

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
 Data File : VW008502.D
 Acq On : 04 Feb 2019 15:28
 Operator : SY/VA
 Sample : K1299-02
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0036-COMP-2

Quant Time: Feb 05 03:43:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	346192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	557002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	491713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	210050	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	196729	57.84	ug/l	0.00
Spiked Amount			Recovery	=	115.68%	
35) Dibromofluoromethane	7.88	113	179016	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	
50) Toluene-d8	10.32	98	654570	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.62	95	235110	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	

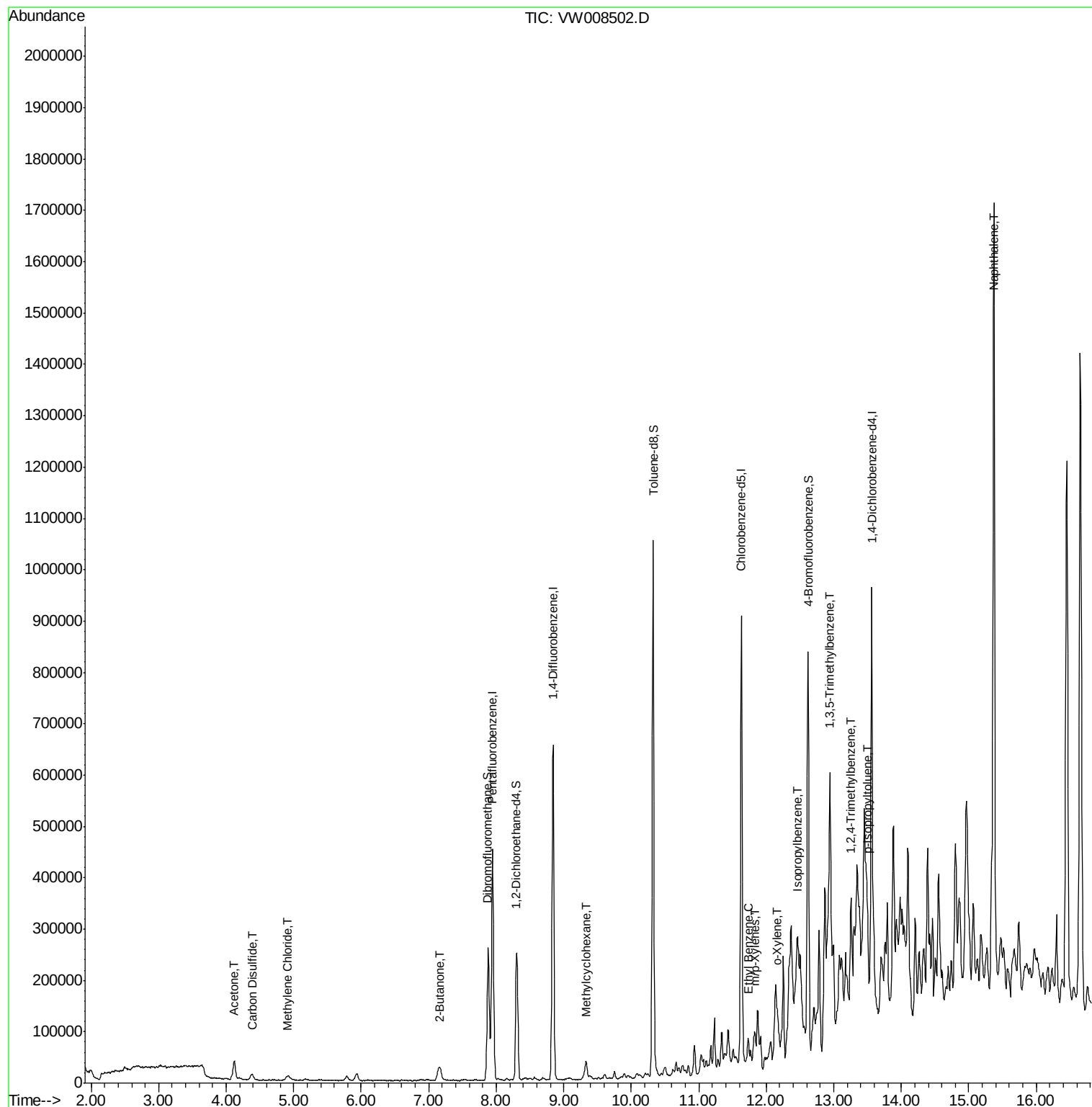
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	62983	82.466	ug/l	97
17) Carbon Disulfide	4.38	76	22486	2.222	ug/l	97
20) Methylene Chloride	4.91	84	7137	2.027	ug/l #	93
25) 2-Butanone	7.17	43	28198	26.581	ug/l	92
39) Methylcyclohexane	9.33	83	13559	1.962	ug/l	96
67) Ethyl Benzene	11.73	91	33822	1.833	ug/l	98
68) m/p-Xylenes	11.83	106	14431	2.016	ug/l	99
69) o-Xylene	12.17	106	17525	2.576	ug/l	98
73) Isopropylbenzene	12.46	105	45333	2.895	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	85653	6.544	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	121404	9.126	ug/l	100
86) p-Isopropyltoluene	13.50	119	36173	2.483	ug/l	97
95) Naphthalene	15.37	128	1269960	165.846	ug/l	99

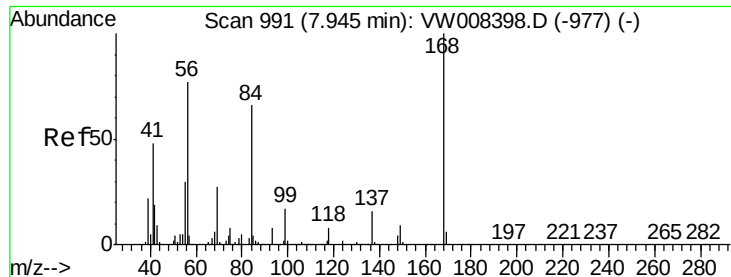
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008502.D

Acq: 04 Feb 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

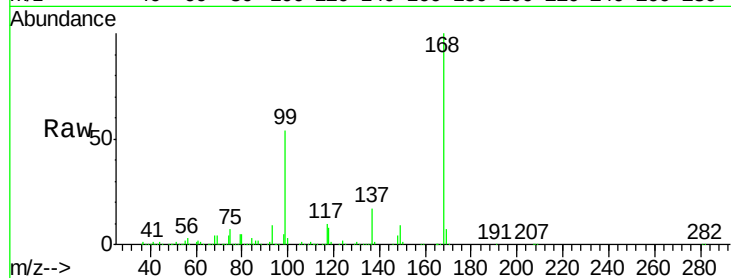
0036-COMP-2

Tot Ion:168 Resp: 346192

Ion Ratio Lower Upper

168 100

99 53.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

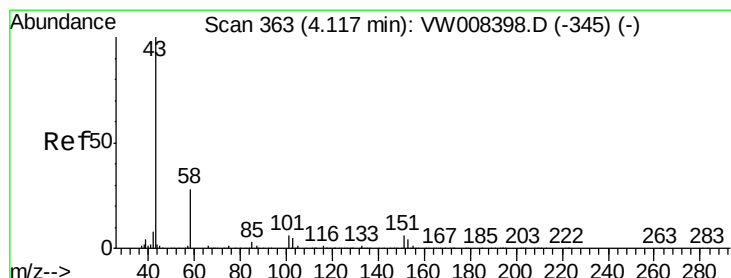
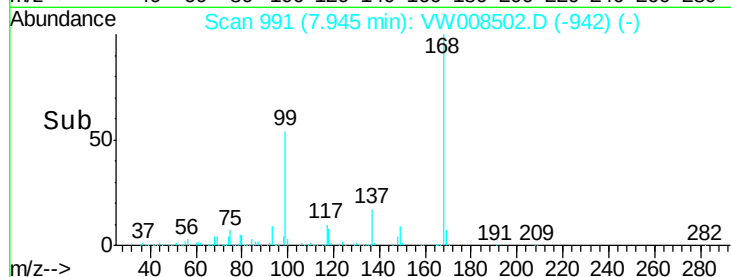
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 82.466 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008502.D

