

Data File : VW008773.D
Acq On : 21 Feb 2019 16:50
Operator : SY/VA
Sample : K1344-03RE
Misc : 7.25G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
NB-08-022019-B

Quant Time: Feb 22 00:47:43 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	376235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	576024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	496146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217206	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	206345	58.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.96%	
35) Dibromofluoromethane	7.88	113	176040	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	10.32	98	679477	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.62	95	224941	43.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.06%	

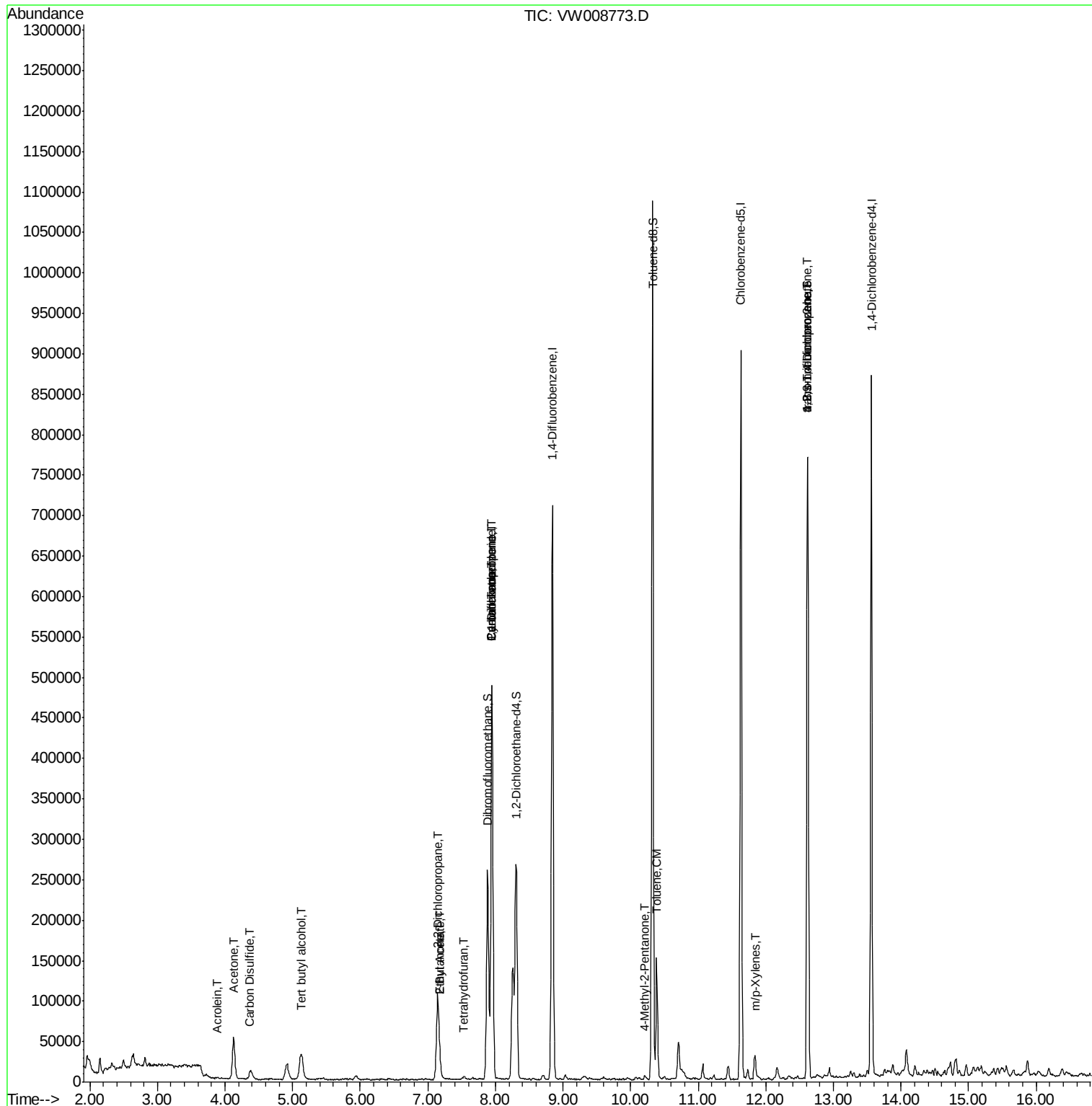
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.13	59	31302	99.639	ug/l #	72
13) Acrolein	3.89	56	637	21.550	ug/l #	14
16) Acetone	4.13	43	88431	108.115	ug/l	99
17) Carbon Disulfide	4.37	76	17618	1.612	ug/l #	94
20) Methylene Chloride	4.91	84	14816	Below Cal		83
25) 2-Butanone	7.18	43	18049	15.784	ug/l	91
26) 2,2-Dichloropropane	7.15	77	7530	1.262	ug/l #	54
29) Tetrahydrofuran	7.53	42	2683	3.682	ug/l	99
31) Cyclohexane	7.95	56	8360	1.257	ug/l #	27
36) 1,1-Dichloropropene	7.94	75	29522	5.265	ug/l #	49
37) Ethyl Acetate	7.18	43	18049	6.922	ug/l #	70
38) Carbon Tetrachloride	7.95	117	35730	6.042	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	4223	1.598	ug/l	93
52) Toluene	10.38	92	61988	5.966	ug/l	99
68) m/p-Xylenes	11.84	106	8927	1.198	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	117754	65.662	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	117754	159.630	ug/l #	6

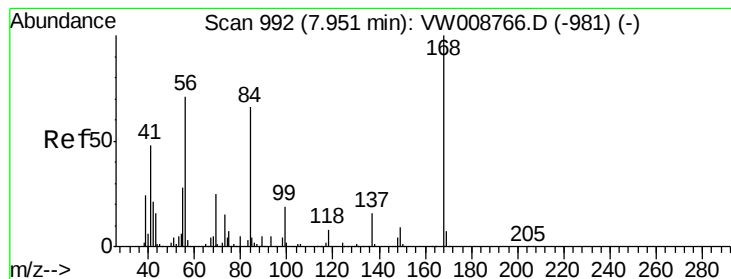
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008773.D

Acq: 21 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

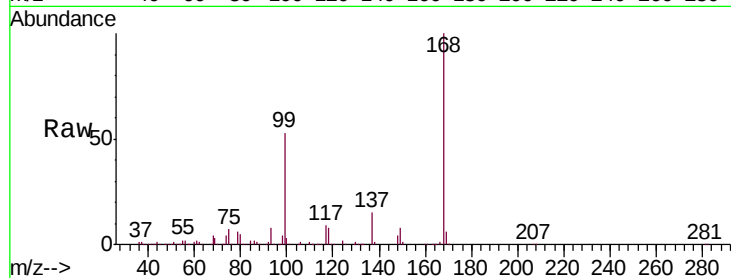
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Tgt Ion:168 Resp: 376235

Ion Ratio Lower Upper

168 100

99 53.1 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

200000

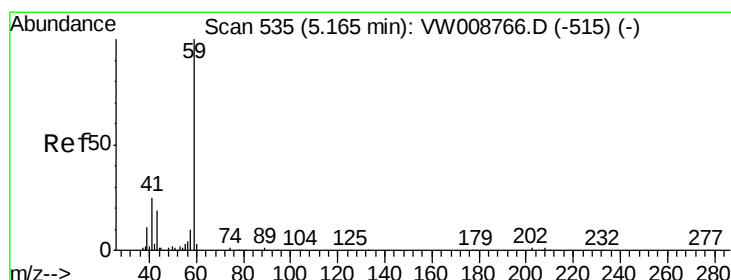
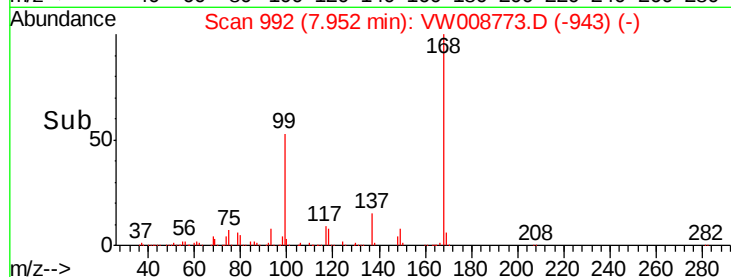
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 99.639 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW008773.D

