

Data File : VW008970.D
Acq On : 04 Mar 2019 19:16
Operator : SY/VA
Sample : VW0304SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBL01

Quant Time: Mar 05 06:28:28 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	322082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	500693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	440860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	204575	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	179893	59.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.10%	
35) Dibromofluoromethane	7.88	113	153485	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.32	98	606639	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.62	95	201523	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	

Target Compounds

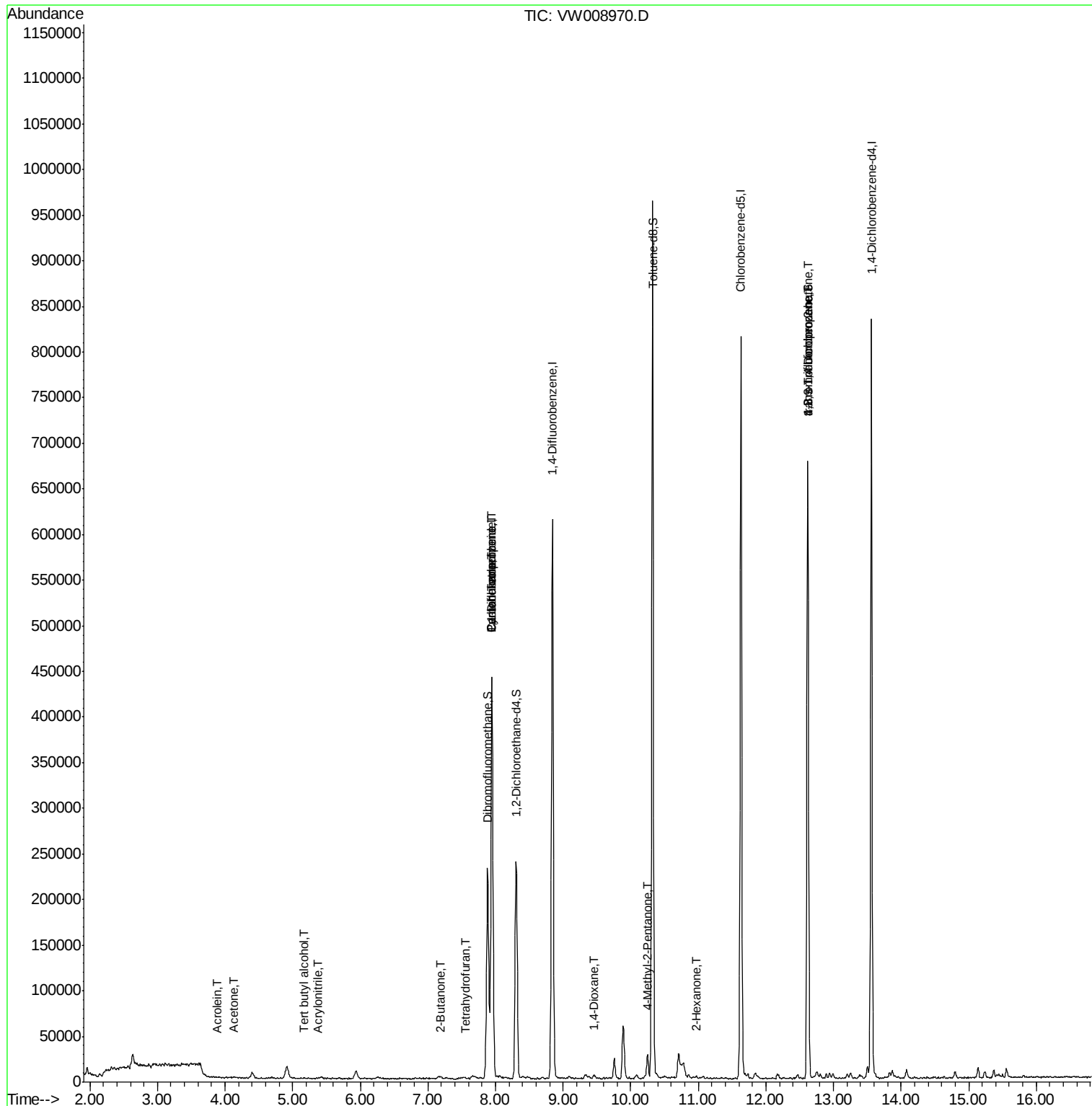
						Qvalue
11) Tert butyl alcohol	5.16	59	367	1.365	ug/l #	70
13) Acrolein	3.89	56	536	21.520	ug/l #	45
15) Acrylonitrile	5.37	53	1056	1.478	ug/l #	87
16) Acetone	4.12	43	2899	4.140	ug/l #	76
20) Methylene Chloride	4.92	84	9870	Below Cal	#	81
25) 2-Butanone	7.20	43	1221	1.247	ug/l #	67
29) Tetrahydrofuran	7.55	42	898	1.439	ug/l #	46
31) Cyclohexane	7.95	56	7832	1.375	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	24762	5.081	ug/l #	49
38) Carbon Tetrachloride	7.95	117	31267	6.083	ug/l #	17
49) 1,4-Dioxane	9.45	88	201	6.862	ug/l #	1
51) 4-Methyl-2-Pentanone	10.25	43	3120	1.359	ug/l	90
59) 2-Hexanone	10.98	43	1941	1.187	ug/l	89
76) 1,2,3-Trichloropropane	12.61	75	108408	64.183	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	108408	156.034	ug/l #	6

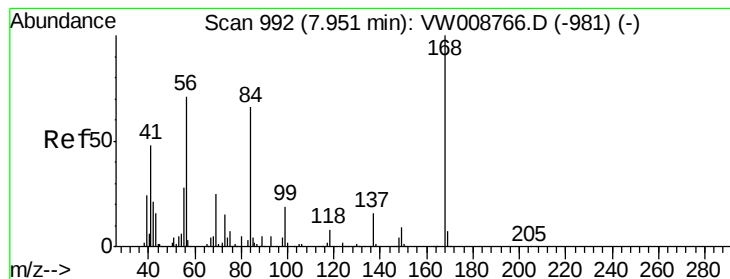
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008970.D

Acq: 04 Mar 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

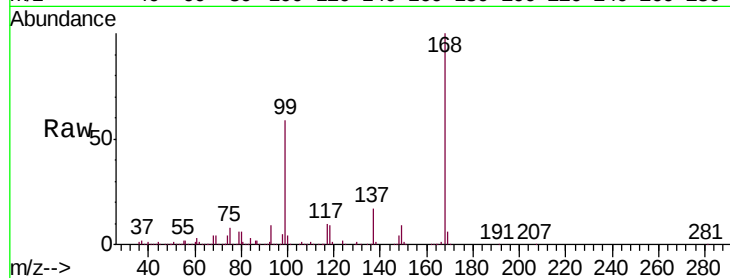
VW0305SBL01

Tgt Ion:168 Resp: 322082

Ion Ratio Lower Upper

168 100

99 58.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

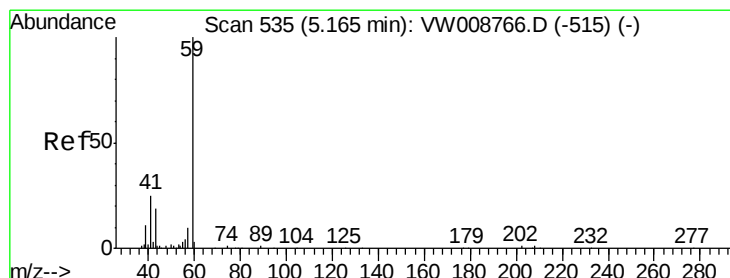
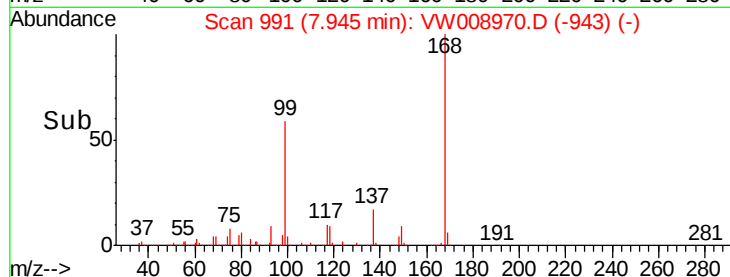
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.365 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW008970.D

