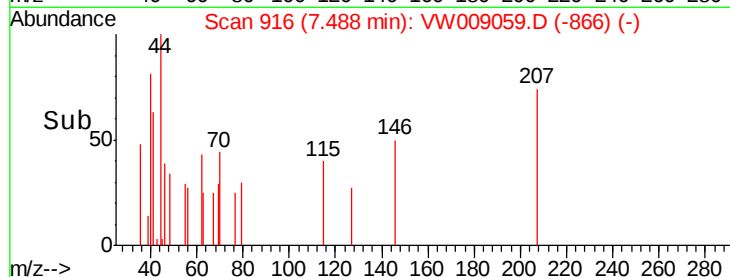
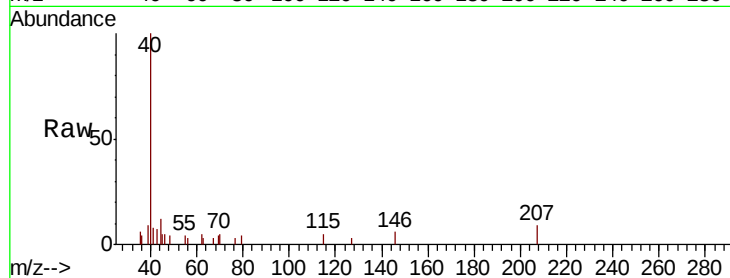




#41
Methacrylonitrile
Concen: 1.380 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009059.D
Acq: 08 Mar 2019 17:16

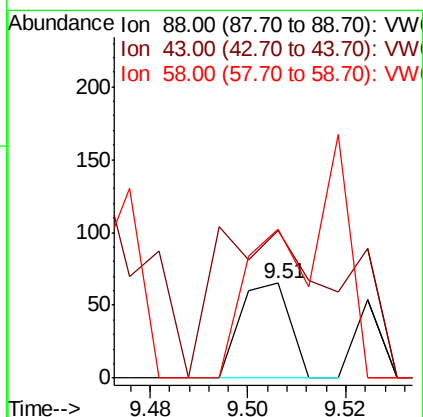
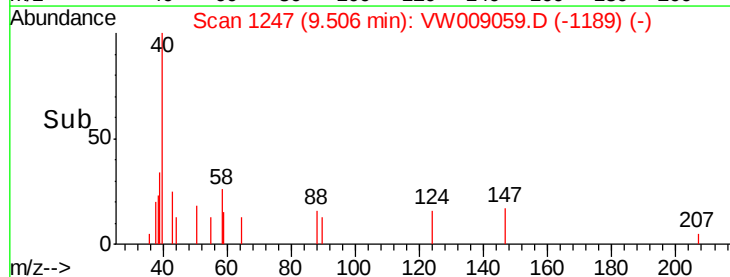
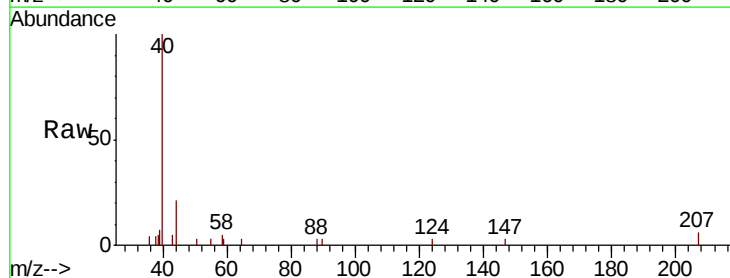
Instrument :
MSVOA_W
ClientSampled :
TP-19