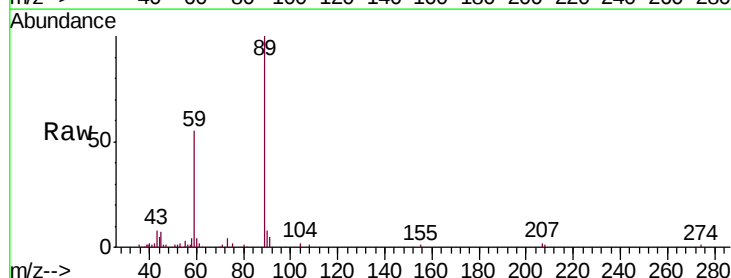
Acq: 21 Feb 2019 16:50

Tgt Ion: 59 Resp: 31302

Ion Ratio Lower Upper

59 100

57 0.8 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

8000

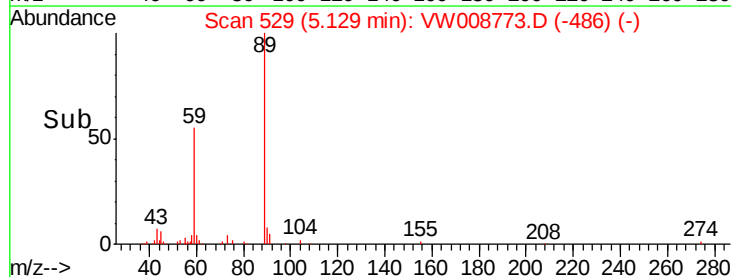
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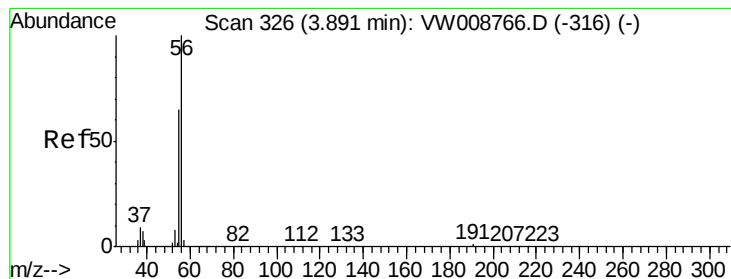
4000

2000

0

Time-->





#13

Acrolein

Concen: 21.550 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008773.D

Acq: 21 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

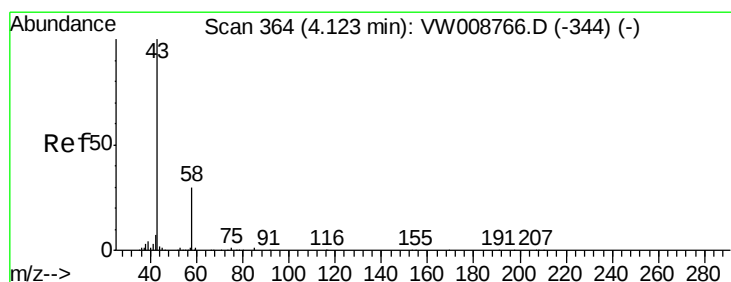
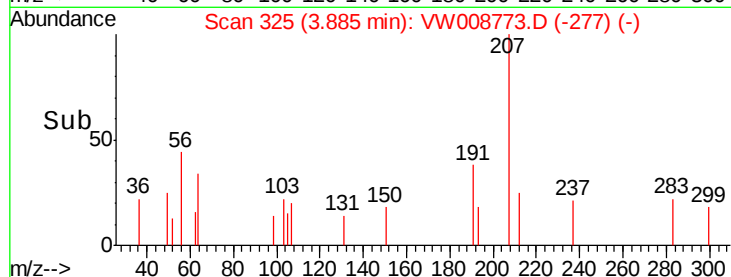
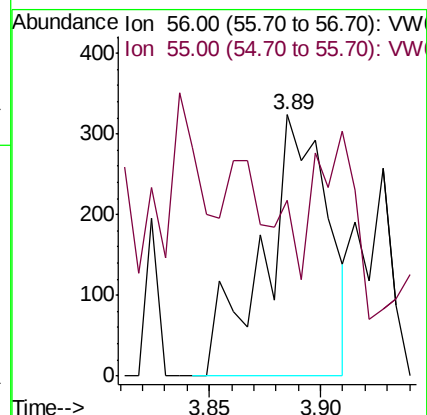
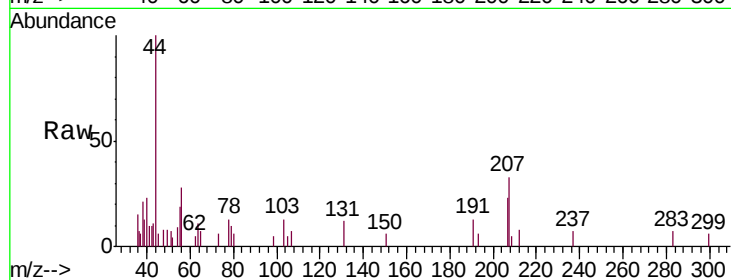
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Tgt Ion: 56 Resp: 637

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 108.115 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008773.D

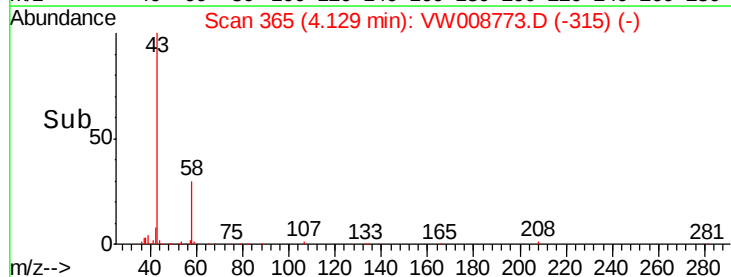
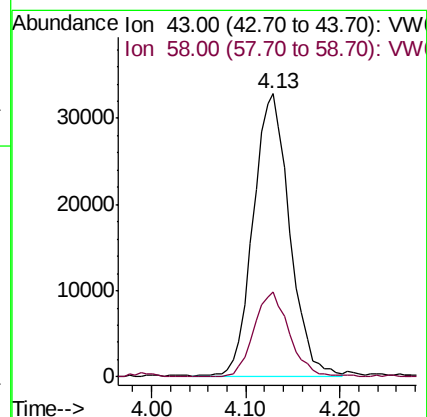
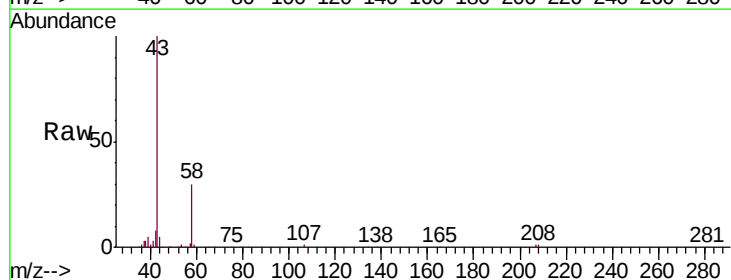
Acq: 21 Feb 2019 16:50

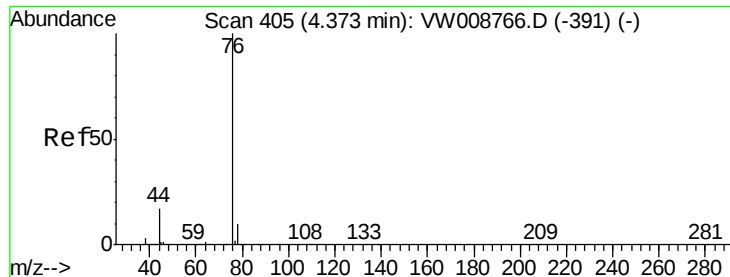
Tgt Ion: 43 Resp: 88431

Ion Ratio Lower Upper

43 100

58 30.1 23.8 35.6

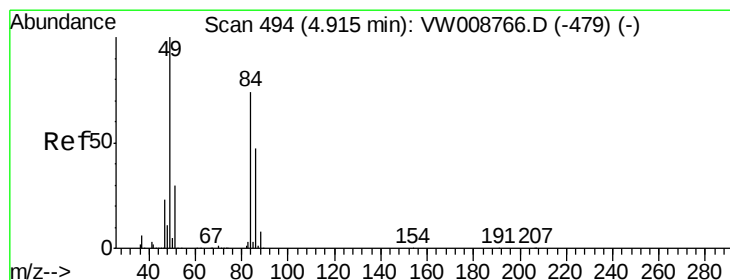
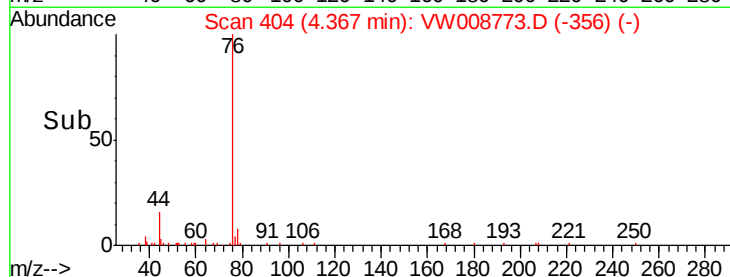
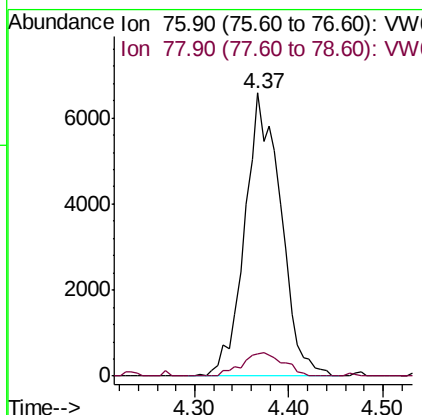
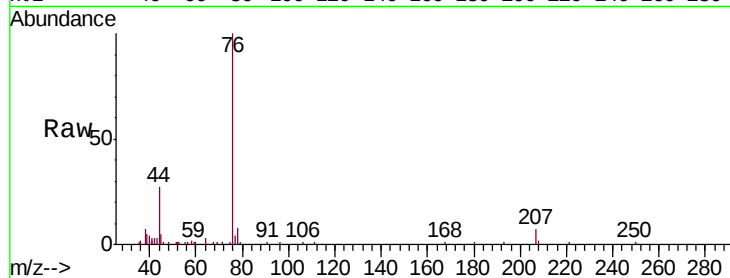




