

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008855.D
 Acq On : 27 Feb 2019 15:28
 Operator : SY/VA
 Sample : K1627-08RE
 Misc : 7.09G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:02:42 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	368749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	563208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	195065	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	199041	57.55	ug/l	0.00
Spiked Amount			Recovery	=	115.10%	
35) Dibromofluoromethane	7.88	113	169981	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
50) Toluene-d8	10.32	98	659875	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.62	95	210414	41.17	ug/l	0.00
Spiked Amount			Recovery	=	82.34%	

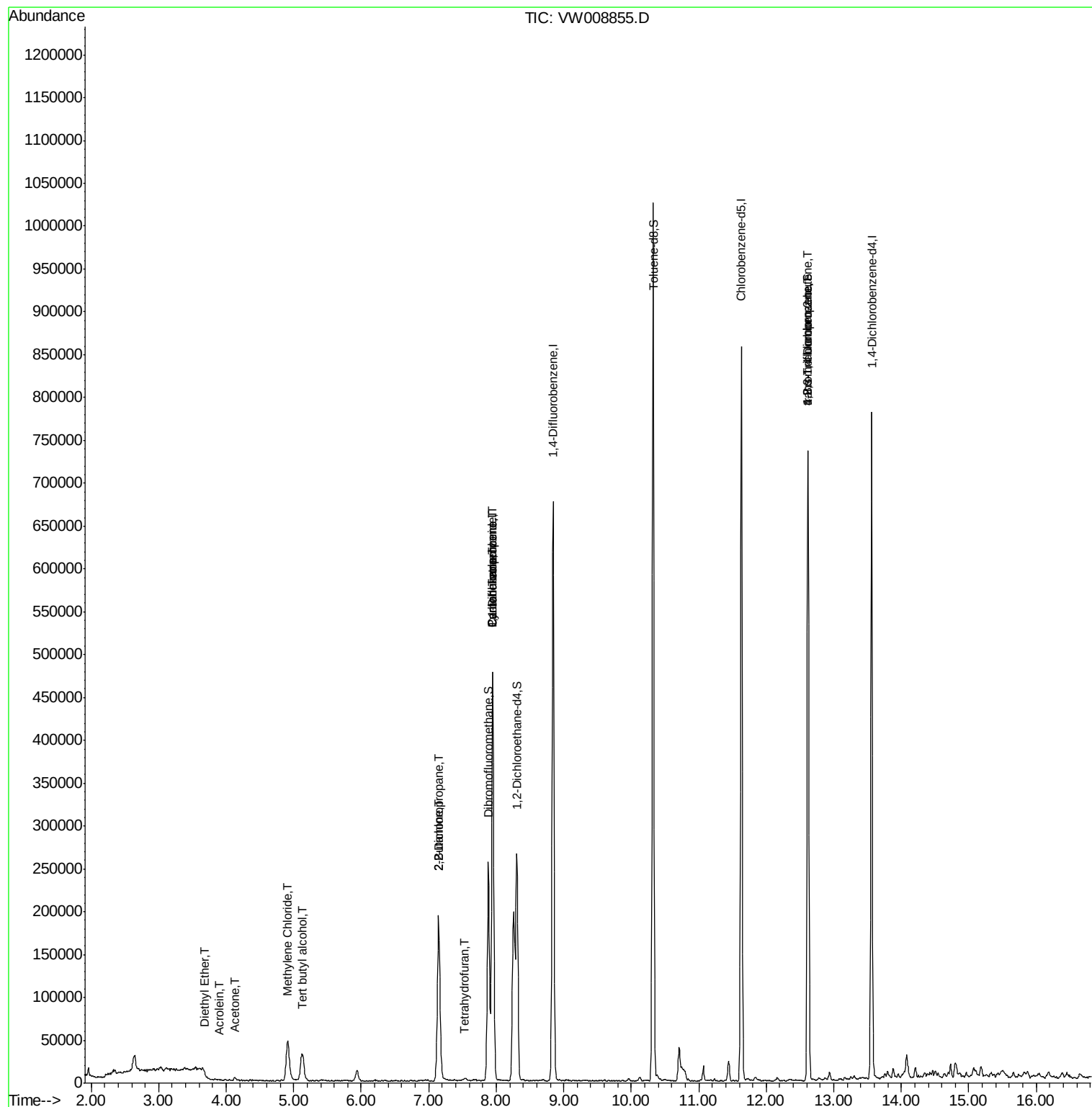
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2240	1.175	ug/l	77
11) Tert butyl alcohol	5.12	59	30273	98.320	ug/l #	74
13) Acrolein	3.89	56	64	19.961	ug/l #	14
16) Acetone	4.13	43	6438	8.031	ug/l #	81
20) Methylene Chloride	4.90	84	35914	4.439	ug/l	90
25) 2-Butanone	7.15	43	10610	9.467	ug/l #	73
26) 2,2-Dichloropropane	7.15	77	12853	2.198	ug/l #	54
29) Tetrahydrofuran	7.54	42	2796	3.915	ug/l #	58
31) Cyclohexane	7.95	56	8393	1.287	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	26925	4.911	ug/l #	51
38) Carbon Tetrachloride	7.95	117	33877	5.859	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	109845	68.205	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	109845	165.811	ug/l #	6

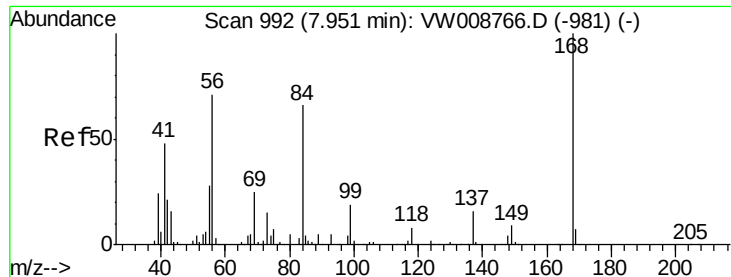
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022719\
Data File : VW008855.D
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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: VW008855.D

Acq: 27 Feb 2019 15:28

Instrument :

MSVOA_W

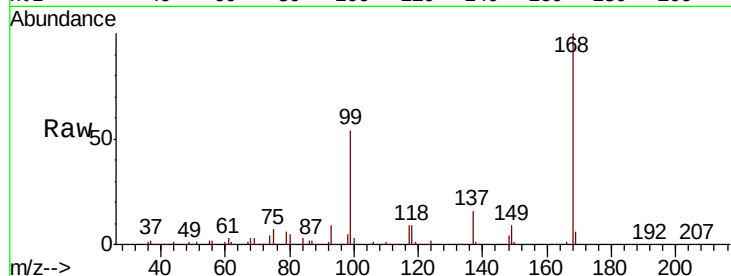
ClientSampleId :

Tot Ion:168 Resp: 368749

Ion Ratio Lower Upper

168 100

99 53.7 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

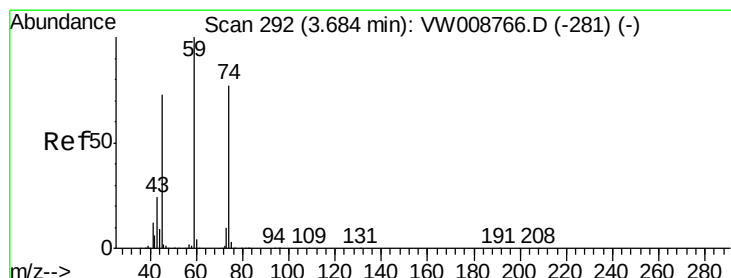
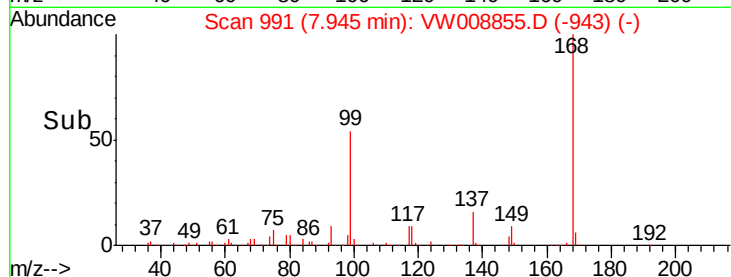
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.175 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW008855.D

