

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030219\
 Data File : VW008953.D
 Acq On : 02 Mar 2019 06:53
 Operator : SY/VA
 Sample : K1675-29RE
 Misc : 6.39G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-13-A

Quant Time: Mar 03 23:52:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	305429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	429391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	201851	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	178304	62.24	ug/l	0.00
Spiked Amount			Recovery	=	124.48%	
35) Dibromofluoromethane	7.88	113	152608	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
50) Toluene-d8	10.32	98	574908	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.62	95	197610	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

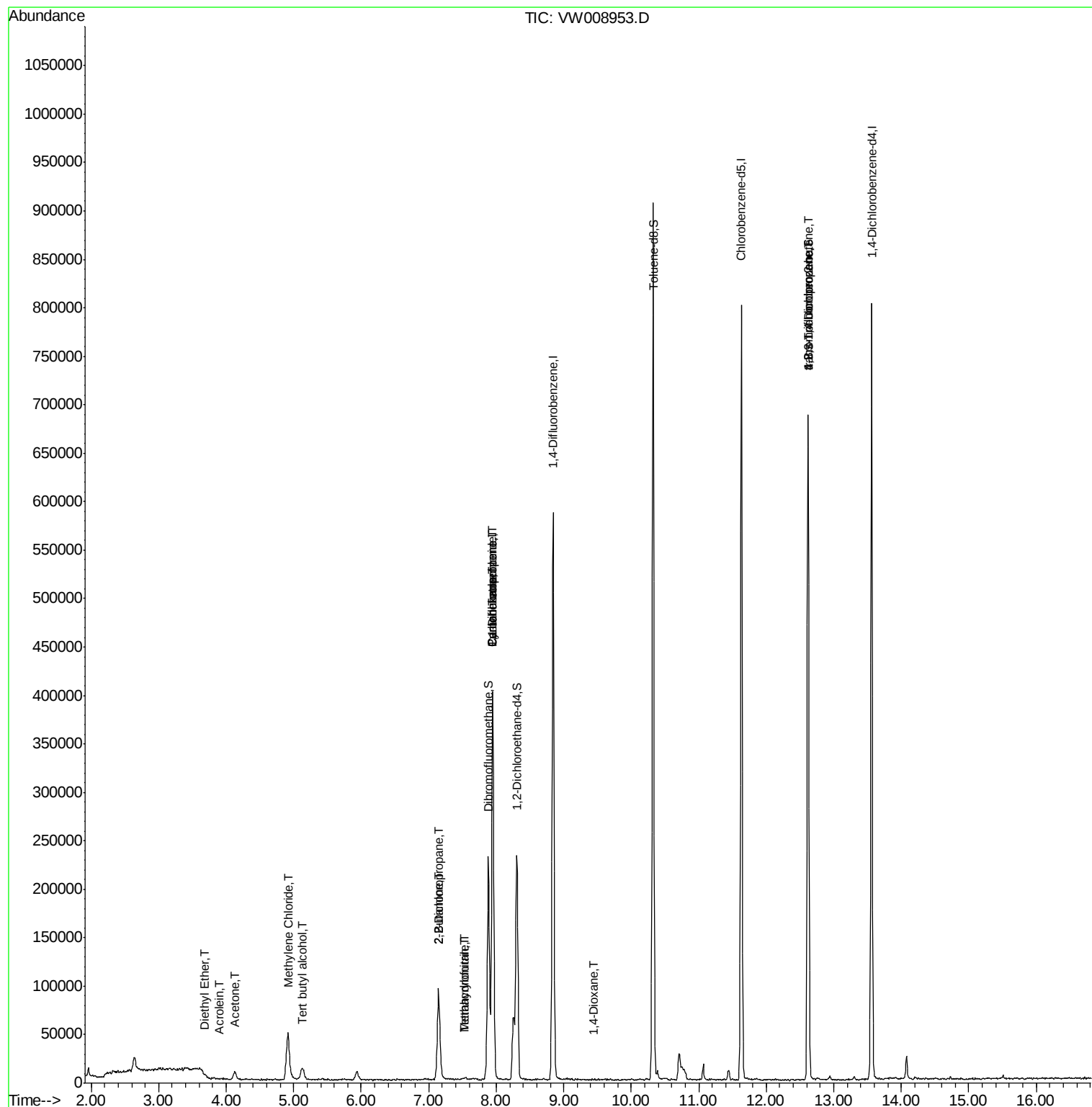
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	2139	1.355	ug/l	85
11) Tert butyl alcohol	5.14	59	11622	45.571	ug/l #	75
13) Acrolein	3.89	56	106	20.143	ug/l	96
16) Acetone	4.13	43	14652	22.066	ug/l	98
20) Methylene Chloride	4.91	84	36696	6.805	ug/l	99
25) 2-Butanone	7.15	43	5933	6.391	ug/l #	69
26) 2,2-Dichloropropane	7.15	77	6870	1.418	ug/l #	54
29) Tetrahydrofuran	7.53	42	2108	3.563	ug/l	97
31) Cyclohexane	7.95	56	7344	1.360	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	23262	5.048	ug/l #	50
38) Carbon Tetrachloride	7.95	117	30494	6.275	ug/l #	16
41) Methacrylonitrile	7.53	41	1561	1.239	ug/l #	41
49) 1,4-Dioxane	9.44	88	148	5.344	ug/l #	47
76) 1,2,3-Trichloropropane	12.62	75	102466	61.484	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	102466	149.472	ug/l #	6

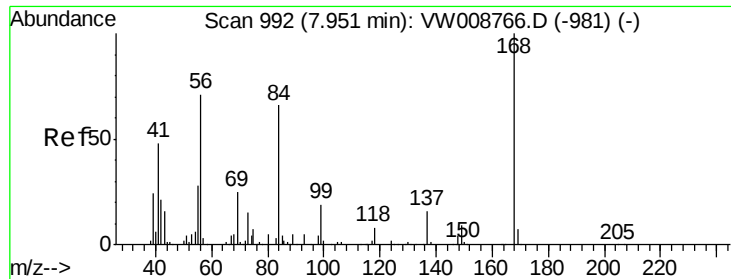
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW030219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008953.D

Acq: 02 Mar 2019 06:53

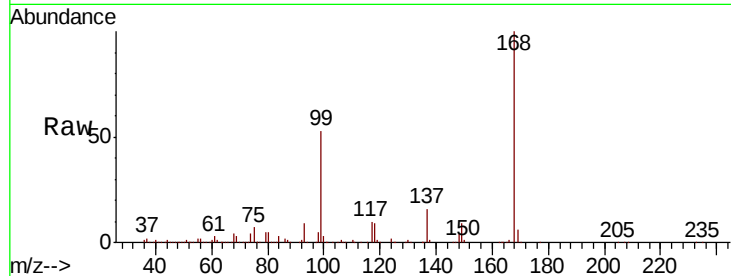
Instrument :
MSVOA_W
ClientSampleId :
Z-3-13-A

Tgt Ion:168 Resp: 305429

Ion Ratio Lower Upper

168 100

99 53.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

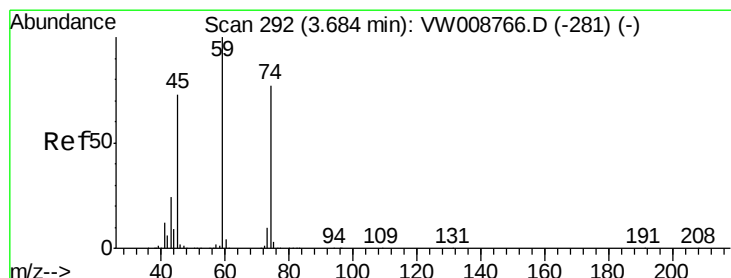
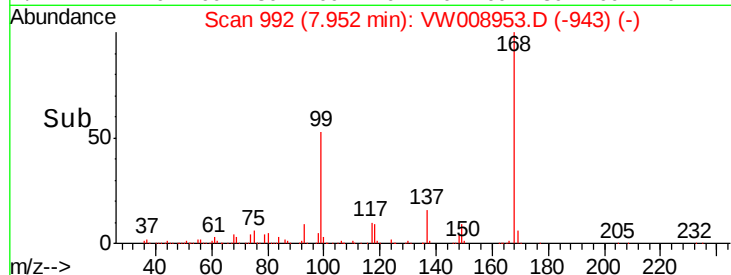
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.355 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW008953.D

