

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007813.D
 Acq On : 21 Dec 2018 23:18
 Operator : SY/AP
 Sample : J6377-14RE
 Misc : 4.23G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD005-0612-01RE

Quant Time: Dec 22 01:48:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	113949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	83114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	27718	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	37742	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
35) Dibromofluoromethane	7.88	113	30235	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	
50) Toluene-d8	10.32	98	103399	39.46	ug/l	0.00
Spiked Amount			Recovery	=	78.92%	
62) 4-Bromofluorobenzene	12.62	95	28435	28.09	ug/l	0.00
Spiked Amount			Recovery	=	56.18%	

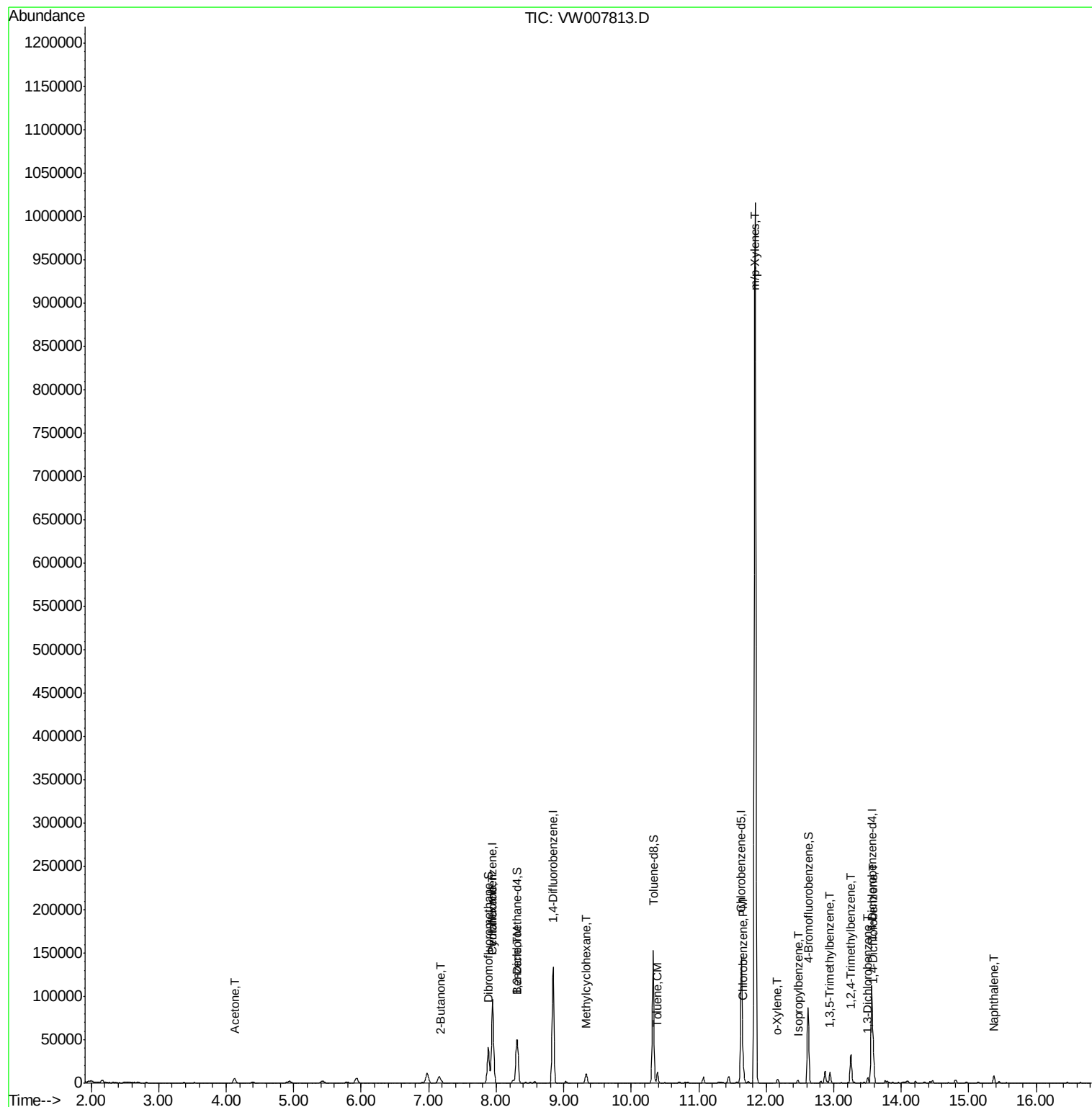
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	9922	68.996	ug/l	96
25) 2-Butanone	7.18	43	5076	30.136	ug/l	94
31) Cyclohexane	7.95	56	3272	2.862	ug/l #	63
39) Methylcyclohexane	9.33	83	4814	3.523	ug/l	95
40) Benzene	8.32	78	13664	4.656	ug/l	94
52) Toluene	10.38	92	5866	2.979	ug/l	97
65) Chlorobenzene	11.66	112	11319	6.292	ug/l	97
68) m/p-Xylenes	11.84	106	288037	240.535	ug/l	99
69) o-Xylene	12.17	106	1211	1.079	ug/l	95
73) Isopropylbenzene	12.47	105	2175	1.038	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	6711	3.713	ug/l	93
84) 1,2,4-Trimethylbenzene	13.26	105	18975	10.405	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	2031	2.130	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	12943	13.572	ug/l	100
95) Naphthalene	15.37	128	7544	6.887	ug/l	99