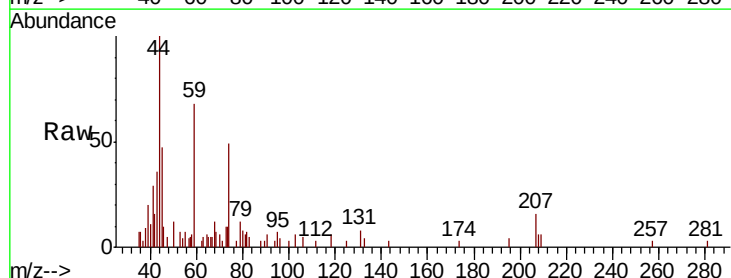
Acq: 27 Feb 2019 15:28

Tgt Ion: 74 Resp: 2240

Ion Ratio Lower Upper

74 100

45 123.8 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

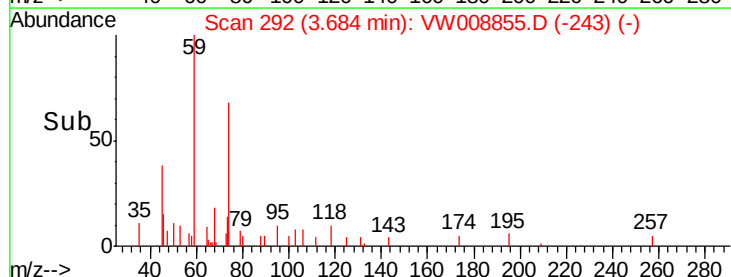
600

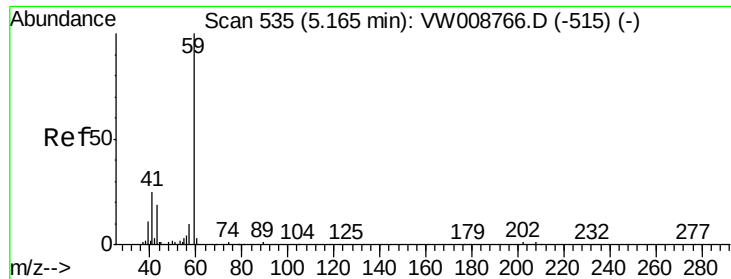
400

200

0

Time-->

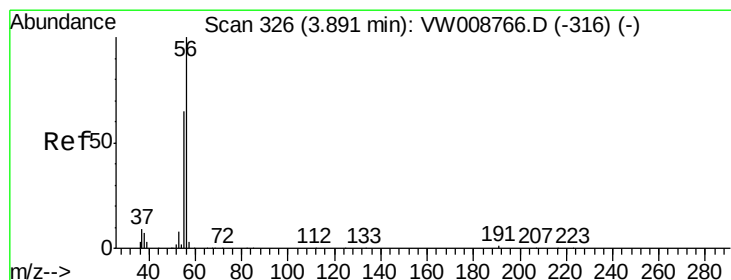
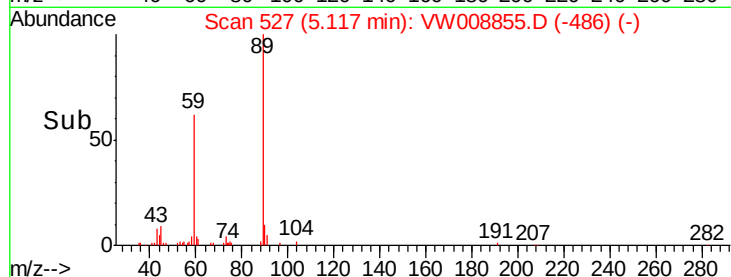
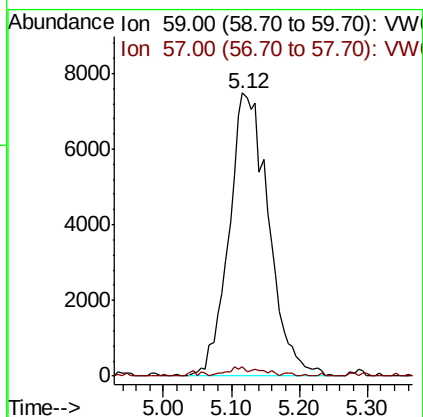
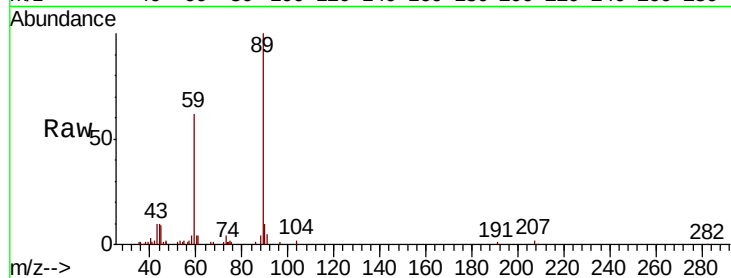




#11
Tert butyl alcohol
Concen: 98.320 ug/l
RT: 5.12 min Scan# 527
Delta R.T. -0.05 min
Lab File: VW008855.D
Acq: 27 Feb 2019 15:28

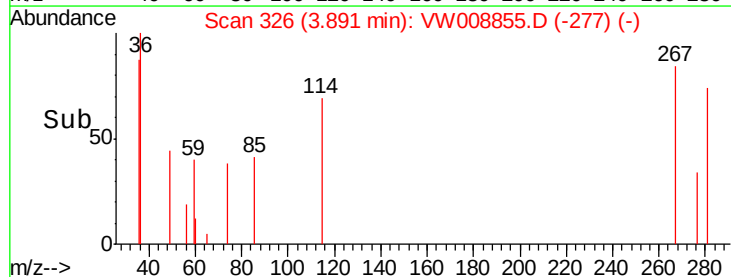
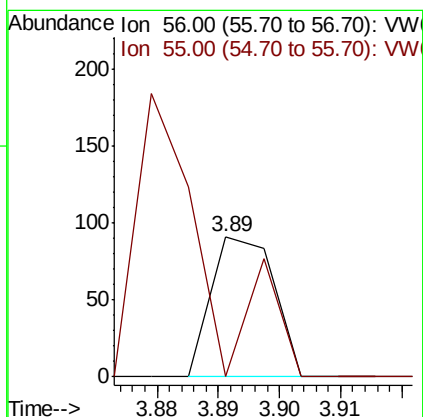
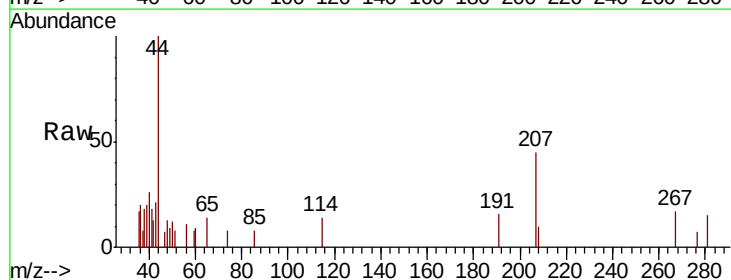
Instrument :
MSVOA_W
ClientSampleId :