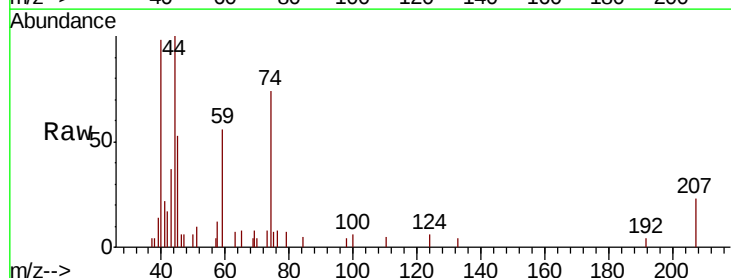
Acq: 02 Mar 2019 06:53

Tgt Ion: 74 Resp: 2139

Ion Ratio Lower Upper

74 100

45 115.1 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1200

1000

800

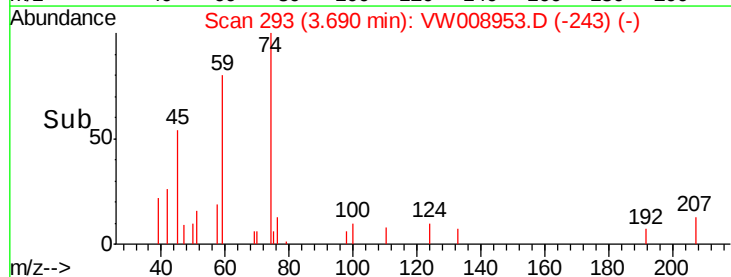
600

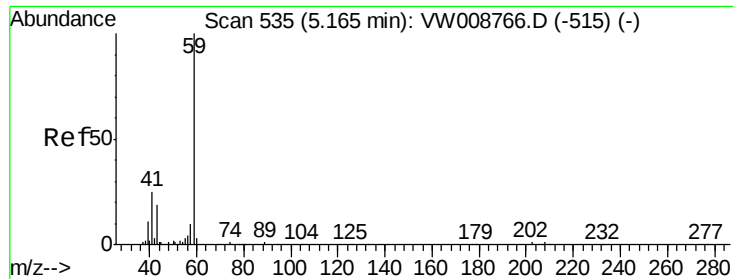
400

200

0

Time--> 3.60 3.65 3.70 3.75

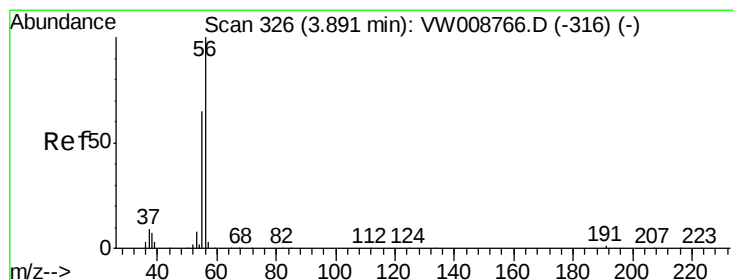
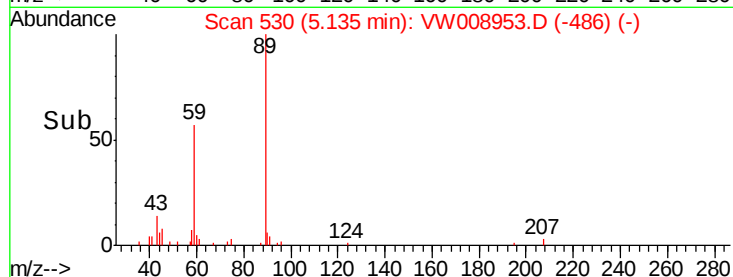
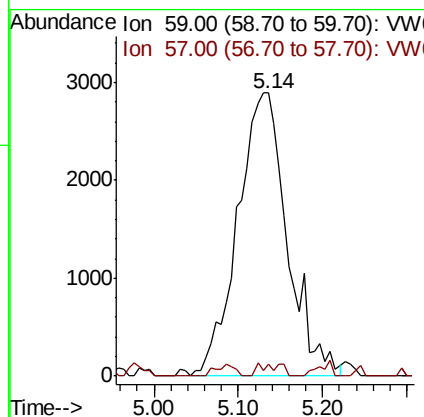
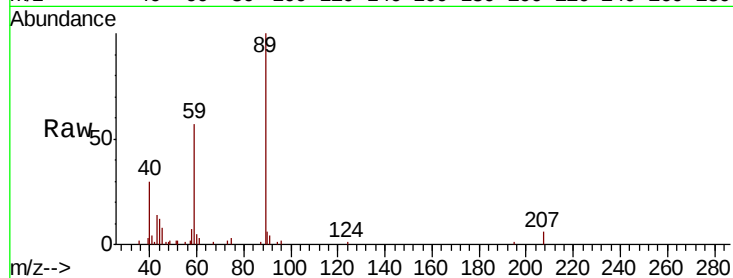




#11
Tert butyl alcohol
Concen: 45.571 ug/l
RT: 5.14 min Scan# 530
Delta R.T. -0.03 min
Lab File: VW008953.D
Acq: 02 Mar 2019 06:53

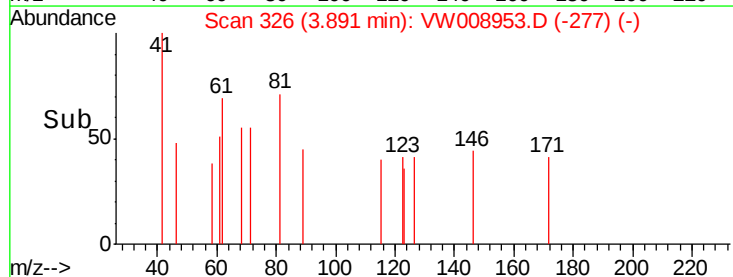
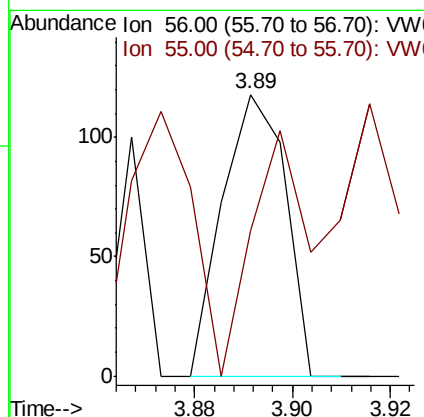
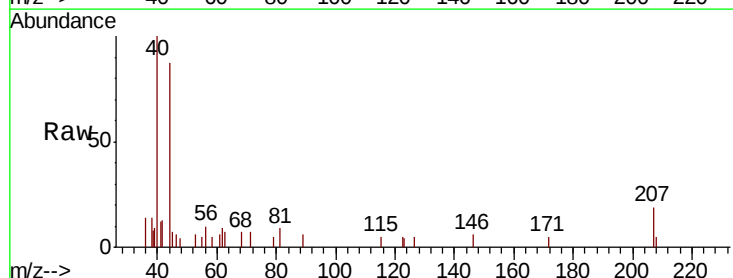
Instrument :
MSVOA_W
ClientSampleId :
Z-3-13-A

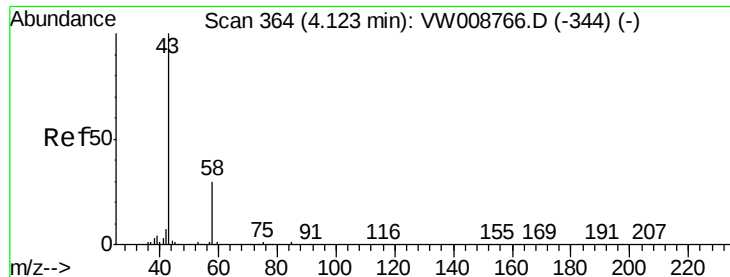
Tgt Ion: 59 Resp: 11622
Ion Ratio Lower Upper
59 100
57 2.0 9.3 13.9#



#13
Acrolein
Concen: 20.143 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW008953.D
Acq: 02 Mar 2019 06:53

Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 74.5 56.9 85.3





#16

Acetone

Concen: 22.066 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008953.D

Acq: 02 Mar 2019 06:53

Instrument :

MSVOA_W

ClientSampleId :