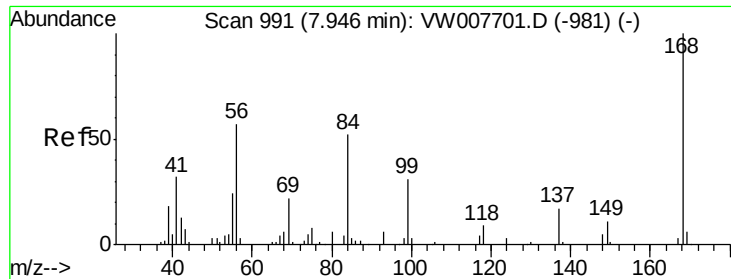
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007813.D
Acq On : 21 Dec 2018 23:18
Operator : SY/AP
Sample : J6377-14RE
Misc : 4.23G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
P001-SD005-0612-01RE

Quant Time: Dec 22 01:48:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007813.D

Acq: 21 Dec 2018 23:18

Instrument :

MSVOA_W

ClientSampleId :

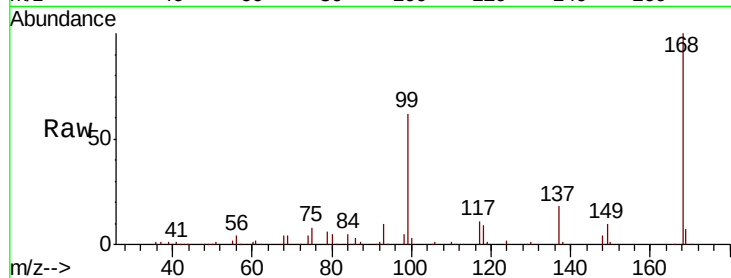
P001-SD005-0612-01RE

Tot Ion:168 Resp: 70065

Ion Ratio Lower Upper

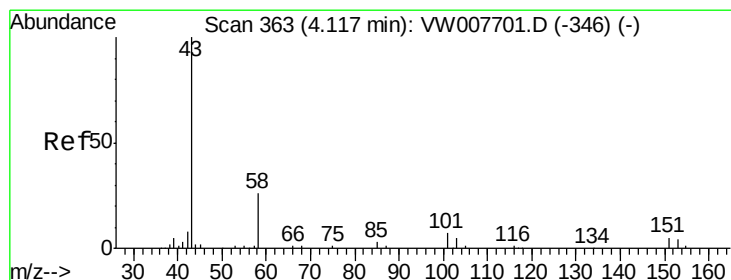
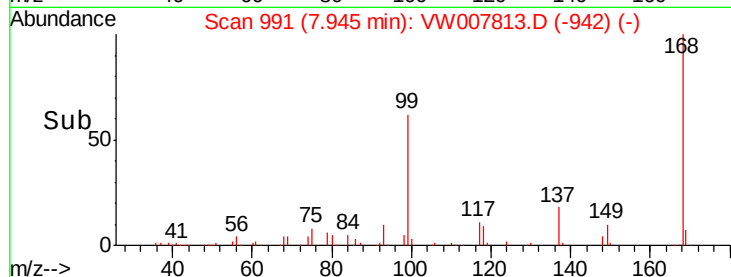
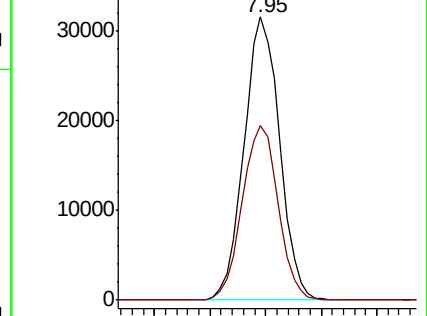
168 100

99 61.7 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 68.996 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007813.D

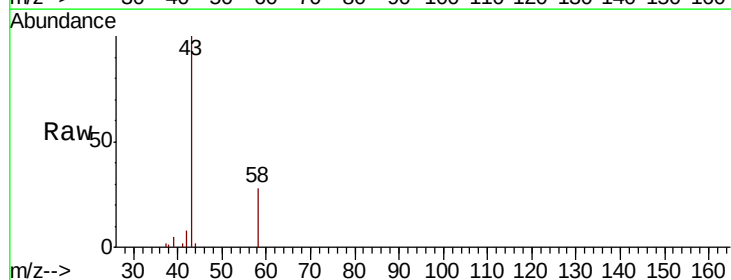
Acq: 21 Dec 2018 23:18

Tgt Ion: 43 Resp: 9922

Ion Ratio Lower Upper

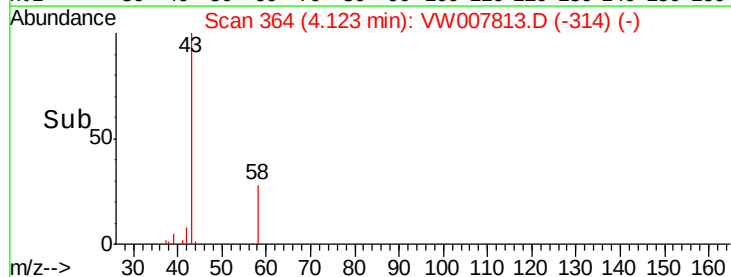
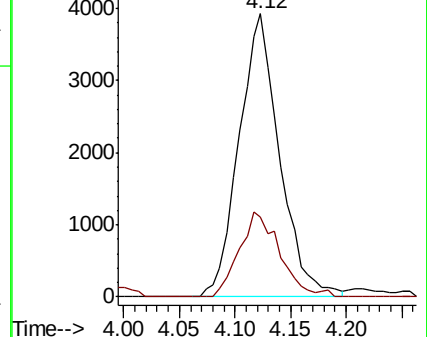
43 100

