

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030219\
 Data File : VW008950.D
 Acq On : 02 Mar 2019 05:33
 Operator : SY/VA
 Sample : K1675-17RE
 Misc : 5.99G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 Z-4-A-BRE

Quant Time: Mar 03 23:52:12 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	296241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	383019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	139298	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	171171	61.61	ug/l	0.00
Spiked Amount			Recovery	=	123.22%	
35) Dibromofluoromethane	7.88	113	145483	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
50) Toluene-d8	10.32	98	542106	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.62	95	155987	37.31	ug/l	0.00
Spiked Amount			Recovery	=	74.62%	

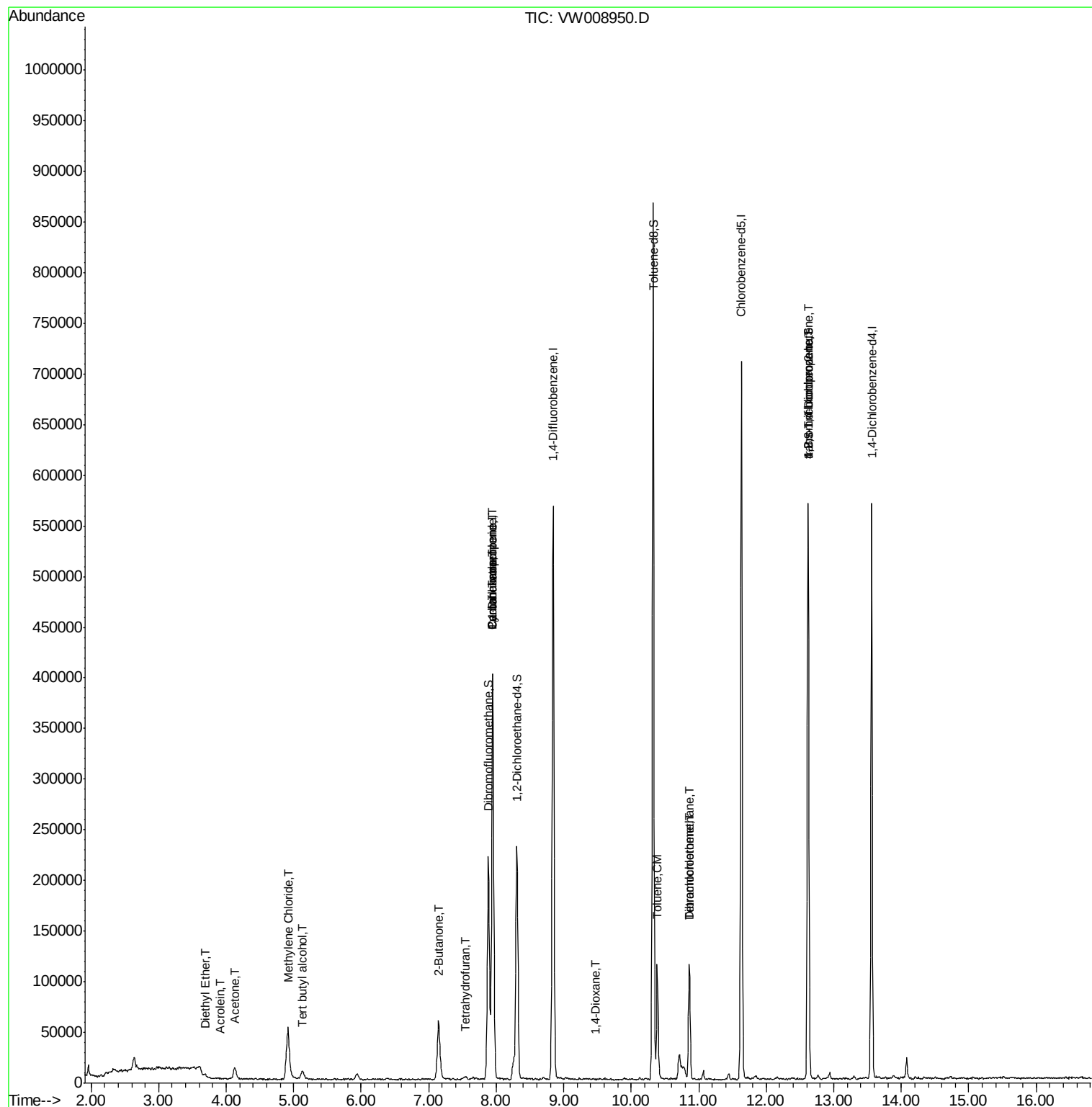
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	2018	1.318	ug/l	95
11) Tert butyl alcohol	5.13	59	6913	27.947	ug/l #	75
13) Acrolein	3.92	56	63	20.002	ug/l #	1
16) Acetone	4.13	43	20677	32.106	ug/l #	89
20) Methylene Chloride	4.92	84	37801	7.580	ug/l	93
25) 2-Butanone	7.14	43	3262	3.623	ug/l	90
29) Tetrahydrofuran	7.54	42	2324	4.050	ug/l #	89
31) Cyclohexane	7.95	56	6883	1.314	ug/l #	11
36) 1,1-Dichloropropene	7.95	75	23683	5.281	ug/l #	42
38) Carbon Tetrachloride	7.95	117	29041	6.141	ug/l #	16
49) 1,4-Dioxane	9.46	88	29	1.076	ug/l #	1
52) Toluene	10.39	92	46418	5.586	ug/l	98
60) Dibromochloromethane	10.86	129	19889	7.144	ug/l #	10
64) Tetrachloroethene	10.86	164	23729	8.655	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	83747	72.818	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83747	177.026	ug/l #	6

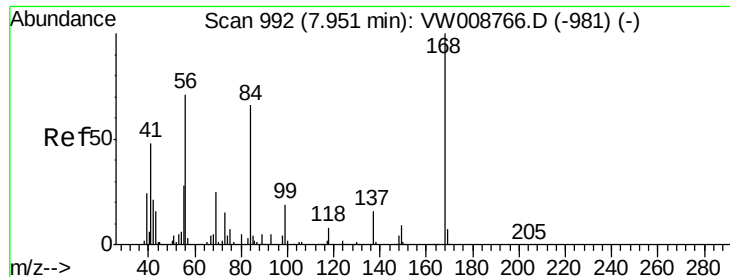
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW030219\
Data File : VW008950.D
Acq On : 02 Mar 2019 05:33
Operator : SY/VA
Sample : K1675-17RE
Misc : 5.99G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
Z-4-A-BRE

Quant Time: Mar 03 23:52:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008950.D

Acq: 02 Mar 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

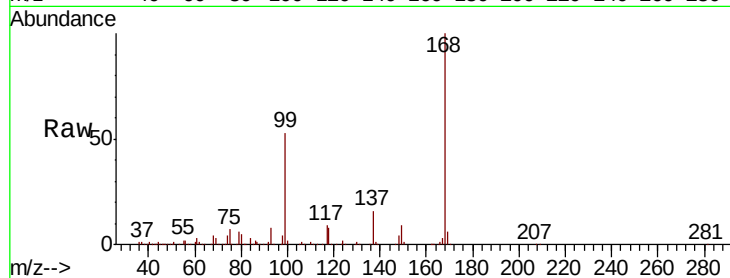
Z-4-A-BRE

Tgt Ion:168 Resp: 296241

Ion Ratio Lower Upper

168 100

99 52.9 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

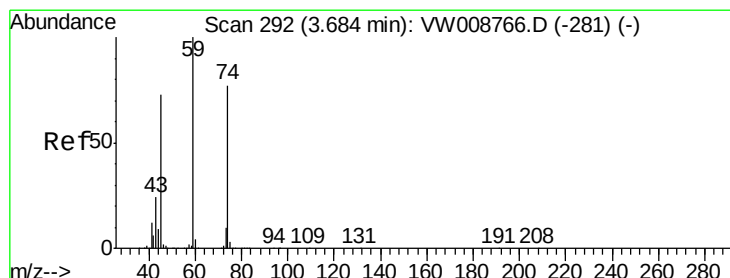
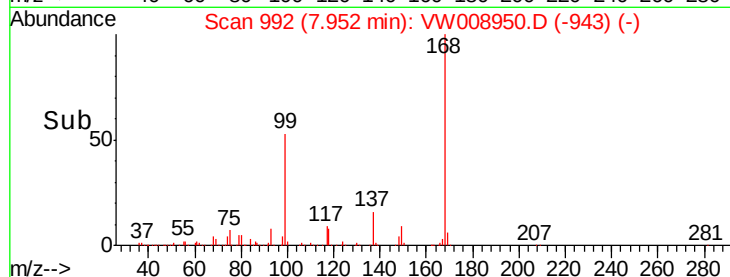
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 1.318 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW008950.D