#17
Carbon Disulfide
Concen: 1.612 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008773.D
Acq: 21 Feb 2019 16:50

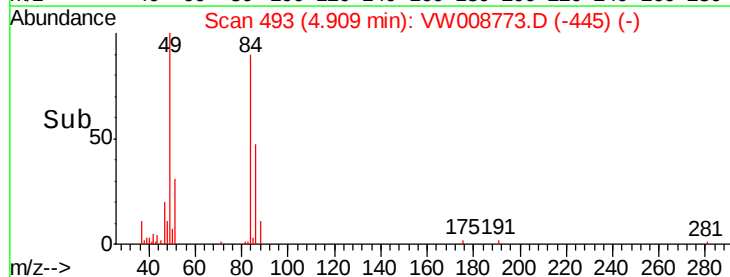
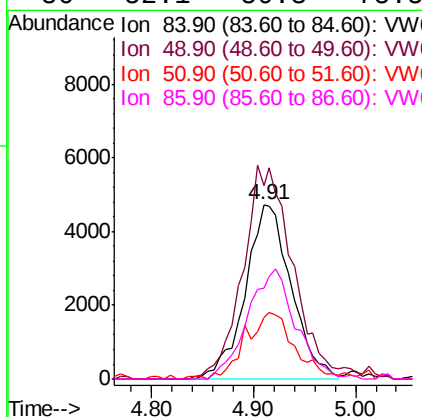
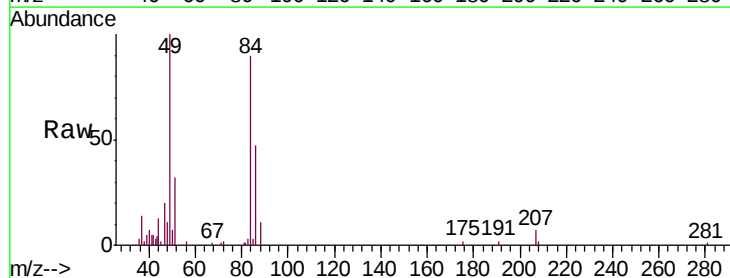
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MSVOA_W
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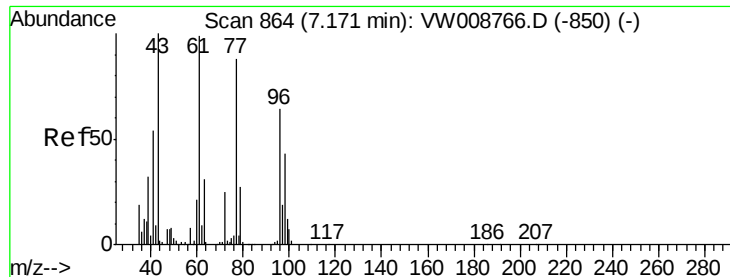
Tgt Ion: 76 Resp: 17618
Ion Ratio Lower Upper
76 100
78 7.7 7.8 11.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008773.D
Acq: 21 Feb 2019 16:50

Tgt Ion: 84 Resp: 14816
Ion Ratio Lower Upper
84 100
49 110.7 108.2 162.2
51 33.7 32.7 49.1
86 52.1 50.3 75.5





#25

2-Butanone

Concen: 15.784 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008773.D

Acq: 21 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

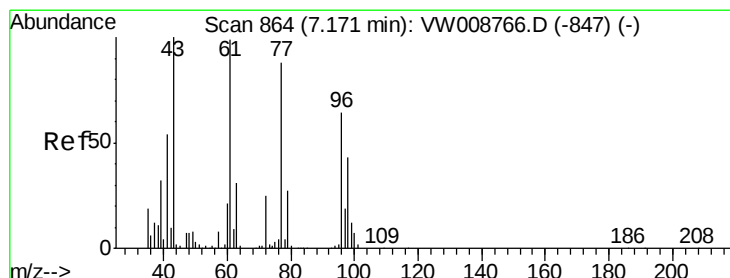
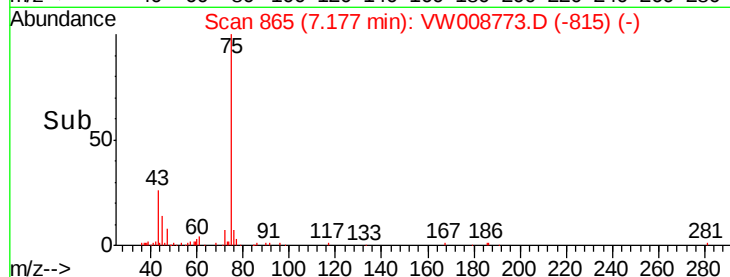
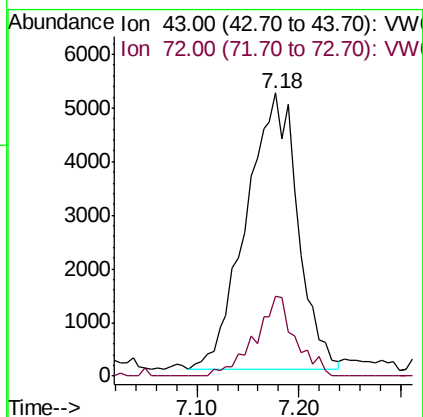
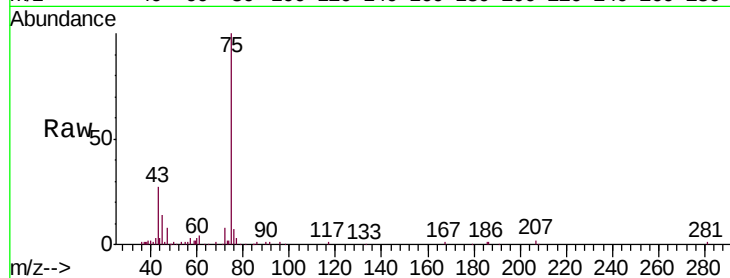
NB-08-022019-B

Tgt Ion: 43 Resp: 18049

Ion Ratio Lower Upper

43 100

72 28.8 19.7 29.5



#26

2,2-Dichloropropane

Concen: 1.262 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008773.D

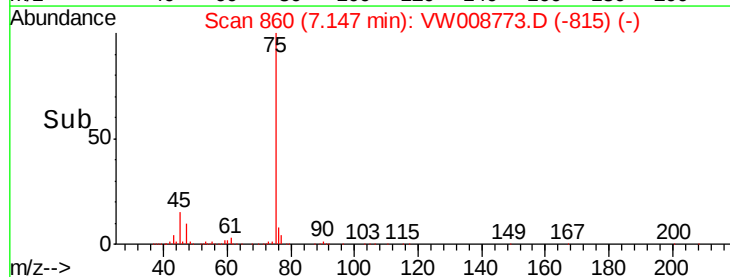
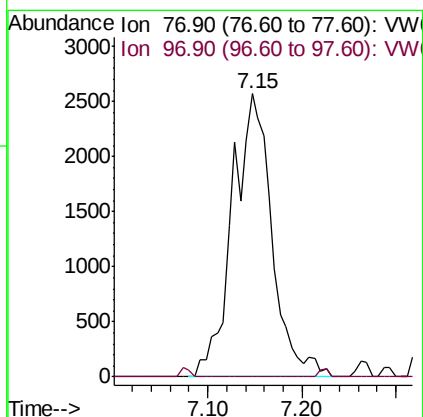
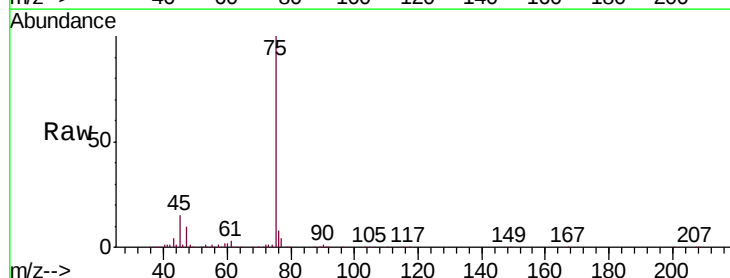
Acq: 21 Feb 2019 16:50