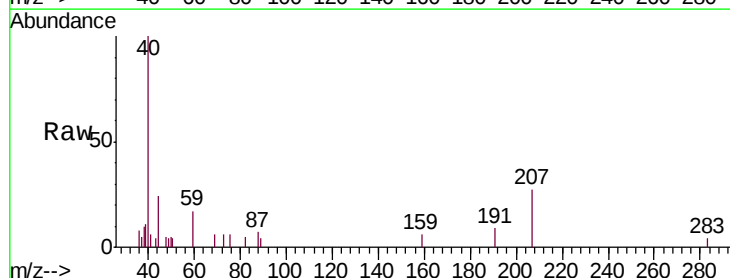
Acq: 04 Mar 2019 19:16

Tgt Ion: 59 Resp: 367

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

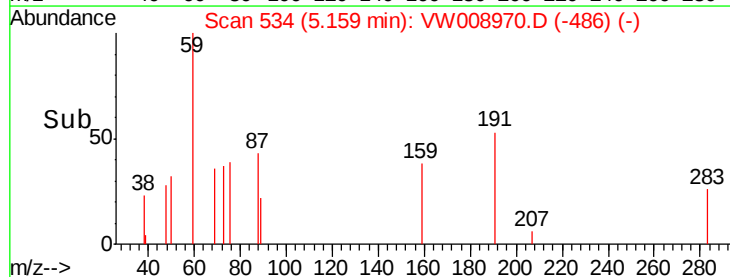
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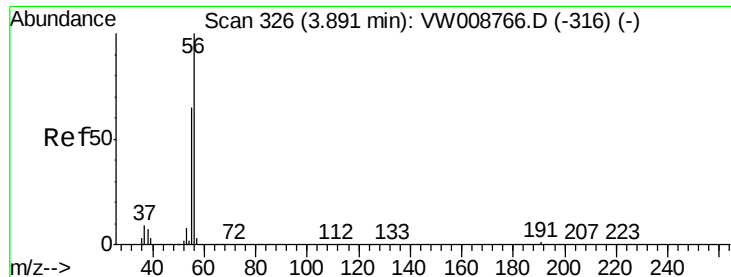
200

100

0

Time-->





#13

Acrolein

Concen: 21.520 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW008970.D

Acq: 04 Mar 2019 19:16

Instrument :

MSVOA_W

ClientSampled :

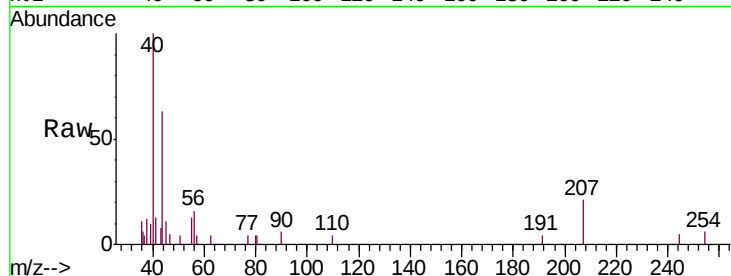
VW0305SBL01

Tgt Ion: 56 Resp: 536

Ion Ratio Lower Upper

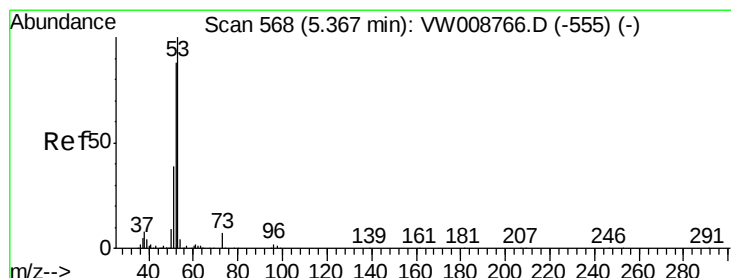
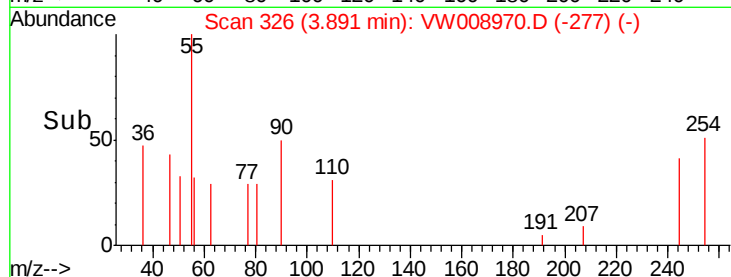
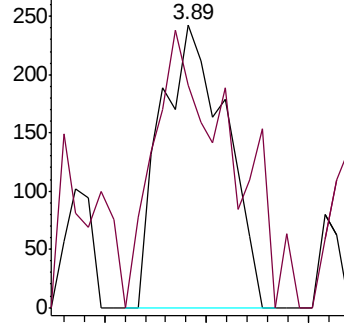
56 100

55 116.6 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#15

Acrylonitrile

Concen: 1.478 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008970.D

Acq: 04 Mar 2019 19:16

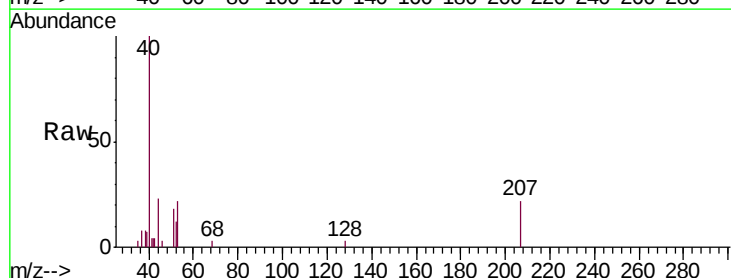
Tgt Ion: 53 Resp: 1056

Ion Ratio Lower Upper

53 100

52 78.2 67.2 100.8

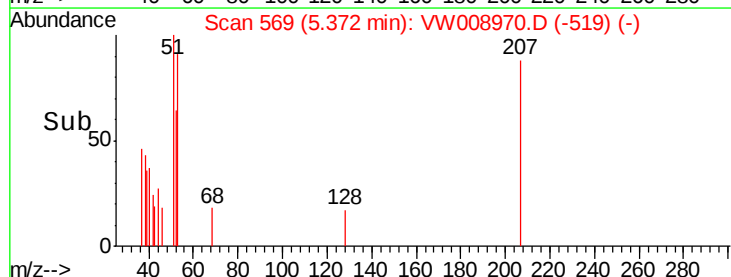
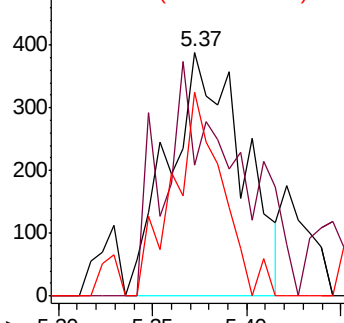
51 55.9 31.1 46.7#