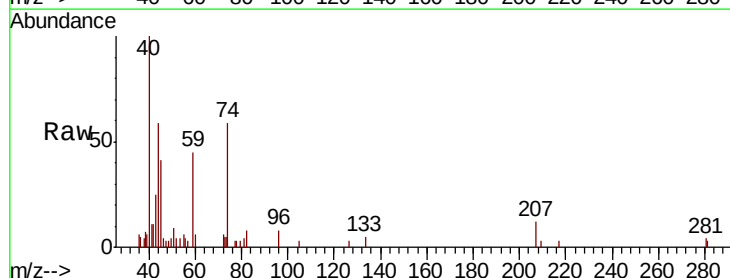
Acq: 02 Mar 2019 05:33

Tgt Ion: 74 Resp: 2018

Ion Ratio Lower Upper

74 100

45 95.1 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

1200

1000

800

600

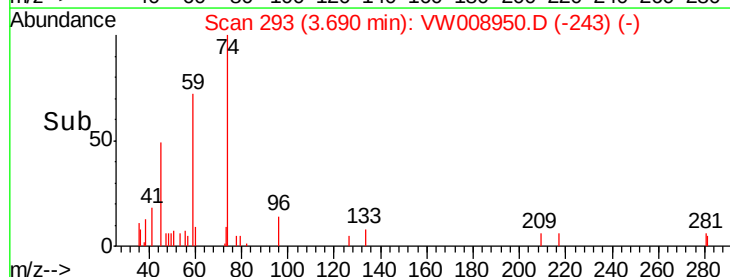
400

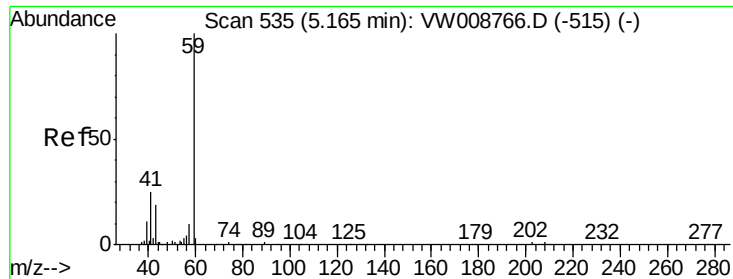
200

0

3.60 3.65 3.70 3.75

Time-->

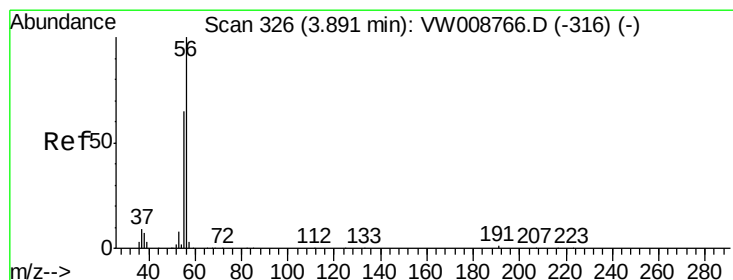
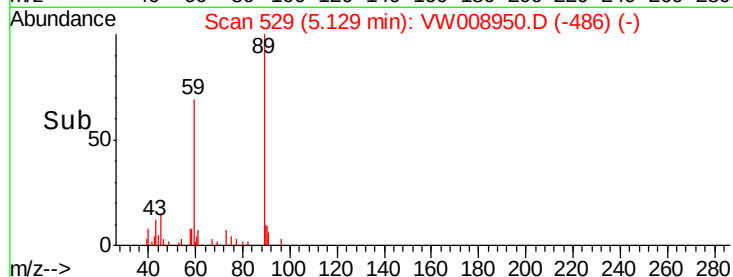
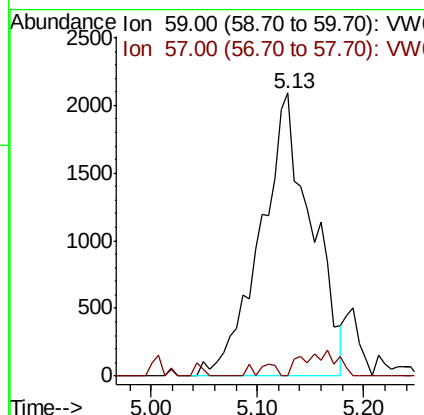
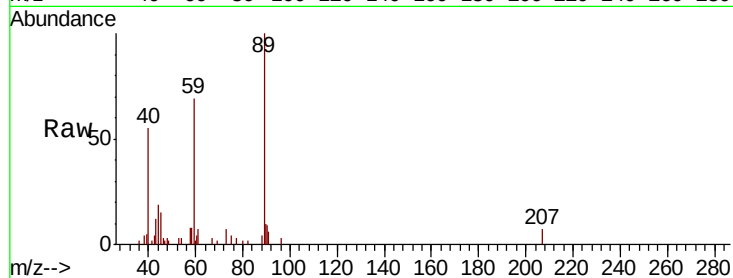




#11
Tert butyl alcohol
Concen: 27.947 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW008950.D
Acq: 02 Mar 2019 05:33

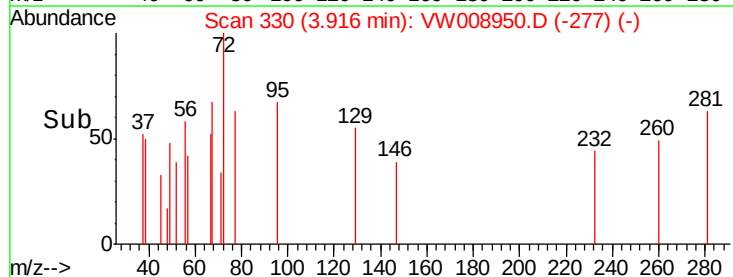
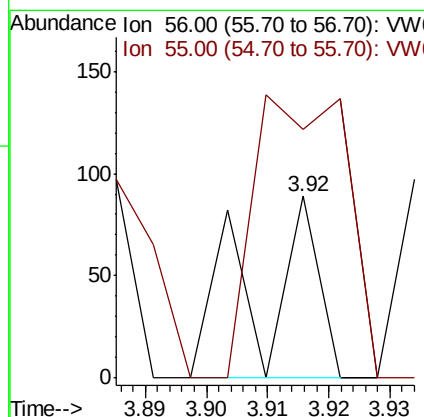
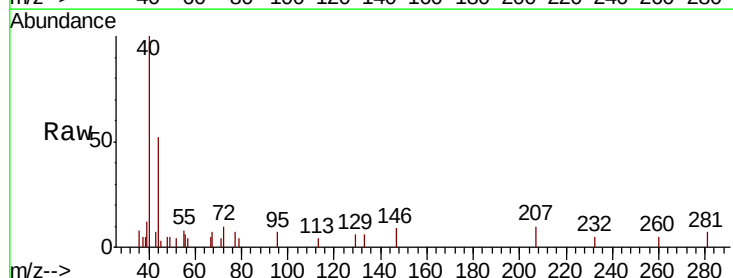
Instrument :
MSVOA_W
ClientSampleId :
Z-4-A-BRE

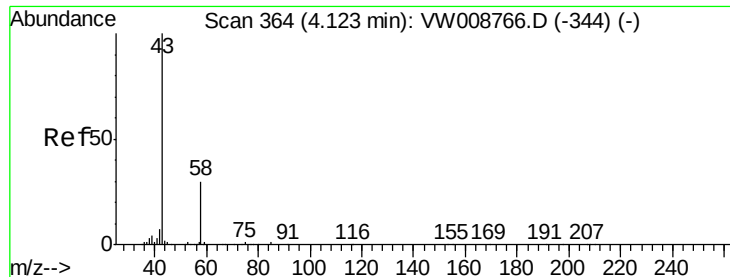
Tgt Ion: 59 Resp: 6913
Ion Ratio Lower Upper
59 100
57 2.0 9.3 13.9#



#13
Acrolein
Concen: 20.002 ug/l
RT: 3.92 min Scan# 330
Delta R.T. 0.02 min
Lab File: VW008950.D
Acq: 02 Mar 2019 05:33