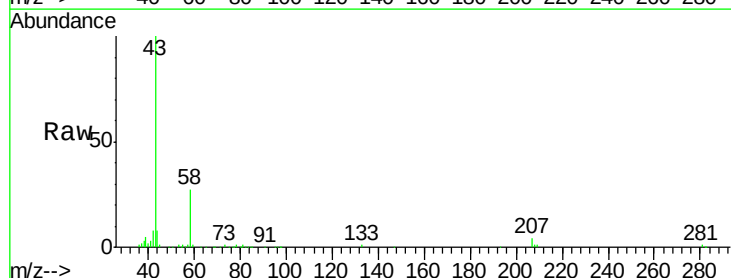
Acq: 04 Feb 2019 15:28

Tgt Ion: 43 Resp: 62983

Ion Ratio Lower Upper

43 100

58 26.7 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

25000

20000

15000

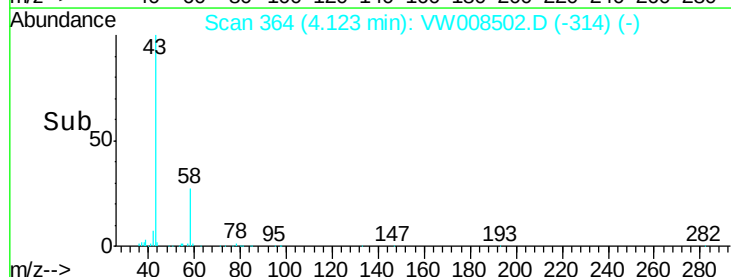
10000

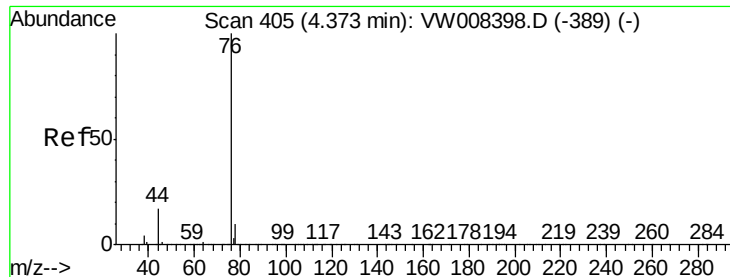
5000

0

4.00 4.10 4.20

Time-->





#17

Carbon Disulfide

Concen: 2.222 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008502.D

Acq: 04 Feb 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

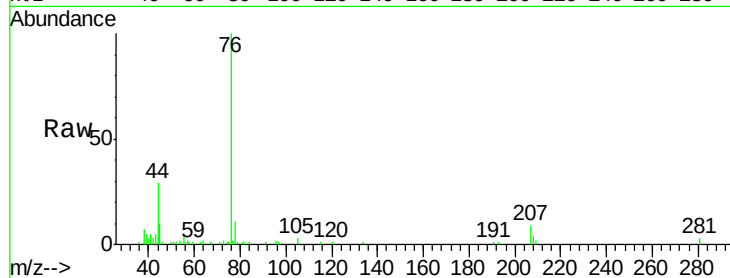
0036-COMP-2

Tot Ion: 76 Resp: 22486

Ion Ratio Lower Upper

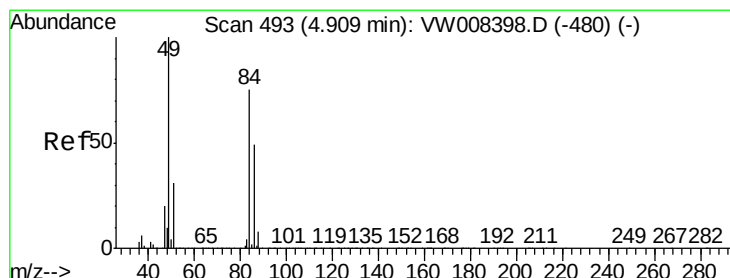
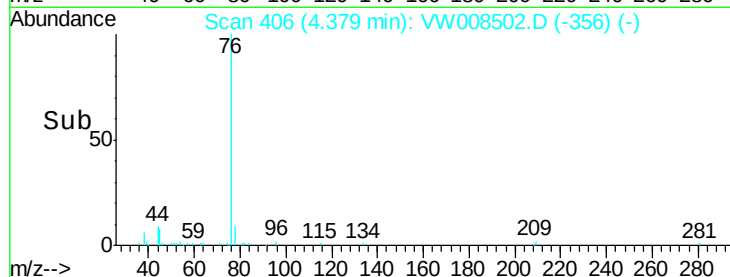
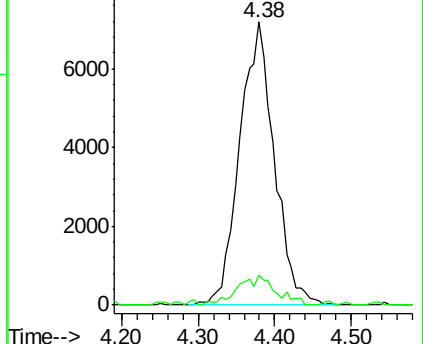
76 100

78 10.8 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 2.027 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008502.D

Acq: 04 Feb 2019 15:28

Tgt Ion: 84 Resp: 7137

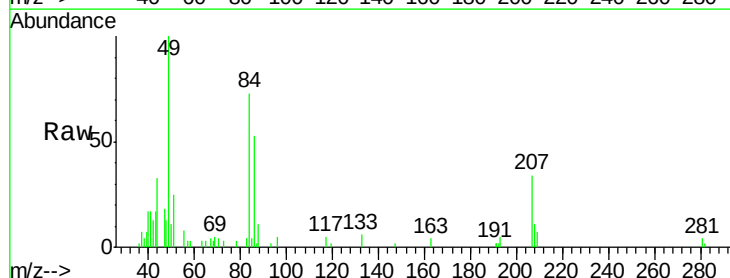
Ion Ratio Lower Upper

84 100

49 137.3 106.8 160.2

51 30.4 32.9 49.3#

86 72.2 52.2 78.2

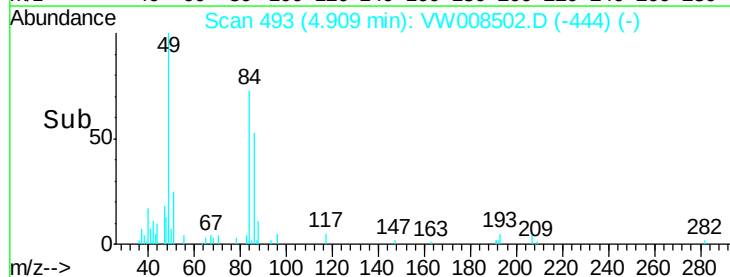
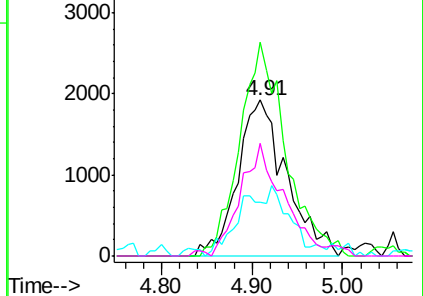