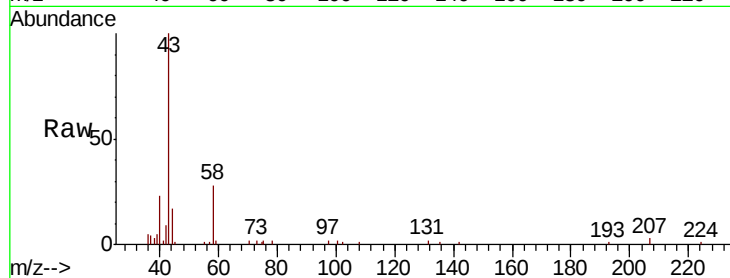
Z-3-13-A

Tgt Ion: 43 Resp: 14652

Ion Ratio Lower Upper

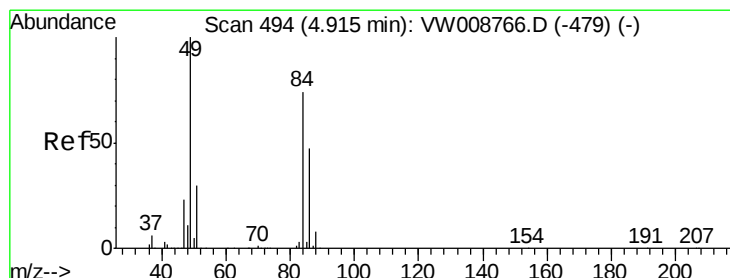
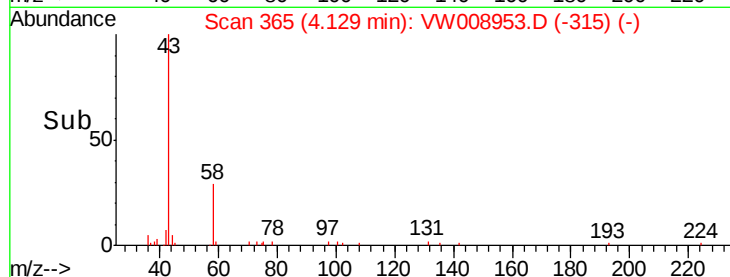
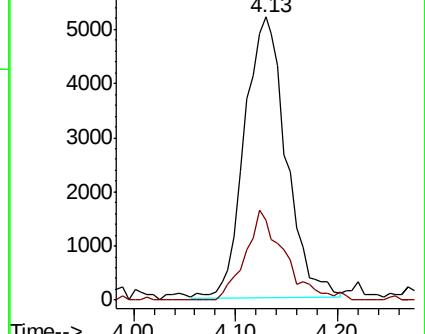
43 100

58 28.6 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 6.805 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW008953.D

Acq: 02 Mar 2019 06:53

Tgt Ion: 84 Resp: 36696

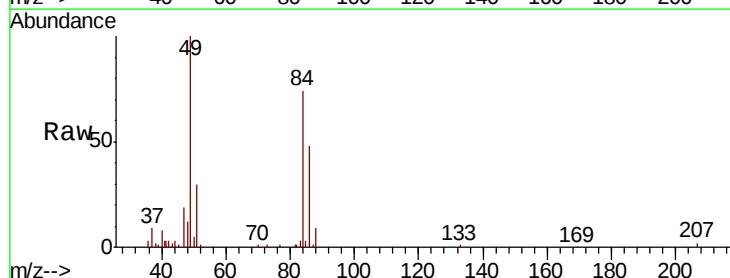
Ion Ratio Lower Upper

84 100

49 135.3 108.2 162.2

51 40.8 32.7 49.1

86 64.4 50.3 75.5

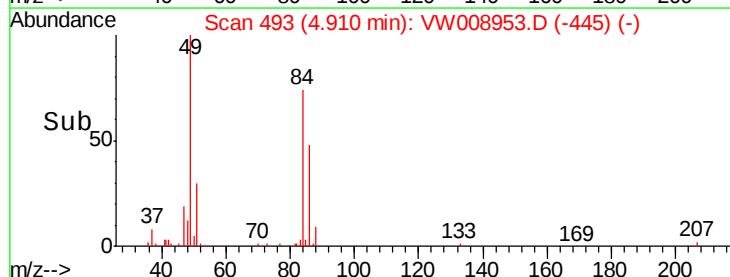
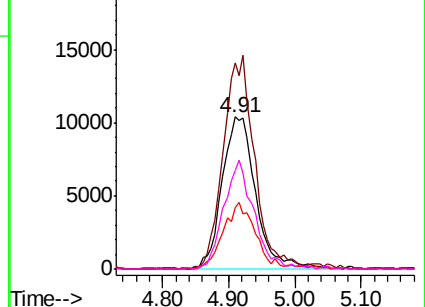


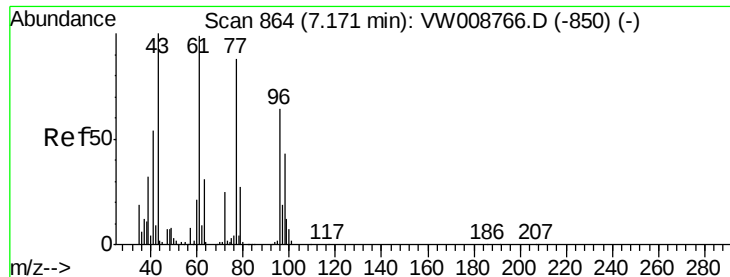
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 6.391 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008953.D

Acq: 02 Mar 2019 06:53

Instrument :

MSVOA_W

ClientSampleId :

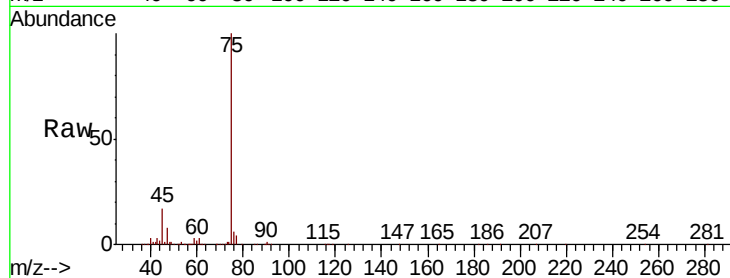
Z-3-13-A

Tgt Ion: 43 Resp: 5933

Ion Ratio Lower Upper

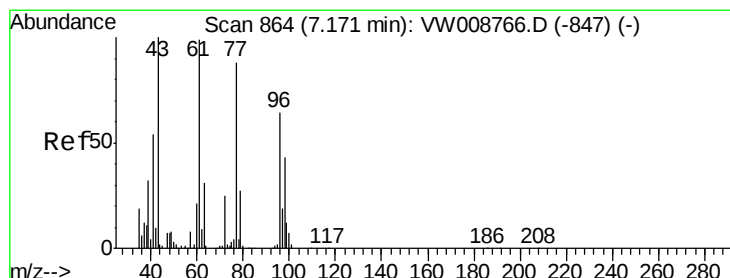
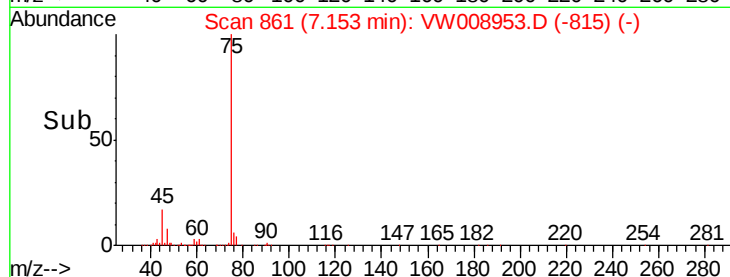
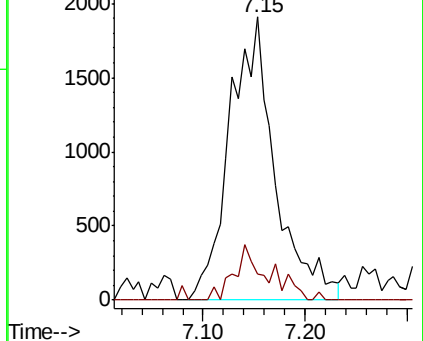
43 100

72 9.2 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.418 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008953.D