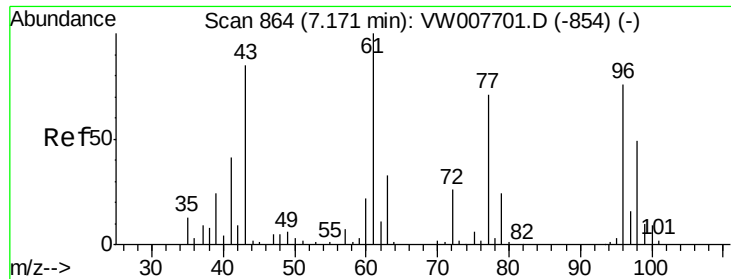
58 28.4 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

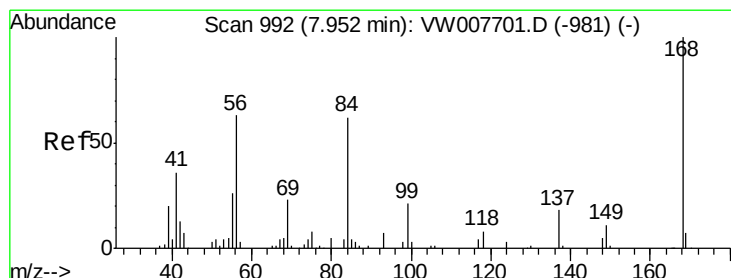
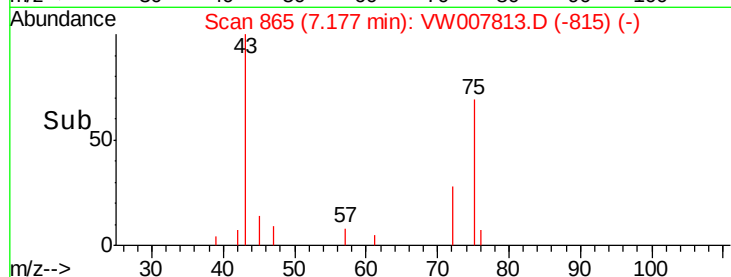
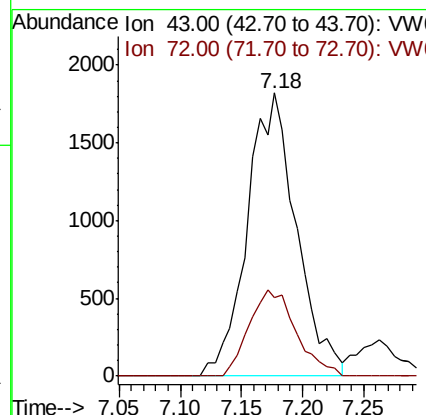
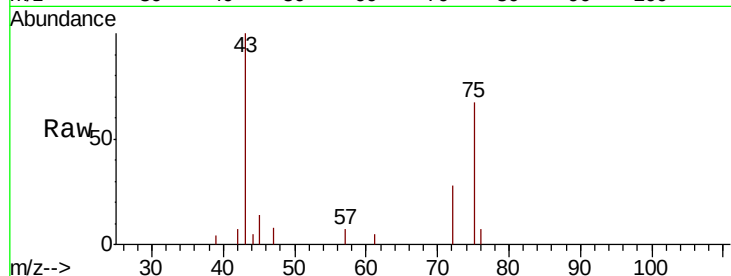




#25
2-Butanone
Concen: 30.136 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007813.D
Acq: 21 Dec 2018 23:18

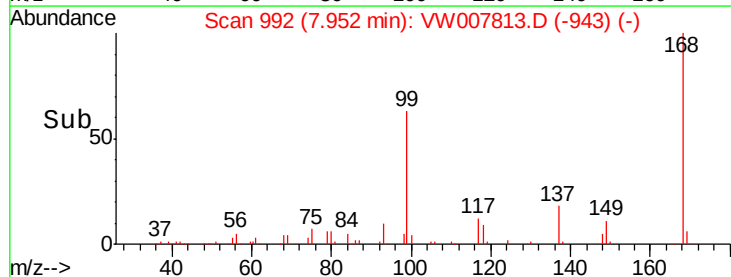
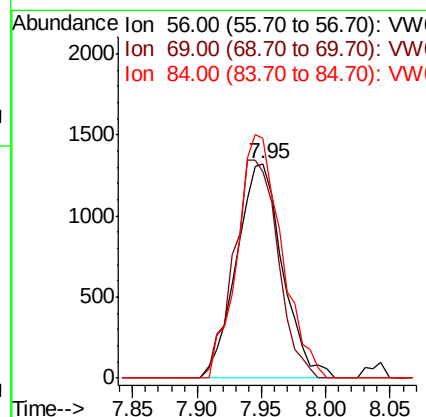
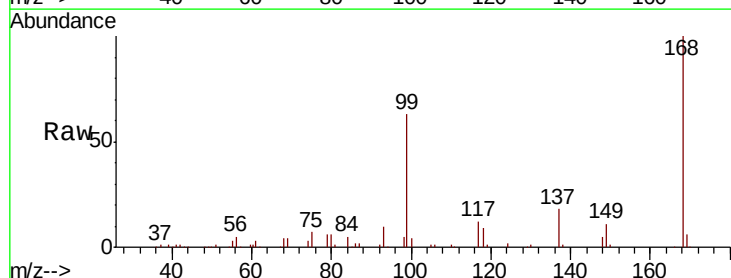
Instrument :
MSVOA_W
ClientSampleId :
P001-SD005-0612-01RE