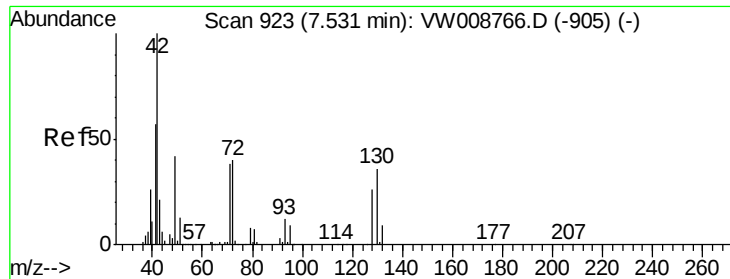
Tgt Ion: 77 Resp: 7530

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#

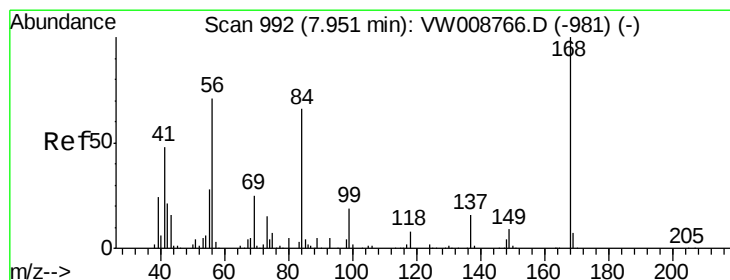
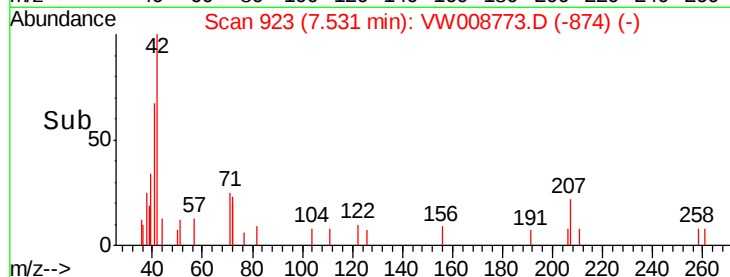
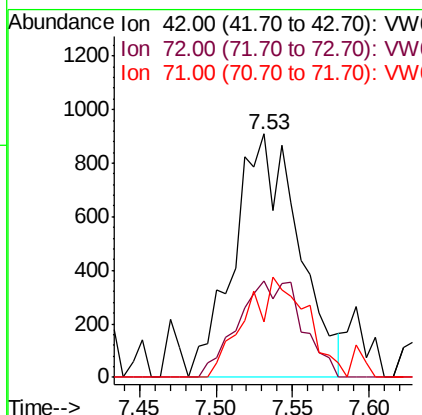
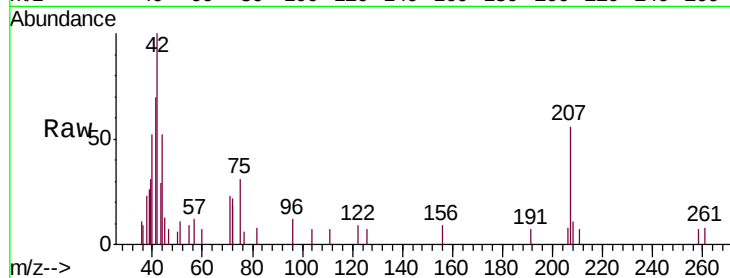




#29
Tetrahydrofuran
Concen: 3.682 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008773.D
Acq: 21 Feb 2019 16:50

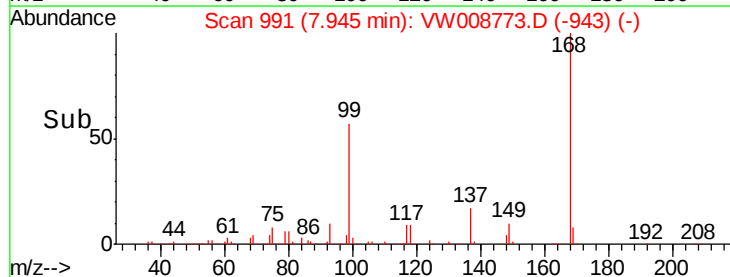
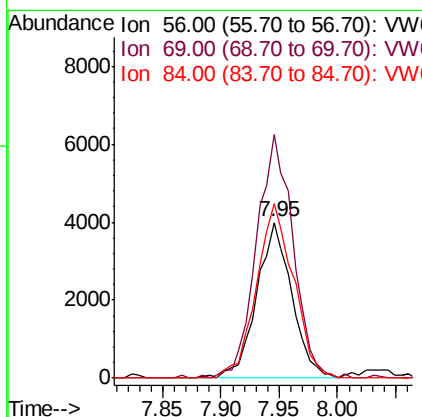
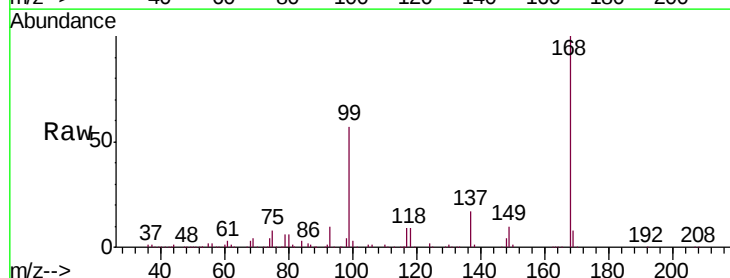
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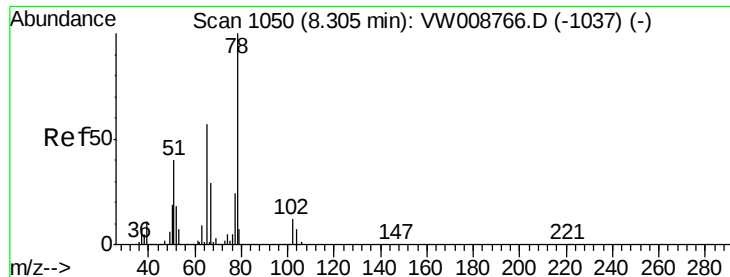
Tgt Ion: 42 Resp: 2683
Ion Ratio Lower Upper
42 100
72 39.4 32.7 49.1
71 38.9 31.3 46.9



#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008773.D
Acq: 21 Feb 2019 16:50

Tgt Ion: 56 Resp: 8360
Ion Ratio Lower Upper
56 100
69 156.8 28.2 42.4#
84 112.5 74.1 111.1#

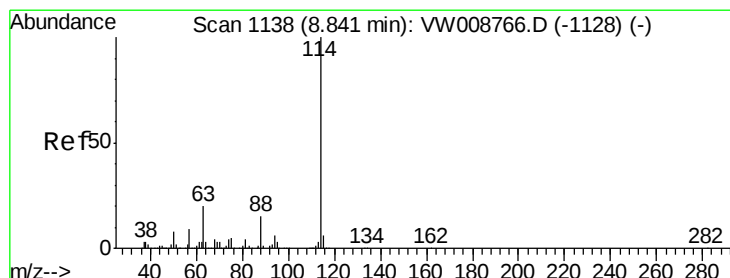
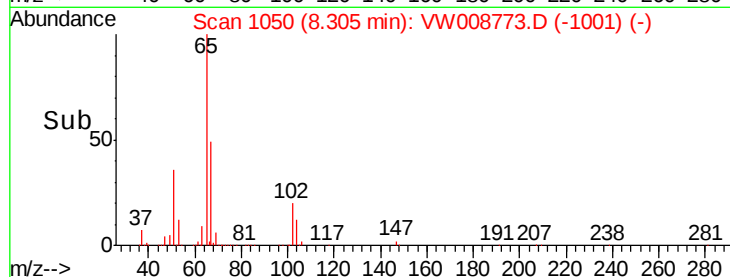
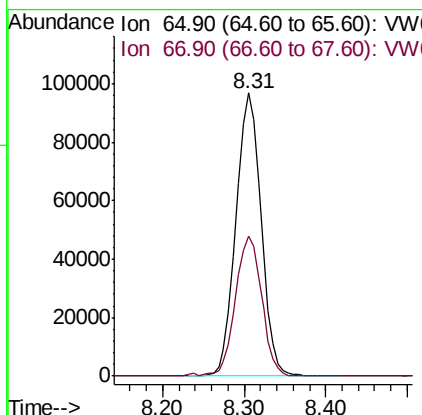
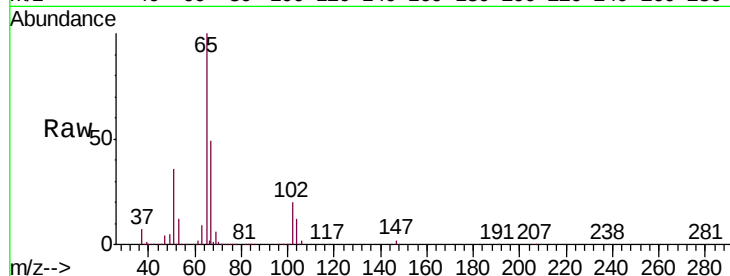




#33
 1,2-Dichloroethane-d4
 Concen: 58.475 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008773.D
 Acq: 21 Feb 2019 16:50