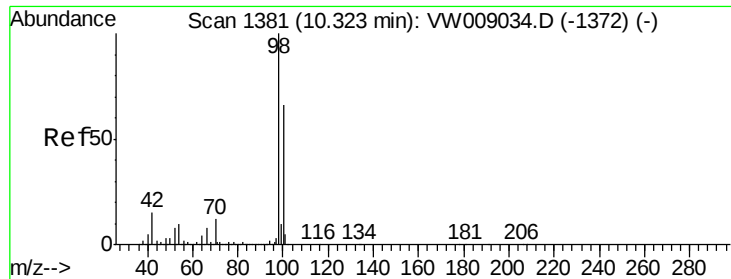
Tot Ion: 41 Resp: 253
Ion Ratio Lower Upper
41 100
39 66.4 53.6 80.4
67 7.9 57.6 86.4#
52 12.3 26.0 39.0#



#49
1,4-Dioxane
Concen: 12.518 ug/l
RT: 9.51 min Scan# 1247
Delta R.T. 0.06 min
Lab File: VW009059.D
Acq: 08 Mar 2019 17:16

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 397.8 29.0 43.4#
58 0.0 59.2 88.8#





#50

Toluene-d8

Concen: 48.718 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009059.D

Acq: 08 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampled :

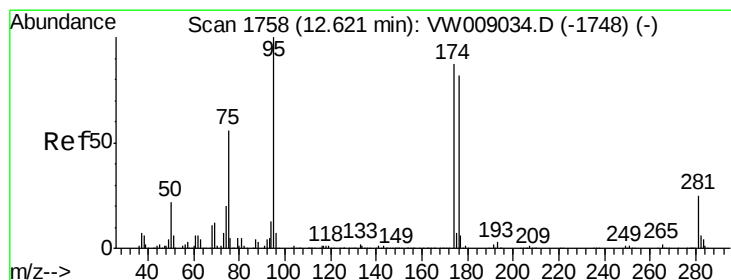
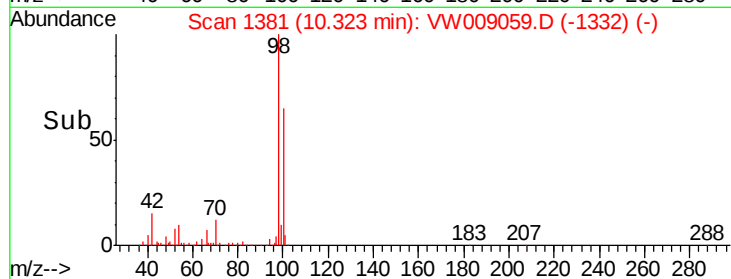
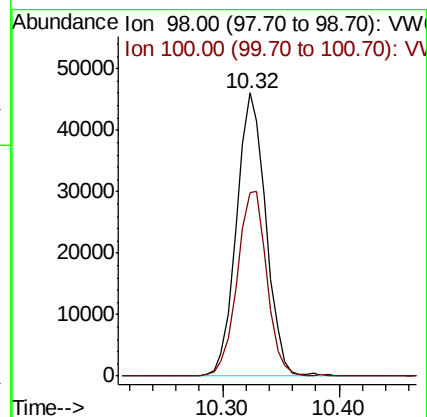
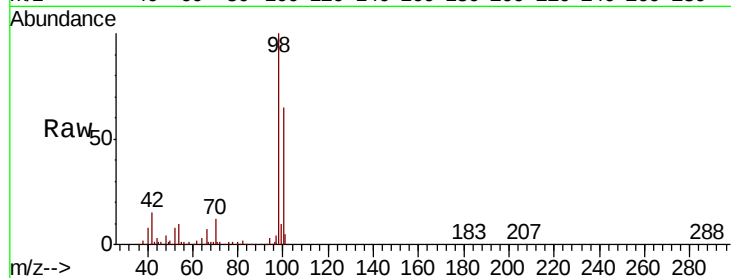
TP-19

Tot Ion: 98 Resp: 80976

Ion Ratio Lower Upper

98 100

100 66.0 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 37.726 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009059.D