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 231.7 56.9 85.3#





#16

Acetone

Concen: 32.106 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008950.D

Acq: 02 Mar 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

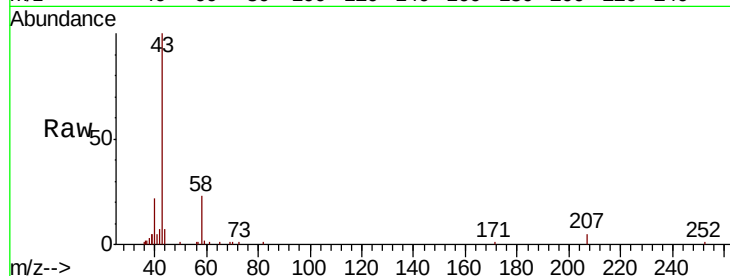
Z-4-A-BRE

Tgt Ion: 43 Resp: 20677

Ion Ratio Lower Upper

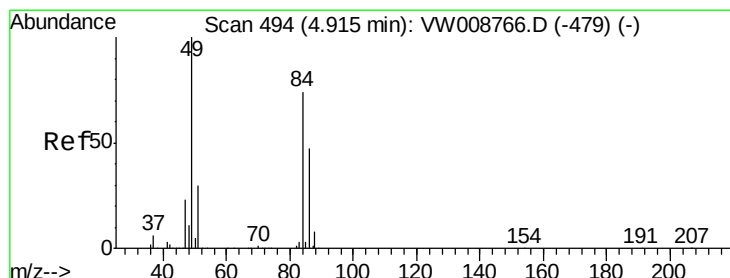
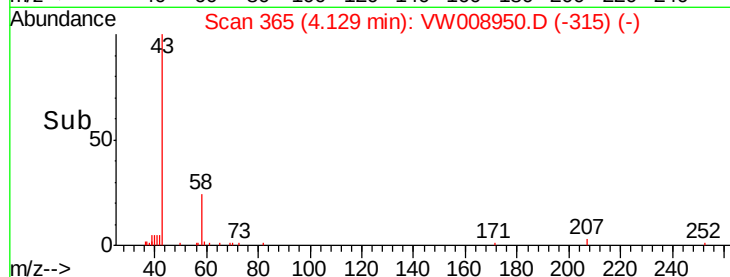
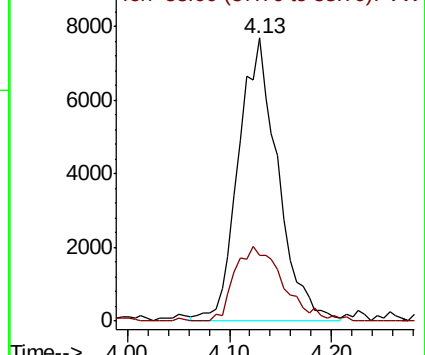
43 100

58 23.5 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: 7.580 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008950.D

Acq: 02 Mar 2019 05:33

Tgt Ion: 84 Resp: 37801

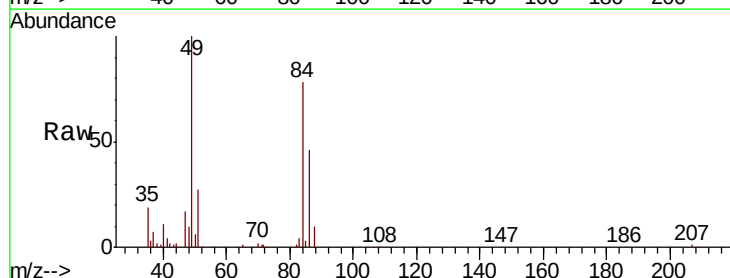
Ion Ratio Lower Upper

84 100

49 127.4 108.2 162.2

51 34.3 32.7 49.1

86 59.1 50.3 75.5

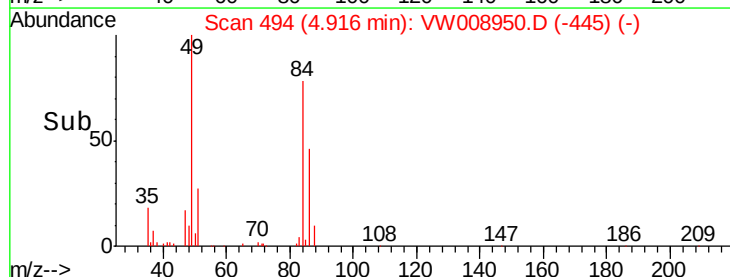
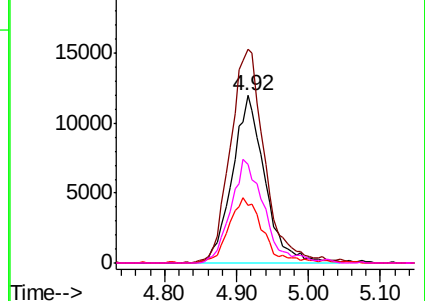


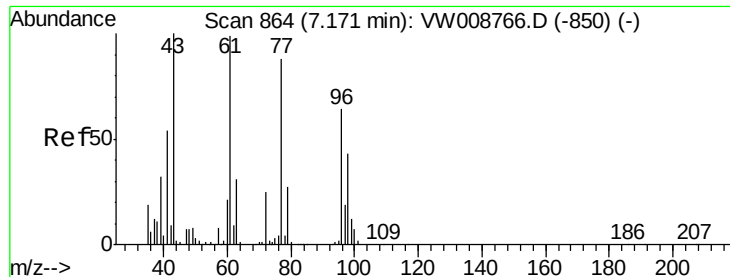
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 3.623 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008950.D

Acq: 02 Mar 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

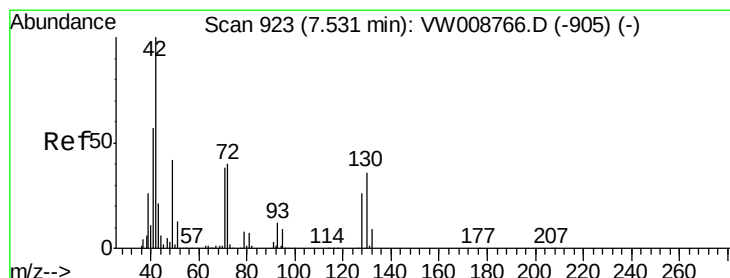
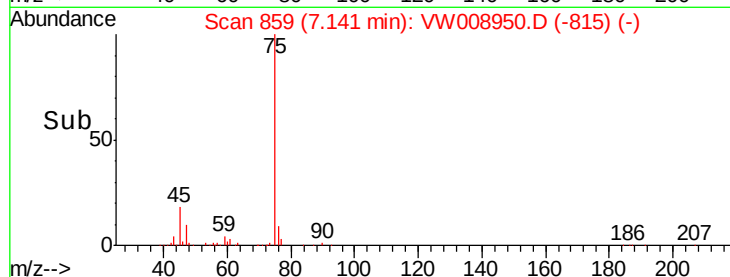
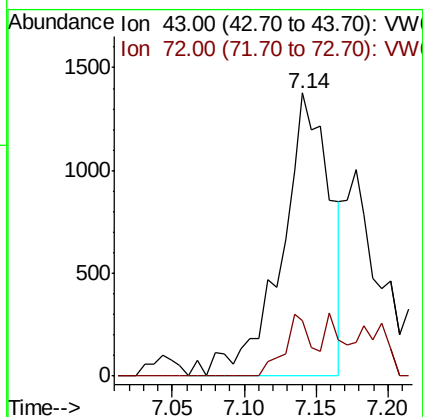
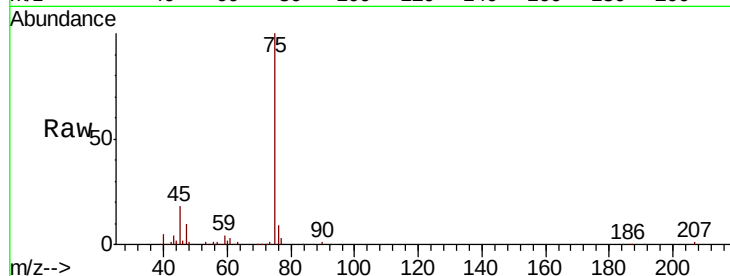
Z-4-A-BRE

Tgt Ion: 43 Resp: 3262

Ion Ratio Lower Upper

43 100

72 19.7 19.7 29.5



#29

Tetrahydrofuran

Concen: 4.050 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008950.D

Acq: 02 Mar 2019 05:33

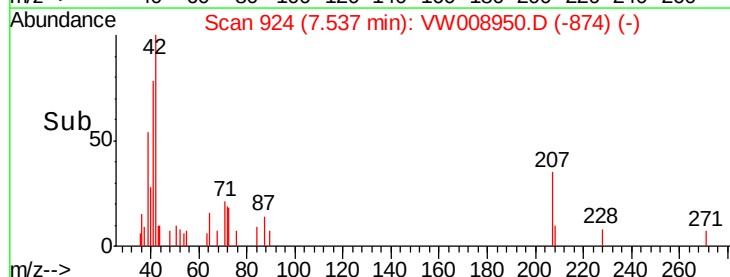
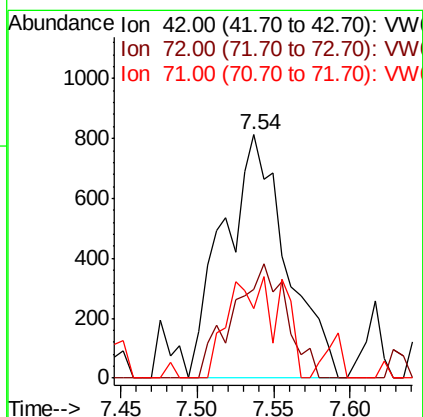
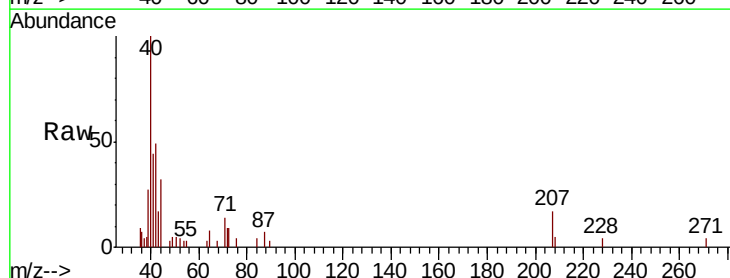
Tgt Ion: 42 Resp: 2324