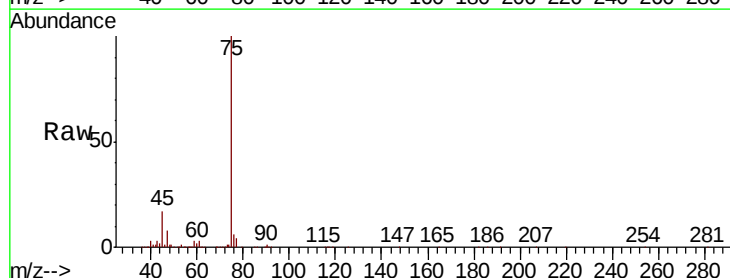
Acq: 02 Mar 2019 06:53

Tgt Ion: 77 Resp: 6870

Ion Ratio Lower Upper

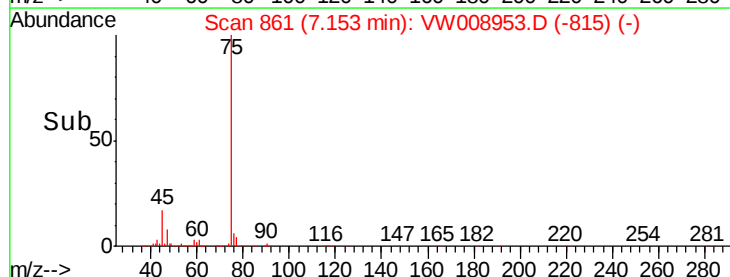
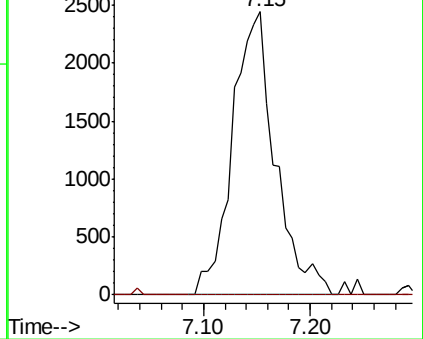
77 100

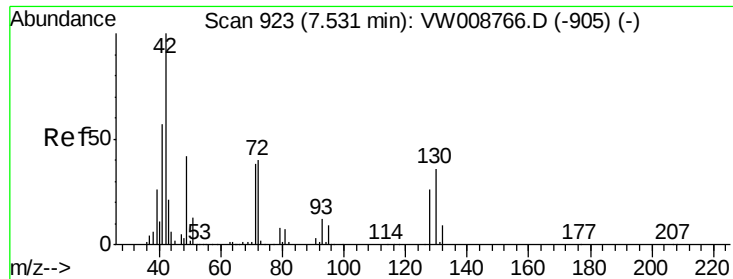
97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#29

Tetrahydrofuran

Concen: 3.563 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008953.D

Acq: 02 Mar 2019 06:53

Instrument :

MSVOA_W

ClientSampled :

Z-3-13-A

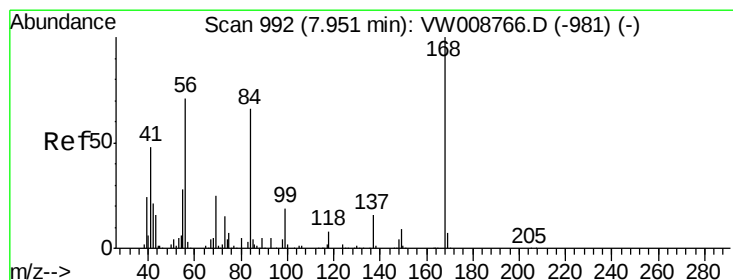
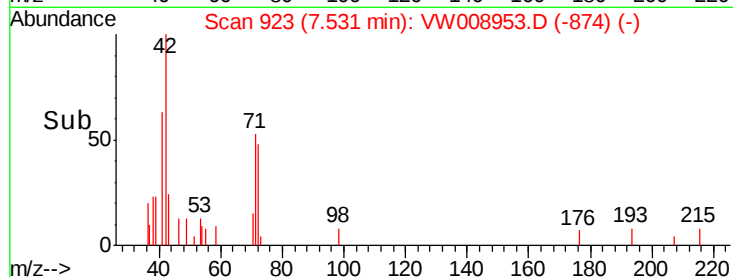
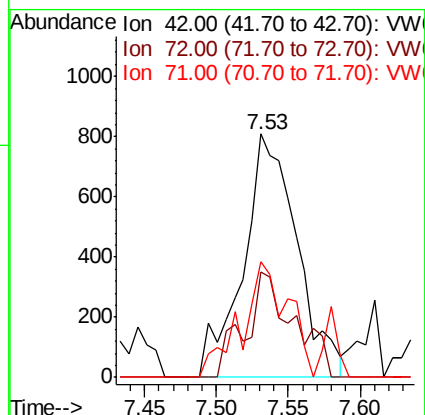
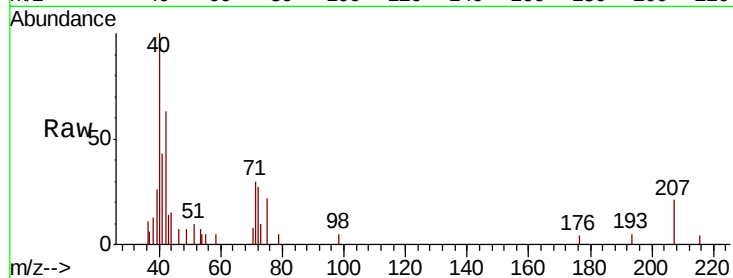
Tgt Ion: 42 Resp: 2108

Ion Ratio Lower Upper

42 100

72 39.2 32.7 49.1

71 40.9 31.3 46.9



#31

Cyclohexane

Concen: 1.360 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008953.D

Acq: 02 Mar 2019 06:53

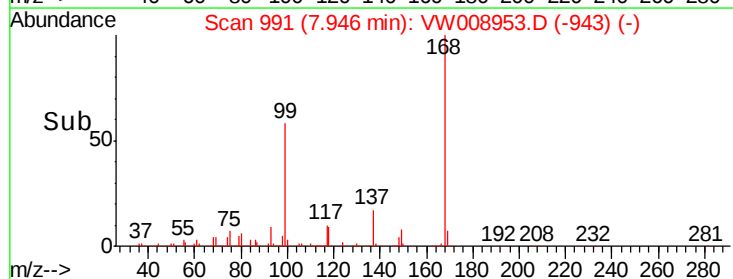
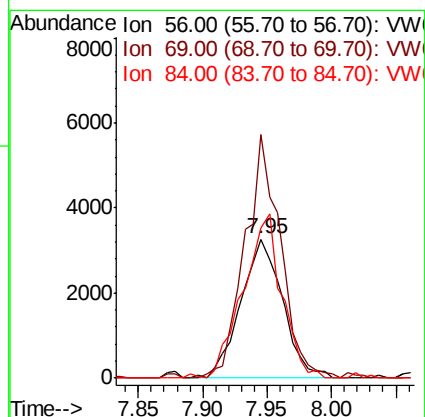
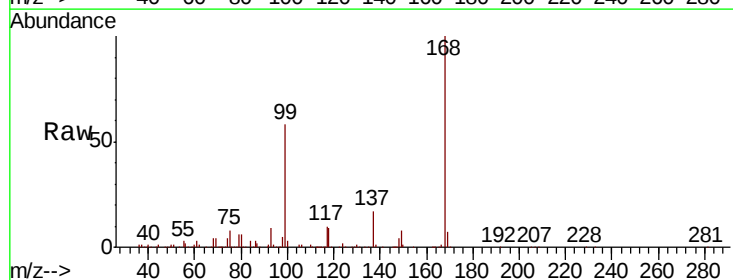
Tgt Ion: 56 Resp: 7344