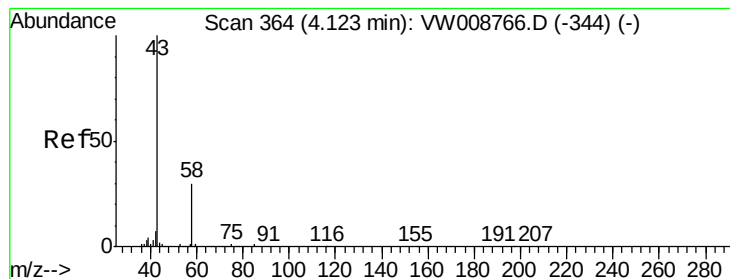
Tot Ion: 59 Resp: 30273
Ion Ratio Lower Upper
59 100
57 1.7 9.3 13.9#



#13
Acrolein
Concen: 19.961 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW008855.D
Acq: 27 Feb 2019 15:28

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#16

Acetone

Concen: 8.031 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008855.D

Acq: 27 Feb 2019 15:28

Instrument :

MSVOA_W

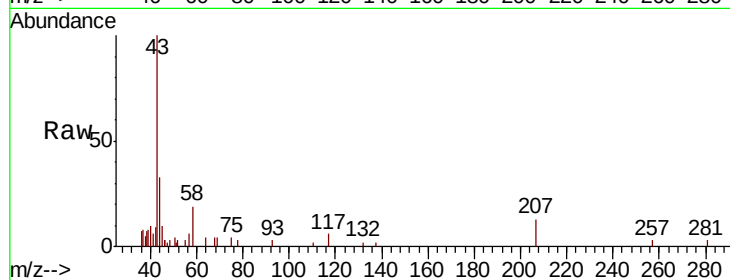
ClientSampleId :

Tot Ion: 43 Resp: 6438

Ion Ratio Lower Upper

43 100

58 19.5 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

2500

2000

1500

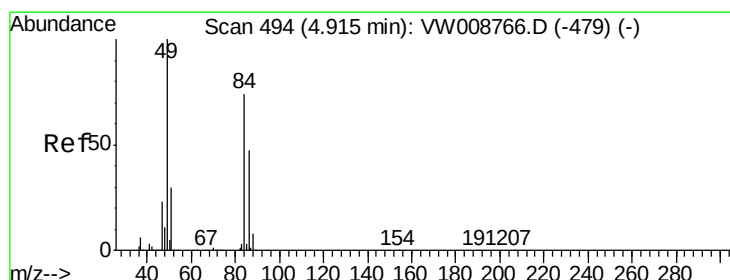
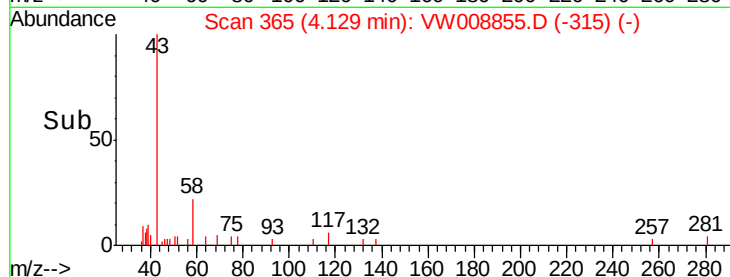
1000

500

0

4.05 4.10 4.15 4.20 4.25

Time-->



#20

Methylene Chloride

Concen: 4.439 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW008855.D

Acq: 27 Feb 2019 15:28

Tgt Ion: 84 Resp: 35914

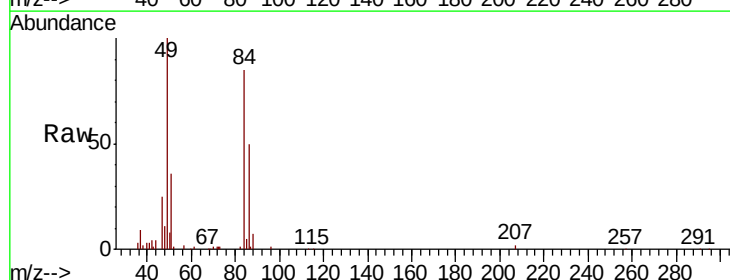
Ion Ratio Lower Upper

84 100

49 116.2 108.2 162.2

51 41.3 32.7 49.1

86 58.9 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

20000

15000

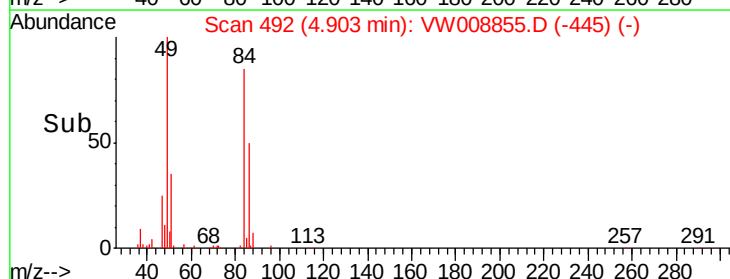
10000

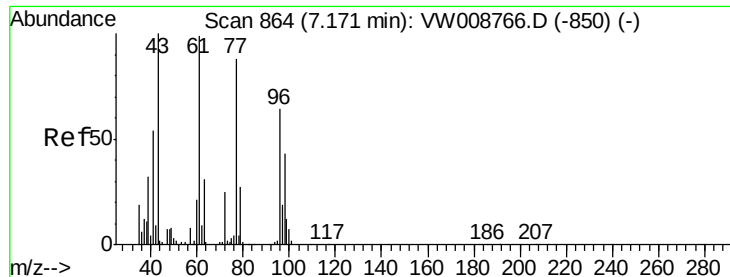
5000

0

4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 9.467 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008855.D

Acq: 27 Feb 2019 15:28

Instrument :

MSVOA_W

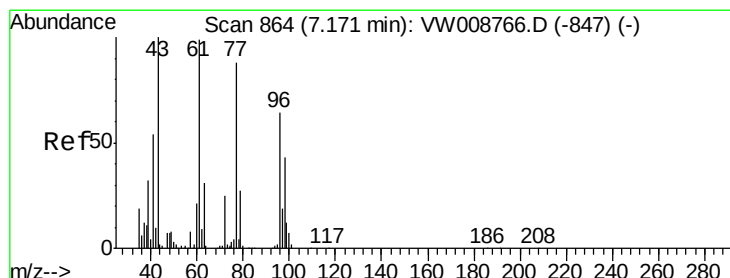
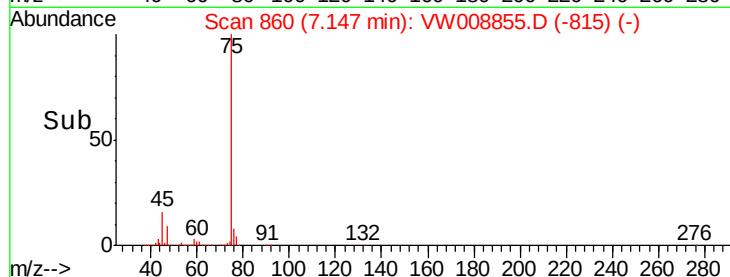
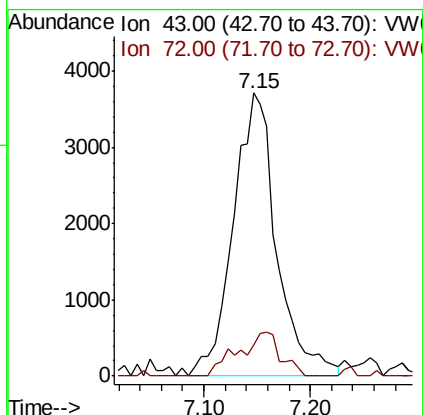
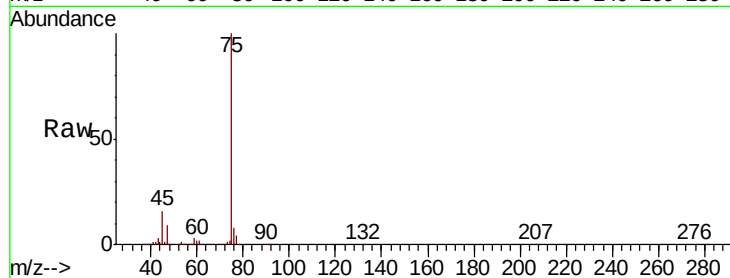
ClientSampleId :