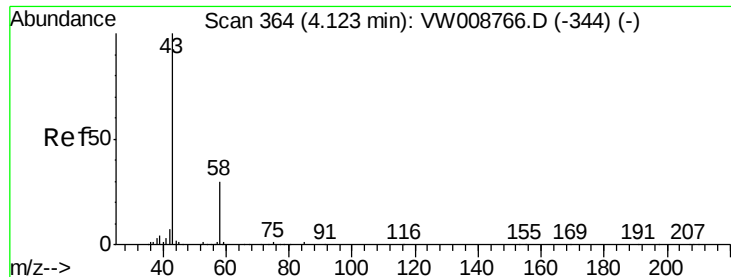


Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW

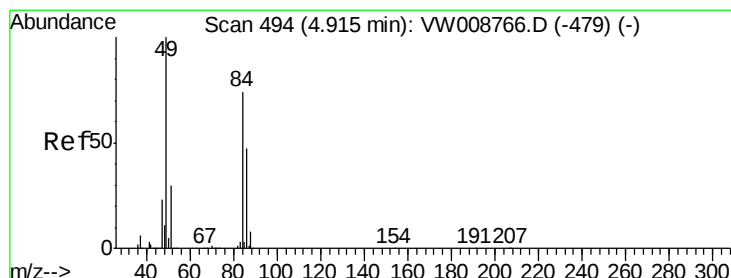
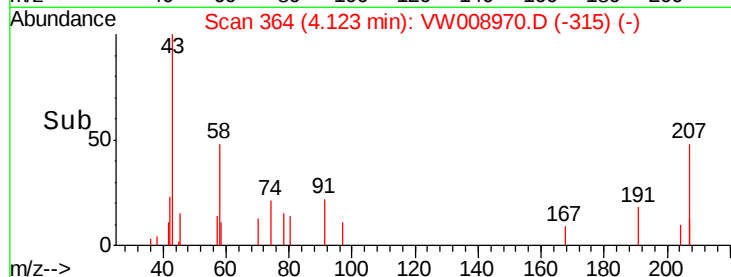
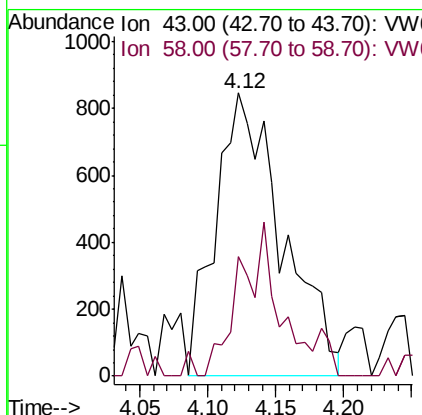
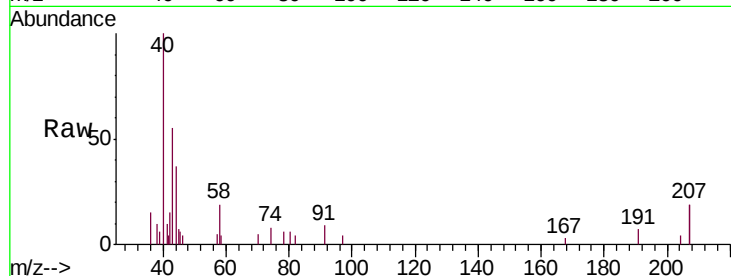




#16
Acetone
Concen: 4.140 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW008970.D
Acq: 04 Mar 2019 19:16

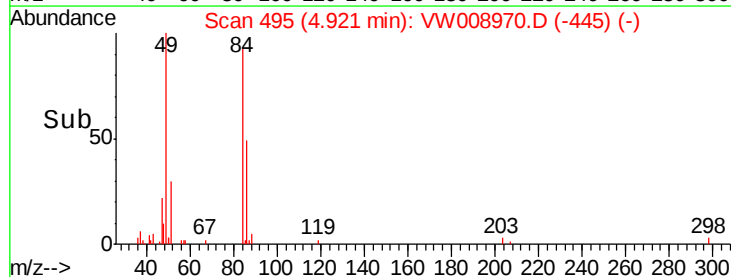
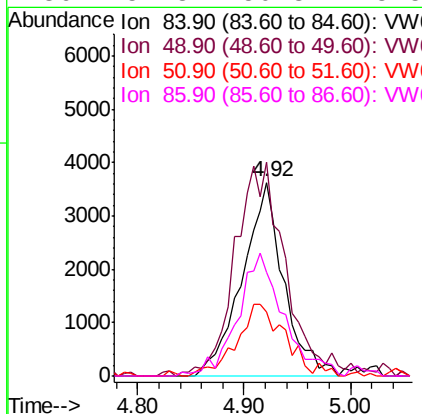
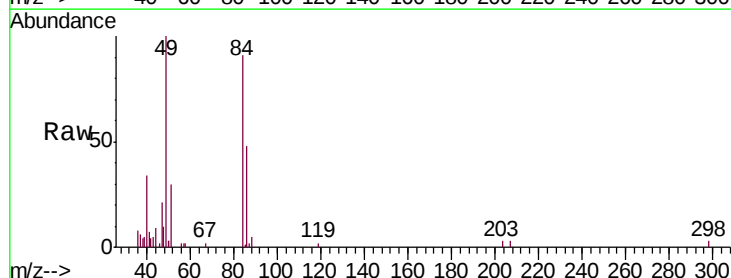
Instrument :
MSVOA_W
ClientSampleId :
VW0305SBL01

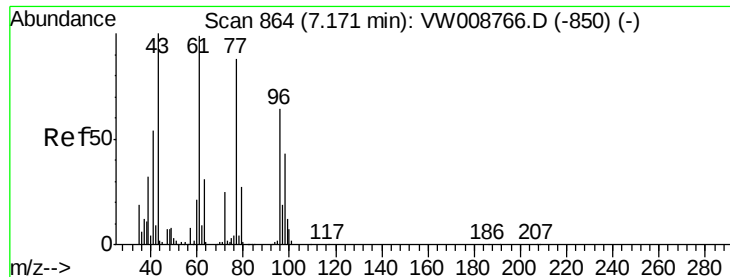
Tgt Ion: 43 Resp: 2899
Ion Ratio Lower Upper
43 100
58 42.4 23.8 35.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008970.D
Acq: 04 Mar 2019 19:16

Tgt Ion: 84 Resp: 9870
Ion Ratio Lower Upper
84 100
49 108.1 108.2 162.2#
51 32.7 32.7 49.1
86 51.8 50.3 75.5





#25

2-Butanone

Concen: 1.247 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW008970.D

Acq: 04 Mar 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

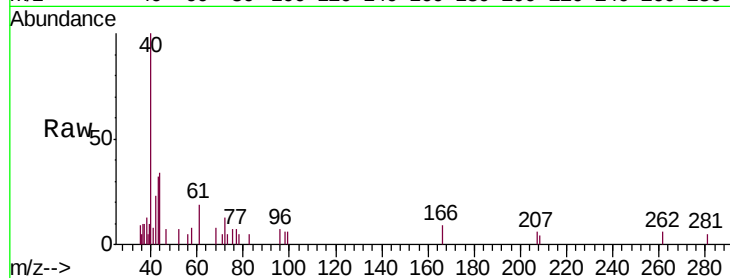
VW0305SBL01

Tgt Ion: 43 Resp: 1221

Ion Ratio Lower Upper

43 100

72 41.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.20

400

300

200

100

0

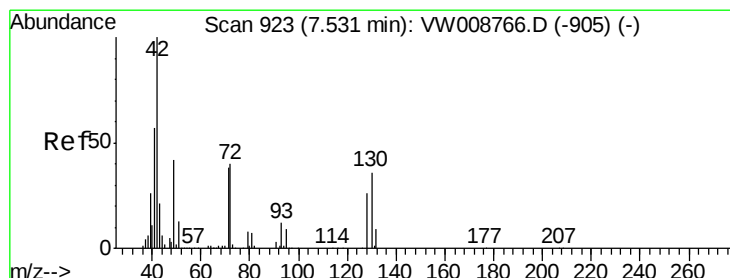
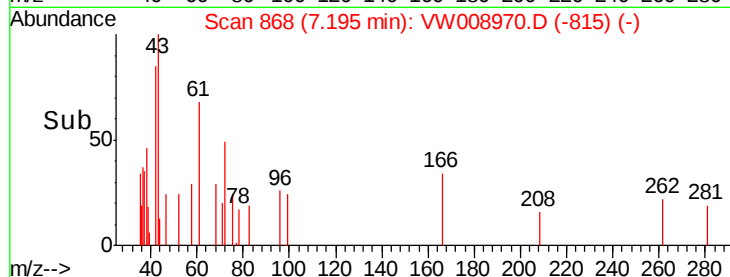
7.10