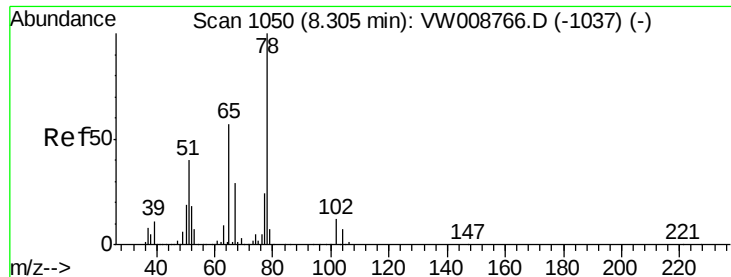
Ion Ratio Lower Upper

56 100

69 174.9 28.2 42.4#

84 108.3 74.1 111.1

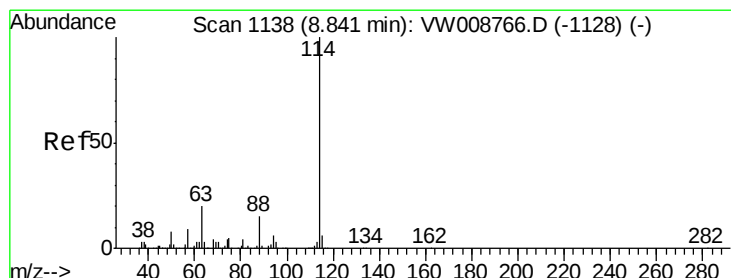
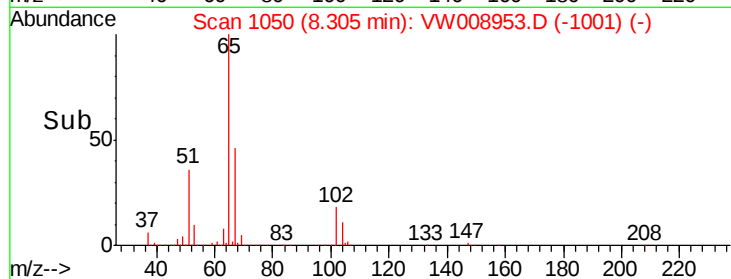
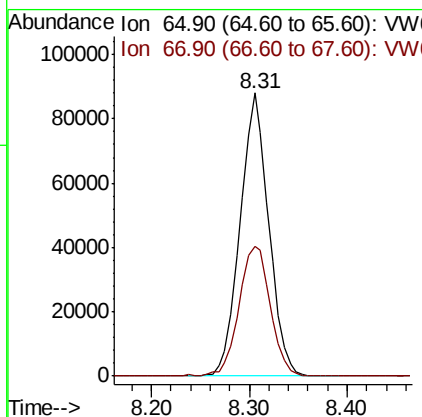
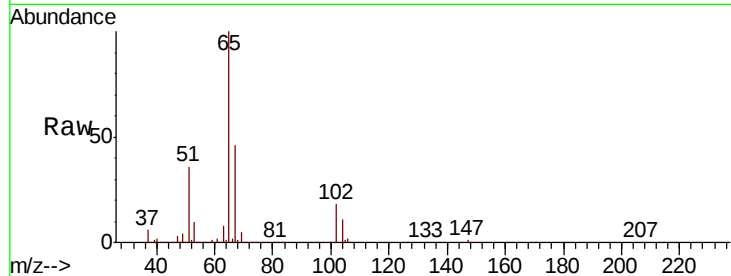




#33
 1,2-Dichloroethane-d4
 Concen: 62.243 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008953.D
 Acq: 02 Mar 2019 06:53

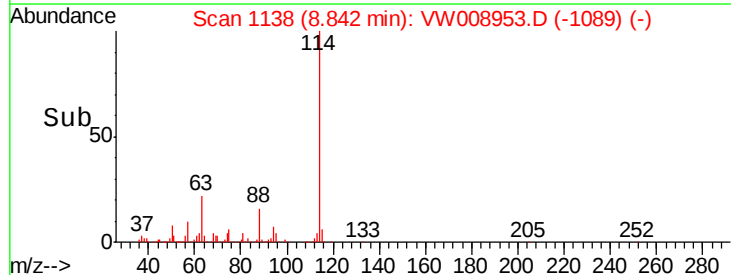
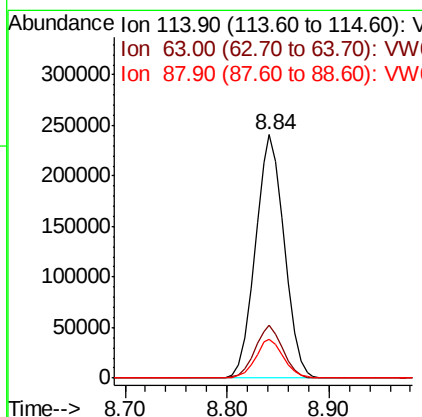
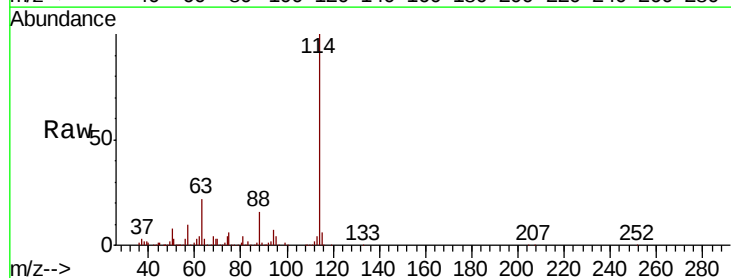
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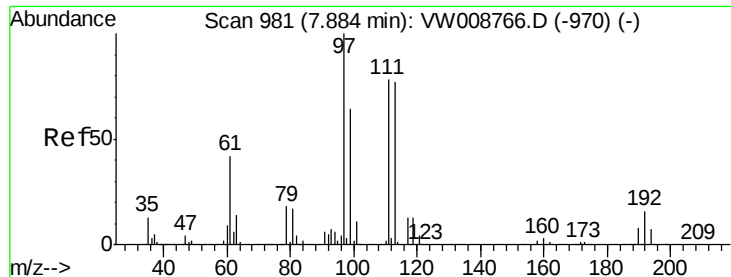
Tgt Ion: 65 Resp: 178304
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008953.D
 Acq: 02 Mar 2019 06:53

Tgt Ion: 114 Resp: 473376
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 40.8
 88 15.9 0.0 30.4

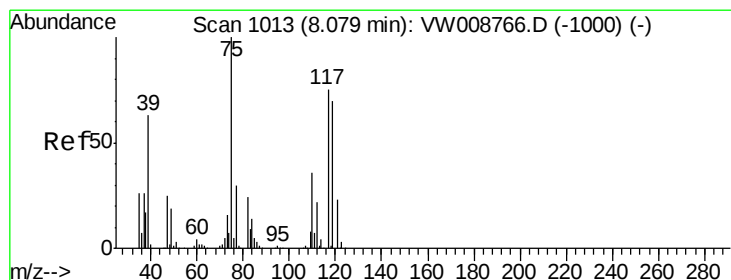
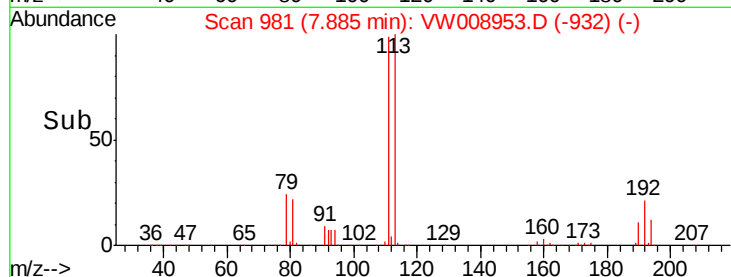
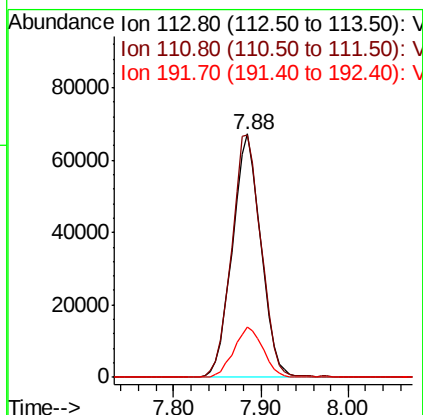
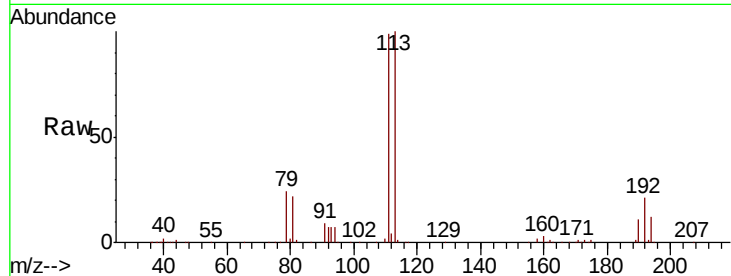




#35
 Dibromofluoromethane
 Concen: 53.694 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008953.D
 Acq: 02 Mar 2019 06:53