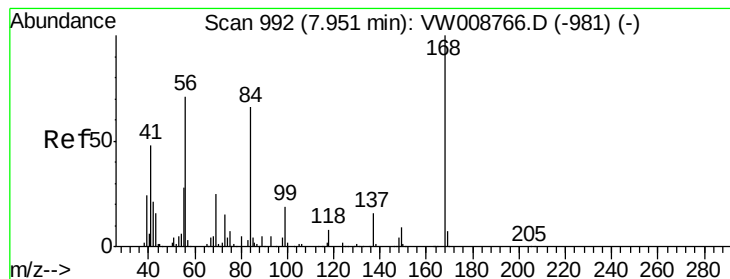
Ion Ratio Lower Upper

42 100

72 40.4 32.7 49.1

71 25.6 31.3 46.9#





#31

Cyclohexane

Concen: 1.314 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008950.D

Acq: 02 Mar 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

Z-4-A-BRE

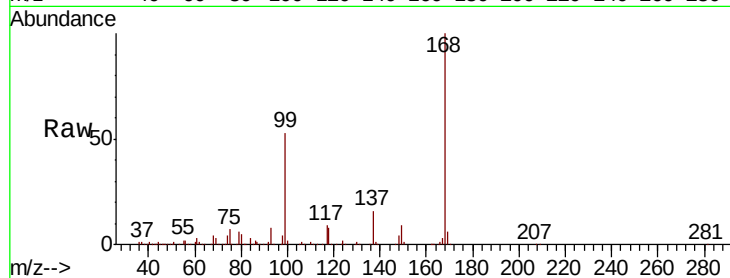
Tgt Ion: 56 Resp: 6883

Ion Ratio Lower Upper

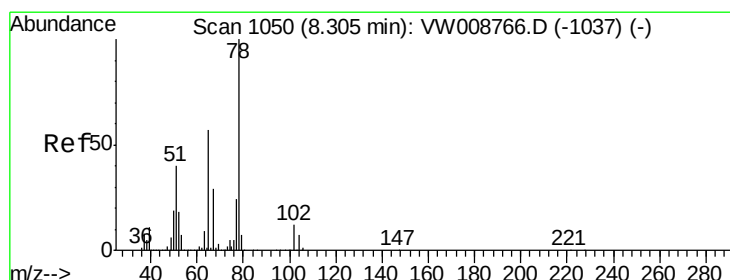
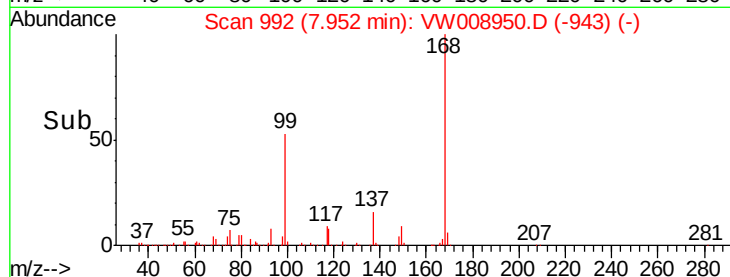
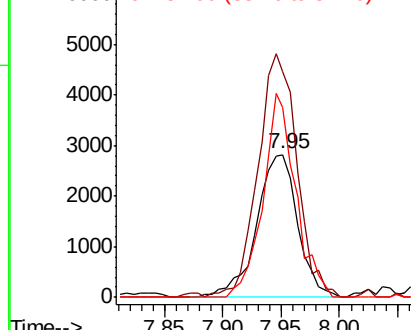
56 100

69 158.2 28.2 42.4#

84 133.2 74.1 111.1#



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: 61.606 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008950.D

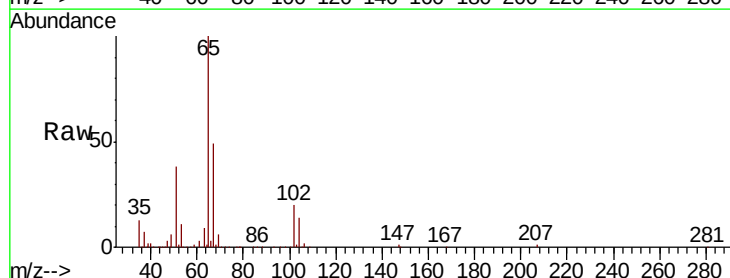
Acq: 02 Mar 2019 05:33

Tgt Ion: 65 Resp: 171171

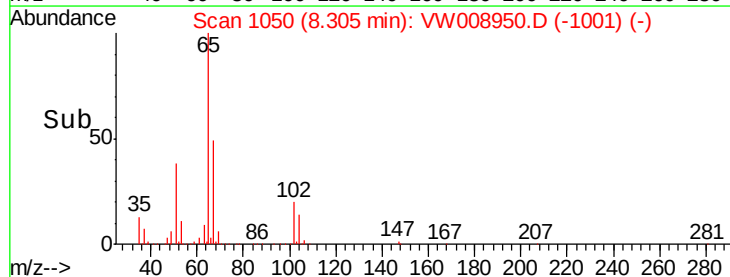
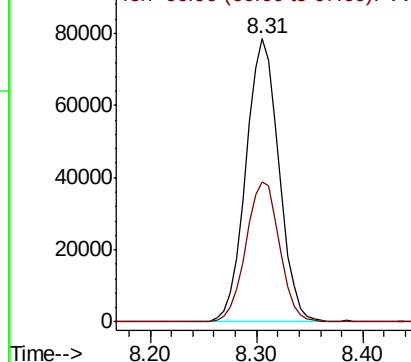
Ion Ratio Lower Upper

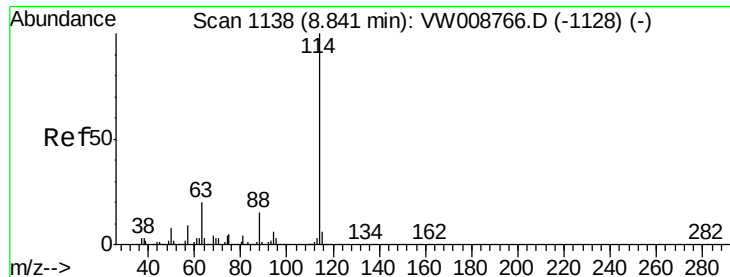
65 100

67 50.5 0.0 101.4



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

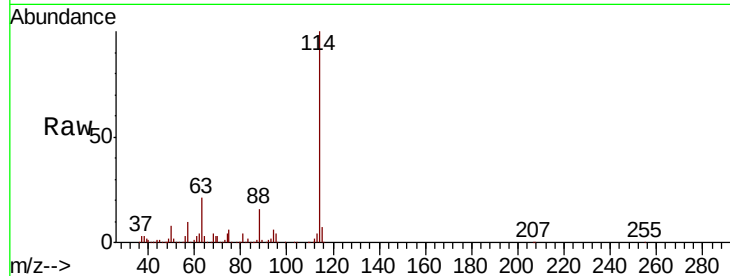




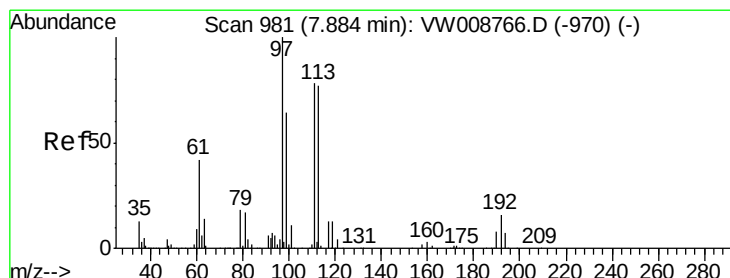
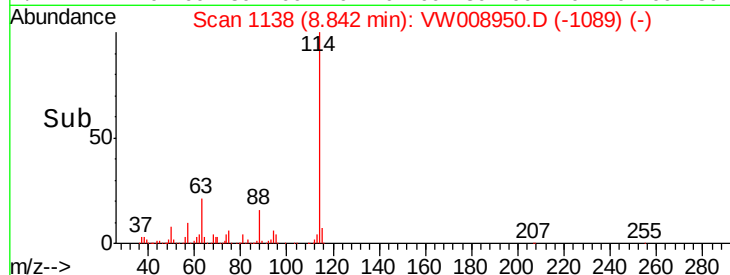
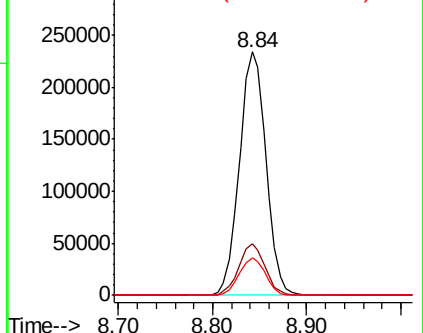
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008950.D
 Acq: 02 Mar 2019 05:33