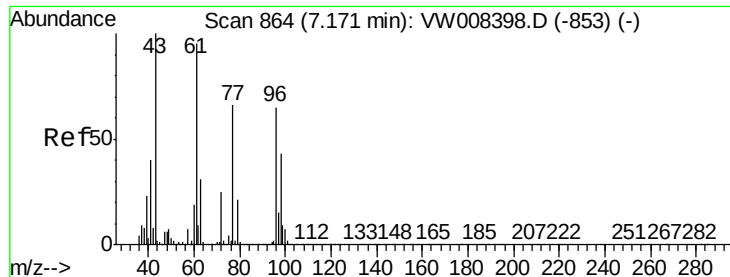
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 26.581 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008502.D

Acq: 04 Feb 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

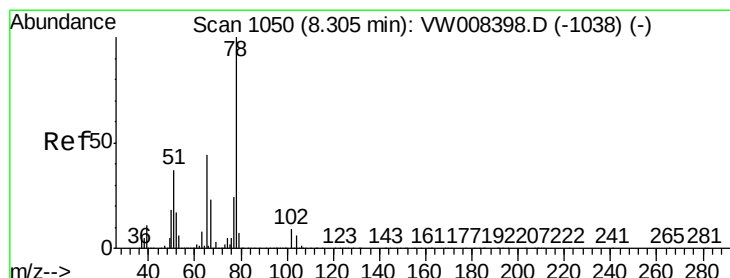
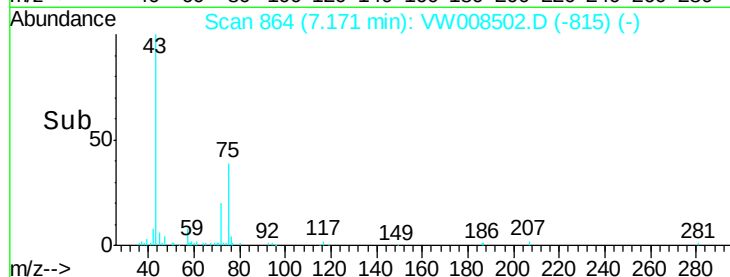
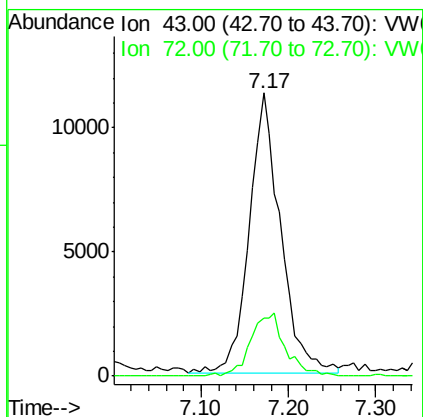
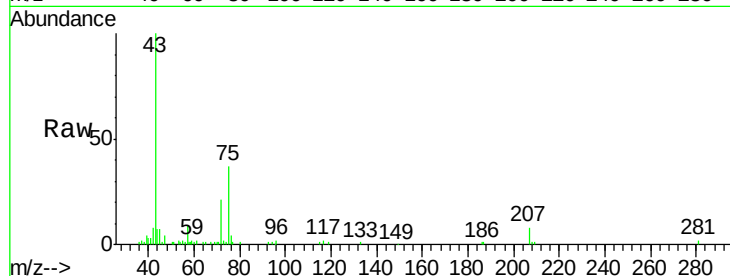
0036-COMP-2

Tot Ion: 43 Resp: 28198

Ion Ratio Lower Upper

43 100

72 20.8 20.1 30.1



#33

1,2-Dichloroethane-d4

Concen: 57.844 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008502.D

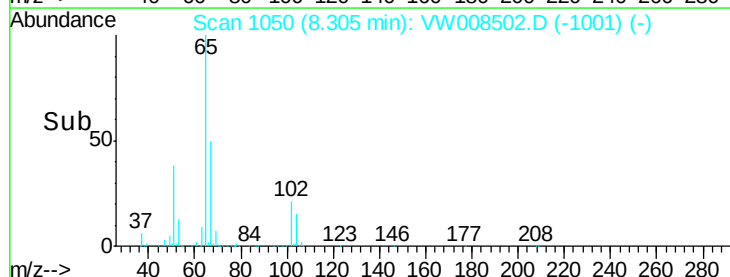
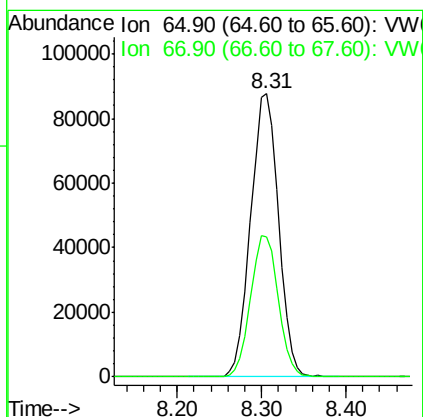
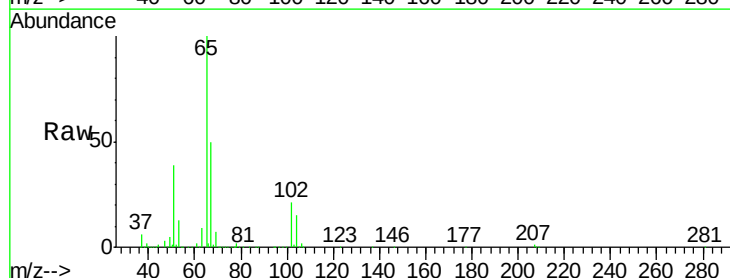
Acq: 04 Feb 2019 15:28

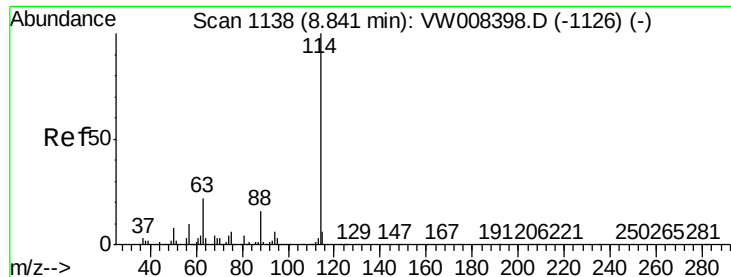
Tgt Ion: 65 Resp: 196729

Ion Ratio Lower Upper

65 100

67 49.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008502.D

Acq: 04 Feb 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

0036-COMP-2

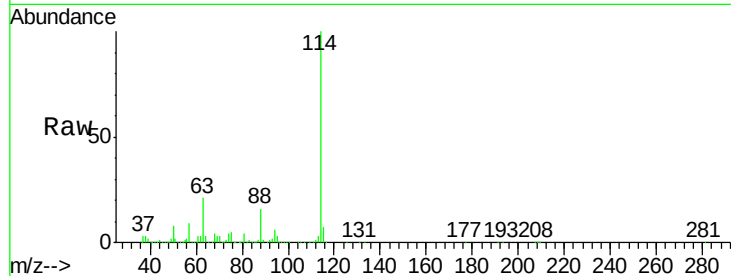
Tot Ion:114 Resp: 557002

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.6

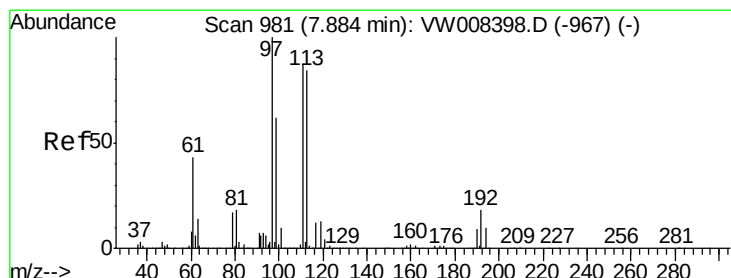
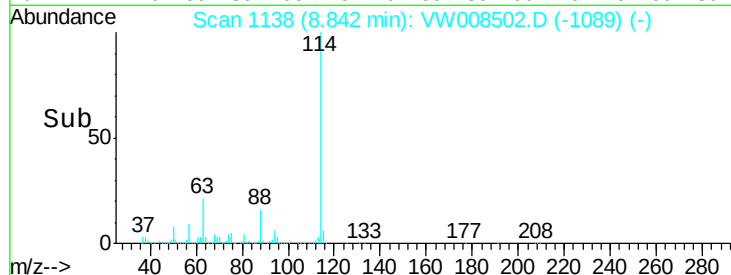
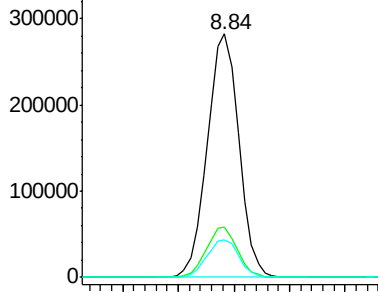
88 15.5 0.0 31.8