7.15

7.20

7.25

Time-->



#29

Tetrahydrofuran

Concen: 1.439 ug/l

RT: 7.55 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW008970.D

Acq: 04 Mar 2019 19:16

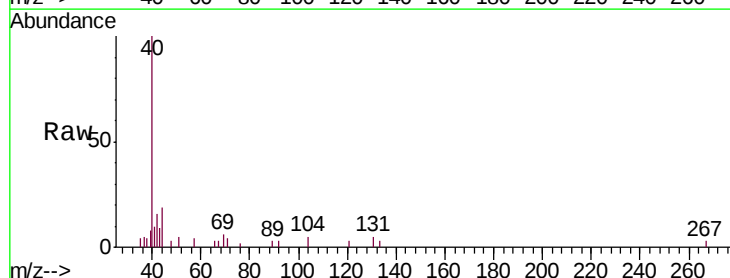
Tgt Ion: 42 Resp: 898

Ion Ratio Lower Upper

42 100

72 0.0 32.7 49.1#

71 13.9 31.3 46.9#



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

7.55

400

300

200

100

0

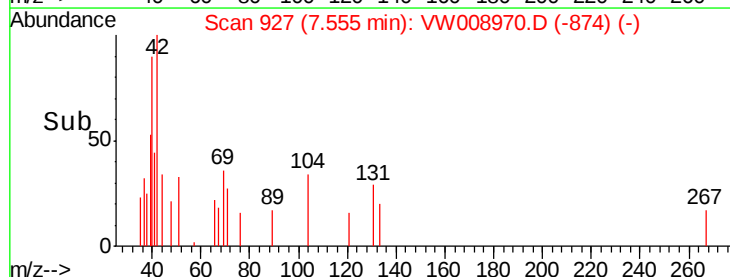
7.45

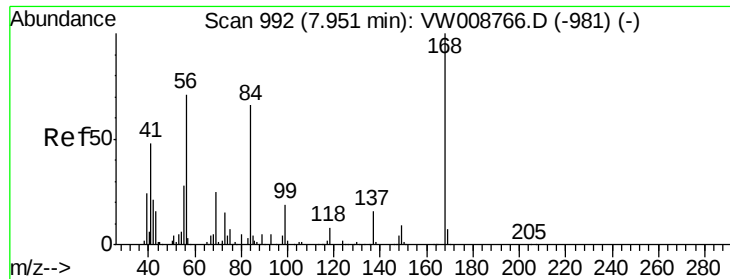
7.50

7.55

7.60

Time-->

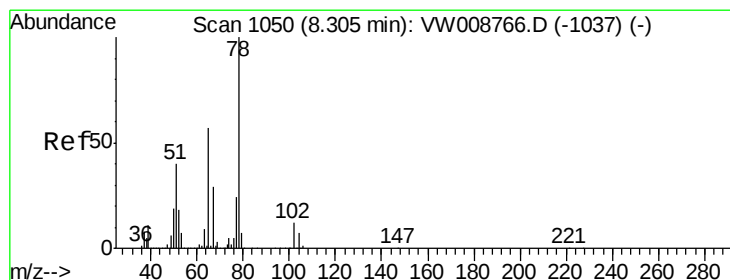
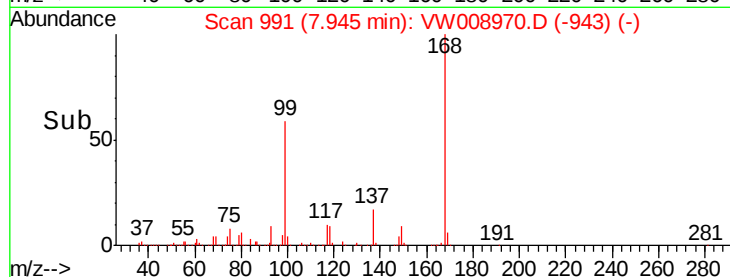
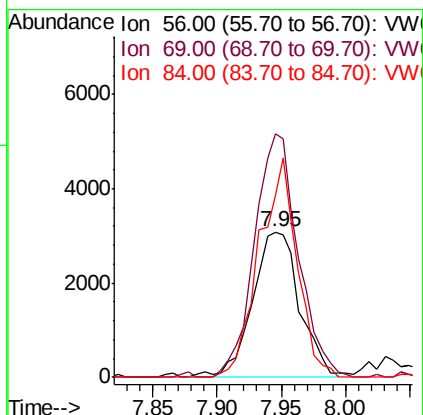
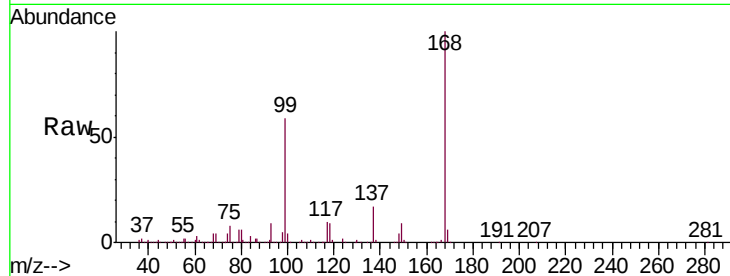




#31
Cyclohexane
Concen: 1.375 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008970.D
Acq: 04 Mar 2019 19:16

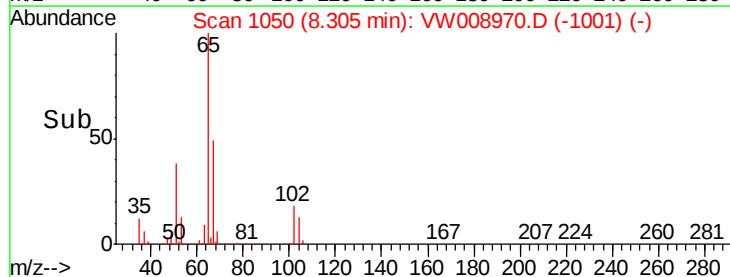
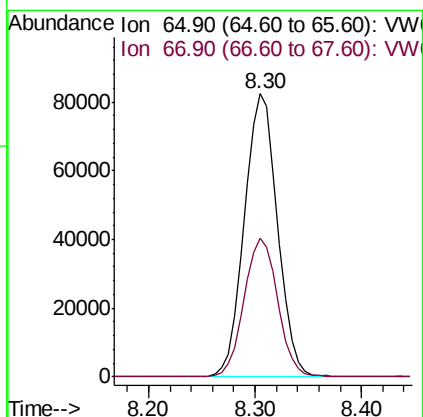
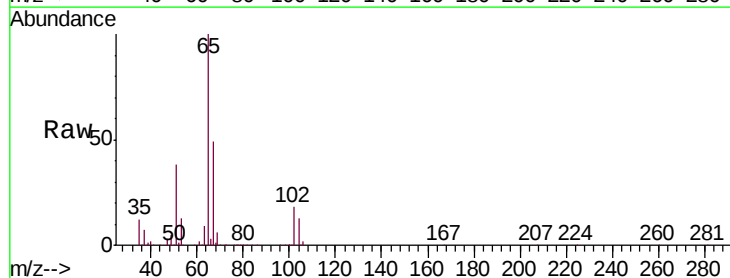
Instrument :
MSVOA_W
ClientSampleId :
VW0305SBL01

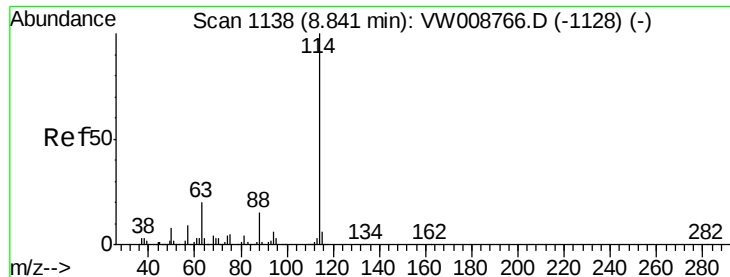
Tgt Ion: 56 Resp: 7832
Ion Ratio Lower Upper
56 100
69 163.8 28.2 42.4#
84 125.3 74.1 111.1#



#33
1,2-Dichloroethane-d4
Concen: 59.551 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008970.D
Acq: 04 Mar 2019 19:16