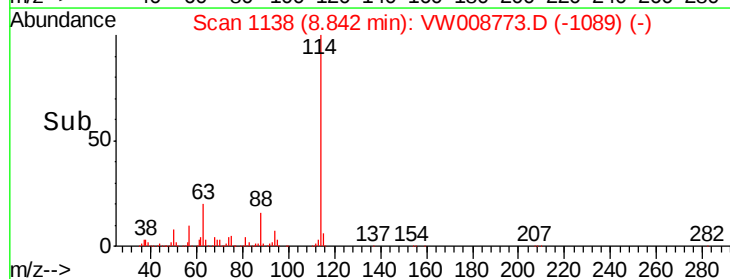
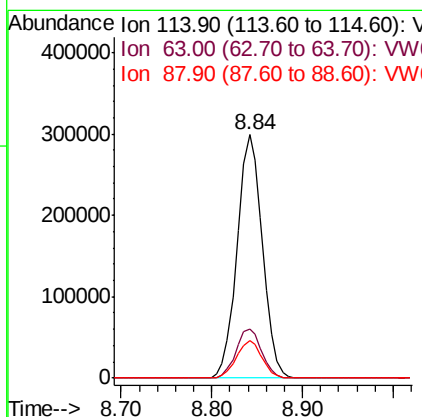
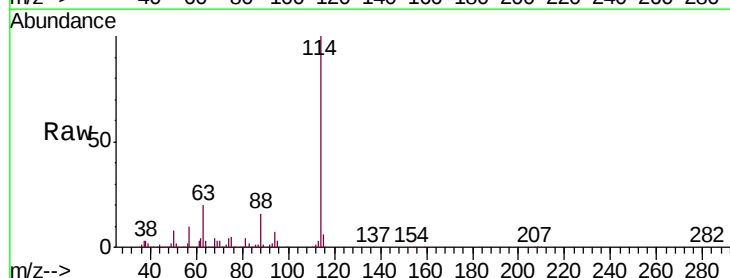
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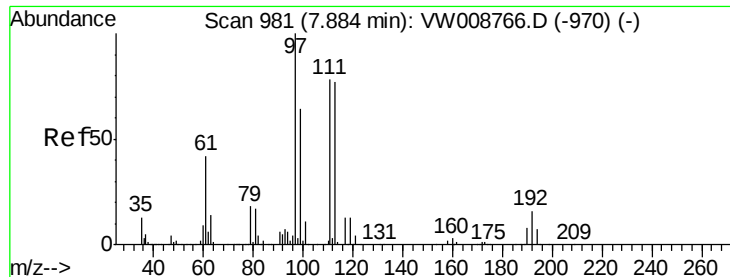
Tgt Ion: 65 Resp: 206345
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008773.D
 Acq: 21 Feb 2019 16:50

Tgt Ion: 114 Resp: 576024
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 15.7 0.0 30.4

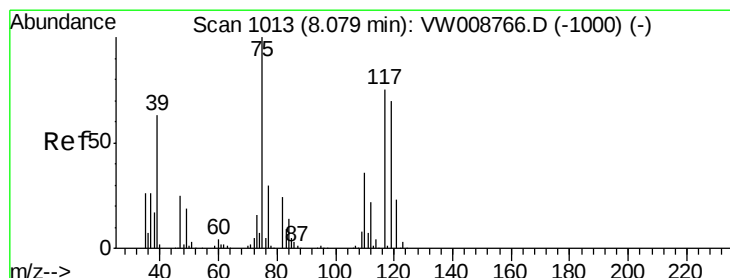
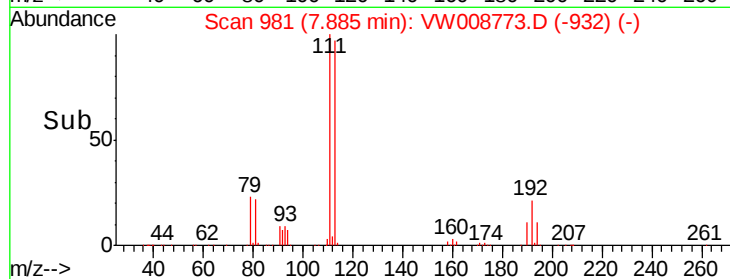
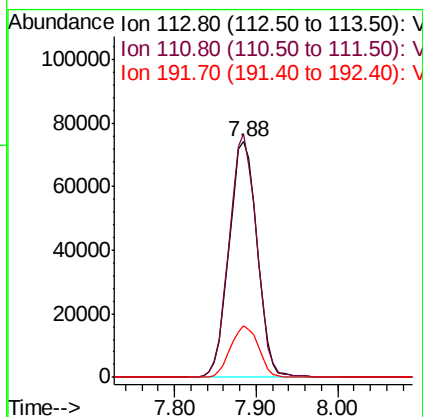
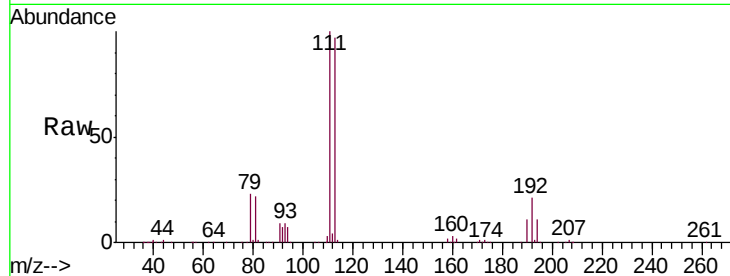




#35
 Dibromofluoromethane
 Concen: 50.901 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008773.D
 Acq: 21 Feb 2019 16:50

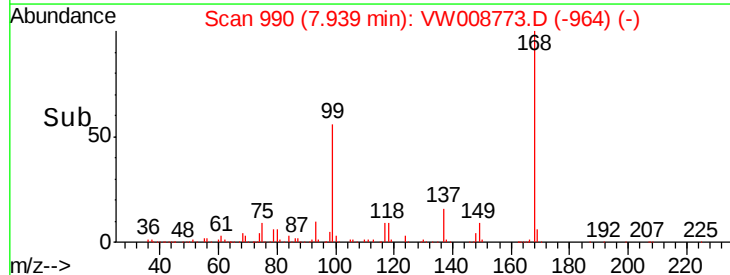
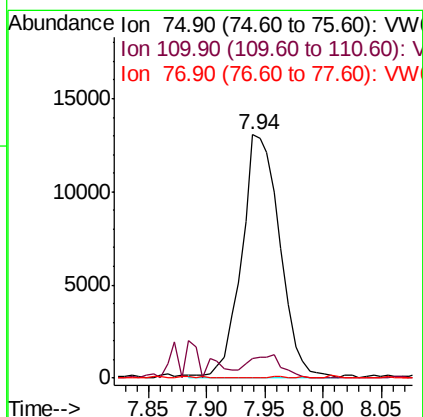
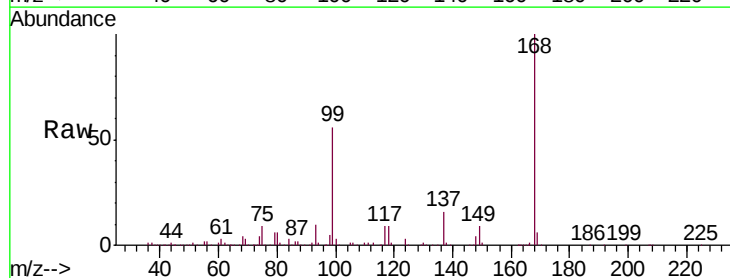
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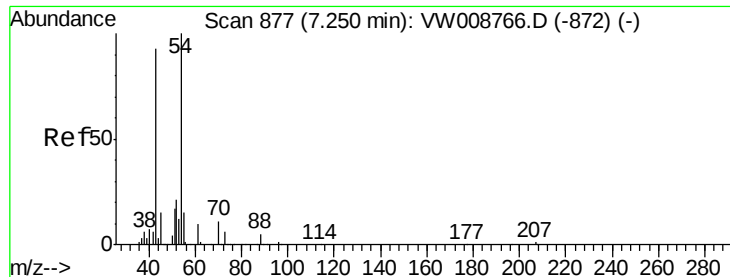
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.9	122.9
192	21.7	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 5.265 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008773.D
 Acq: 21 Feb 2019 16:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.5	52.6#
77	0.2	24.5	36.7#