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: 54.964 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008502.D

Acq: 04 Feb 2019 15:28

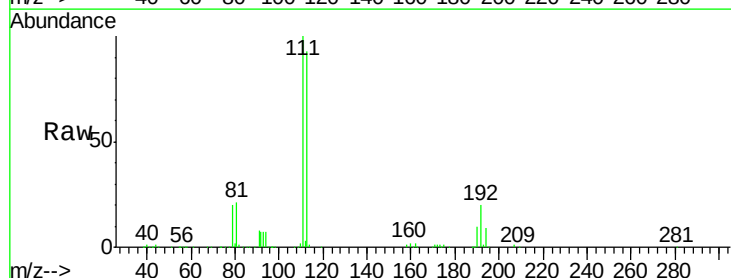
Tgt Ion:113 Resp: 179016

Ion Ratio Lower Upper

113 100

111 103.5 81.0 121.4

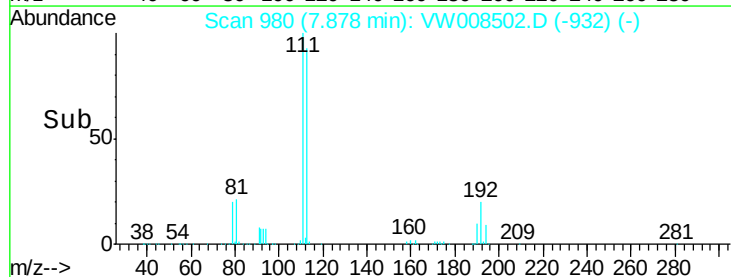
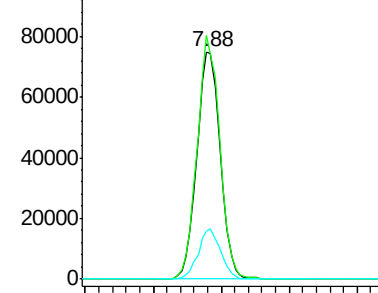
192 21.0 16.8 25.2

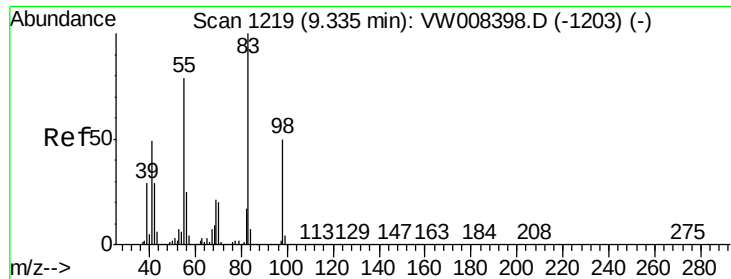


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

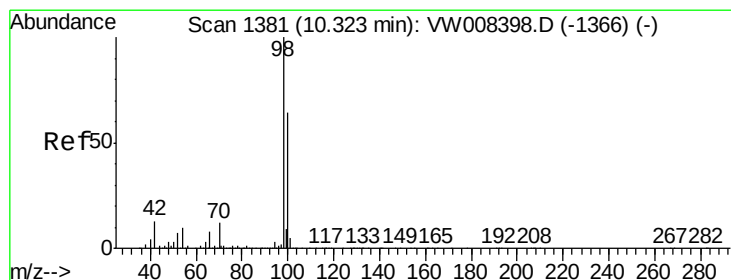
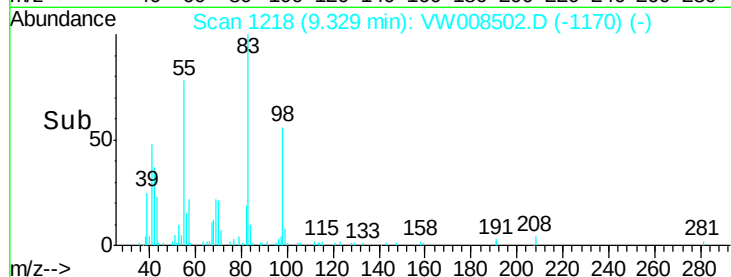
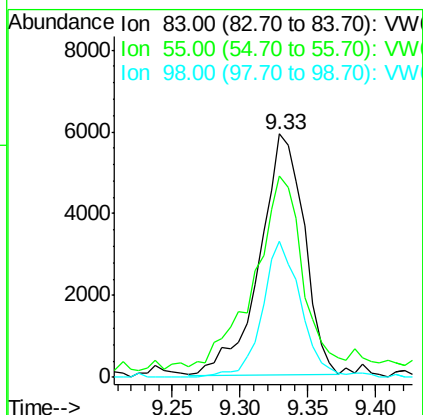
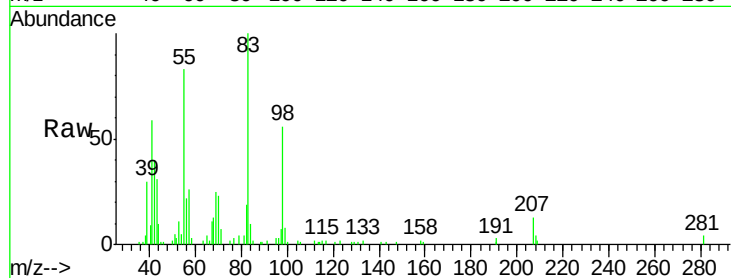




#39
Methylvlcyclohexane
Concen: 1.962 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008502.D
Acq: 04 Feb 2019 15:28

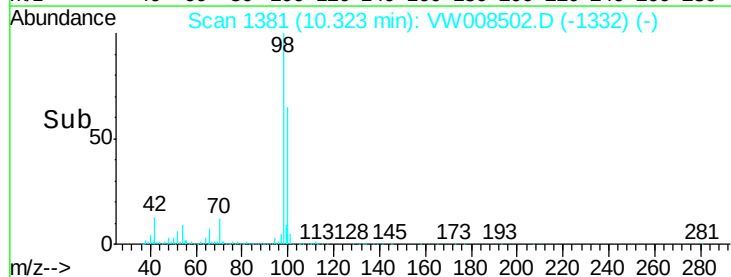
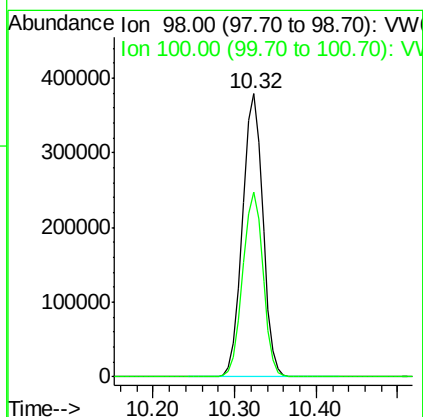
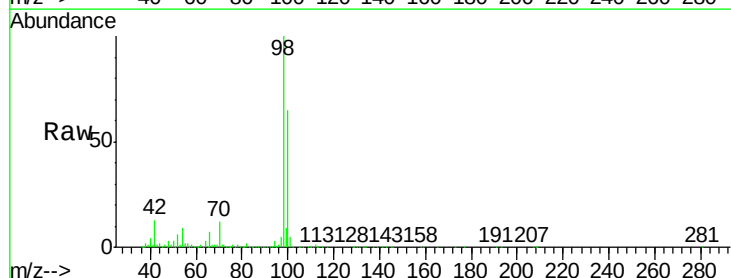
Instrument :
MSVOA_W
ClientSampleId :
0036-COMP-2