Tgt Ion: 65 Resp: 179893
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.4

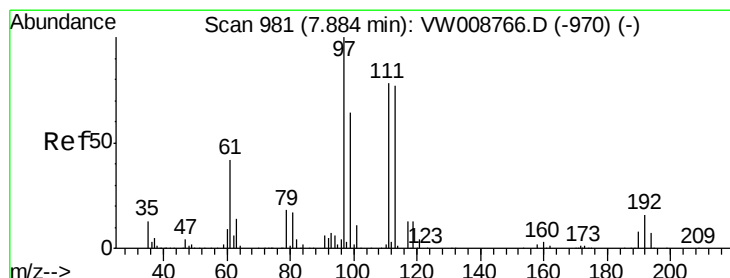
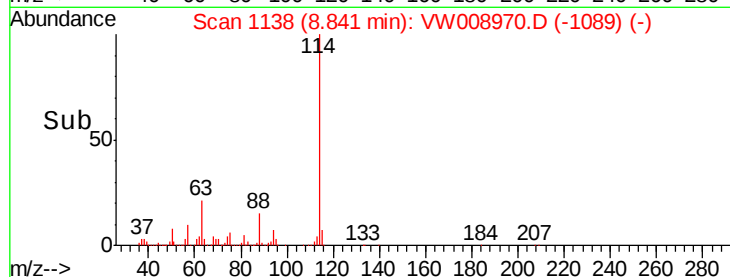
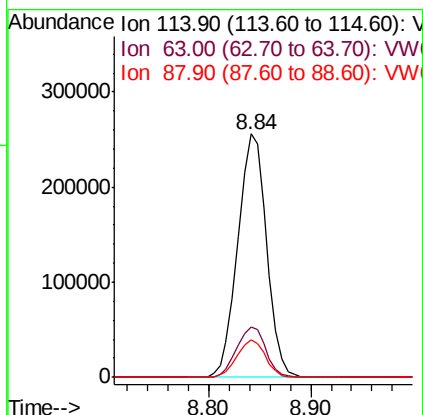
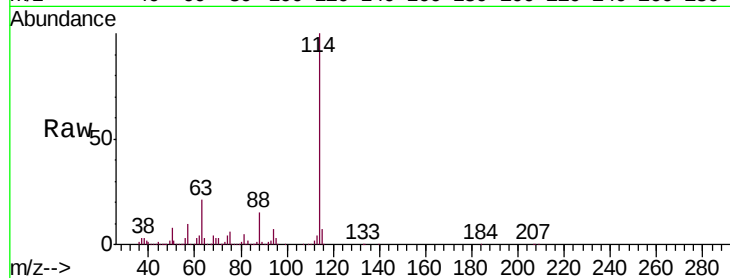




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008970.D
 Acq: 04 Mar 2019 19:16

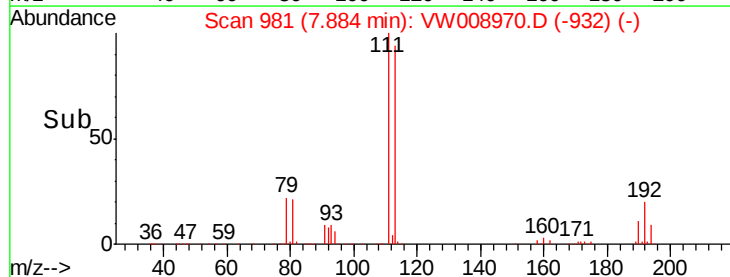
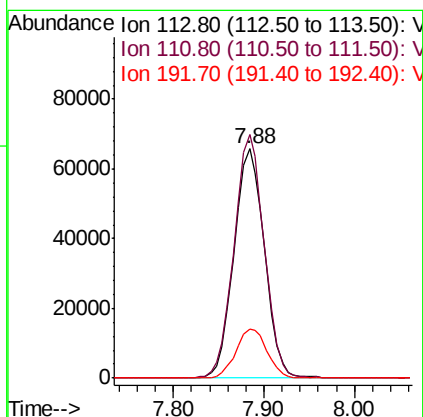
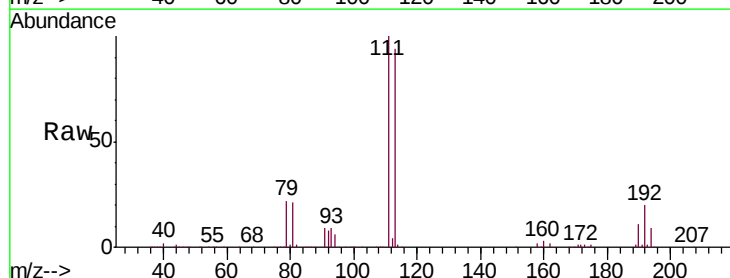
Instrument :
 MSVOA_W
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 VW0305SBL01

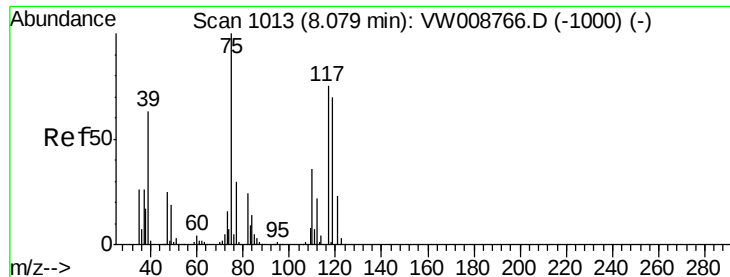
Tgt Ion:114 Resp: 500693
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 15.4 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 51.056 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008970.D
 Acq: 04 Mar 2019 19:16

Tgt Ion:113 Resp: 153485
 Ion Ratio Lower Upper
 113 100
 111 104.9 81.9 122.9
 192 21.8 17.1 25.7

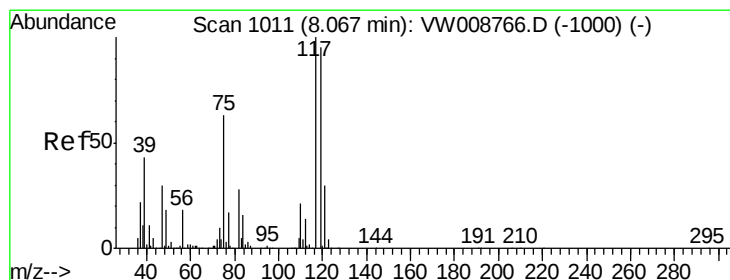
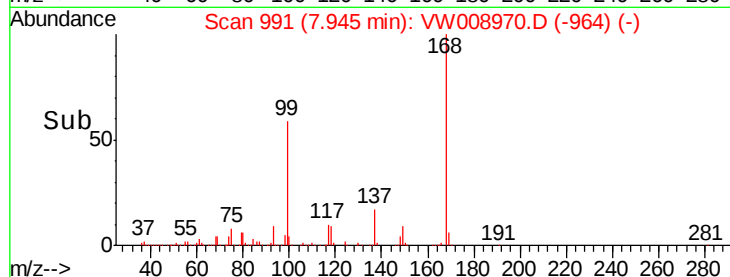
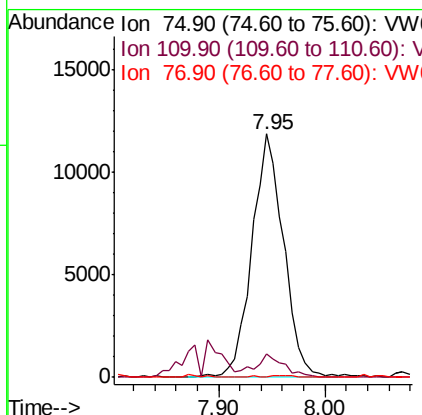
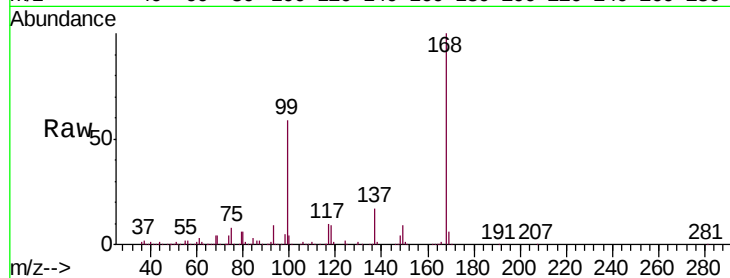




#36
 1,1-Dichloropropene
 Concen: 5.081 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008970.D
 Acq: 04 Mar 2019 19:16

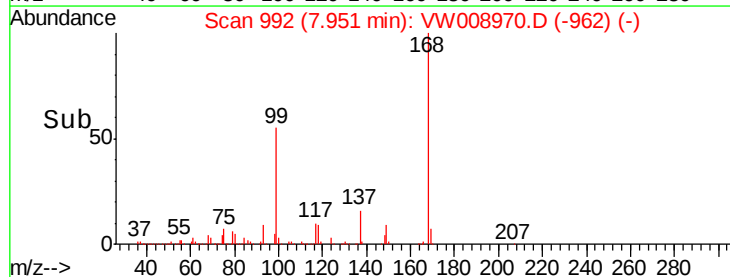
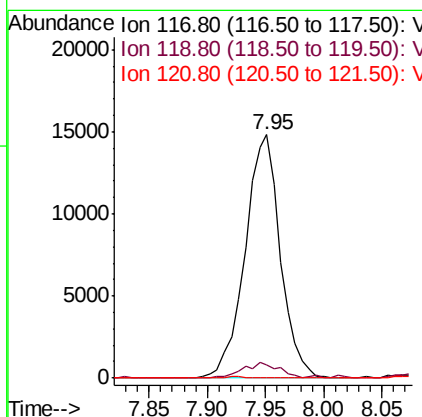
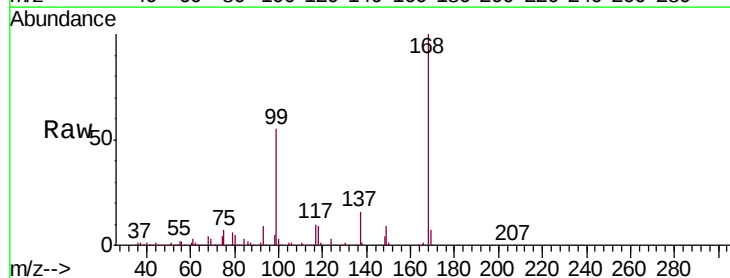
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBL01