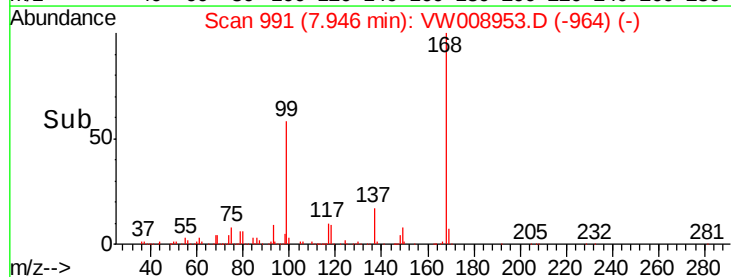
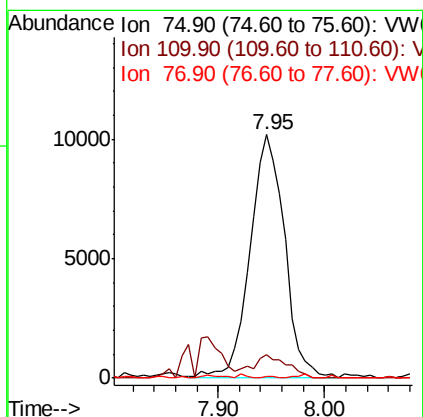
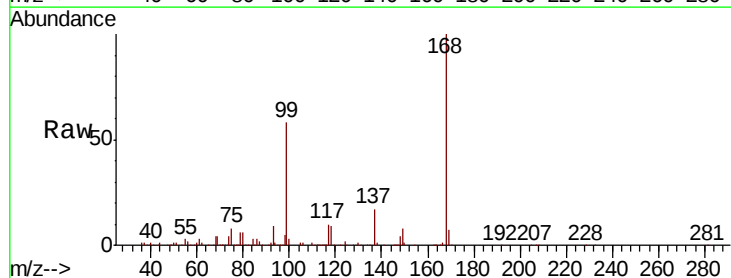
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-13-A

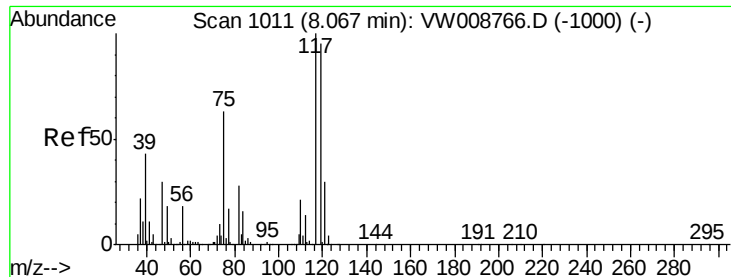
Tgt Ion: 113 Resp: 152608
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.9 122.9
 192 21.1 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 5.048 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008953.D
 Acq: 02 Mar 2019 06:53

Tgt Ion: 75 Resp: 23262
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.5 52.6#
 77 0.2 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.275 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008953.D

Acq: 02 Mar 2019 06:53

Instrument :

MSVOA_W

ClientSampled :

Z-3-13-A

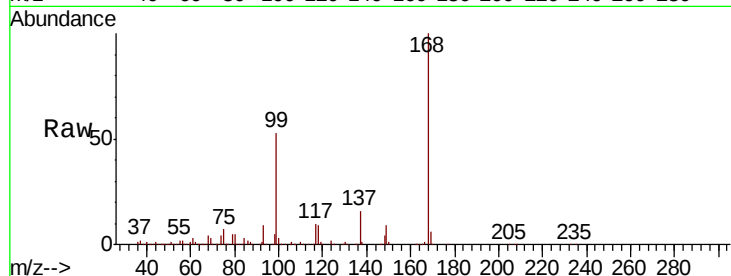
Tgt Ion:117 Resp: 30494

Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

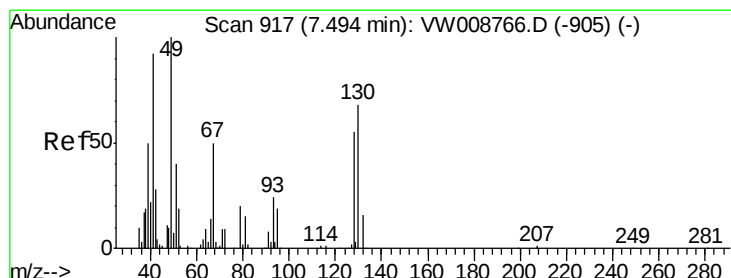
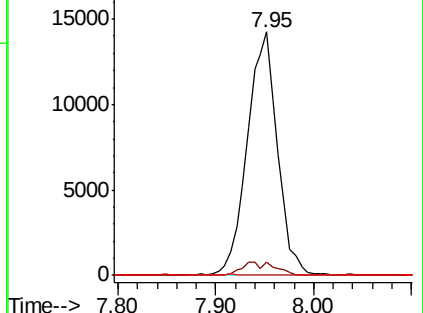
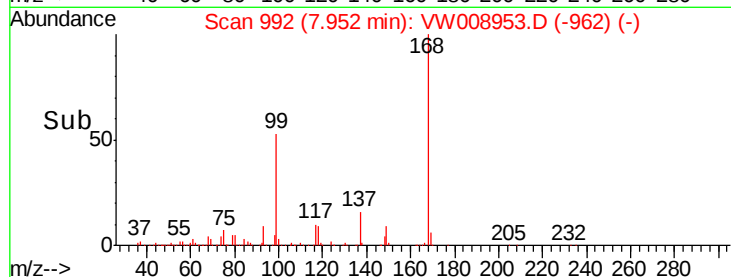
121 0.0 24.0 36.0#



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



#41

Methacrylonitrile

Concen: 1.239 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.04 min

Lab File: VW008953.D

Acq: 02 Mar 2019 06:53

Tgt Ion: 41 Resp: 1561

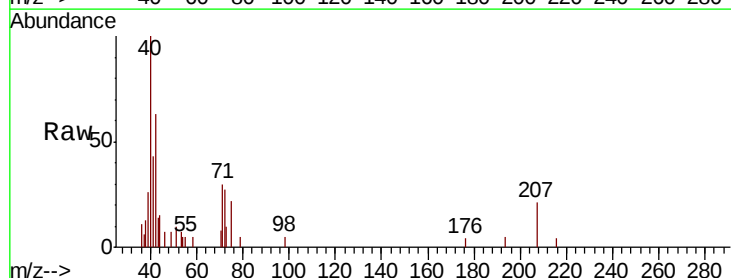
Ion Ratio Lower Upper

41 100

39 39.2 52.5 78.7#

67 0.0 55.0 82.6#

52 1.9 26.9 40.3#

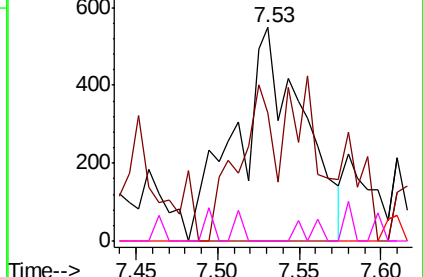
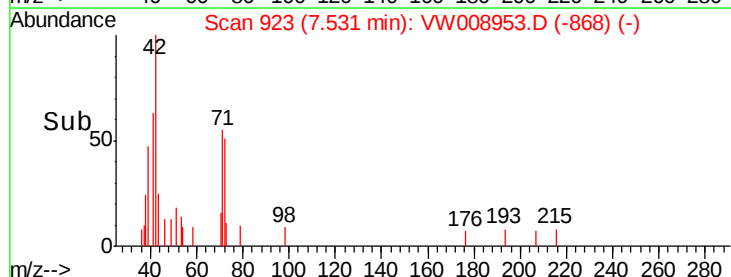


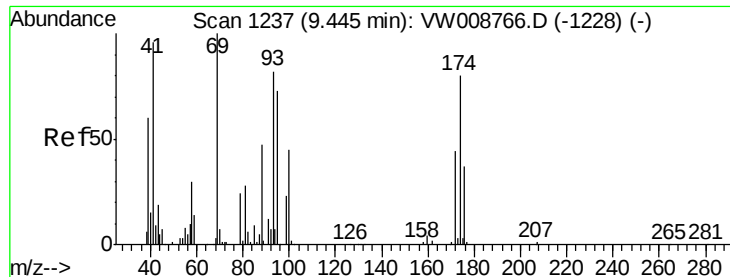
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