Tot Ion: 43 Resp: 10610

Ion Ratio Lower Upper

43 100

72 11.2 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 2.198 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008855.D

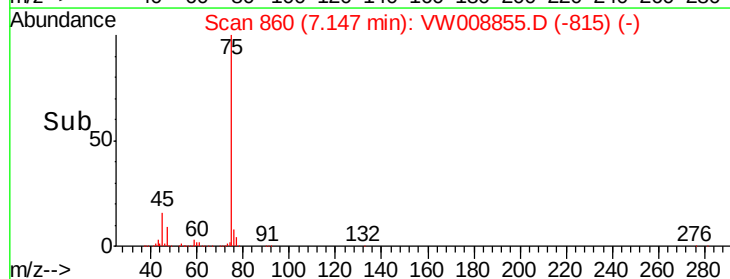
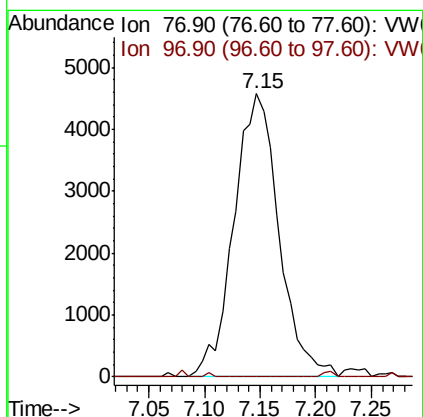
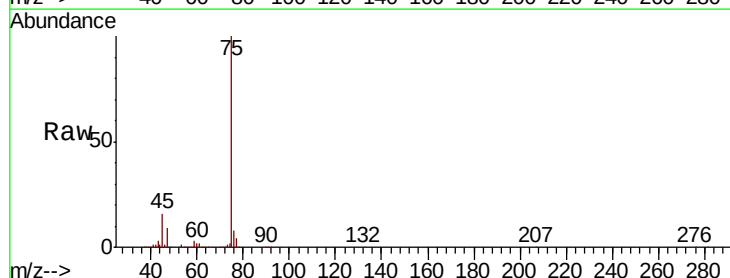
Acq: 27 Feb 2019 15:28

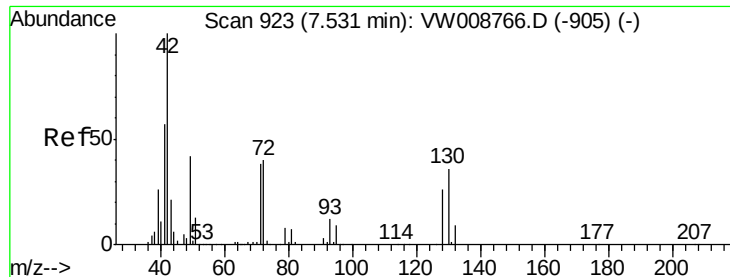
Tgt Ion: 77 Resp: 12853

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#

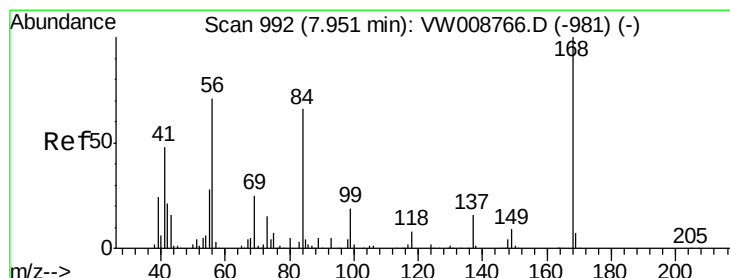
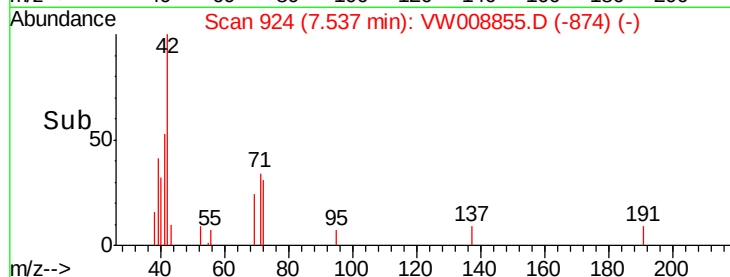
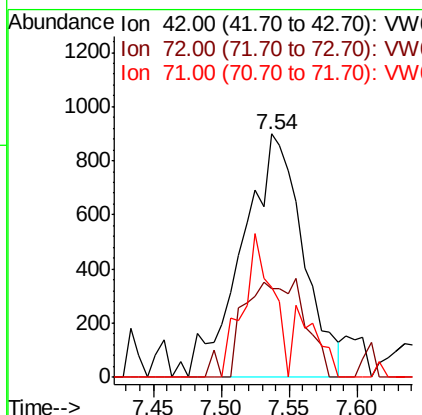
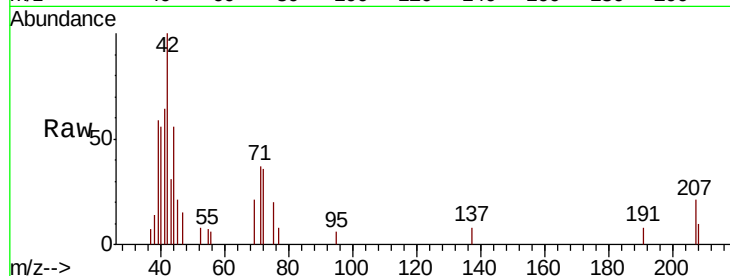




#29
Tetrahydrofuran
Concen: 3.915 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008855.D
Acq: 27 Feb 2019 15:28

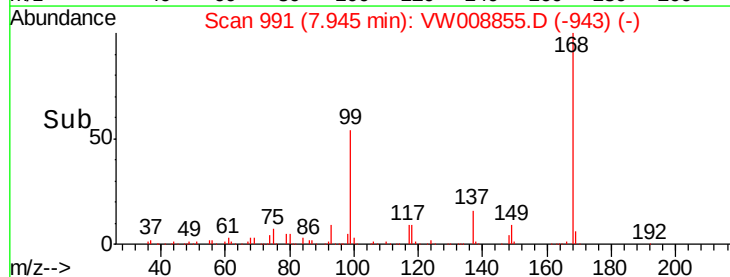
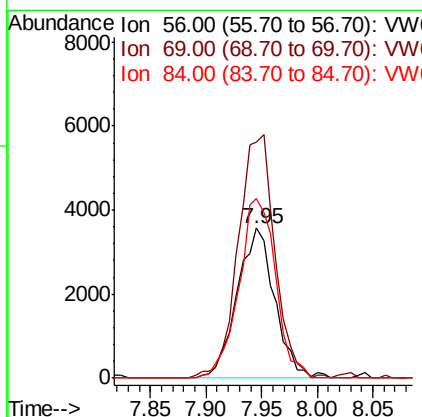
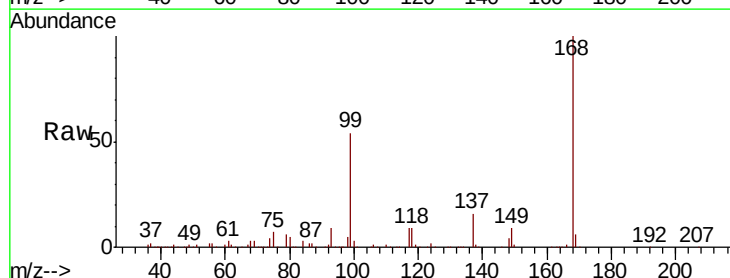
Instrument :
MSVOA_W
ClientSampled :