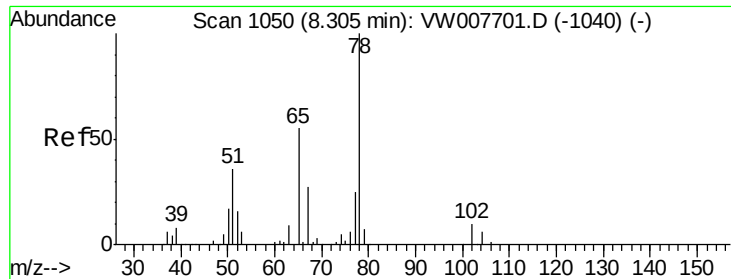
Tot Ion: 43 Resp: 5076
Ion Ratio Lower Upper
43 100
72 27.6 24.5 36.7



#31
Cyclohexane
Concen: 2.862 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007813.D
Acq: 21 Dec 2018 23:18

Tgt Ion: 56 Resp: 3272
Ion Ratio Lower Upper
56 100
69 96.1 29.7 44.5#
84 111.6 78.9 118.3

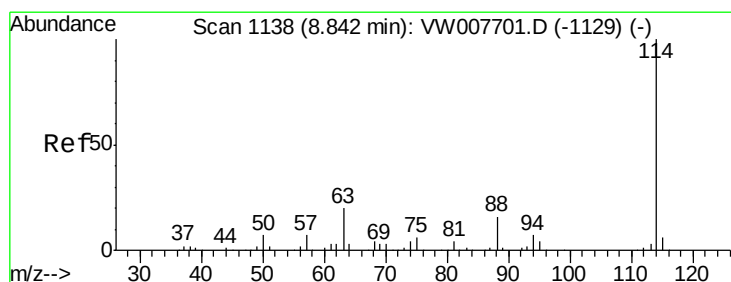
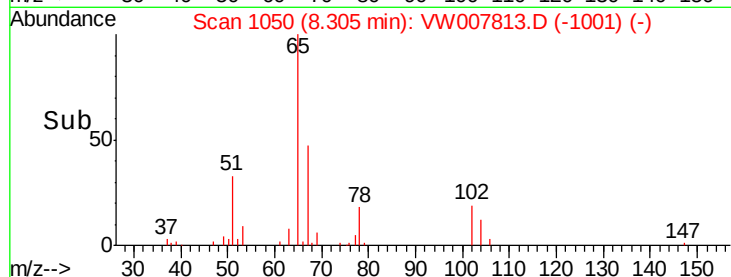
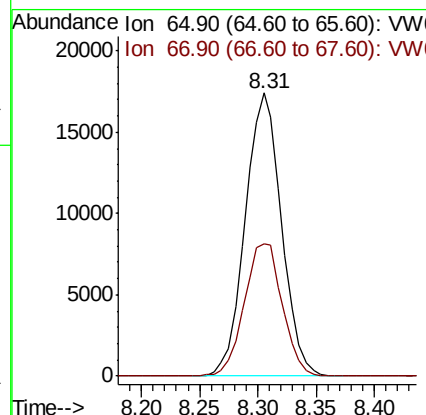
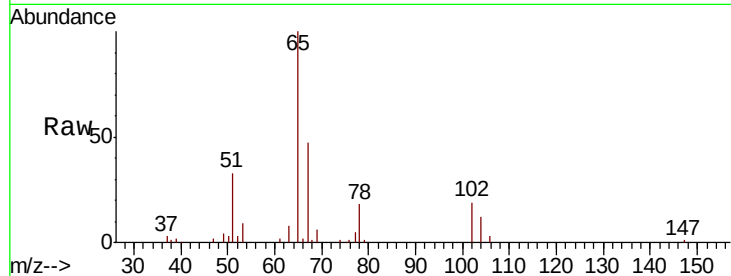




#33
 1,2-Dichloroethane-d4
 Concen: 49.147 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007813.D
 Acq: 21 Dec 2018 23:18

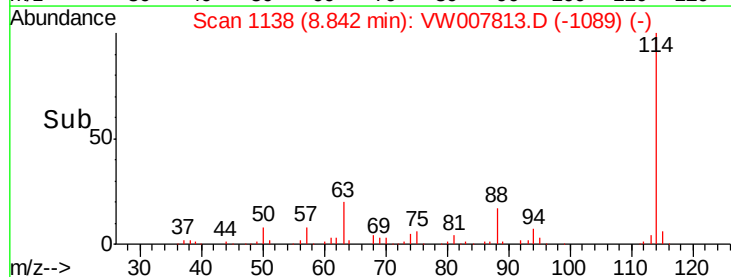
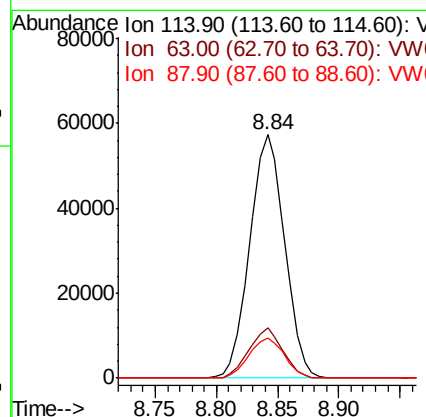
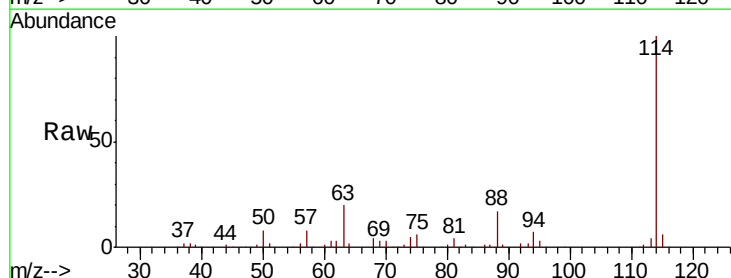
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD005-0612-01RE