Acq: 08 Mar 2019 17:16

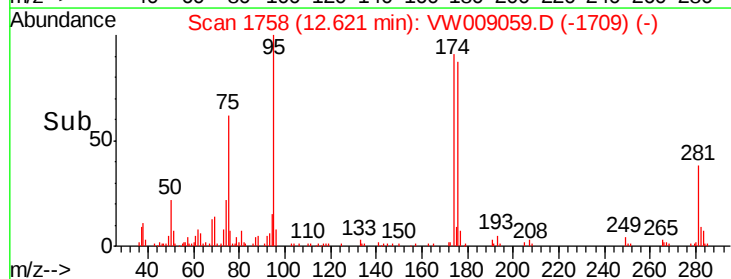
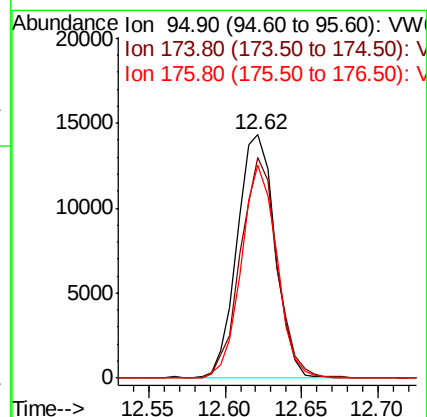
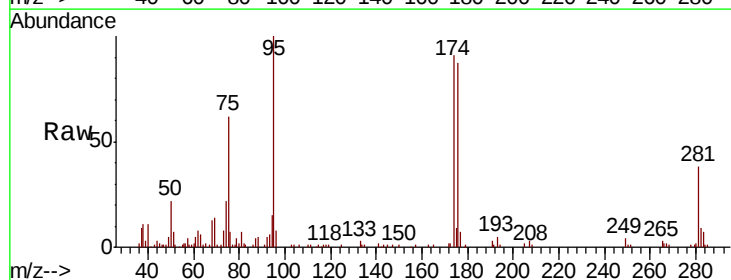
Tgt Ion: 95 Resp: 24685