#37

Ethyl Acetate

Concen: 6.922 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW008773.D

Acq: 21 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

NB-08-022019-B

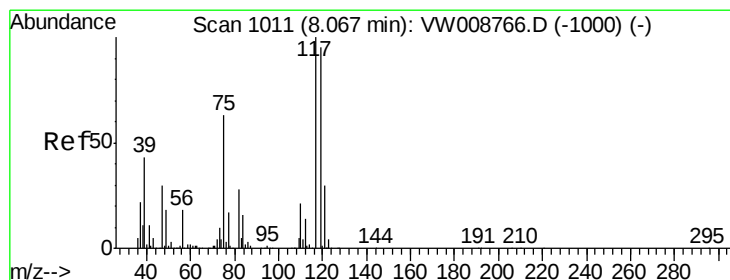
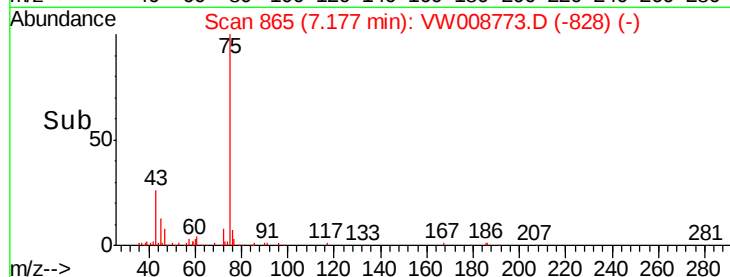
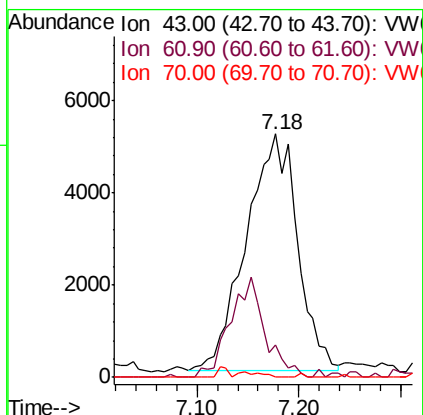
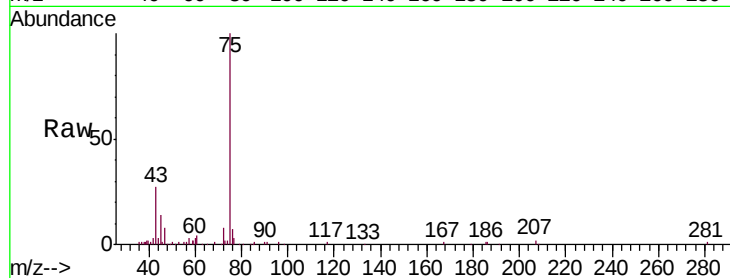
Tgt Ion: 43 Resp: 18049

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 6.042 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008773.D

Acq: 21 Feb 2019 16:50

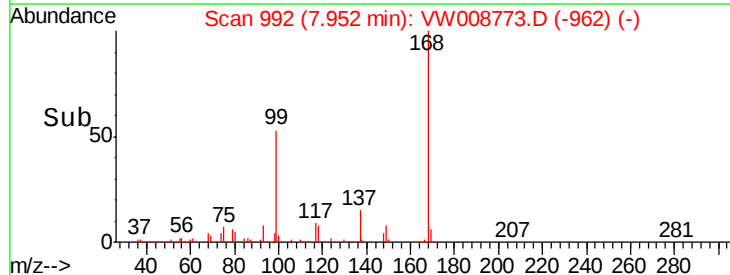
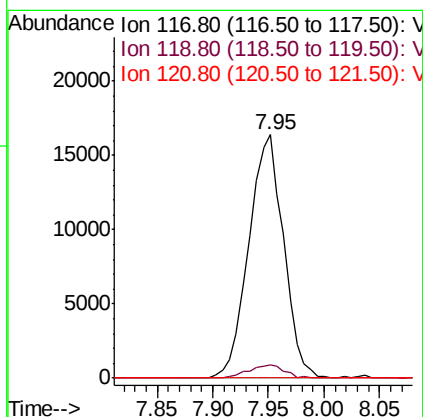
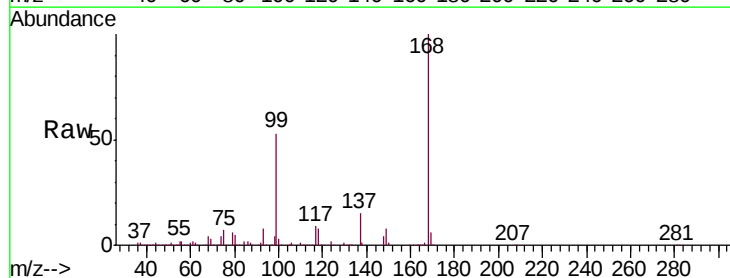
Tgt Ion: 117 Resp: 35730

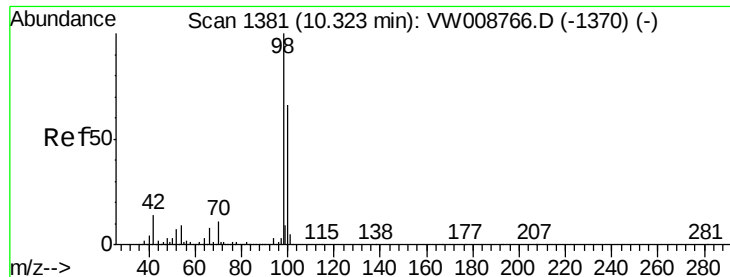
Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 50.894 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008773.D

Acq: 21 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

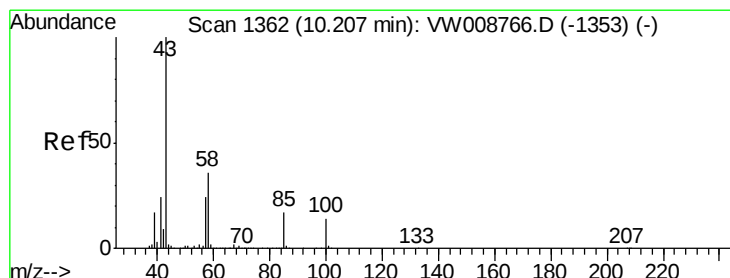
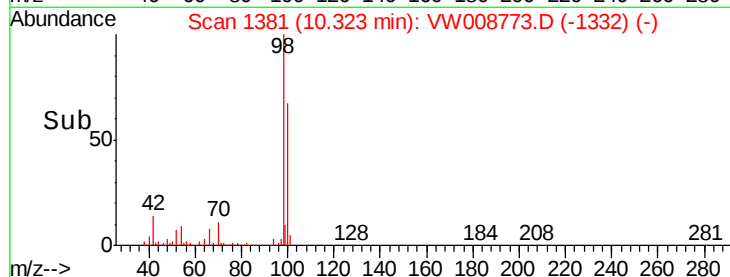
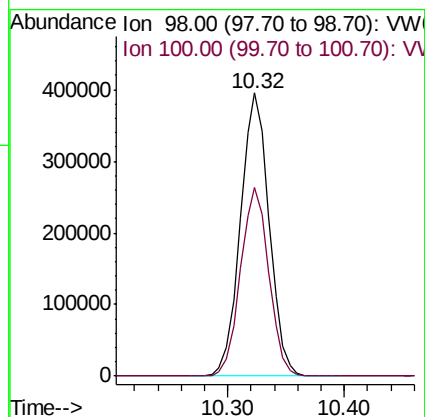
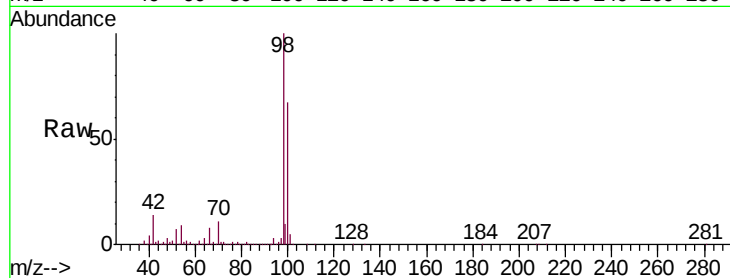
NB-08-022019-B

Tgt Ion: 98 Resp: 679477

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.598 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008773.D

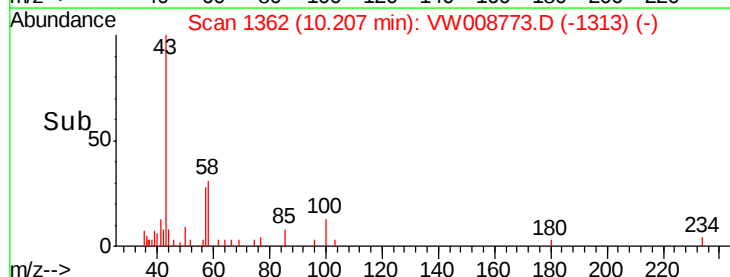
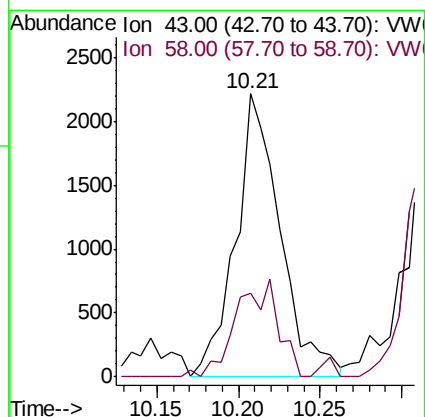
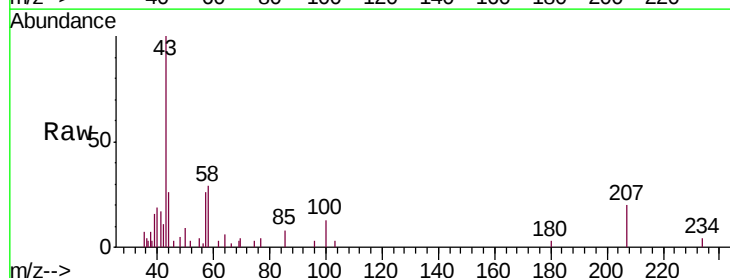
Acq: 21 Feb 2019 16:50