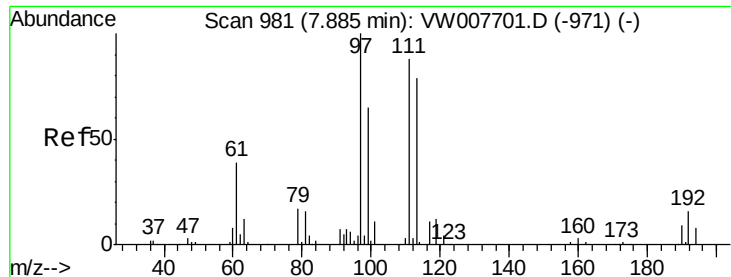
Tot Ion: 65 Resp: 37742
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007813.D
 Acq: 21 Dec 2018 23:18

Tgt Ion: 114 Resp: 113949
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.0
 88 16.7 0.0 32.6

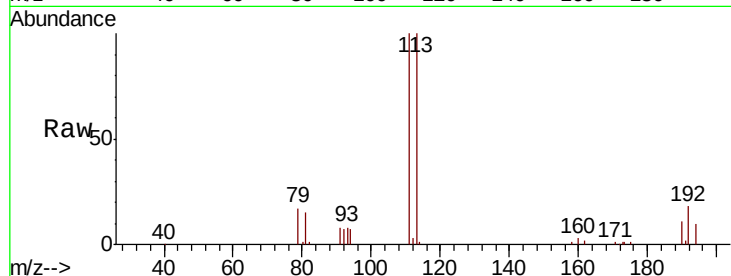




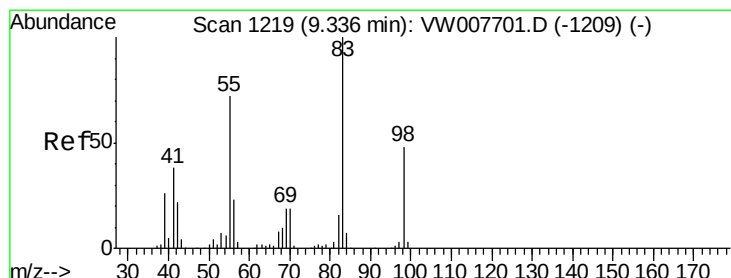
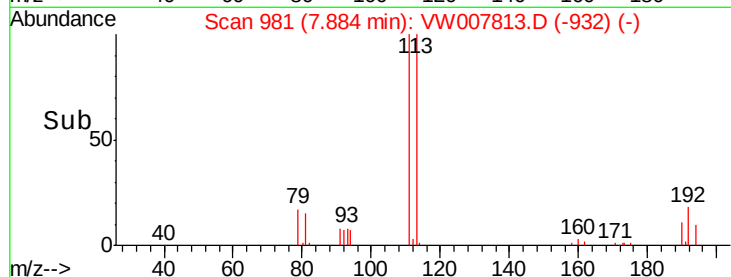
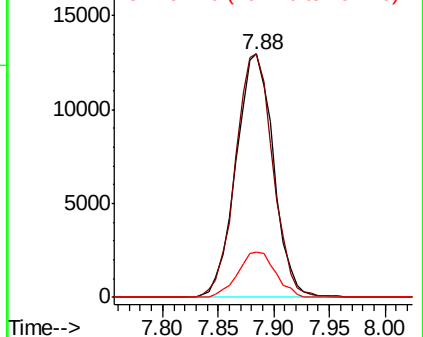
#35
Dibromofluoromethane
Concen: 43.494 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007813.D
Acq: 21 Dec 2018 23:18

Instrument :
MSVOA_W
ClientSampleId :
P001-SD005-0612-01RE

Tot Ion:113 Resp: 30235
Ion Ratio Lower Upper
113 100
111 100.1 82.6 124.0
192 18.7 15.5 23.3

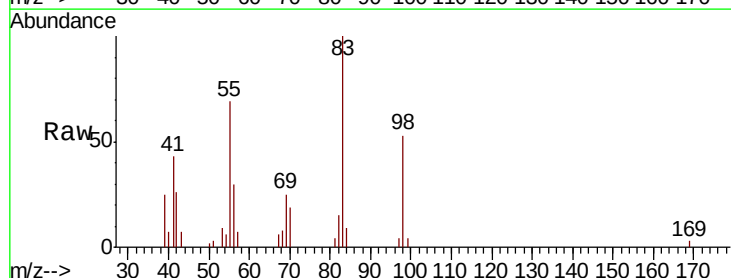


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

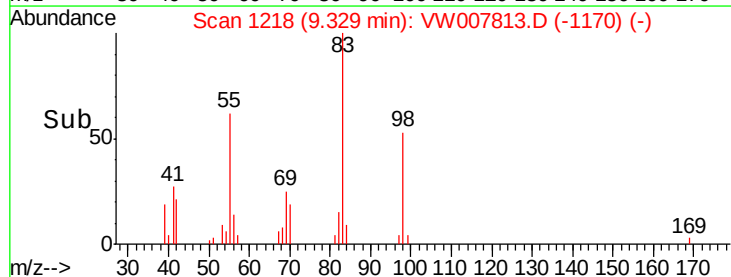
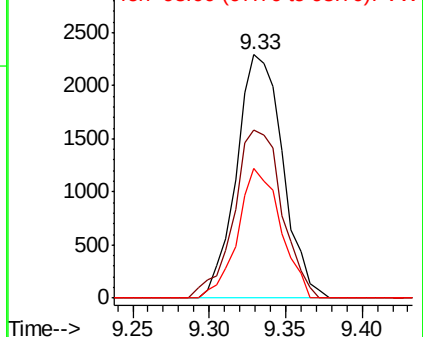