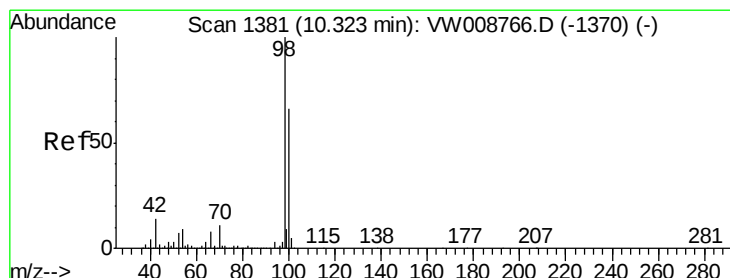
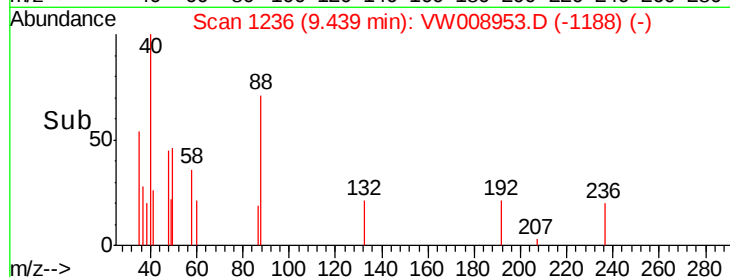
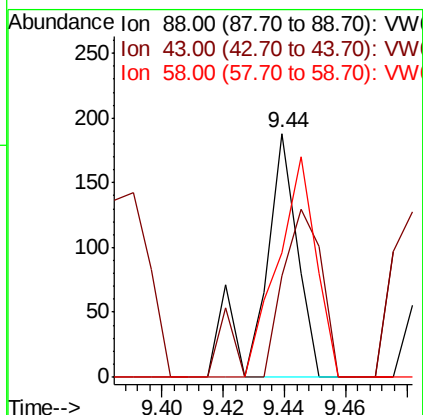
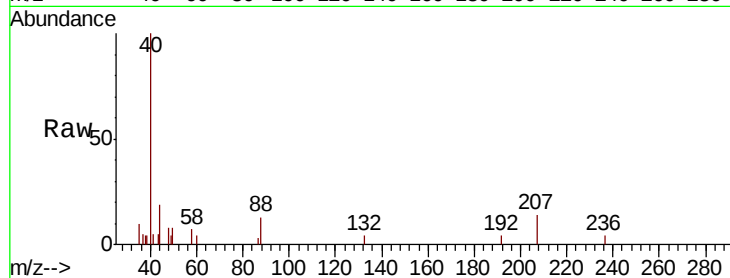




#49
1,4-Dioxane
Concen: 5.344 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008953.D
Acq: 02 Mar 2019 06:53

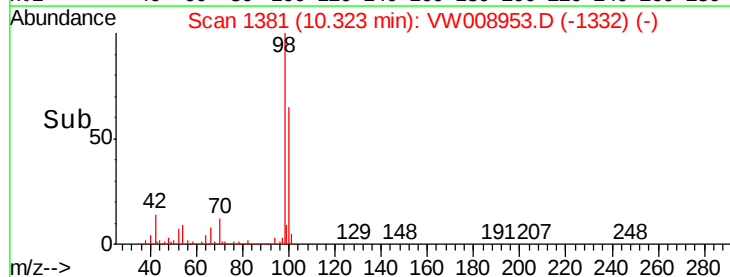
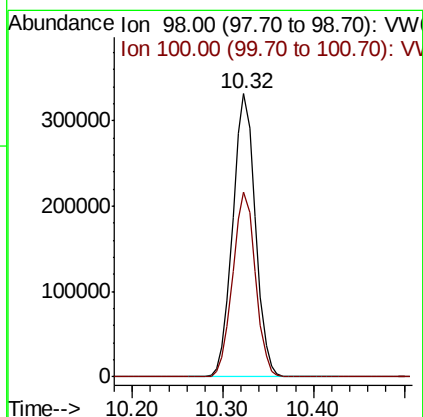
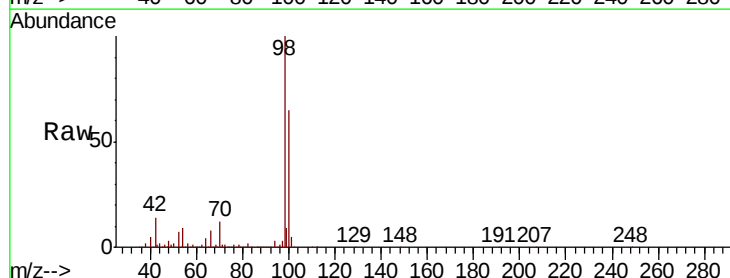
Instrument :
MSVOA_W
ClientSampled :
Z-3-13-A

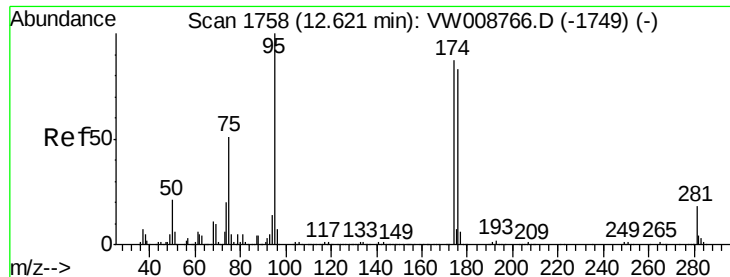
Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
43 76.4 29.0 43.4#
58 100.0 52.0 78.0#



#50
Toluene-d8
Concen: 52.399 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008953.D
Acq: 02 Mar 2019 06:53

Tgt Ion: 98 Resp: 574908
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

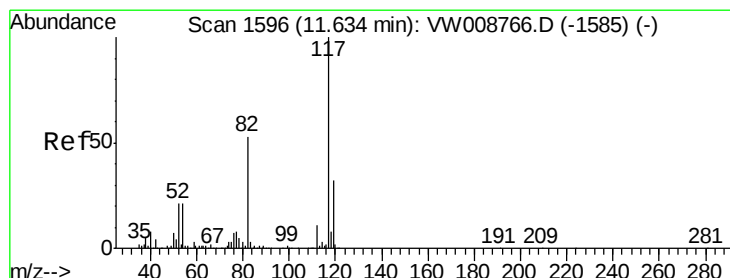
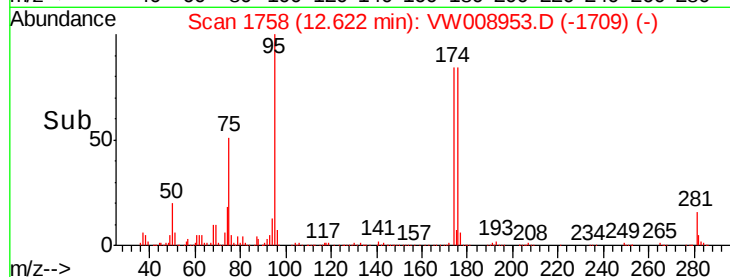
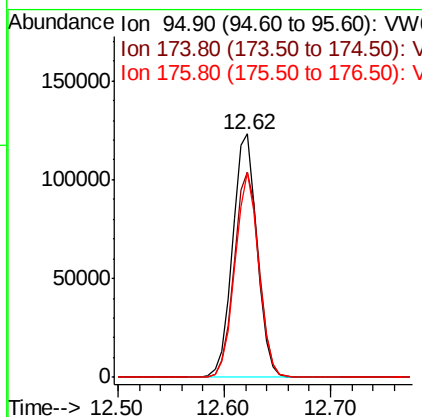
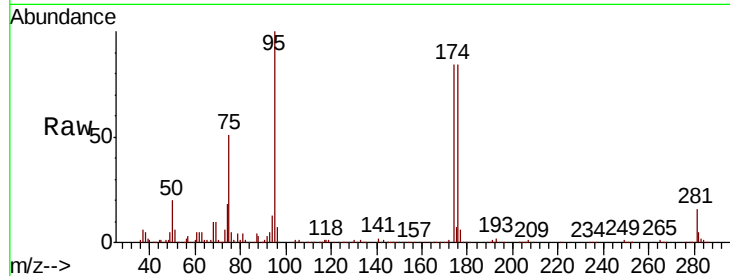




#62
4-Bromofluorobenzene
Concen: 46.000 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008953.D
Acq: 02 Mar 2019 06:53

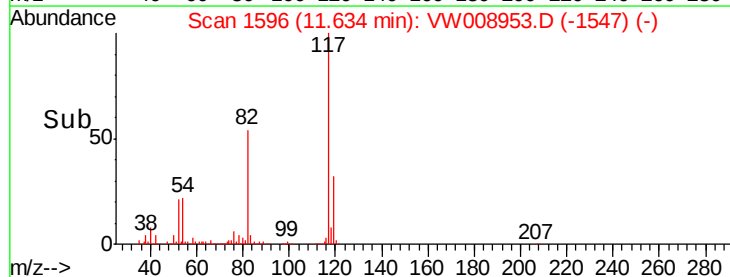
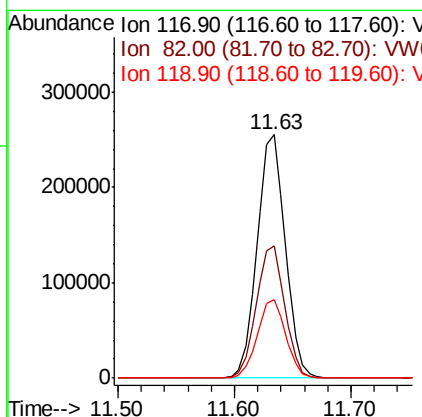
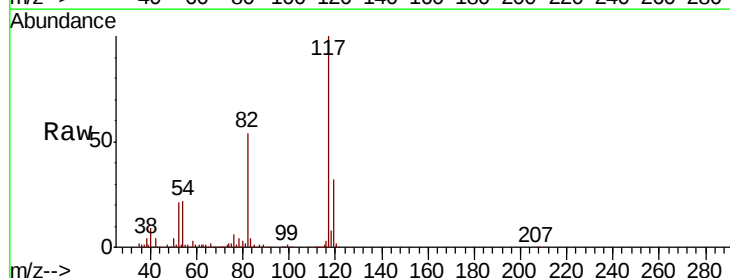
Instrument :
MSVOA_W
ClientSampleId :
Z-3-13-A