Instrument :
 MSVOA_W
 ClientSampleId :
 Z-4-A-BRE

Tgt Ion:114 Resp: 460684
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.8
 88 15.5 0.0 30.4

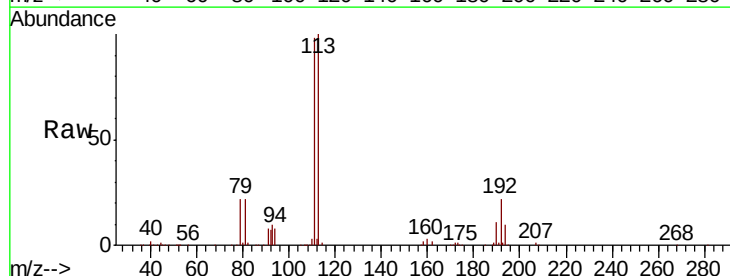


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

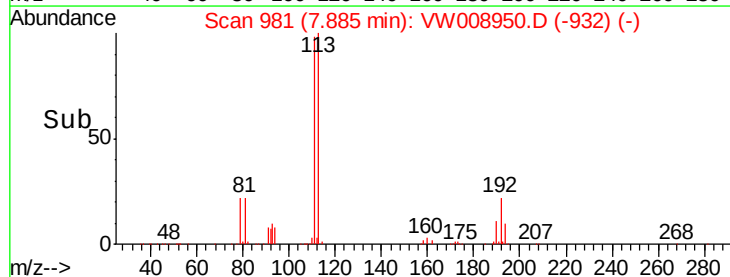
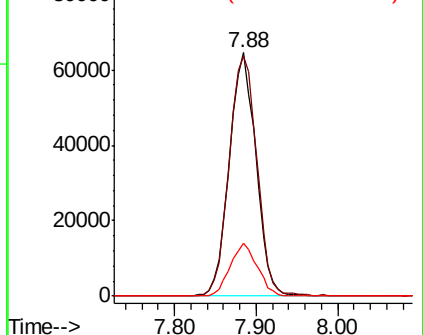


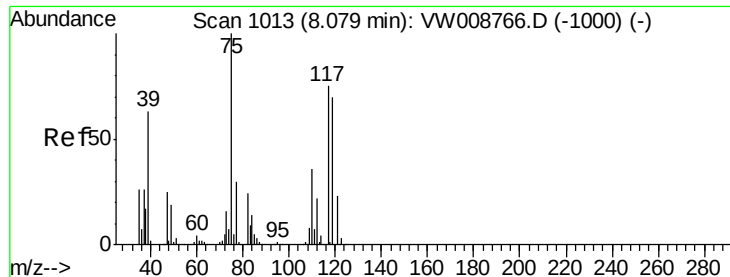
#35
 Dibromofluoromethane
 Concen: 52.597 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008950.D
 Acq: 02 Mar 2019 05:33

Tgt Ion:113 Resp: 145483
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.9 122.9
 192 22.0 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

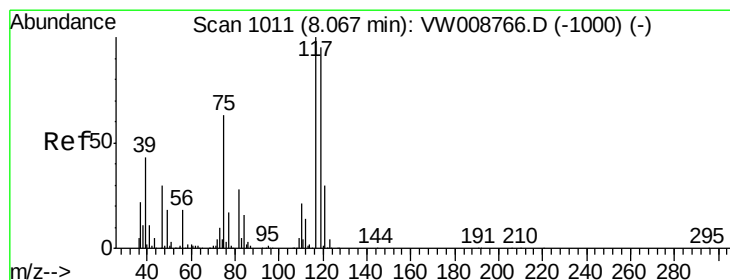
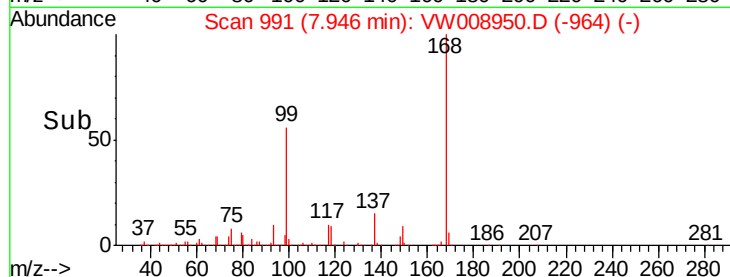
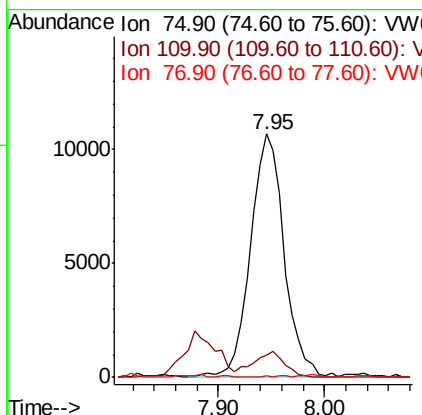
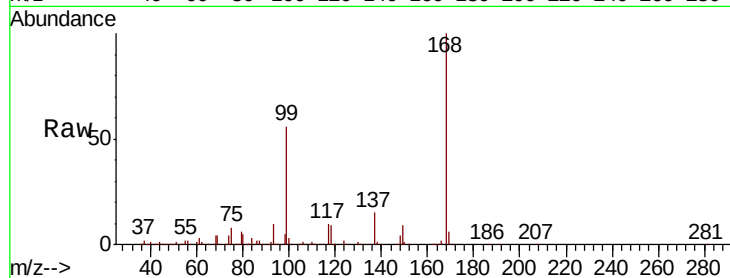




#36
 1,1-Dichloropropene
 Concen: 5.281 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008950.D
 Acq: 02 Mar 2019 05:33

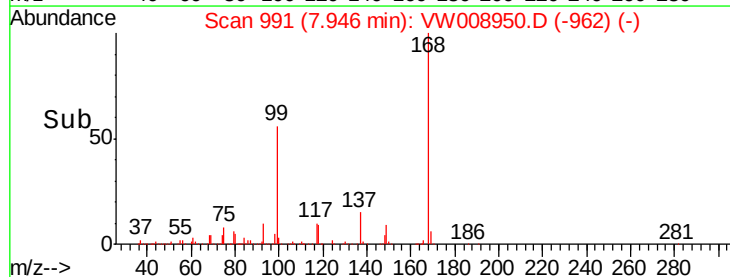
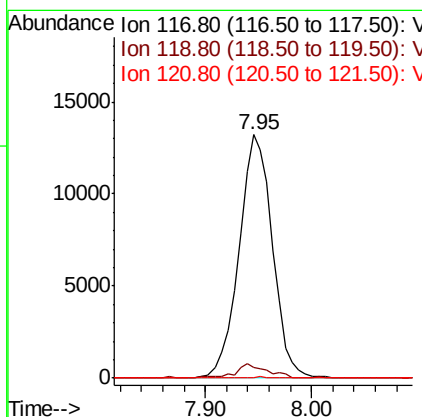
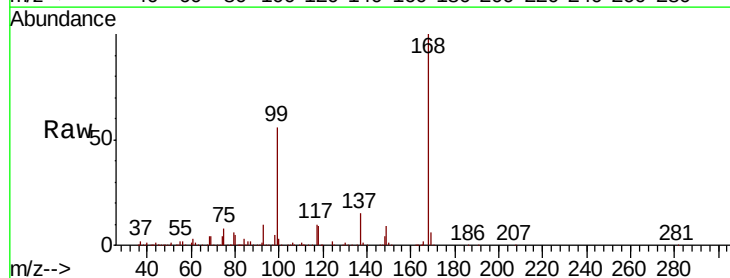
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-4-A-BRE