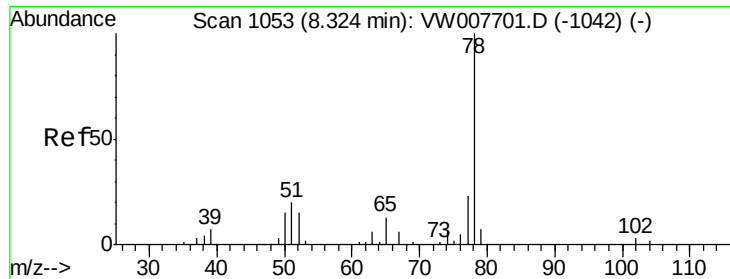
#39
Methylcyclohexane
Concen: 3.523 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW007813.D
Acq: 21 Dec 2018 23:18

Tgt Ion: 83 Resp: 4814
Ion Ratio Lower Upper
83 100
55 68.9 57.2 85.8
98 53.0 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 4.656 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW007813.D

Acq: 21 Dec 2018 23:18

Instrument :

MSVOA_W

ClientSampleId :

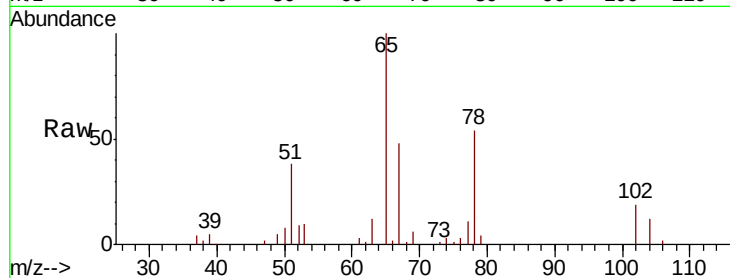
P001-SD005-0612-01RE

Tot Ion: 78 Resp: 13664

Ion Ratio Lower Upper

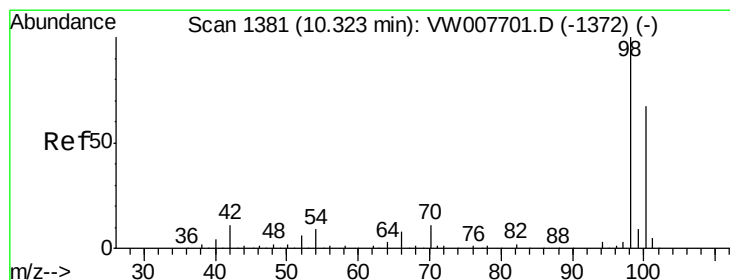
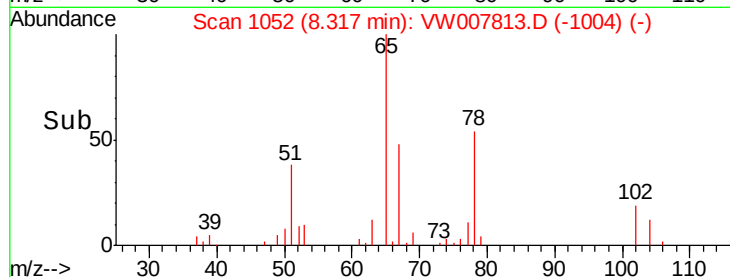
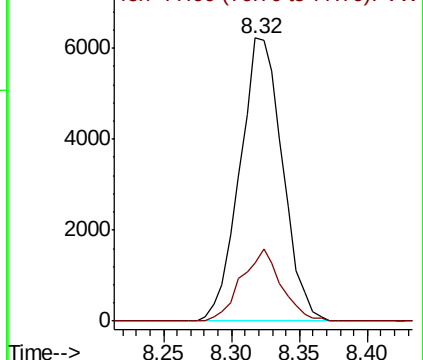
78 100

77 20.4 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#50

Toluene-d8

Concen: 39.456 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007813.D

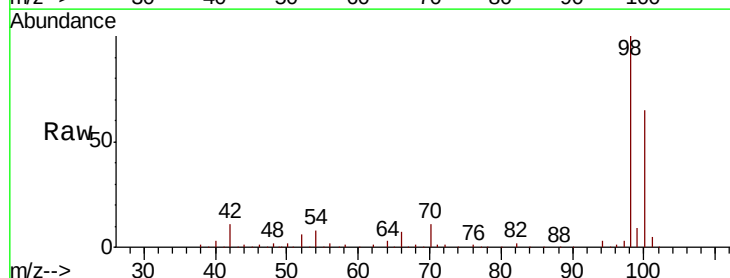
Acq: 21 Dec 2018 23:18

Tgt Ion: 98 Resp: 103399

Ion Ratio Lower Upper

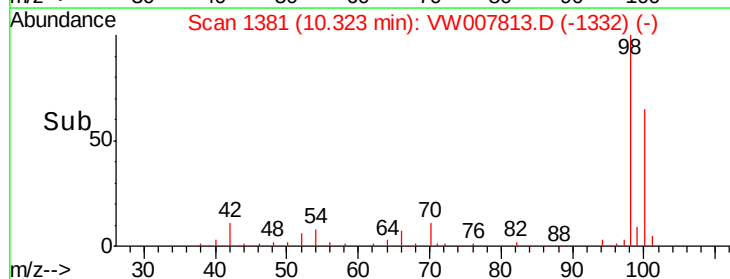
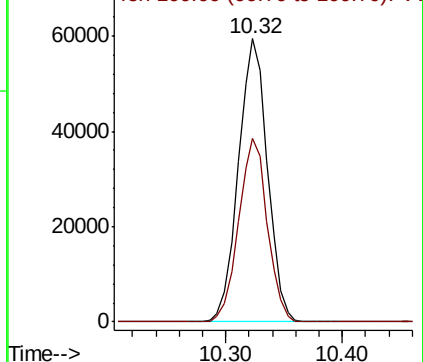
98 100