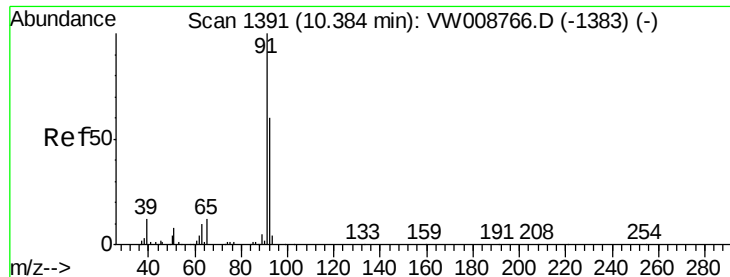
Tgt Ion: 43 Resp: 4223

Ion Ratio Lower Upper

43 100

58 32.3 29.1 43.7





#52

Toluene

Concen: 5.966 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008773.D

Acq: 21 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

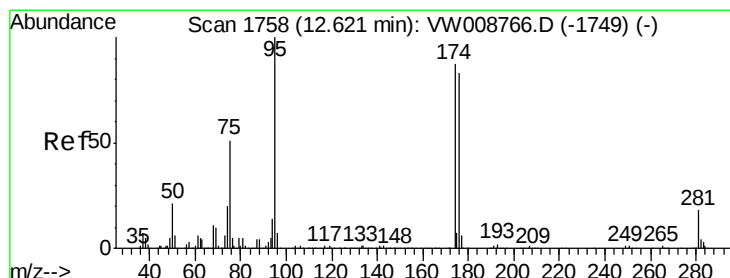
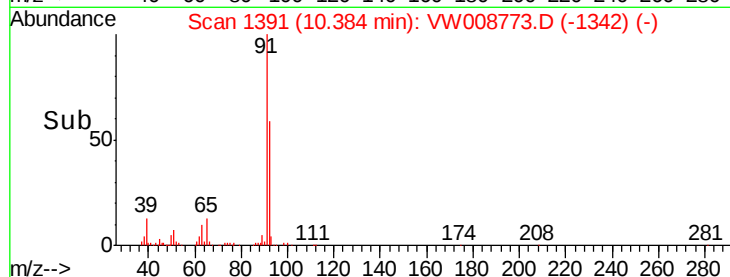
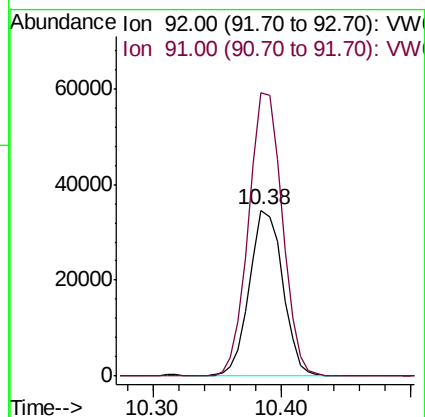
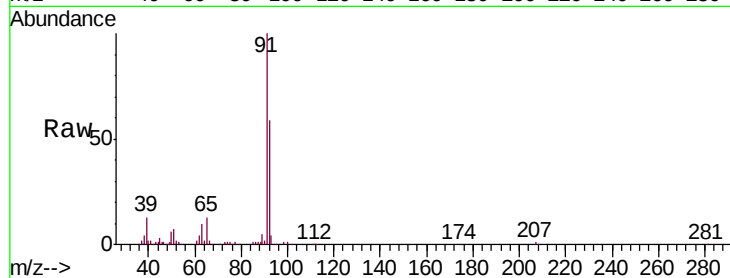
NB-08-022019-B

Tgt Ion: 92 Resp: 61988

Ion Ratio Lower Upper

92 100

91 172.9 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 43.031 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008773.D

Acq: 21 Feb 2019 16:50

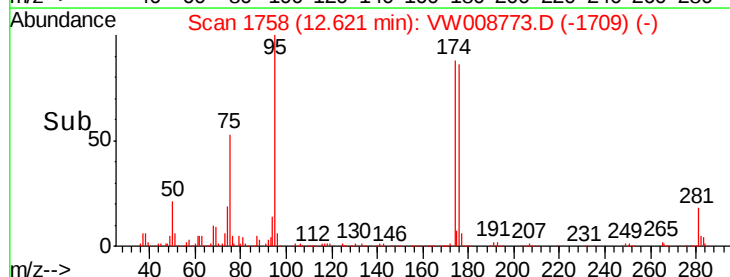
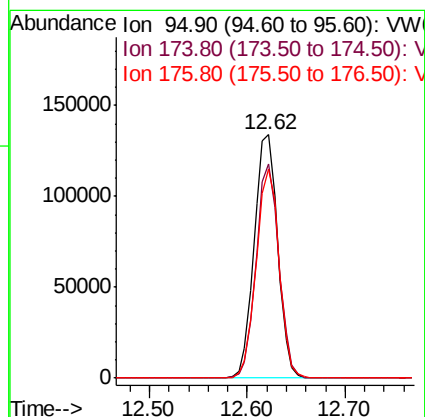
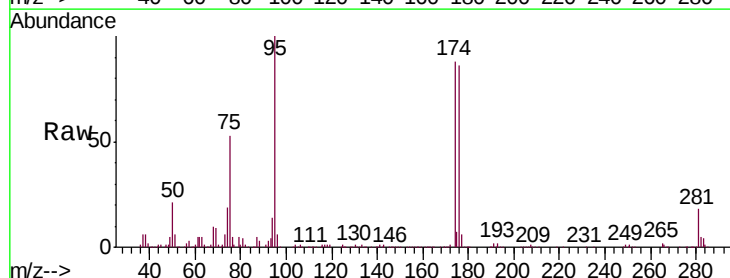
Tgt Ion: 95 Resp: 224941

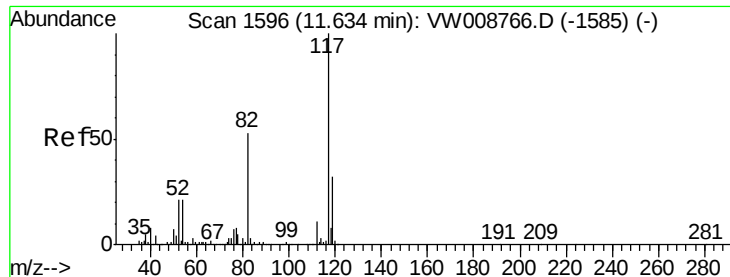
Ion Ratio Lower Upper

95 100

174 85.2 0.0 169.2

176 83.4 0.0 163.6

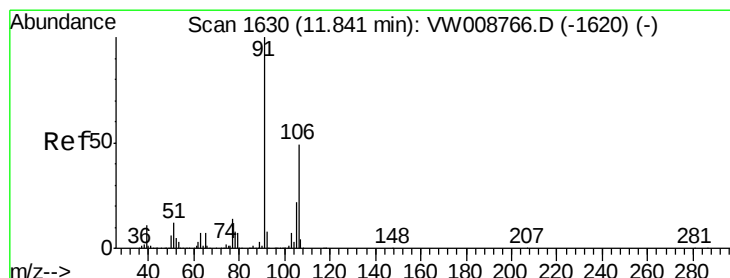
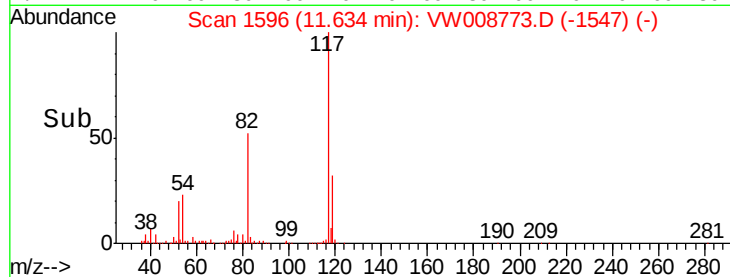
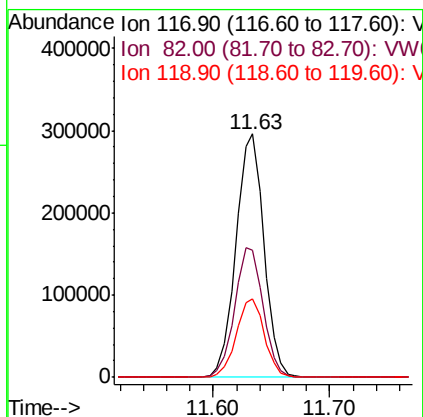
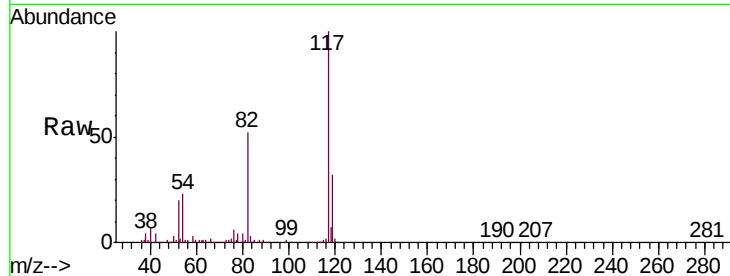




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008773.D
Acq: 21 Feb 2019 16:50