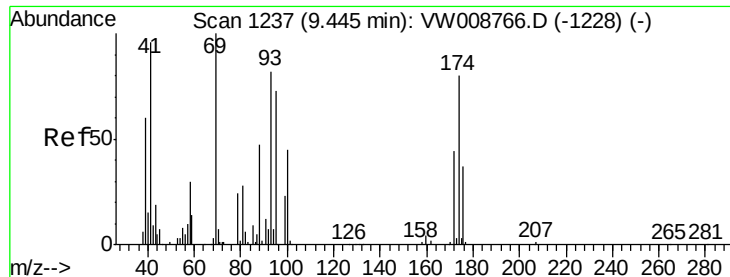
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.5	52.6#
77	0.1	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.141 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008950.D
 Acq: 02 Mar 2019 05:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.1	114.1#
121	0.0	24.0	36.0#

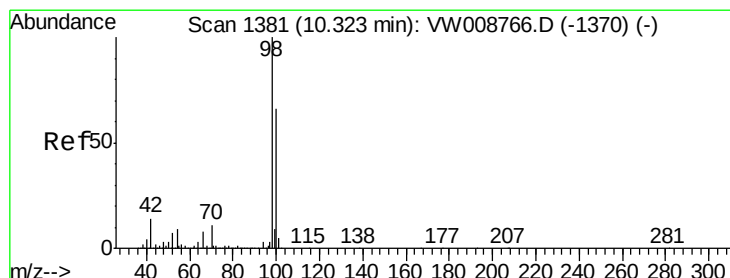
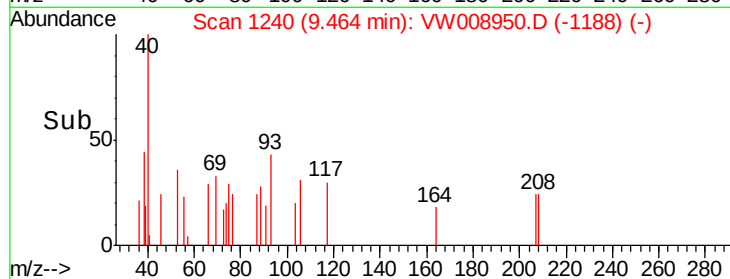
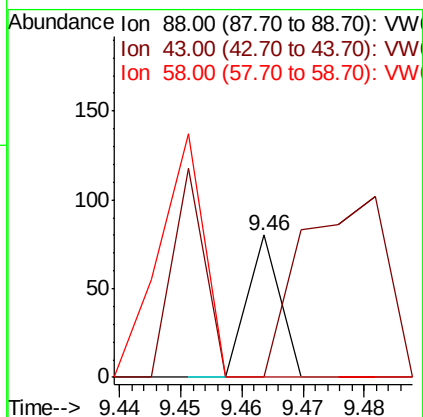
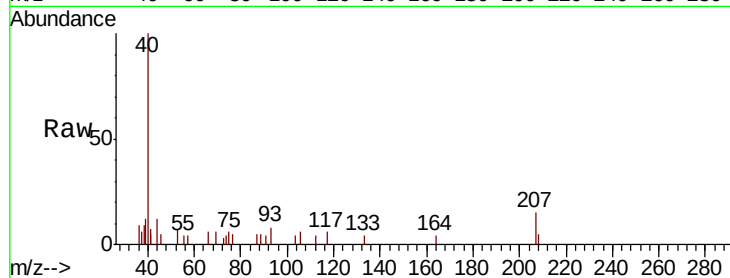




#49
1,4-Dioxane
Concen: 1.076 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW008950.D
Acq: 02 Mar 2019 05:33

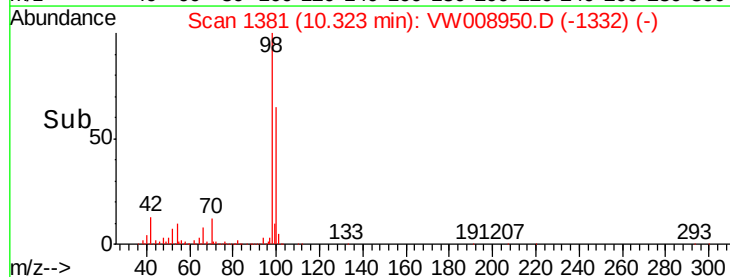
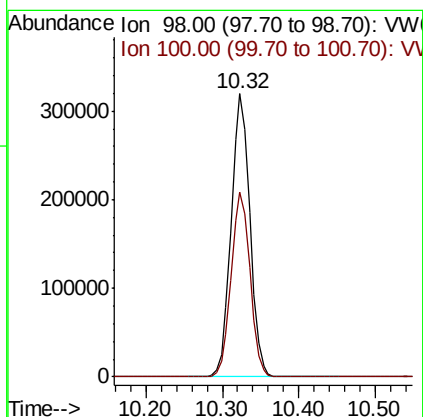
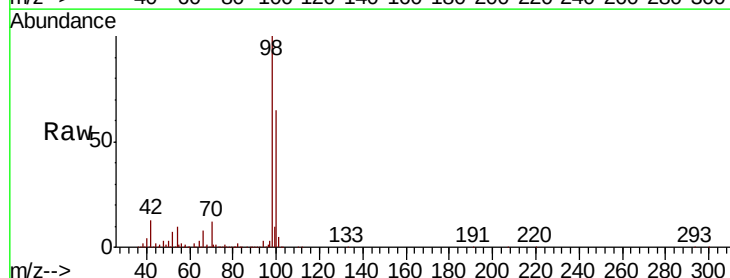
Instrument :
MSVOA_W
ClientSampleId :
Z-4-A-BRE

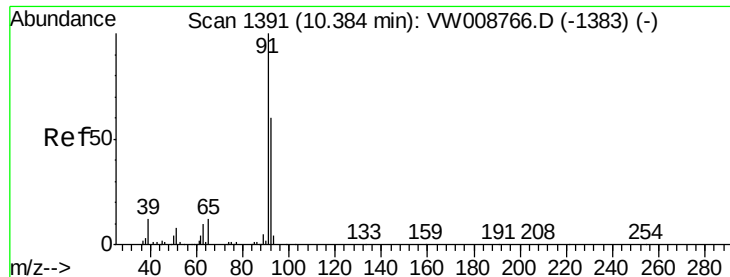
Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 148.3 29.0 43.4#
58 241.4 52.0 78.0#



#50
Toluene-d8
Concen: 50.770 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008950.D
Acq: 02 Mar 2019 05:33

Tgt Ion: 98 Resp: 542106
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6





#52

Toluene

Concen: 5.586 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008950.D

Acq: 02 Mar 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

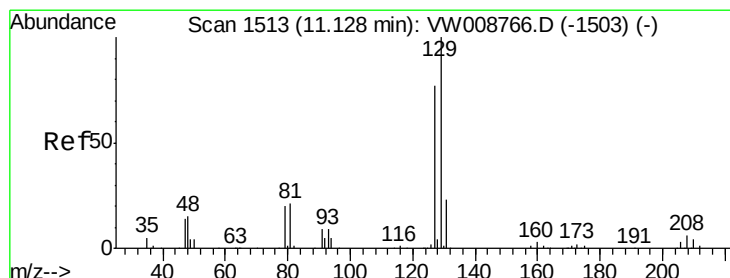
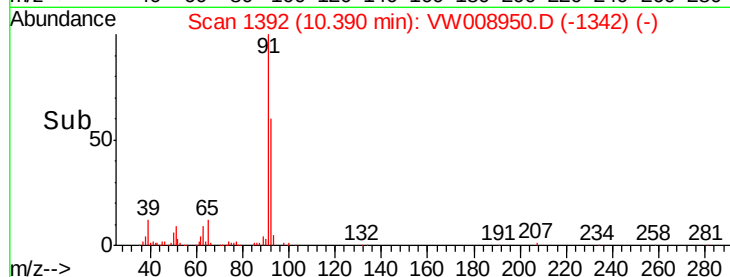
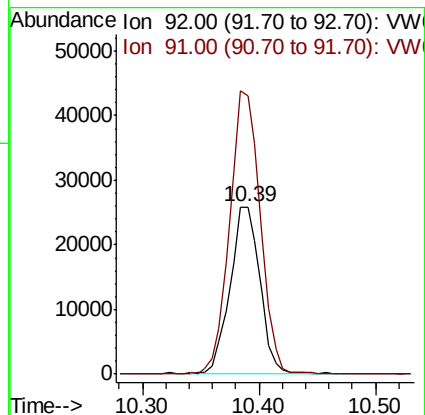
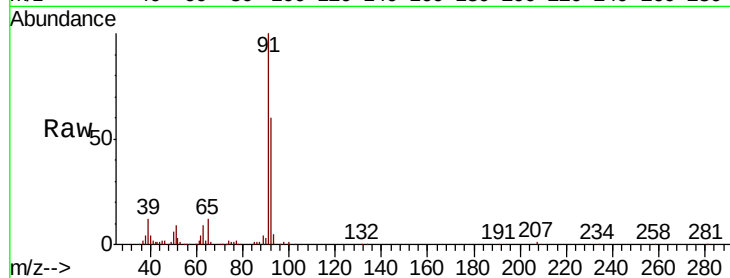
Z-4-A-BRE