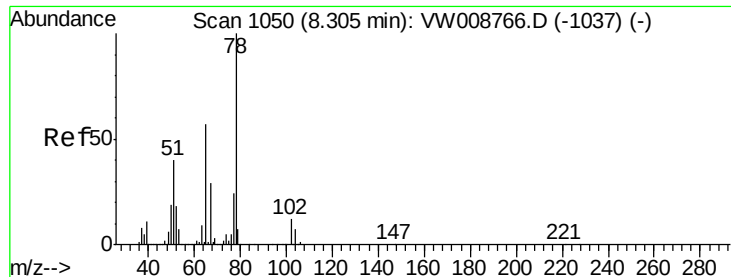
Tot Ion: 42 Resp: 2796
Ion Ratio Lower Upper
42 100
72 0.0 32.7 49.1#
71 28.9 31.3 46.9#



#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008855.D
Acq: 27 Feb 2019 15:28

Tgt Ion: 56 Resp: 8393
Ion Ratio Lower Upper
56 100
69 156.8 28.2 42.4#
84 119.6 74.1 111.1#

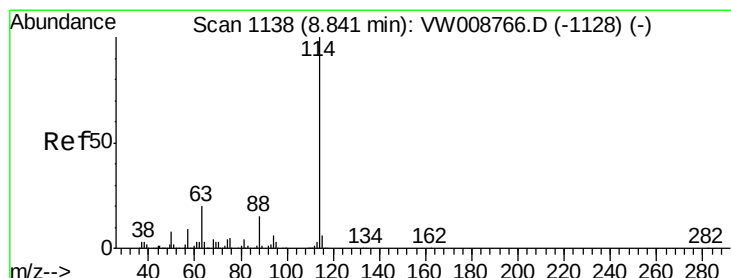
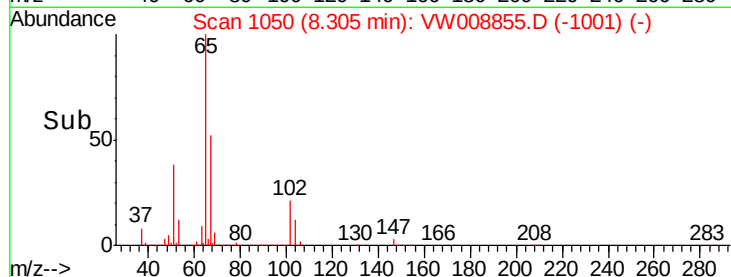
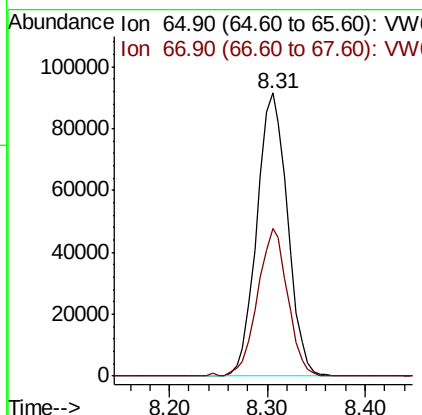
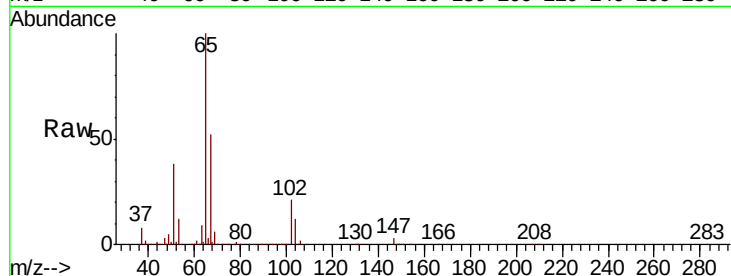




#33
 1,2-Dichloroethane-d4
 Concen: 57.551 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008855.D
 Acq: 27 Feb 2019 15:28

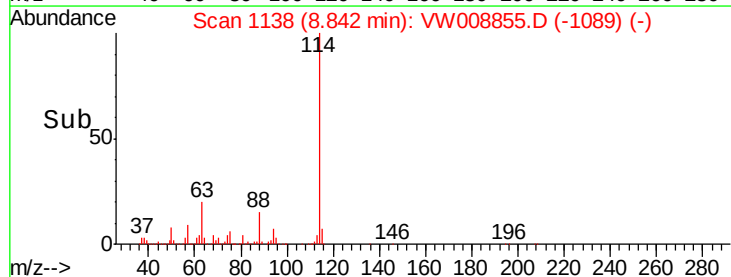
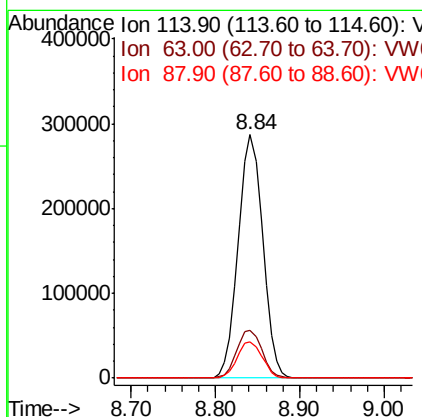
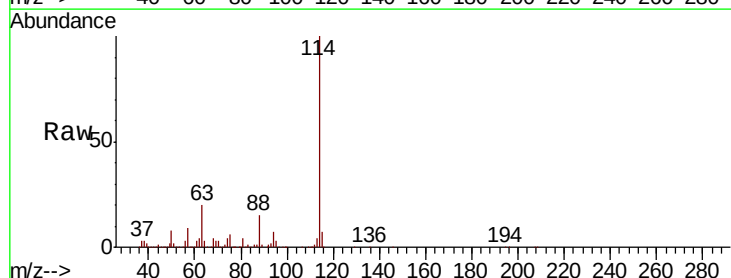
Instrument :
 MSVOA_W
 ClientSampled :

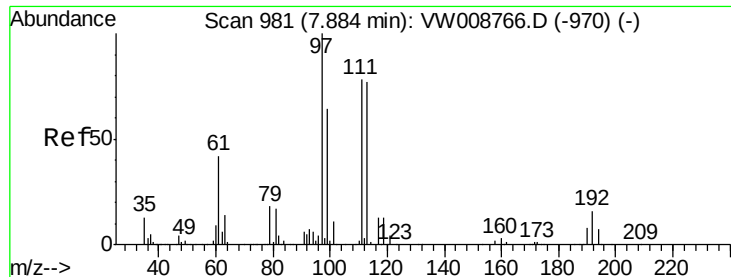
Tot Ion: 65 Resp: 199041
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008855.D
 Acq: 27 Feb 2019 15:28

Tgt Ion: 114 Resp: 563208
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.8
 88 14.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.267 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008855.D