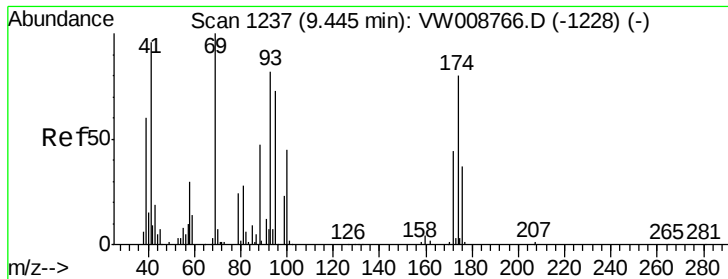
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.5	52.6#
77	0.1	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.083 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008970.D
 Acq: 04 Mar 2019 19:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.1	114.1#
121	0.0	24.0	36.0#

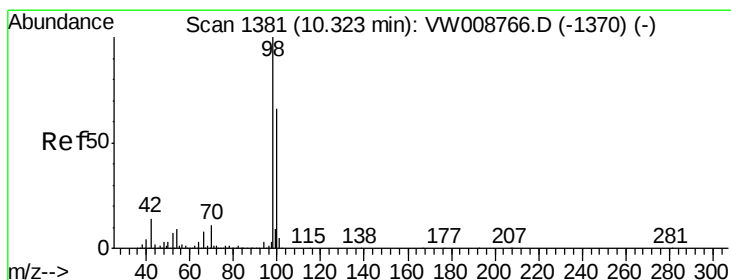
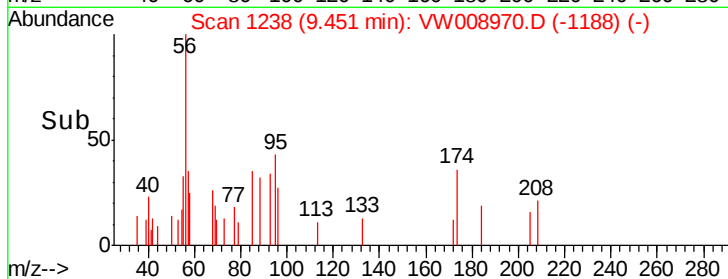
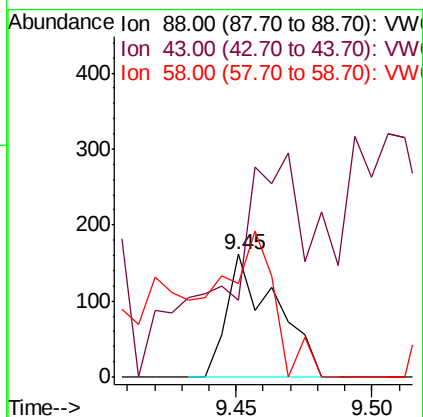
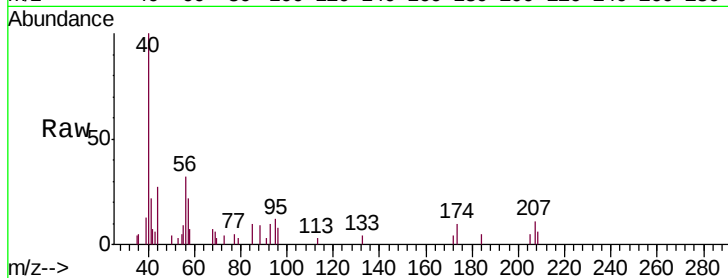




#49
1,4-Dioxane
Concen: 6.862 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008970.D
Acq: 04 Mar 2019 19:16

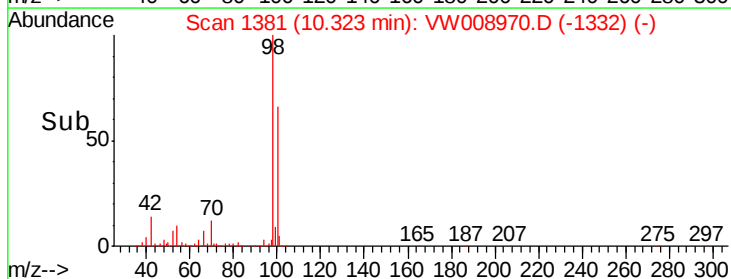
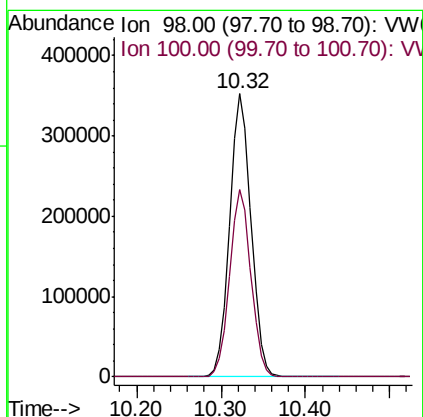
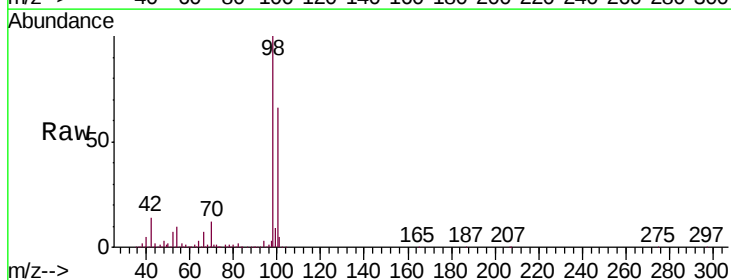
Instrument :
MSVOA_W
ClientSampleId :
VW0305SBL01

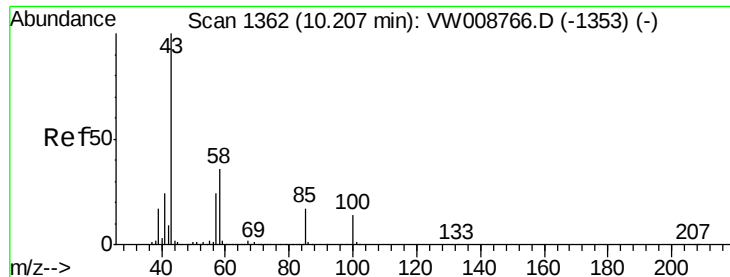
Tgt Ion: 88 Resp: 201
Ion Ratio Lower Upper
88 100
43 133.3 29.0 43.4#
58 115.9 52.0 78.0#



#50
Toluene-d8
Concen: 52.274 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008970.D
Acq: 04 Mar 2019 19:16