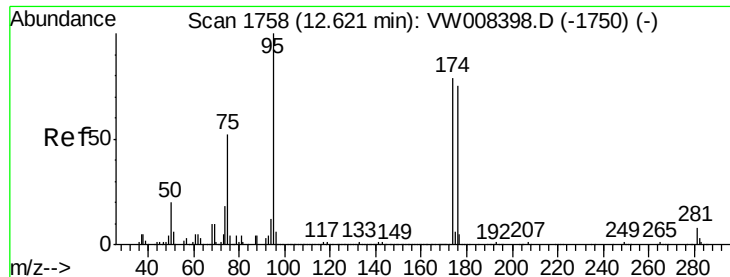
Tot Ion	83.00	Resp	13559
Ion Ratio	Lower	Upper	
83	100		
55	79.3	63.3	94.9
98	56.3	39.7	59.5



#50
Toluene-d8
Concen: 50.118 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008502.D
Acq: 04 Feb 2019 15:28

Tgt Ion	98	Resp	654570
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.6	78.8





#62

4-Bromofluorobenzene

Concen: 46.832 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008502.D

Acq: 04 Feb 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

0036-COMP-2

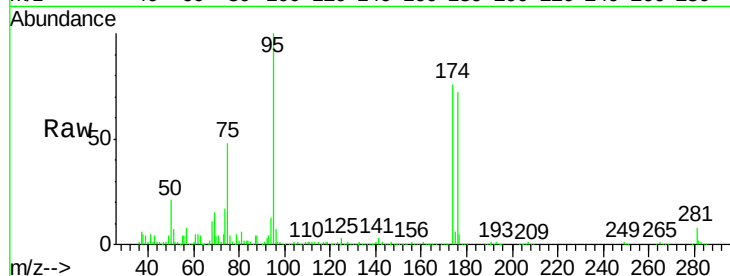
Tot Ion: 95 Resp: 235110

Ion Ratio Lower Upper

95 100

174 81.9 0.0 157.6

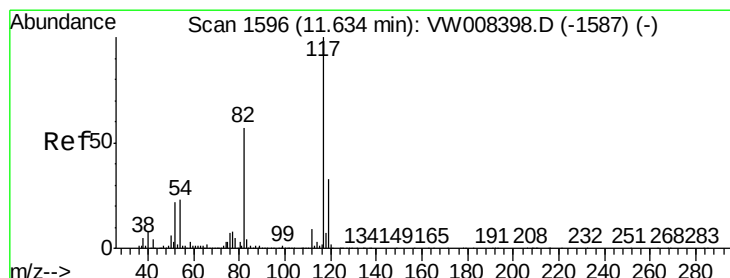
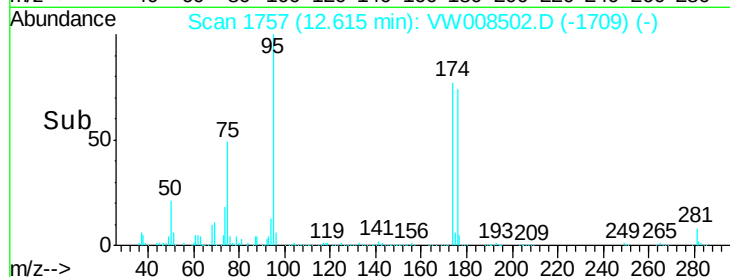
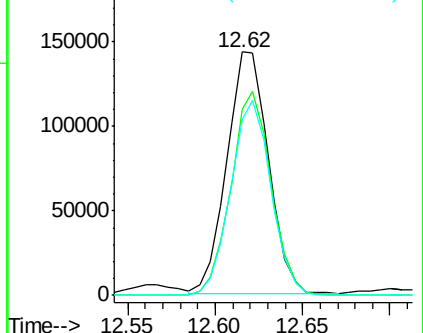
176 78.8 0.0 151.8



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: VW008502.D

Acq: 04 Feb 2019 15:28

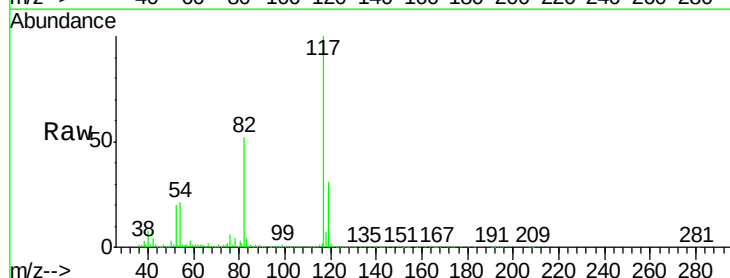
Tgt Ion: 117 Resp: 491713

Ion Ratio Lower Upper

117 100

82 52.1 45.4 68.0

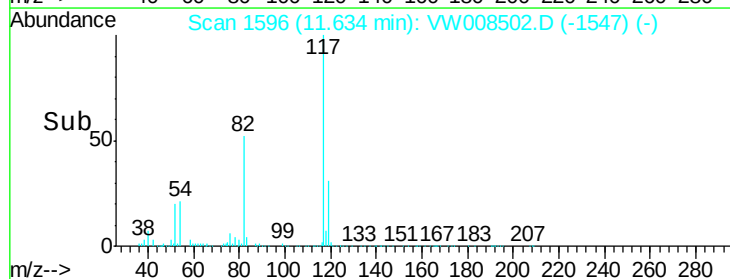
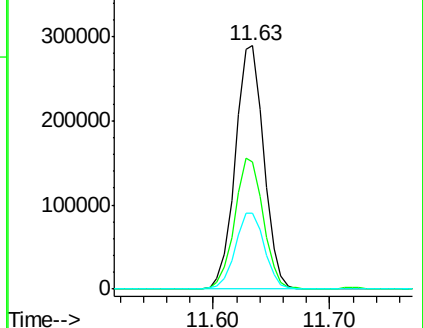
119 31.4 26.2 39.4