Acq: 27 Feb 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :

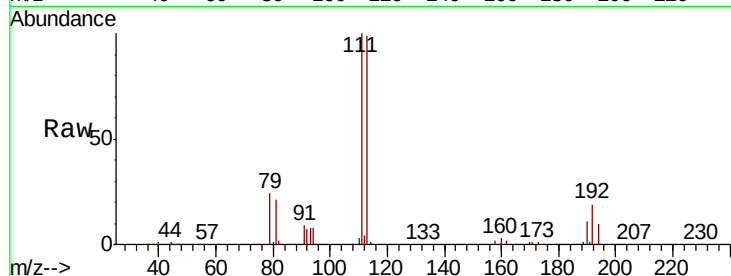
Tot Ion:113 Resp: 169981

Ion Ratio Lower Upper

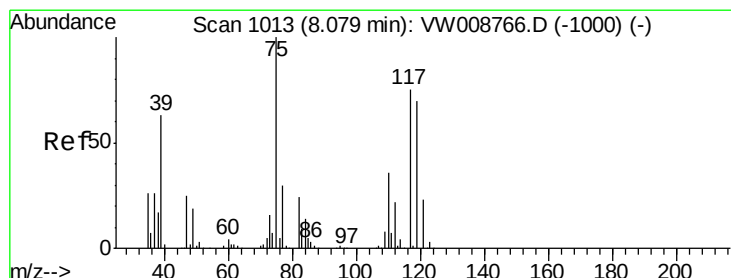
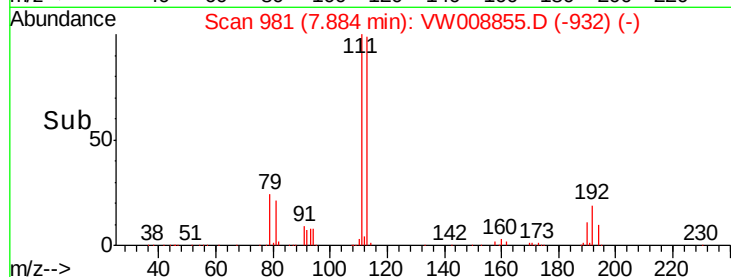
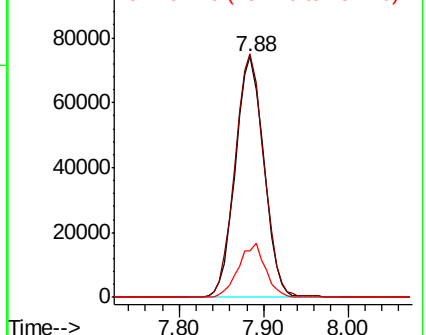
113 100

111 102.4 81.9 122.9

192 21.0 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: 4.911 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008855.D

Acq: 27 Feb 2019 15:28

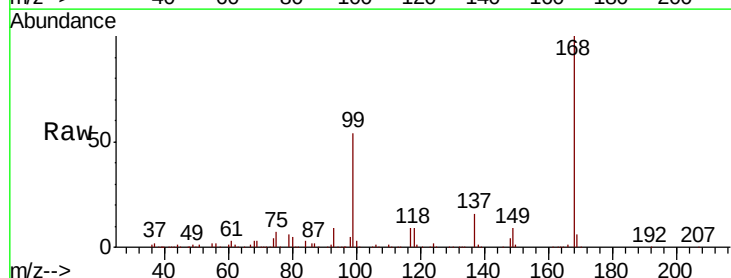
Tgt Ion: 75 Resp: 26925

Ion Ratio Lower Upper

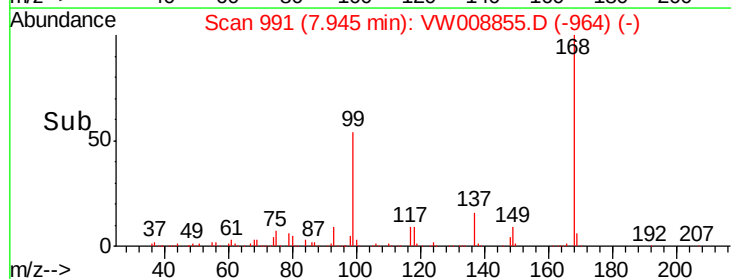
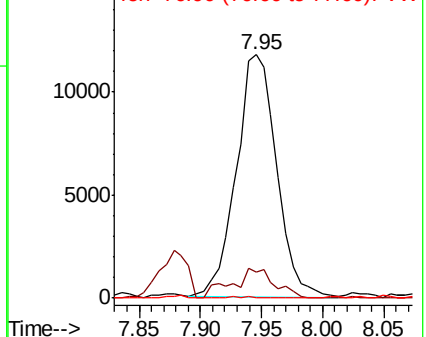
75 100

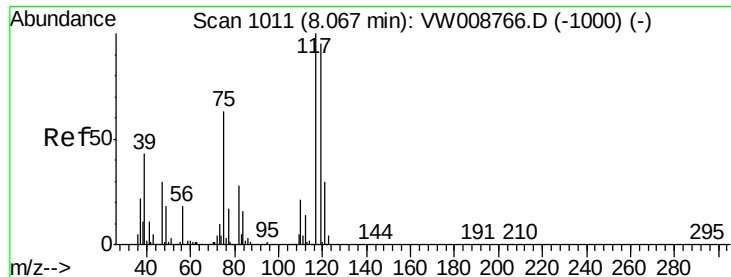
110 10.3 17.5 52.6#

77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.859 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008855.D

Acq: 27 Feb 2019 15:28

Instrument :

MSVOA_W

ClientSampled :

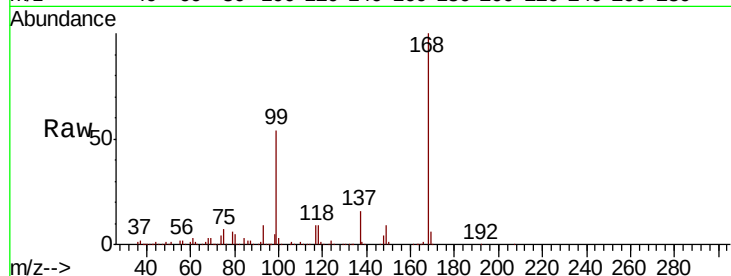
Tot Ion:117 Resp: 33877

Ion Ratio Lower Upper

117 100

119 7.0 76.1 114.1#

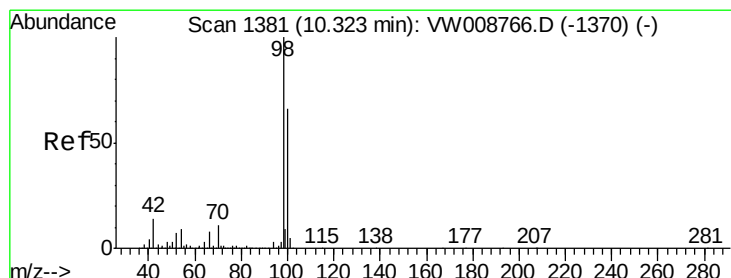
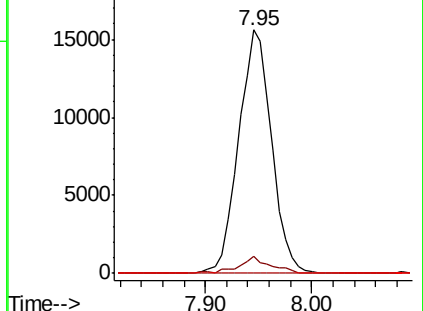
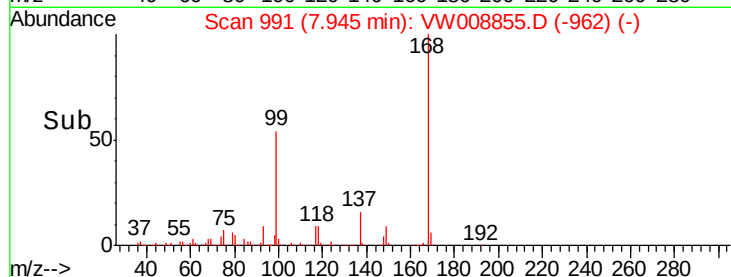
121 0.0 24.0 36.0#