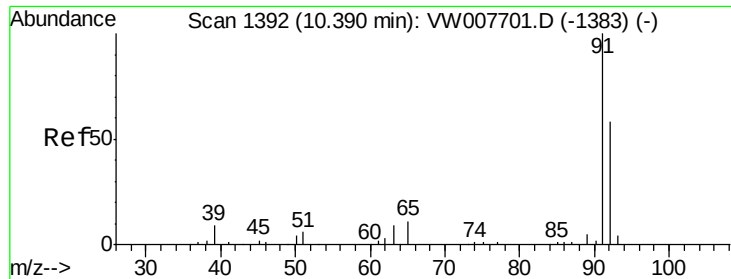
100 64.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.979 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007813.D

Acq: 21 Dec 2018 23:18

Instrument :

MSVOA_W

ClientSampleId :

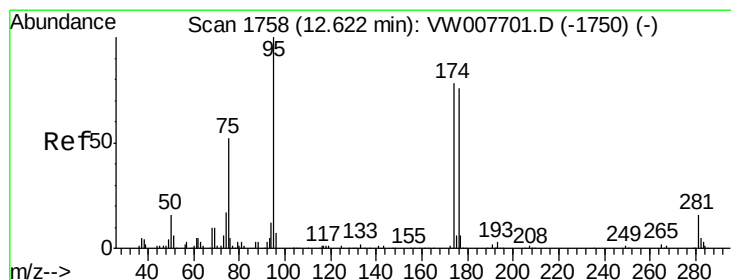
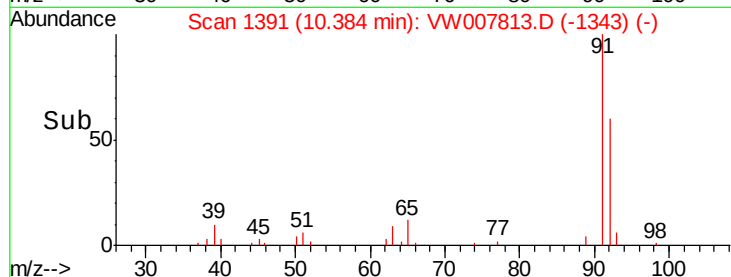
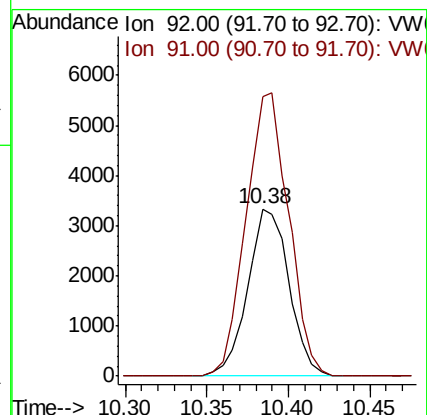
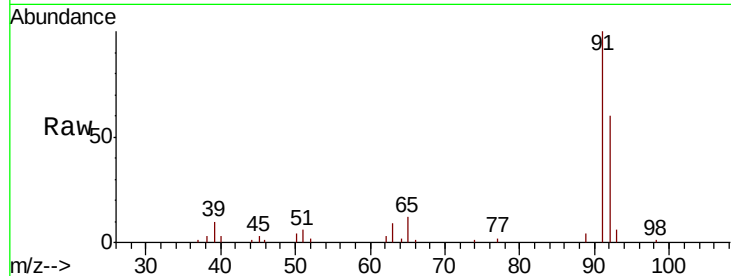
P001-SD005-0612-01RE

Tot Ion: 92 Resp: 5866

Ion Ratio Lower Upper

92 100

91 175.0 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 28.087 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007813.D

Acq: 21 Dec 2018 23:18

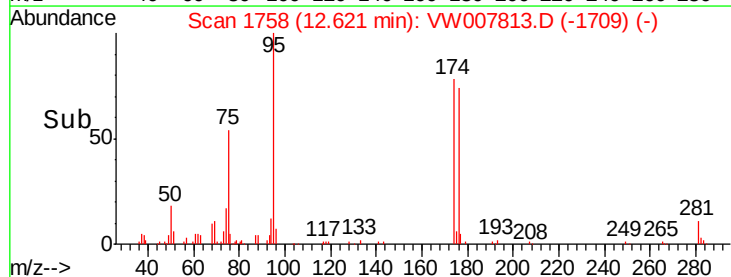
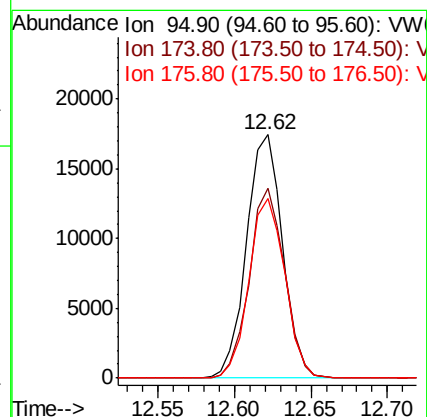
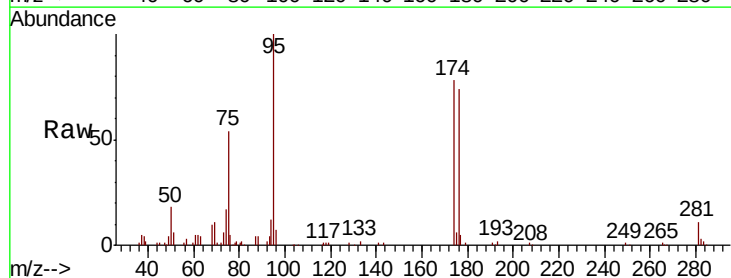
Tgt Ion: 95 Resp: 28435