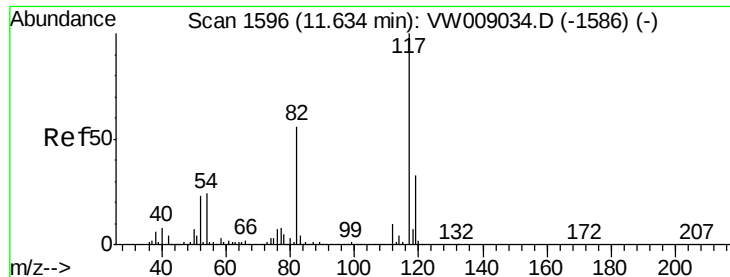
Ion Ratio Lower Upper

95 100

174 87.1 0.0 167.0

176 82.0 0.0 159.4

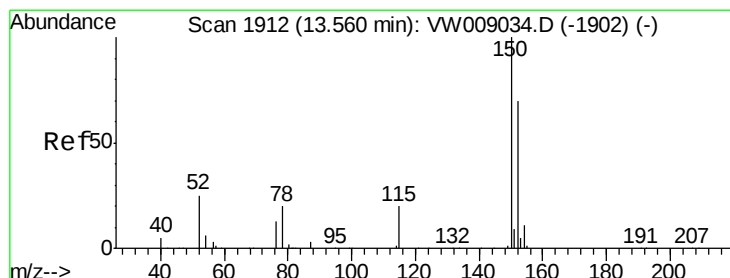
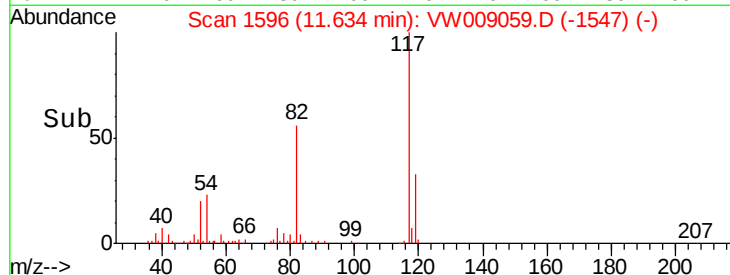
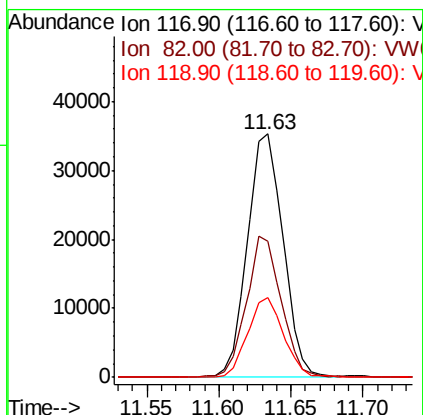
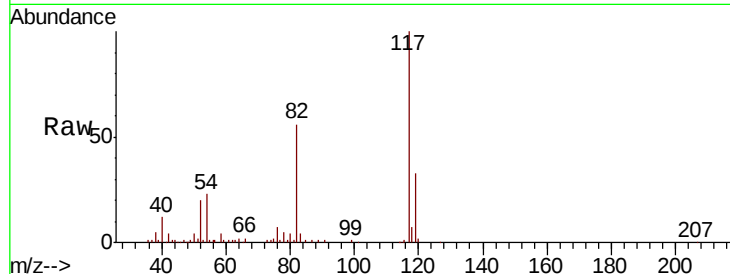




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009059.D
Acq: 08 Mar 2019 17:16

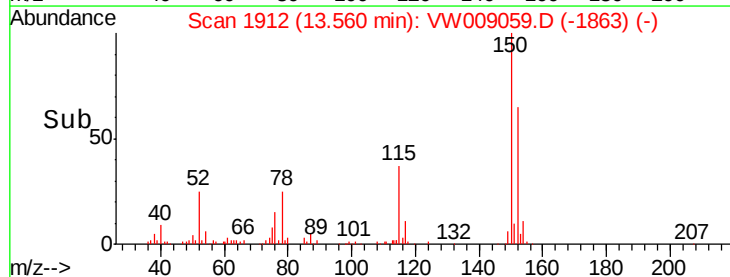
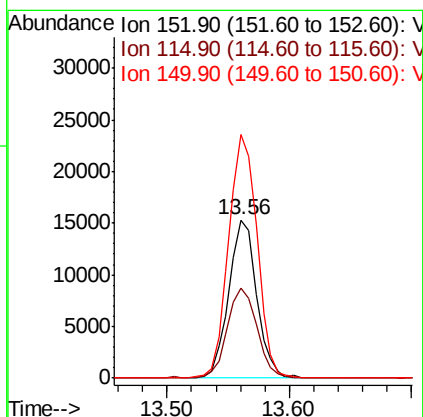
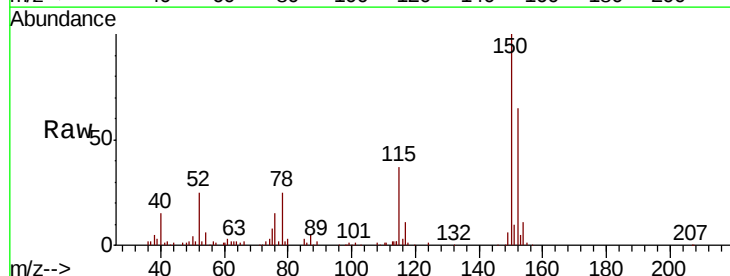
Instrument :
MSVOA_W
ClientSampled :
TP-19