Tgt Ion: 98 Resp: 606639
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6

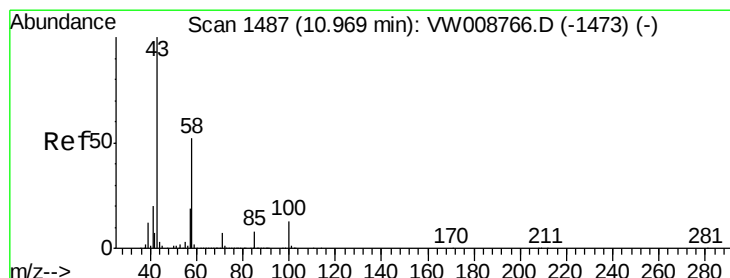
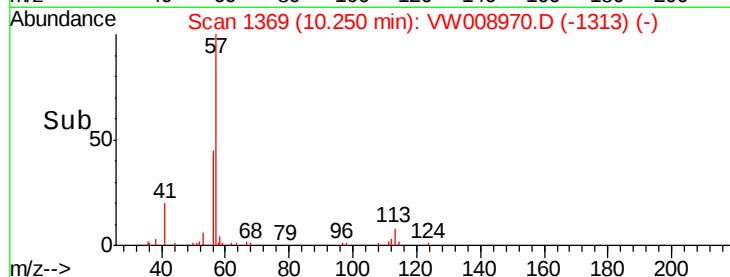
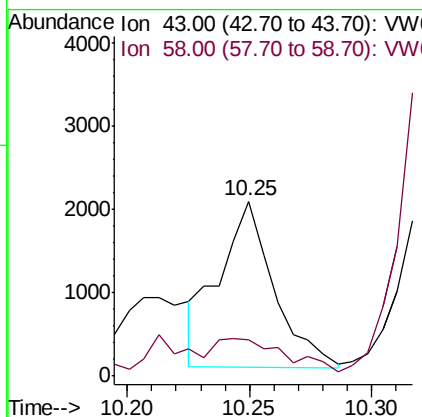
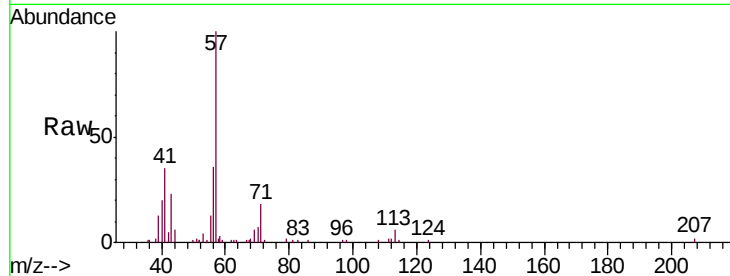




#51
 4-Methyl-2-Pentanone
 Concen: 1.359 ug/l
 RT: 10.25 min Scan# 1369
 Delta R.T. 0.04 min
 Lab File: VW008970.D
 Acq: 04 Mar 2019 19:16

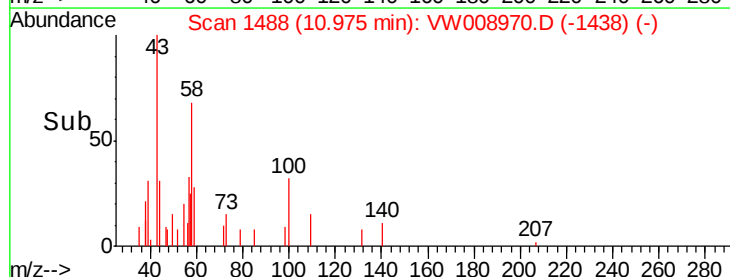
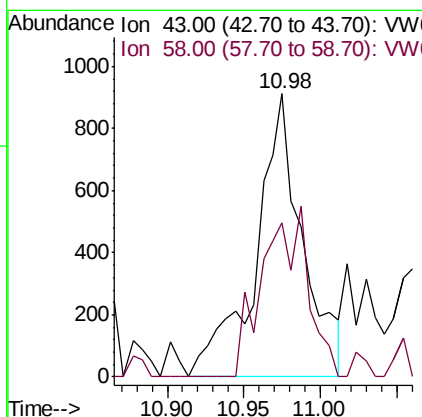
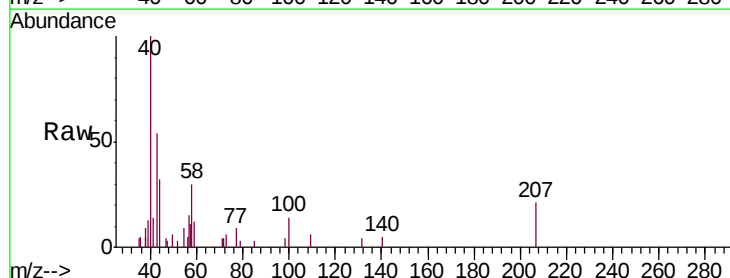
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBL01

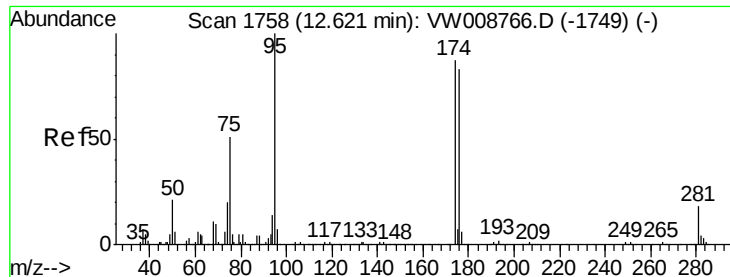
Tgt Ion: 43 Resp: 3120
 Ion Ratio Lower Upper
 43 100
 58 30.7 29.1 43.7



#59
 2-Hexanone
 Concen: 1.187 ug/l
 RT: 10.98 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VW008970.D
 Acq: 04 Mar 2019 19:16

Tgt Ion: 43 Resp: 1941
 Ion Ratio Lower Upper
 43 100
 58 58.2 25.3 75.8





#62

4-Bromofluorobenzene

Concen: 44.351 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008970.D

Acq: 04 Mar 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBL01

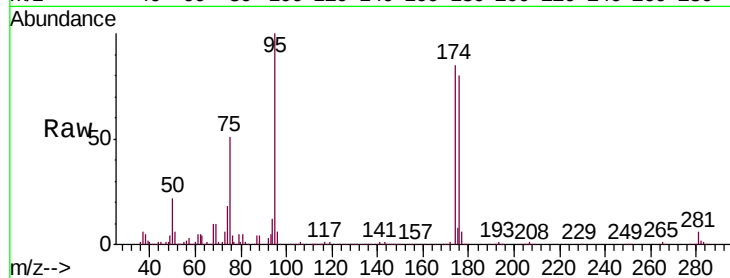
Tgt Ion: 95 Resp: 201523

Ion Ratio Lower Upper

95 100

174 85.4 0.0 169.2

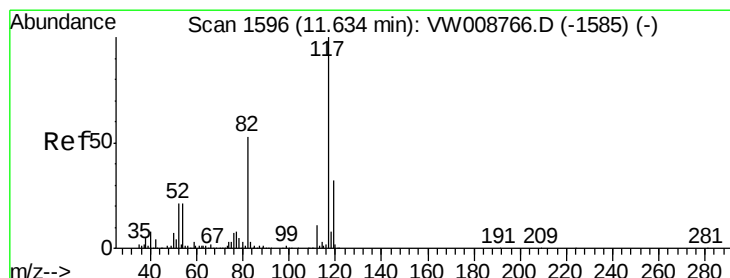
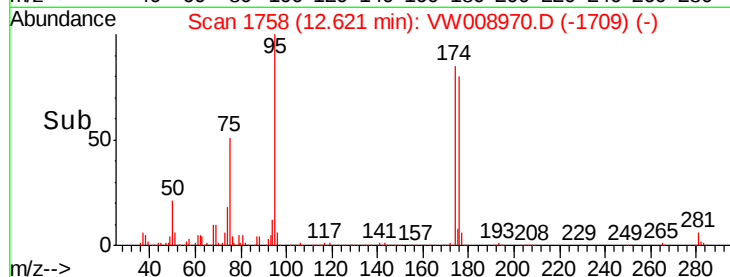
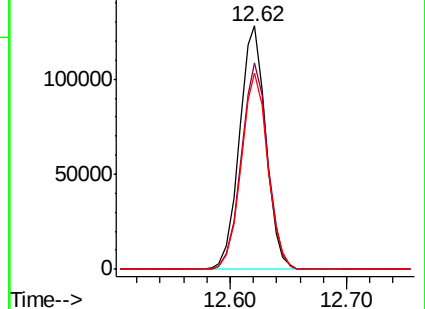
176 81.3 0.0 163.6



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: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008970.D