Tgt Ion: 92 Resp: 46418

Ion Ratio Lower Upper

92 100

91 173.3 136.9 205.3



#60

Dibromochloromethane

Concen: 7.144 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW008950.D

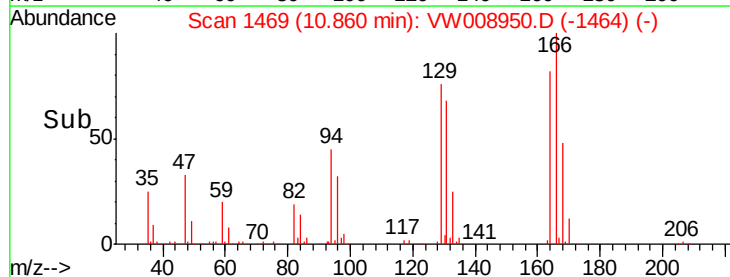
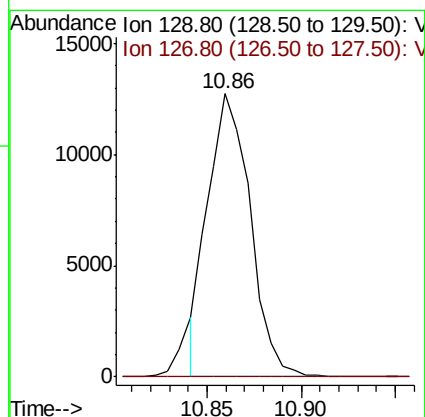
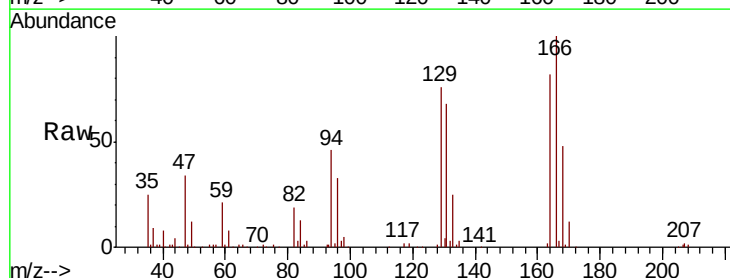
Acq: 02 Mar 2019 05:33

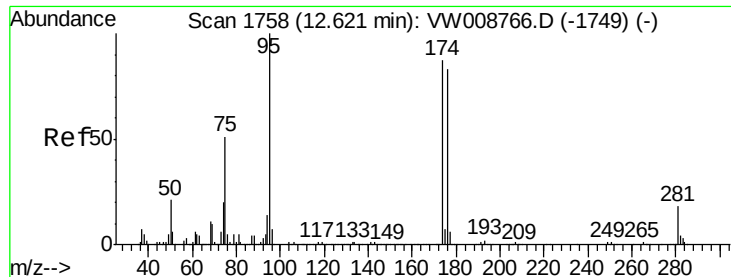
Tgt Ion: 129 Resp: 19889

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

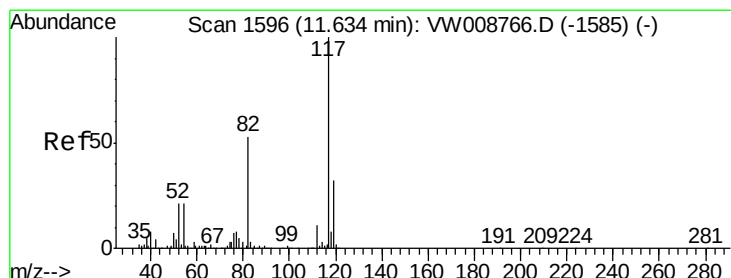
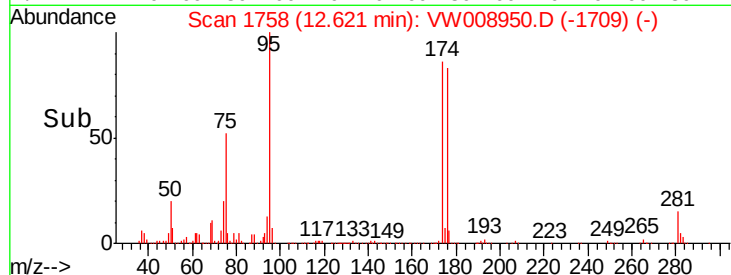
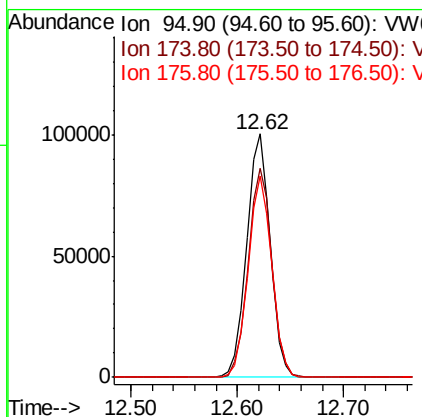
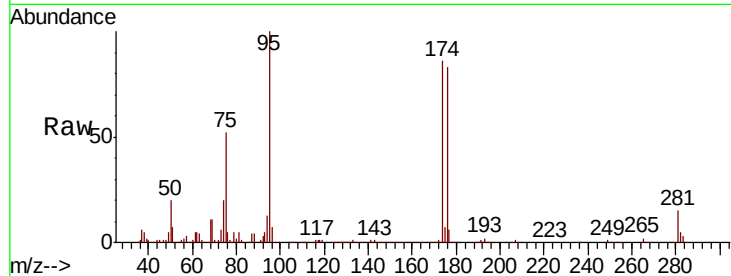




#62
4-Bromofluorobenzene
Concen: 37.311 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008950.D
Acq: 02 Mar 2019 05:33

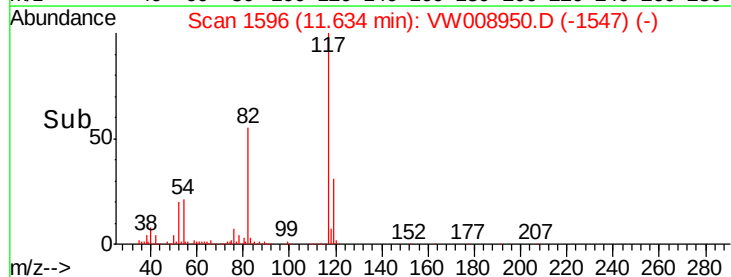
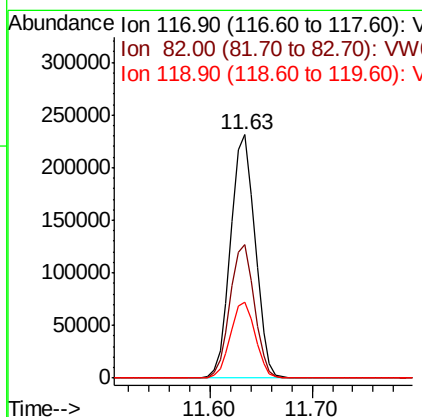
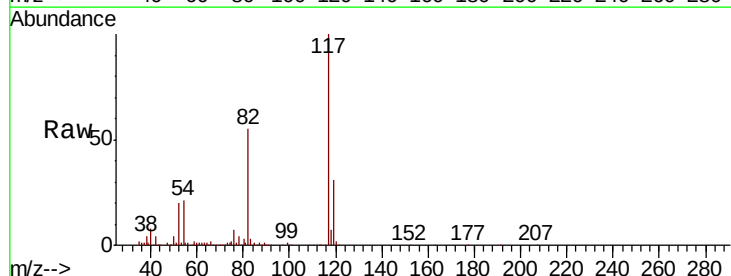
Instrument :
MSVOA_W
ClientSampleId :
Z-4-A-BRE

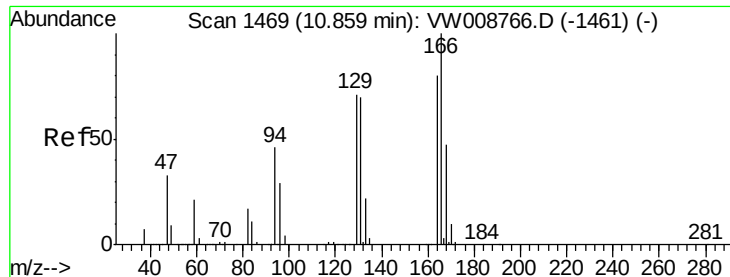
Tgt Ion: 95 Resp: 155987
Ion Ratio Lower Upper
95 100
174 86.4 0.0 169.2
176 83.0 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008950.D
Acq: 02 Mar 2019 05:33