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



#50

Toluene-d8

Concen: 50.550 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008855.D

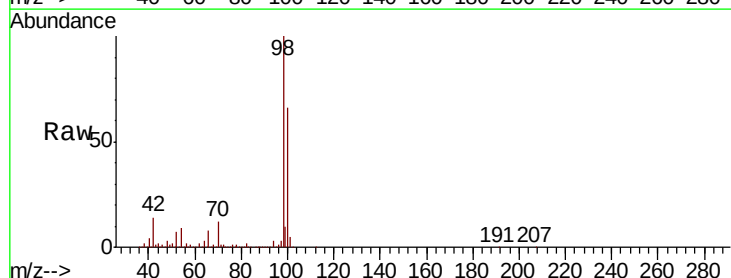
Acq: 27 Feb 2019 15:28

Tgt Ion: 98 Resp: 659875

Ion Ratio Lower Upper

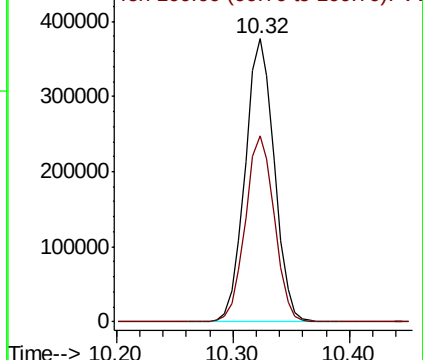
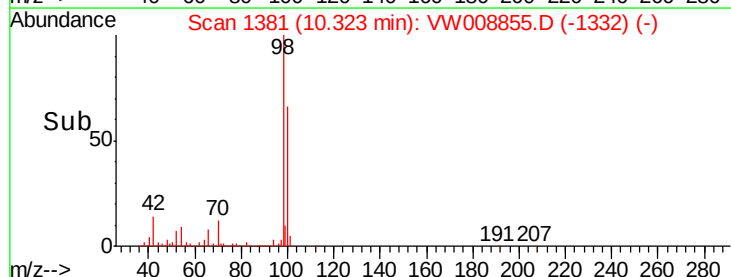
98 100

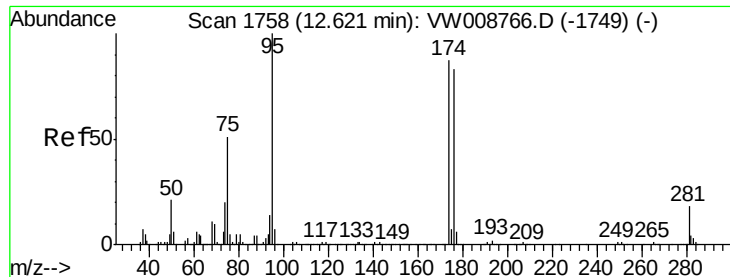
100 65.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 41.168 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008855.D

Acq: 27 Feb 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

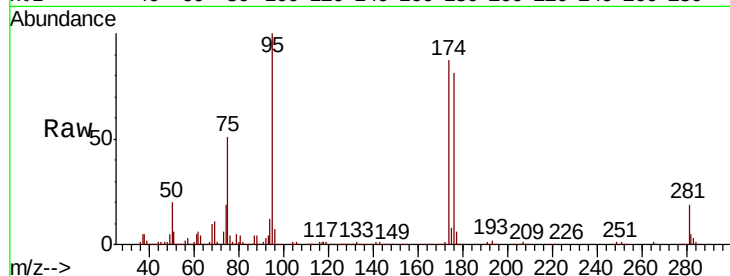
Tot Ion: 95 Resp: 210414

Ion Ratio Lower Upper

95 100

174 86.0 0.0 169.2

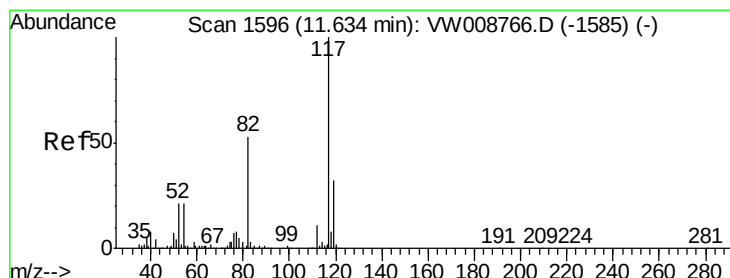
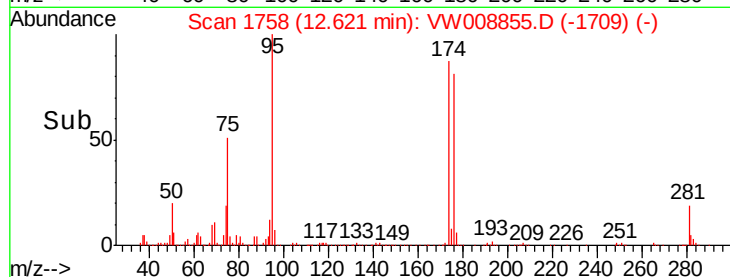
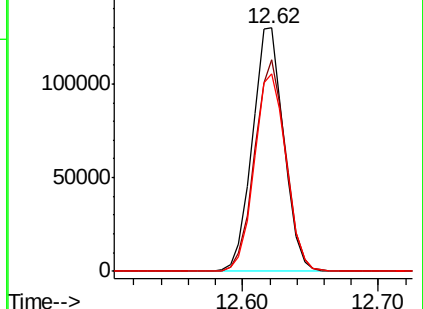
176 82.1 0.0 163.6



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# 1595

Delta R.T. -0.01 min

Lab File: VW008855.D

Acq: 27 Feb 2019 15:28

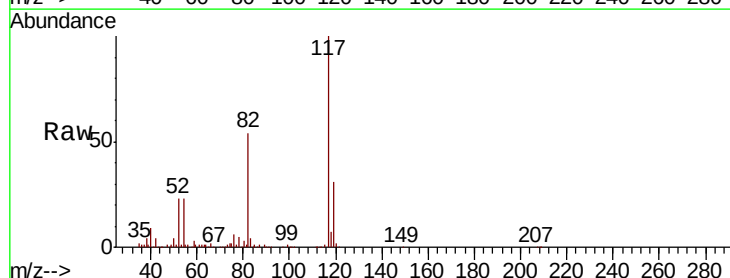
Tgt Ion: 117 Resp: 480444

Ion Ratio Lower Upper

117 100

82 54.0 42.2 63.4

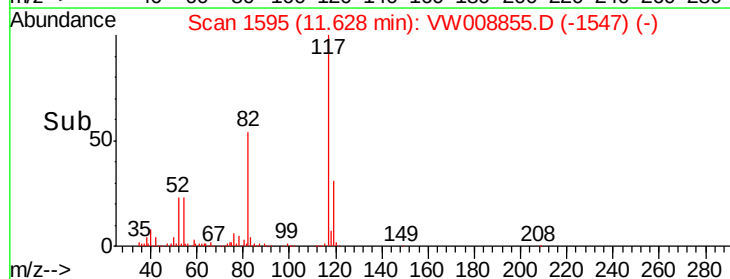
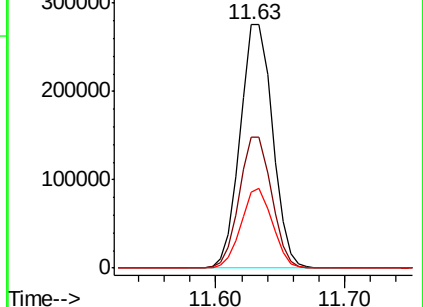
119 31.0 25.9 38.9