Acq: 04 Mar 2019 19:16

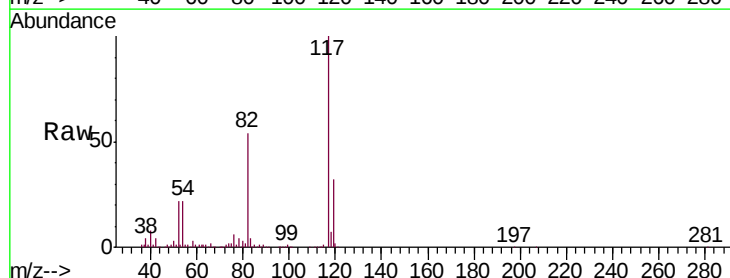
Tgt Ion: 117 Resp: 440860

Ion Ratio Lower Upper

117 100

82 53.7 42.2 63.4

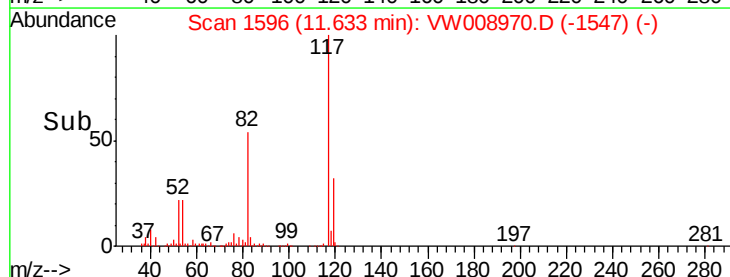
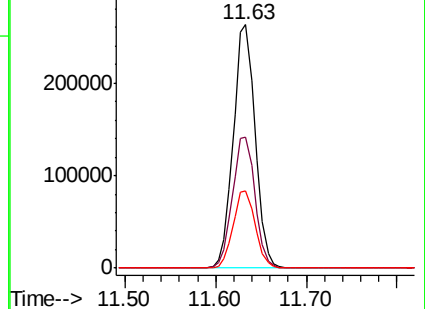
119 31.7 25.9 38.9

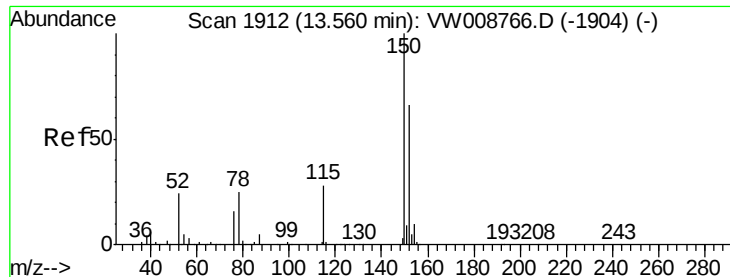


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008970.D

Acq: 04 Mar 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBL01

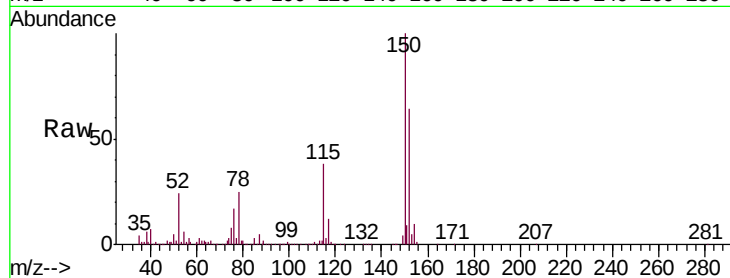
Tgt Ion: 152 Resp: 204575

Ion Ratio Lower Upper

152 100

115 57.8 28.6 85.8

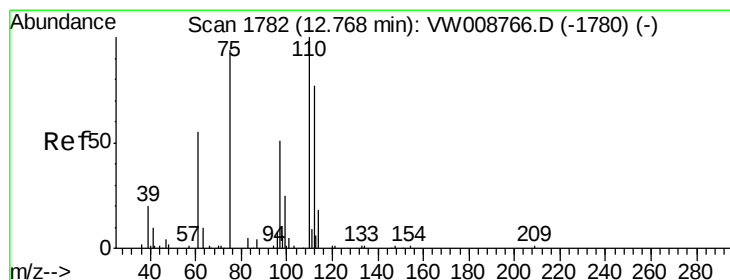
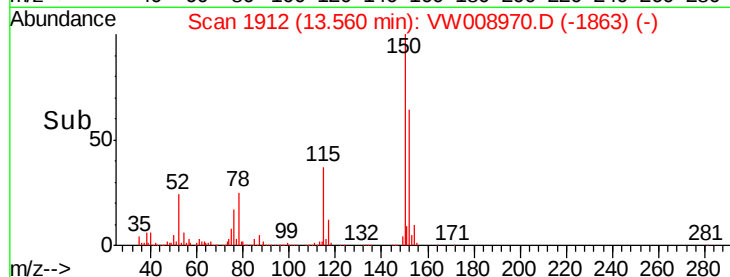
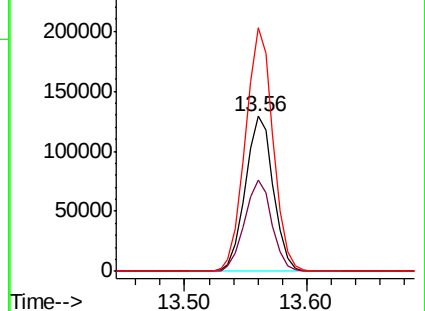
150 155.7 0.0 348.0



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: 64.183 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008970.D

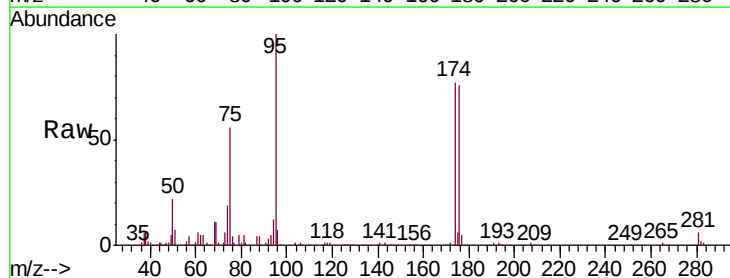
Acq: 04 Mar 2019 19:16

Tgt Ion: 75 Resp: 108408

Ion Ratio Lower Upper

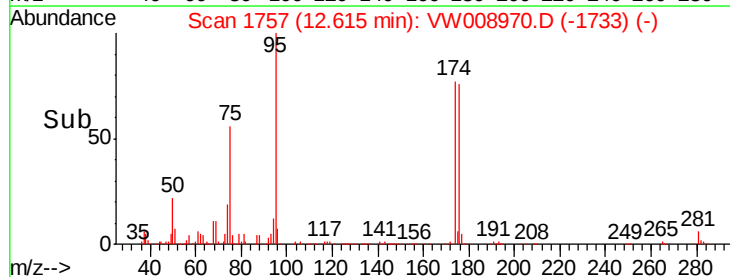
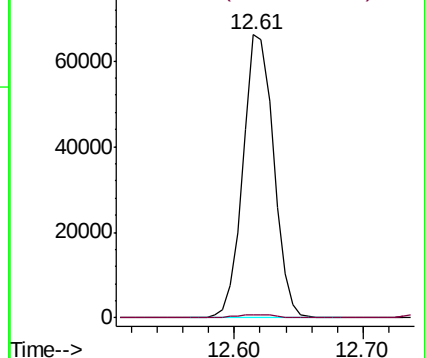
75 100

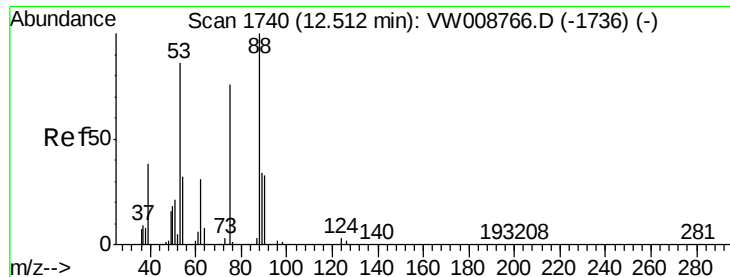
77 1.4 0.0 0.0#



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: 156.034 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008970.D

Acq: 04 Mar 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBL01

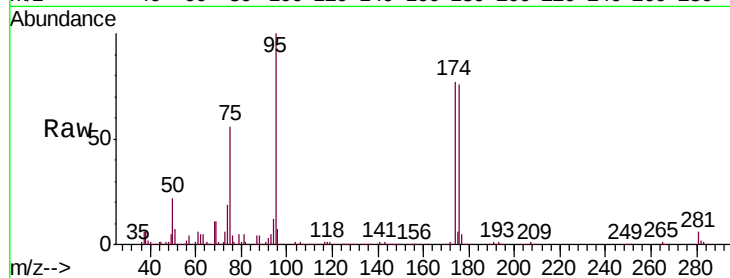
Tgt Ion: 75 Resp: 108408

Ion Ratio Lower Upper

75 100

53 0.4 88.2 132.2#

89 0.3 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