Tgt Ion: 117 Resp: 383019
Ion Ratio Lower Upper
117 100
82 54.9 42.2 63.4
119 31.4 25.9 38.9





#64

Tetrachloroethene

Concen: 8.655 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW008950.D

Acq: 02 Mar 2019 05:33

Instrument :

MSVOA_W

ClientSampled :

Z-4-A-BRE

Tgt Ion:164 Resp: 23729

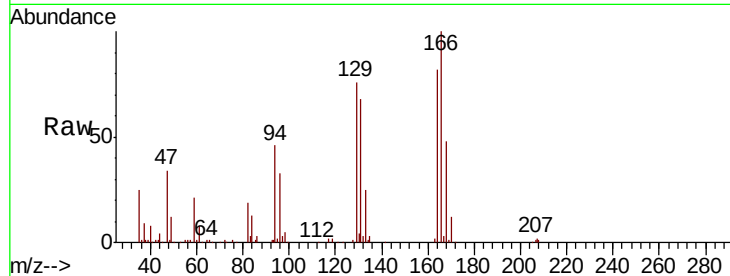
Ion Ratio Lower Upper

164 100

166 122.2 99.5 149.3

129 93.0 71.1 106.7

131 83.3 69.8 104.8

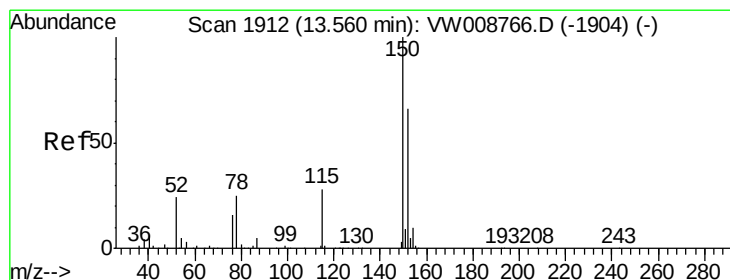
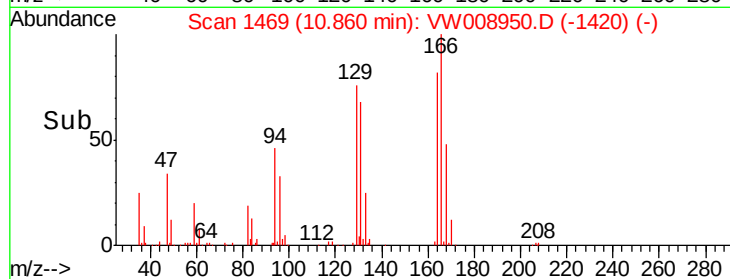
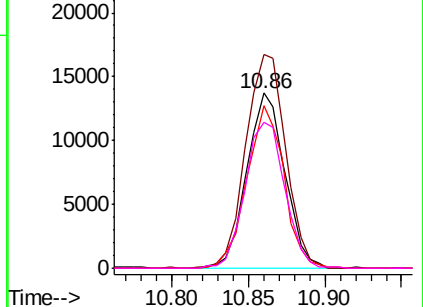


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008950.D

Acq: 02 Mar 2019 05:33

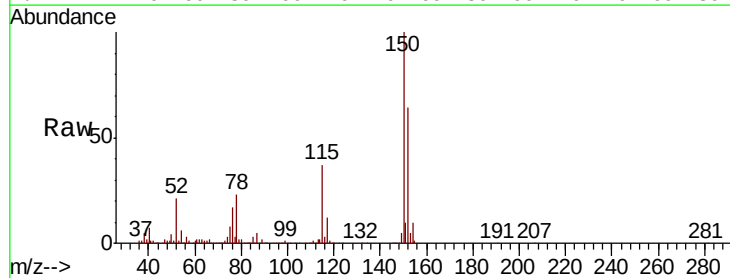
Tgt Ion:152 Resp: 139298

Ion Ratio Lower Upper

152 100

115 57.8 28.6 85.8

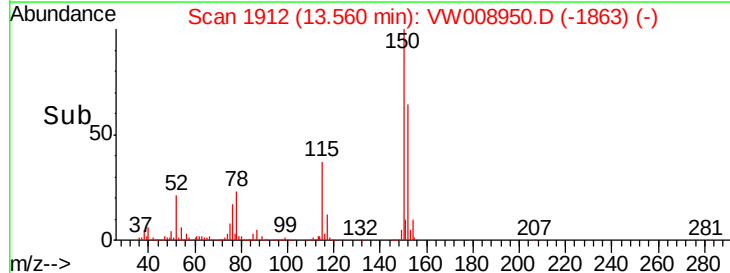
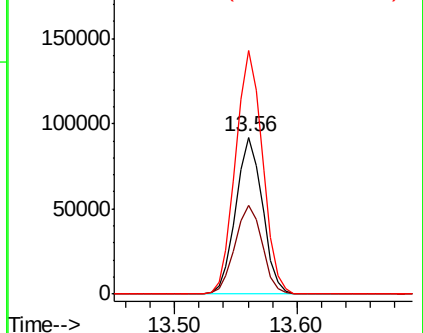
150 157.4 0.0 348.0

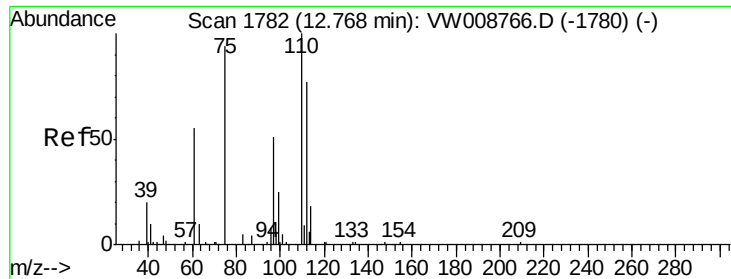


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 72.818 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008950.D

Acq: 02 Mar 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

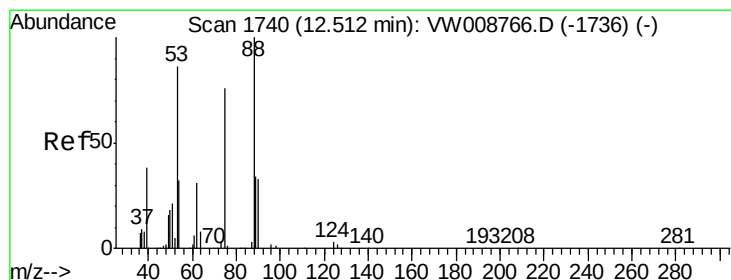
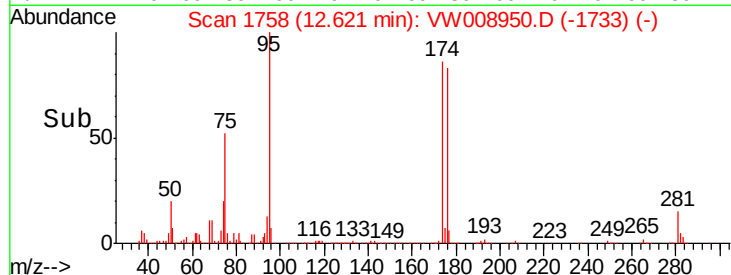
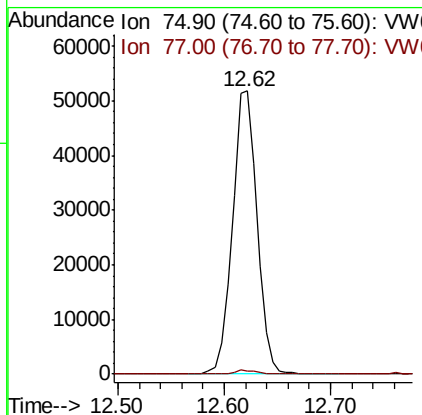
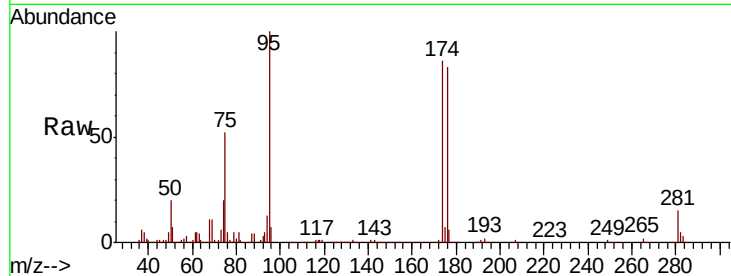
Z-4-A-BRE

Tgt Ion: 75 Resp: 83747

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 177.026 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008950.D

Acq: 02 Mar 2019 05:33

Tgt Ion: 75 Resp: 83747

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.0 39.5 59.3#