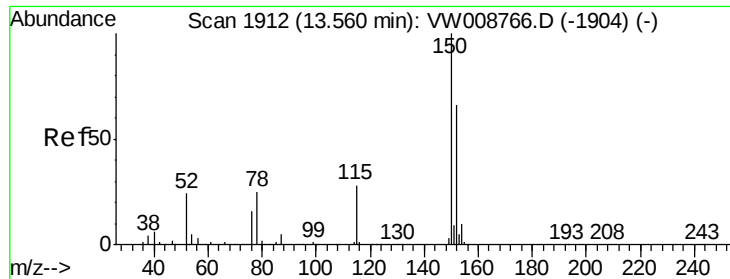
Tgt Ion: 95 Resp: 197610
Ion Ratio Lower Upper
95 100
174 86.1 0.0 169.2
176 82.0 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008953.D
Acq: 02 Mar 2019 06:53

Tgt Ion: 117 Resp: 429391
Ion Ratio Lower Upper
117 100
82 54.4 42.2 63.4
119 32.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008953.D

Acq: 02 Mar 2019 06:53

Instrument :

MSVOA_W

ClientSampleId :

Z-3-13-A

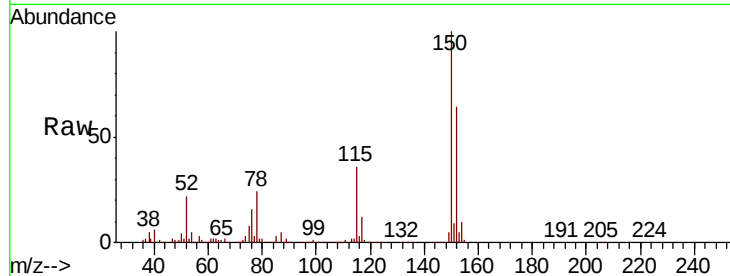
Tgt Ion: 152 Resp: 201851

Ion Ratio Lower Upper

152 100

115 57.1 28.6 85.8

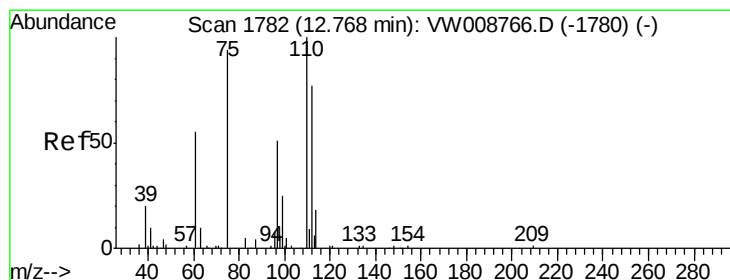
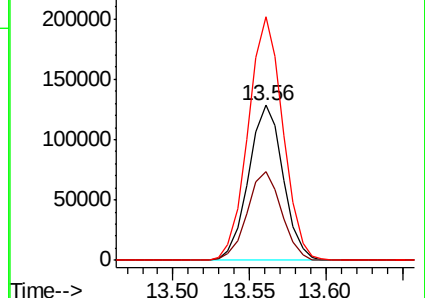
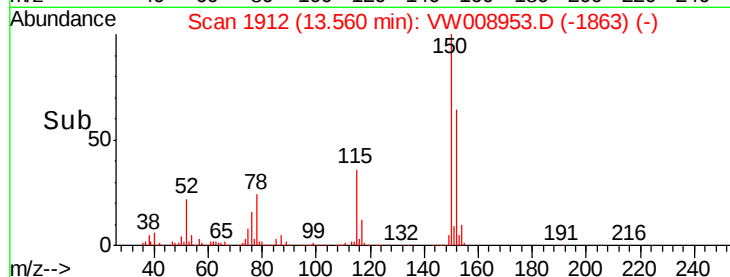
150 157.1 0.0 348.0



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: 61.484 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008953.D

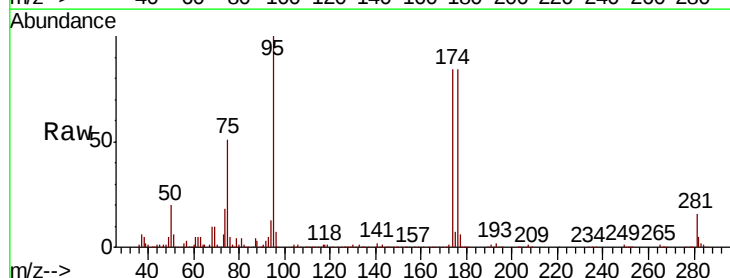
Acq: 02 Mar 2019 06:53

Tgt Ion: 75 Resp: 102466

Ion Ratio Lower Upper

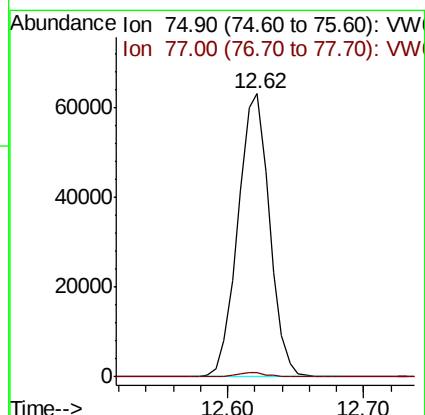
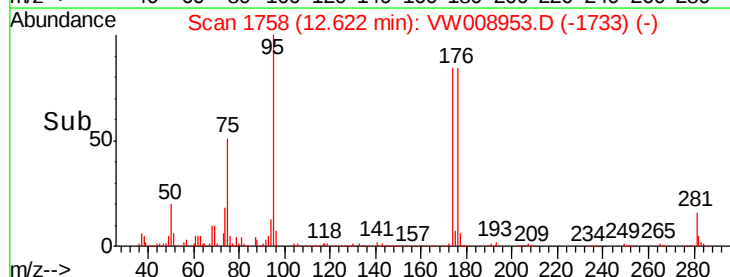
75 100

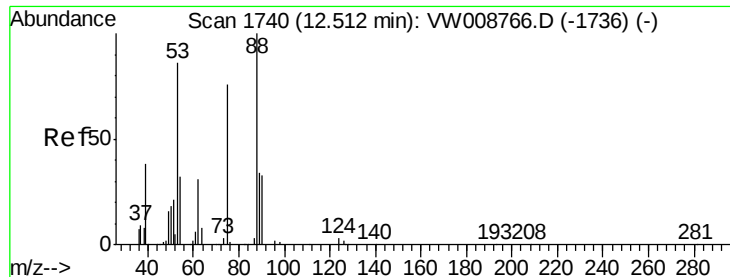
77 1.5 0.0 0.0#



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: 149.472 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008953.D

Acq: 02 Mar 2019 06:53

Instrument :

MSVOA_W

ClientSampleId :

Z-3-13-A

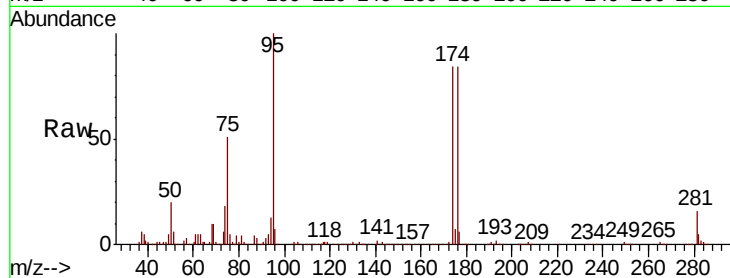
Tgt Ion: 75 Resp: 102466

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.0 39.5 59.3#



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