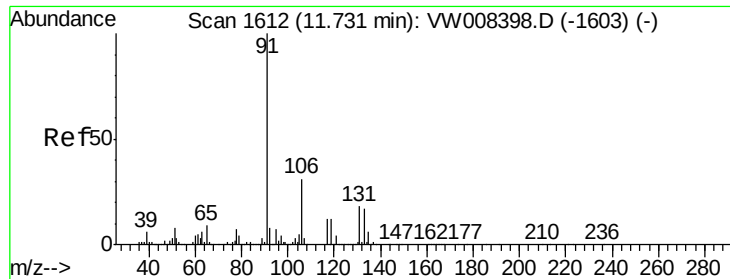


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

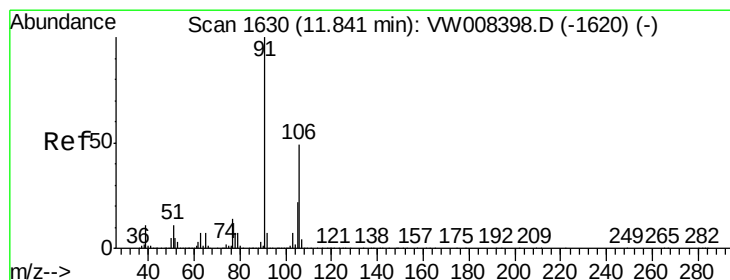
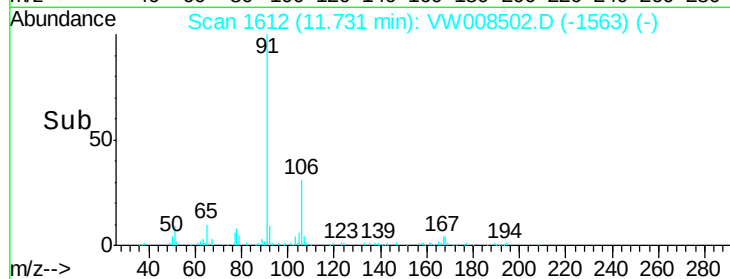
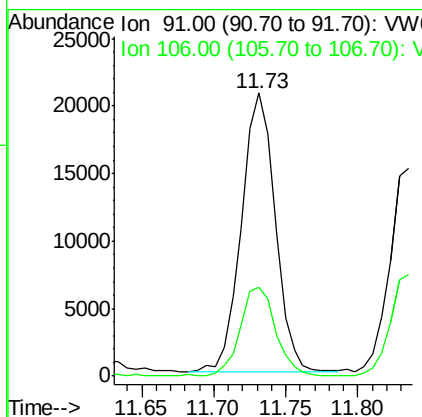
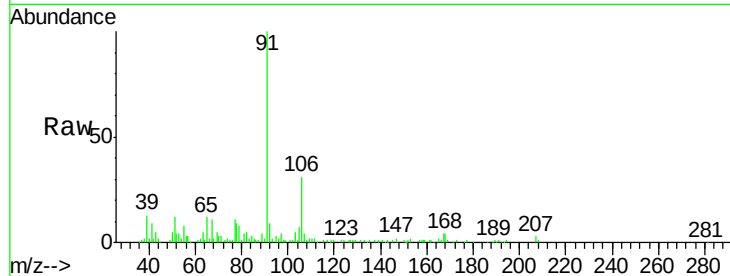




#67
Ethyl Benzene
Concen: 1.833 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008502.D
Acq: 04 Feb 2019 15:28

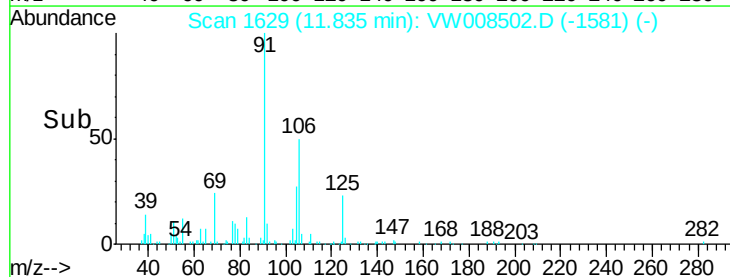
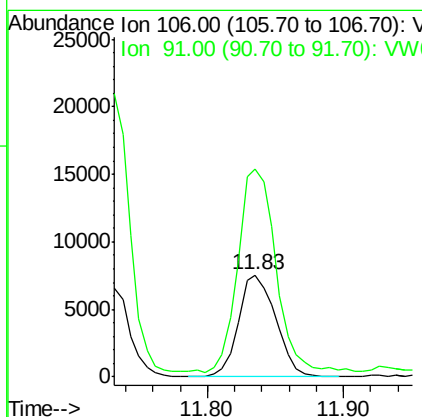
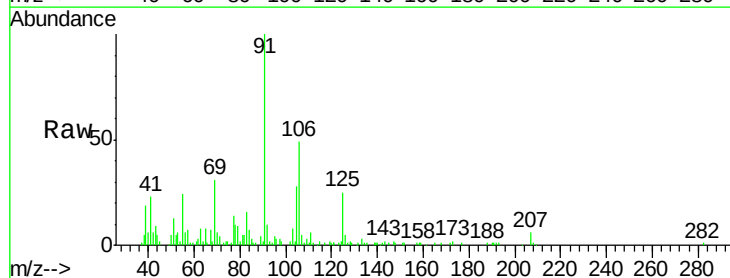
Instrument :
MSVOA_W
ClientSampleId :
0036-COMP-2

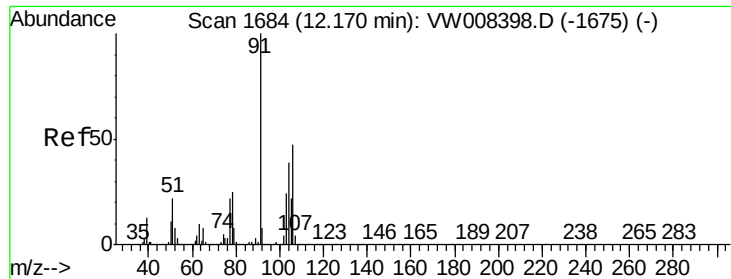
Tot Ion: 91 Resp: 33822
Ion Ratio Lower Upper
91 100
106 31.9 24.7 37.1



#68
m/p-Xylenes
Concen: 2.016 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008502.D
Acq: 04 Feb 2019 15:28

Tgt Ion: 106 Resp: 14431
Ion Ratio Lower Upper
106 100
91 201.7 162.9 244.3

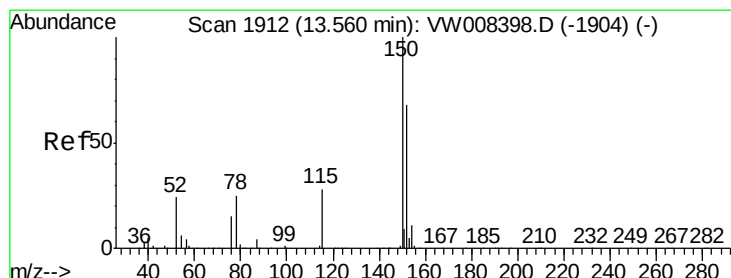
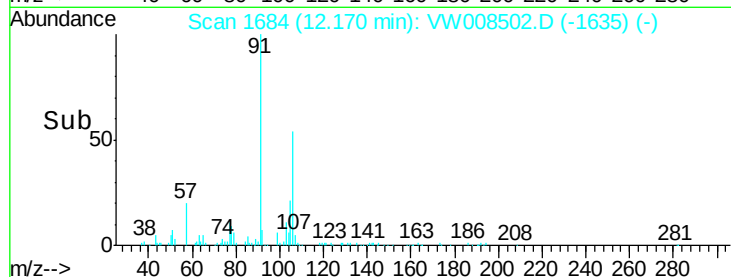
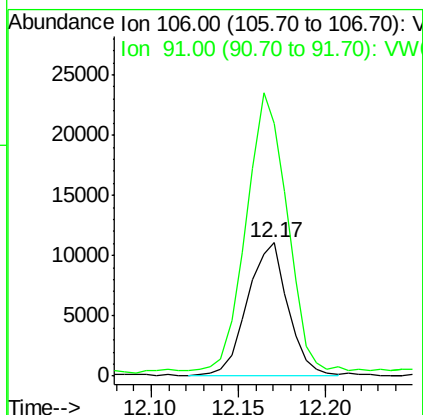
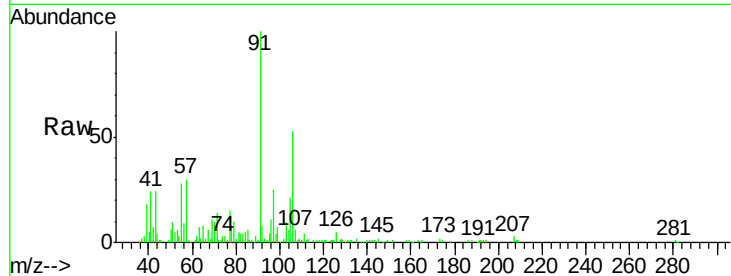