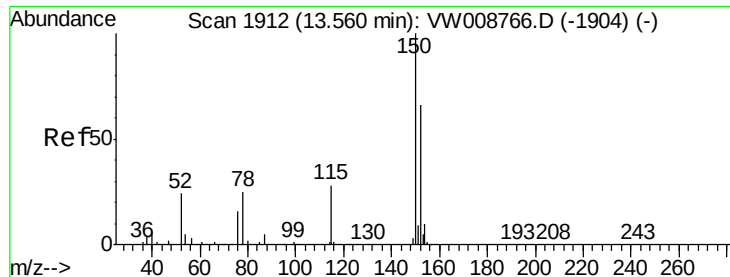


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008855.D

Acq: 27 Feb 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

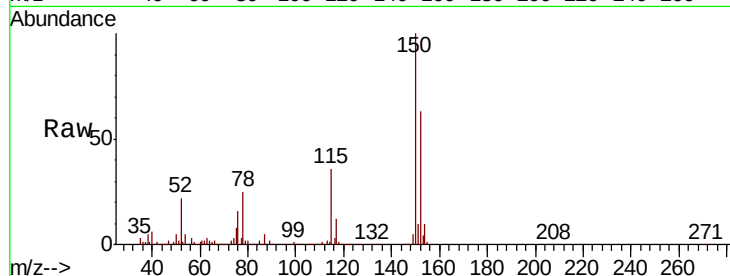
Tot Ion:152 Resp: 195065

Ion Ratio Lower Upper

152 100

115 58.3 28.6 85.8

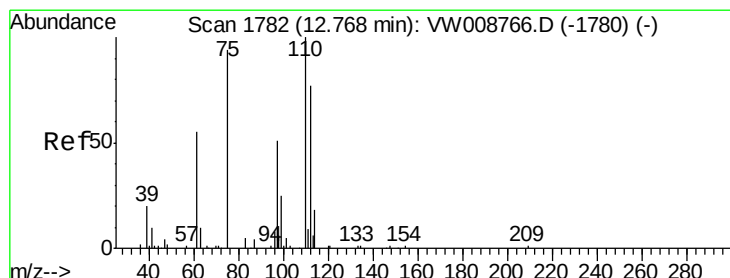
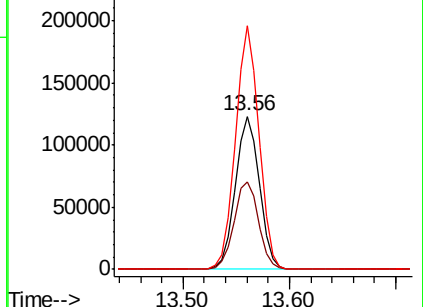
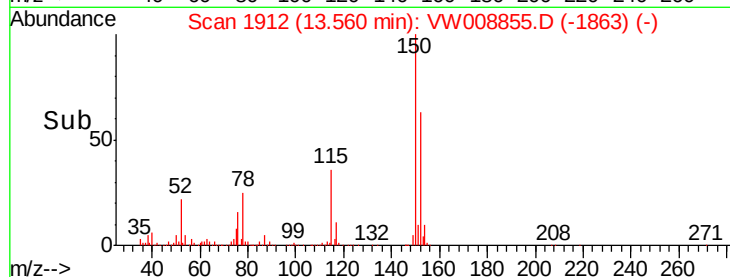
150 155.2 0.0 348.0



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: 68.205 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008855.D

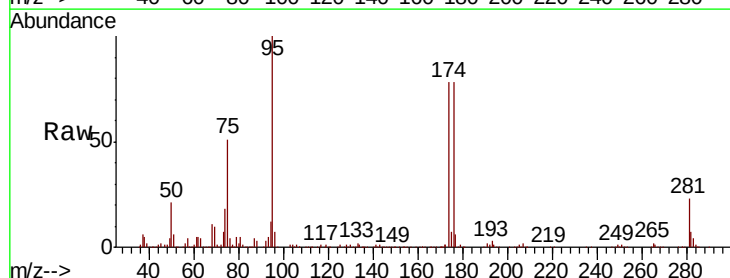
Acq: 27 Feb 2019 15:28

Tgt Ion: 75 Resp: 109845

Ion Ratio Lower Upper

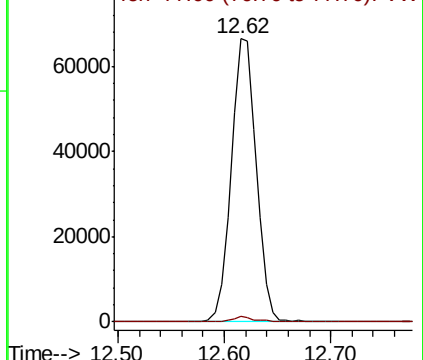
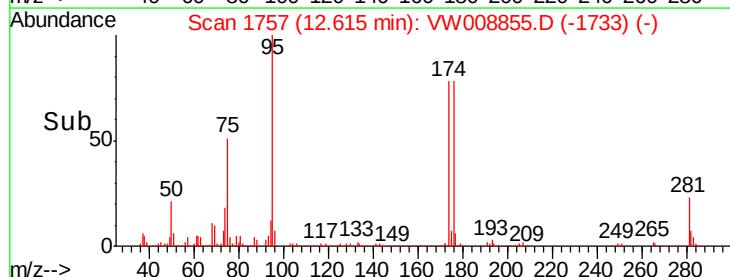
75 100

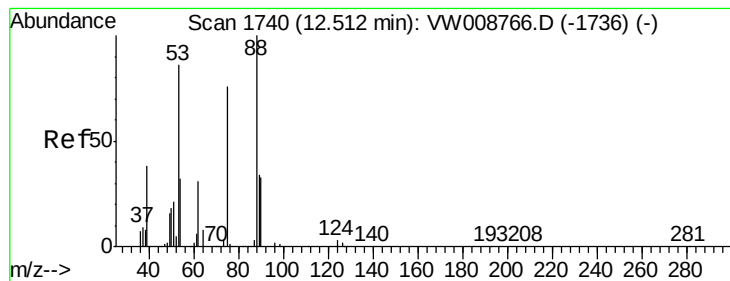
77 1.7 0.0 0.0#



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: 165.811 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008855.D

Acq: 27 Feb 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

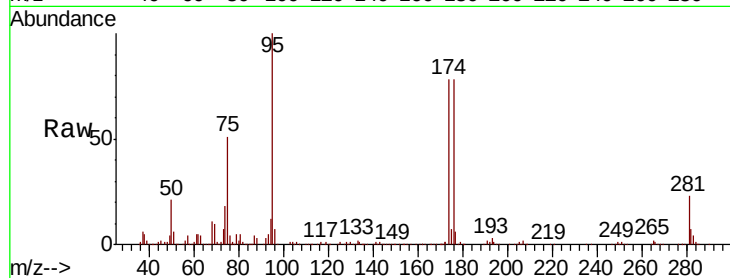
Tot Ion: 75 Resp: 109845

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.4 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