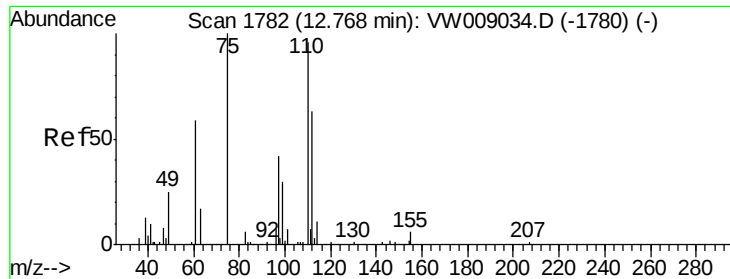
Tot Ion:117 Resp: 60469
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.6
119 32.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009059.D
Acq: 08 Mar 2019 17:16

Tgt Ion:152 Resp: 24129
Ion Ratio Lower Upper
152 100
115 60.4 28.9 86.7
150 156.9 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 72.115 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009059.D

Acq: 08 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampled :

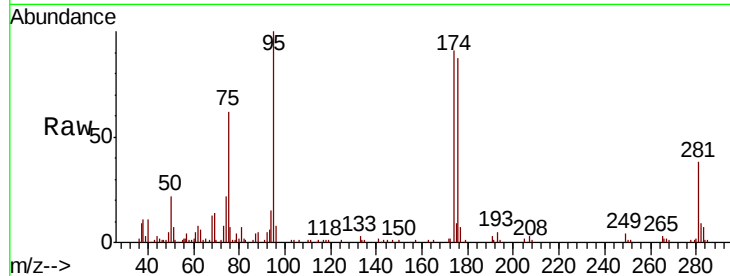
TP-19

Tot Ion: 75 Resp: 13748

Ion Ratio Lower Upper

75 100

77 2.6 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

10000

8000

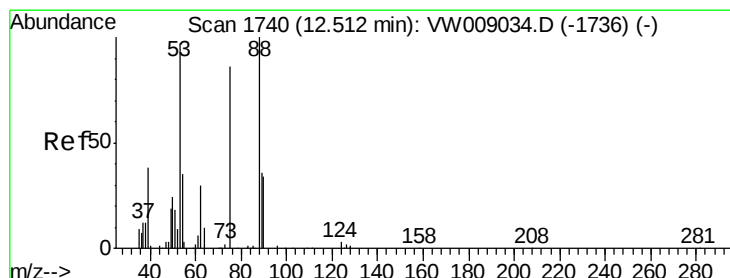
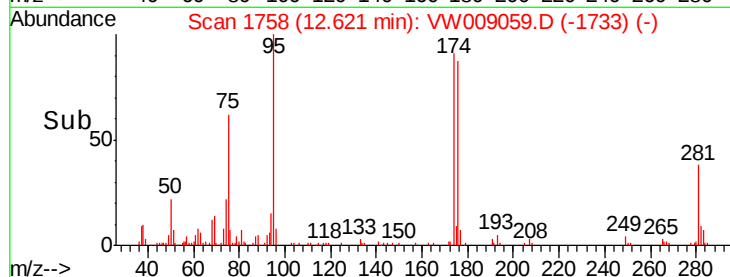
6000

4000

2000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 161.303 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009059.D

Acq: 08 Mar 2019 17:16

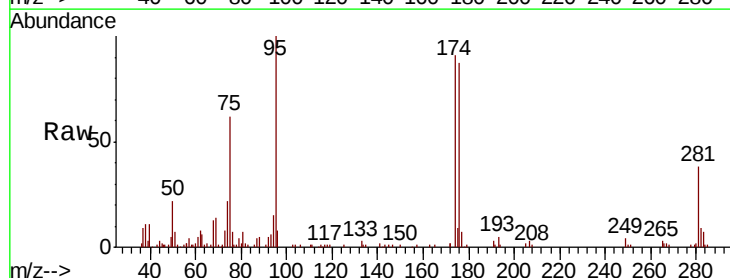
Tgt Ion: 75 Resp: 13748

Ion Ratio Lower Upper

75 100

53 1.4 90.5 135.7#

89 0.0 37.5 56.3#



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

12000

10000

8000

6000

4000

2000

0

Time-->