#69
o-Xylene
Concen: 2.576 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008502.D
Acq: 04 Feb 2019 15:28

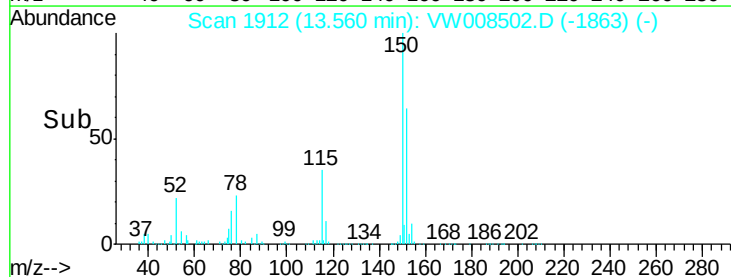
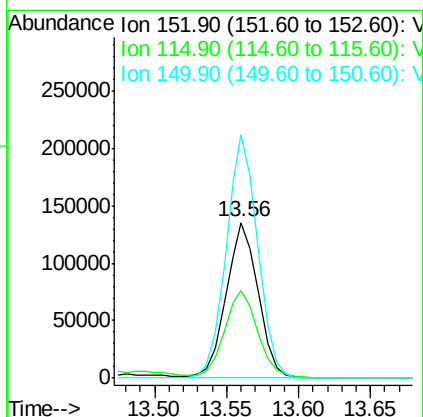
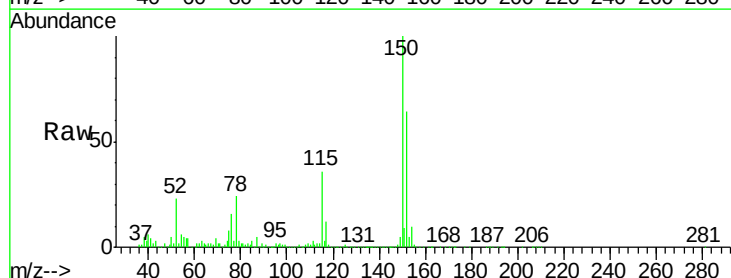
Instrument :
MSVOA_W
ClientSampleId :
0036-COMP-2

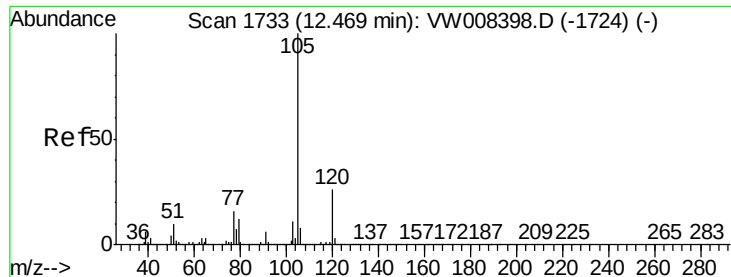
Tot Ion:106 Resp: 17525
Ion Ratio Lower Upper
106 100
91 211.4 107.5 322.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008502.D
Acq: 04 Feb 2019 15:28

Tgt Ion:152 Resp: 210050
Ion Ratio Lower Upper
152 100
115 58.3 29.9 89.7
150 153.7 0.0 351.4





#73

Isopropylbenzene

Concen: 2.895 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008502.D

Acq: 04 Feb 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

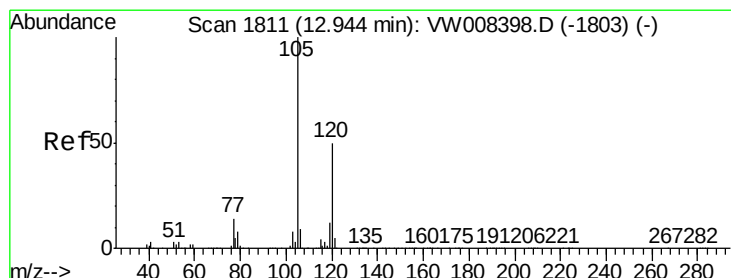
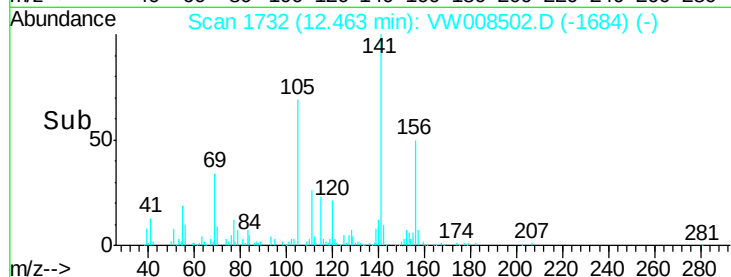
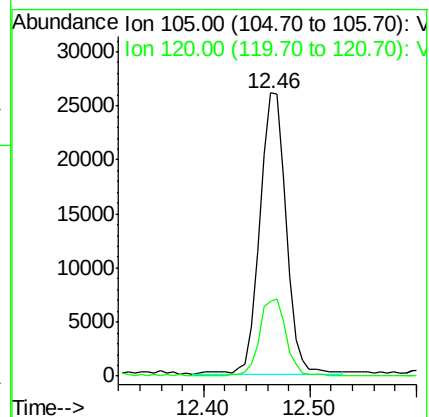
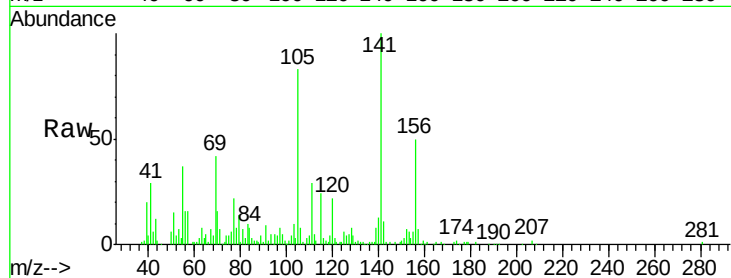
0036-COMP-2

Tot Ion:105 Resp: 45333

Ion Ratio Lower Upper

105 100

120 27.9 13.3 39.8



#80

1,3,5-Trimethylbenzene

Concen: 6.544 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008502.D

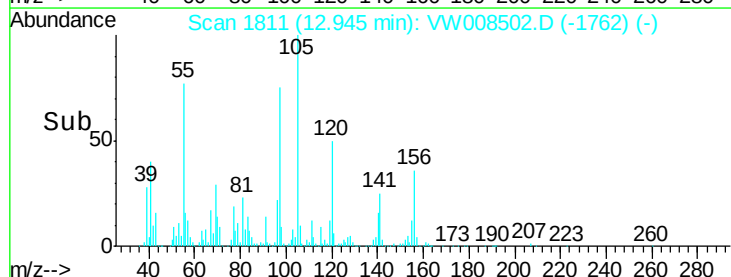
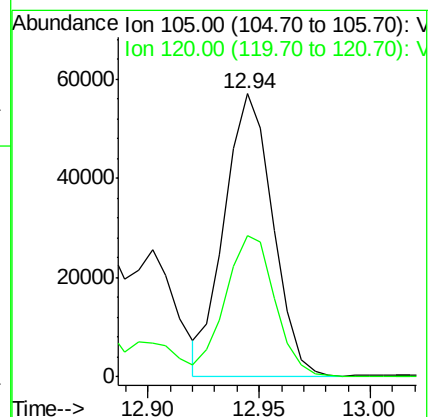
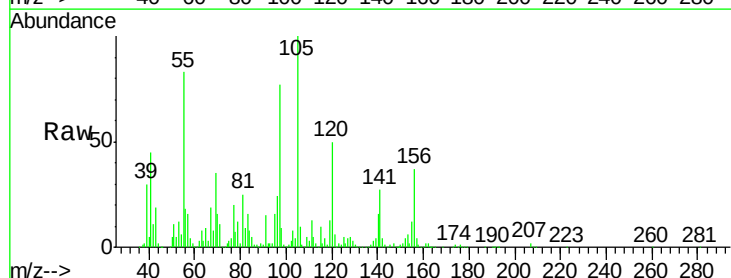
Acq: 04 Feb 2019 15:28