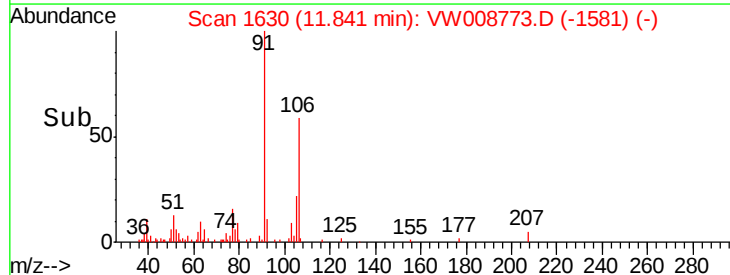
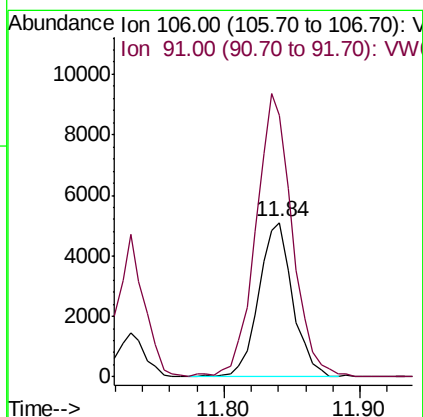
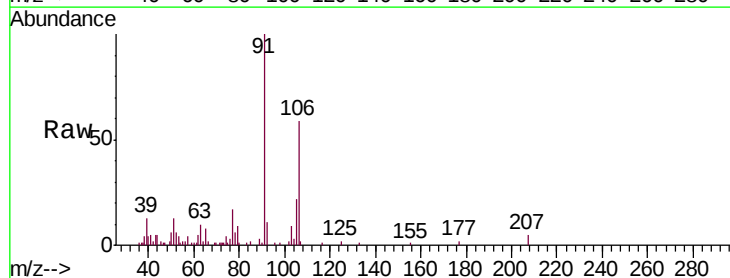
Instrument :
MSVOA_W
ClientSampleId :
NB-08-022019-B

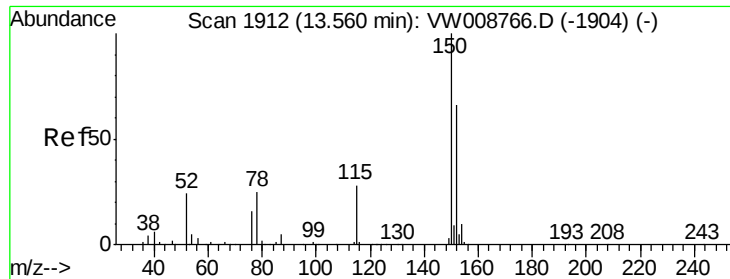
Tgt Ion:117 Resp: 496146
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.4
119 32.4 25.9 38.9



#68
m/p-Xylenes
Concen: 1.198 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008773.D
Acq: 21 Feb 2019 16:50

Tgt Ion:106 Resp: 8927
Ion Ratio Lower Upper
106 100
91 196.0 161.5 242.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008773.D

Acq: 21 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

NB-08-022019-B

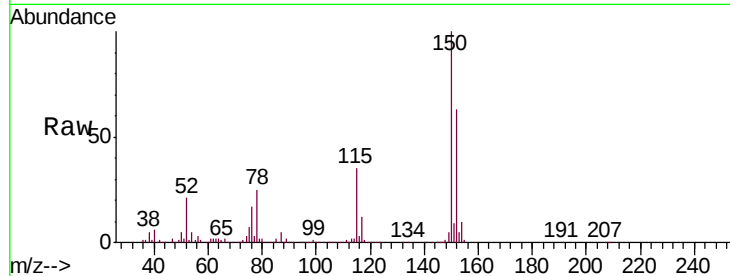
Tgt Ion:152 Resp: 217206

Ion Ratio Lower Upper

152 100

115 57.9 28.6 85.8

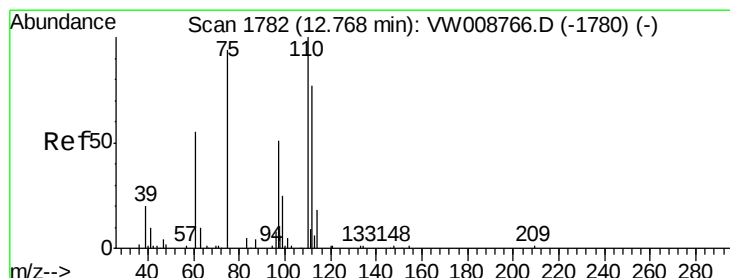
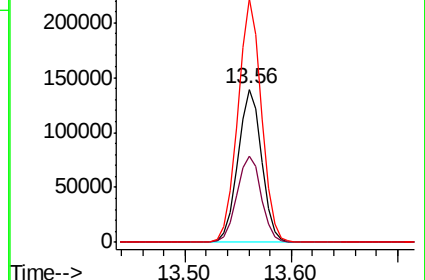
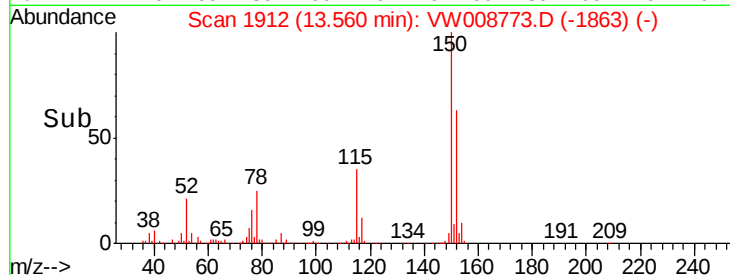
150 158.3 0.0 348.0



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: 65.662 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008773.D

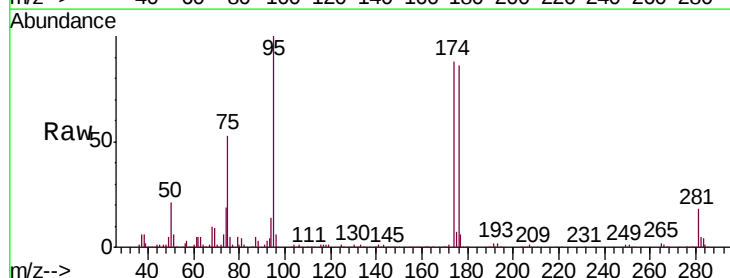
Acq: 21 Feb 2019 16:50

Tgt Ion: 75 Resp: 117754

Ion Ratio Lower Upper

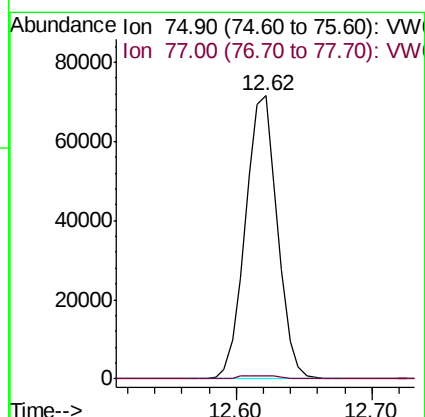
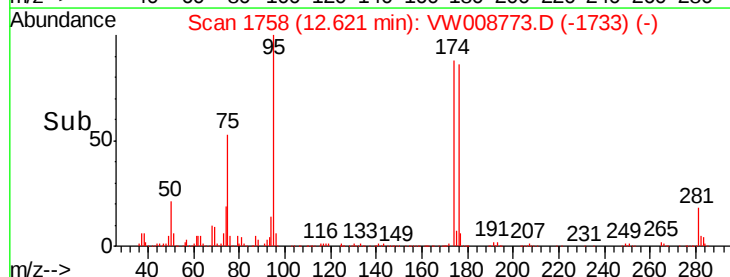
75 100

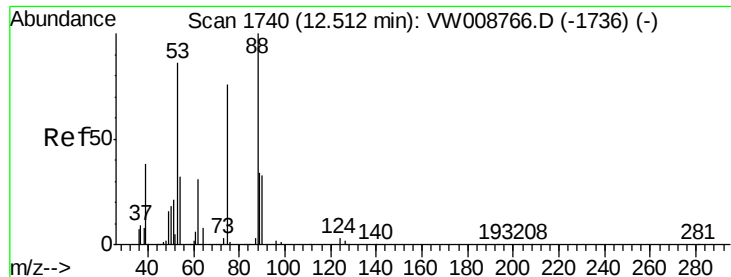
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 159.630 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008773.D

Acq: 21 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

NB-08-022019-B

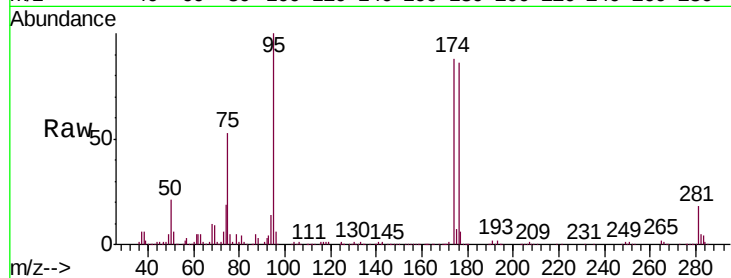
Tgt Ion: 75 Resp: 117754

Ion Ratio Lower Upper

75 100

53 0.2 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