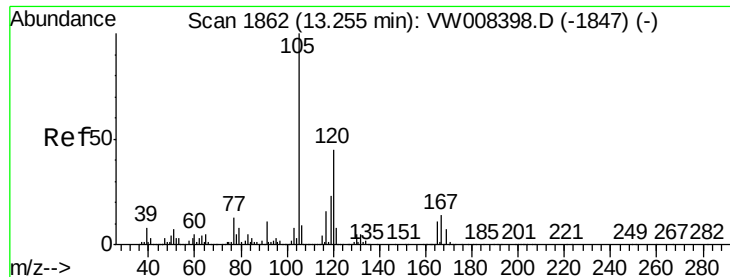
Tgt Ion:105 Resp: 85653

Ion Ratio Lower Upper

105 100

120 51.5 24.6 73.8

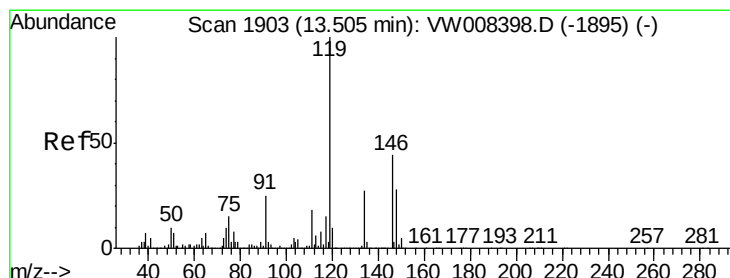
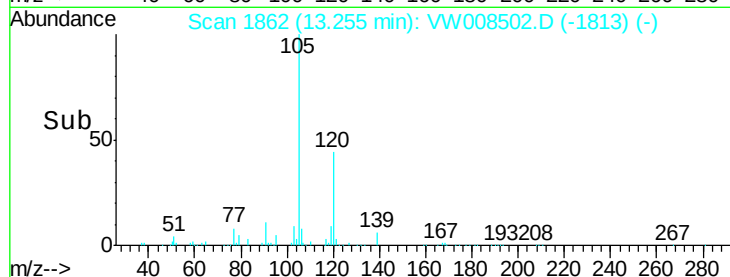
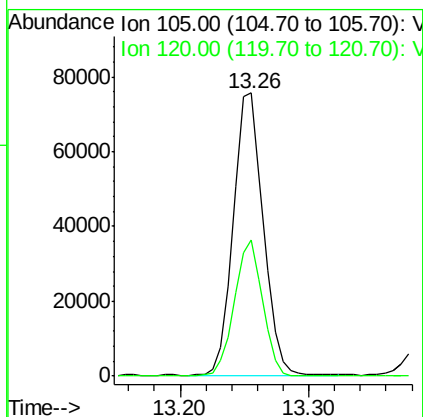
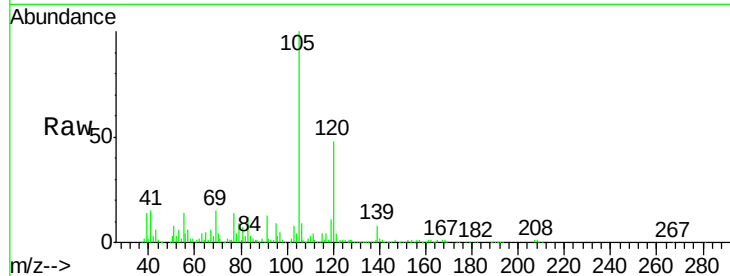




#84
 1,2,4-Trimethylbenzene
 Concen: 9.126 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008502.D
 Acq: 04 Feb 2019 15:28

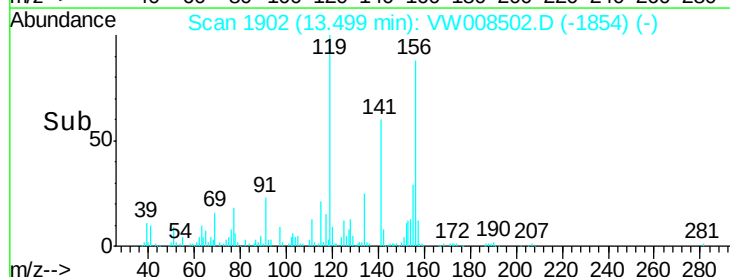
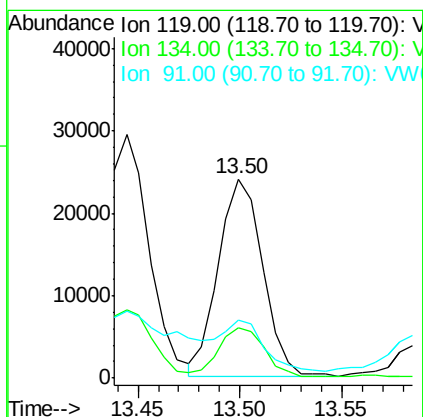
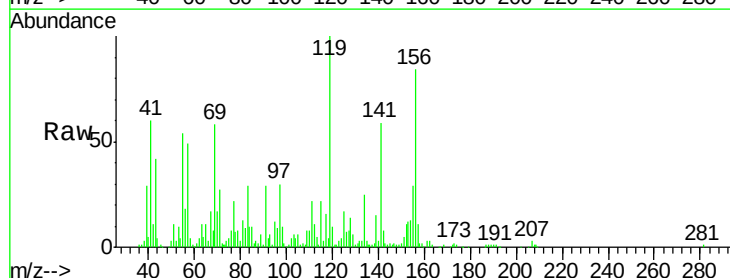
Instrument :
 MSVOA_W
 ClientSampleId :
 0036-COMP-2

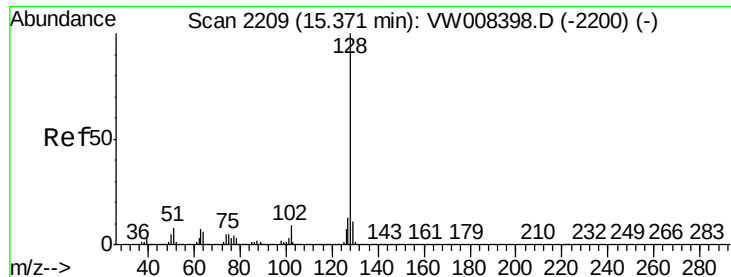
Tot Ion:105 Resp: 121404
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.2



#86
 p-Isopropyltoluene
 Concen: 2.483 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008502.D
 Acq: 04 Feb 2019 15:28

Tgt Ion:119 Resp: 36173
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.4 40.2
 91 26.4 12.6 37.6





#95
 Naphthalene
 Concen: 165.846 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW008502.D
 Acq: 04 Feb 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 0036-COMP-2

Tot Ion:128 Resp: 1269960

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.1	8.7	13.1