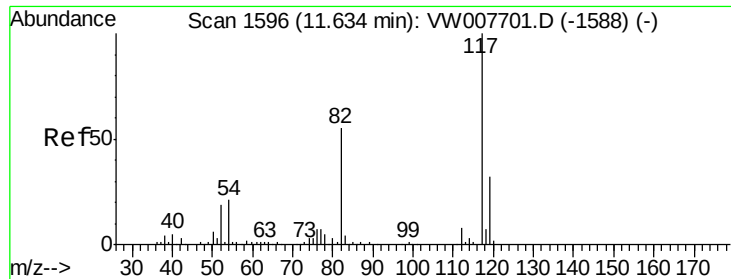
Ion Ratio Lower Upper

95 100

174 76.6 0.0 152.2

176 73.8 0.0 146.8

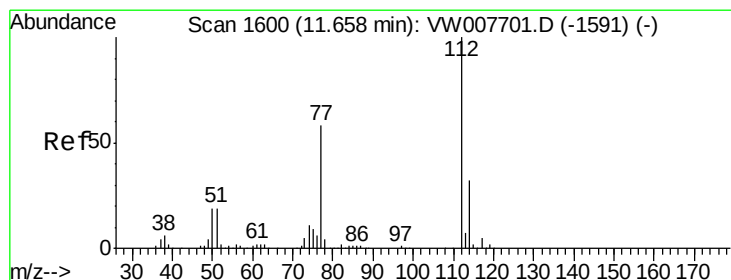
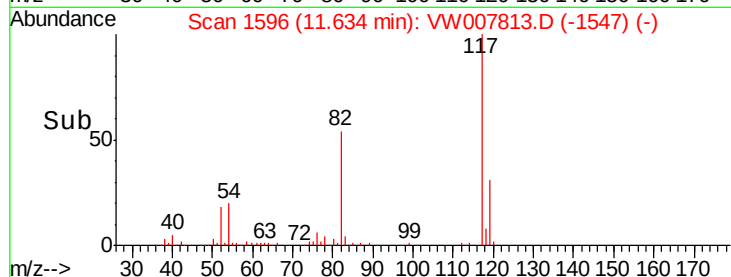
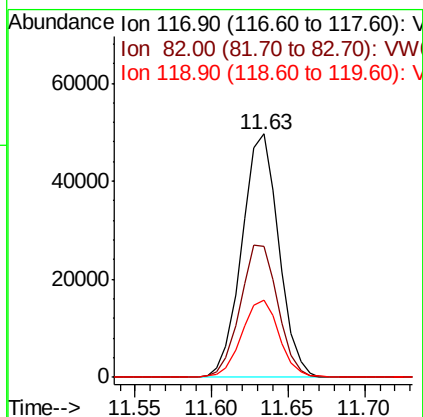
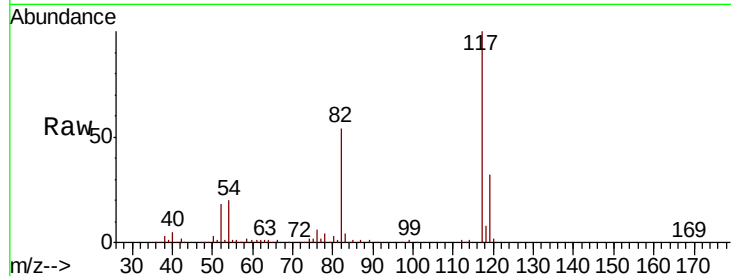




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007813.D
Acq: 21 Dec 2018 23:18

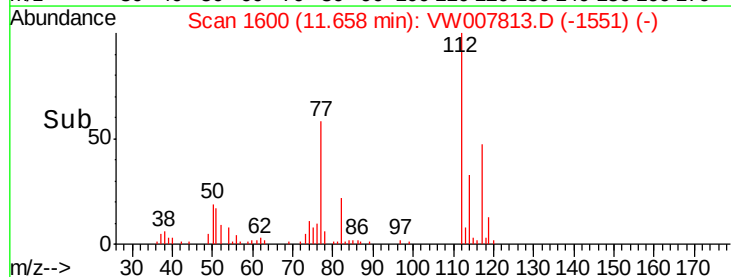
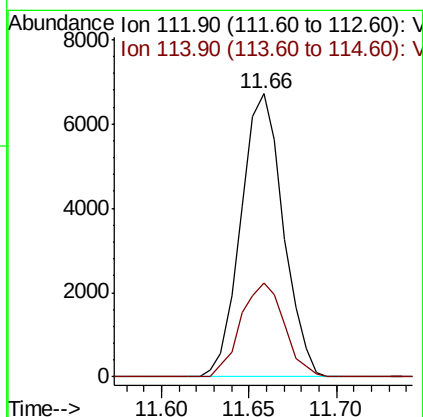
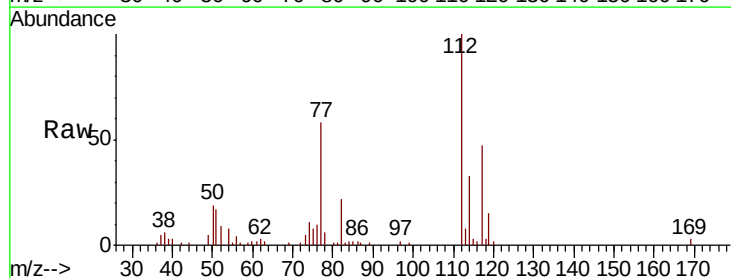
Instrument :
MSVOA_W
ClientSampleId :
P001-SD005-0612-01RE

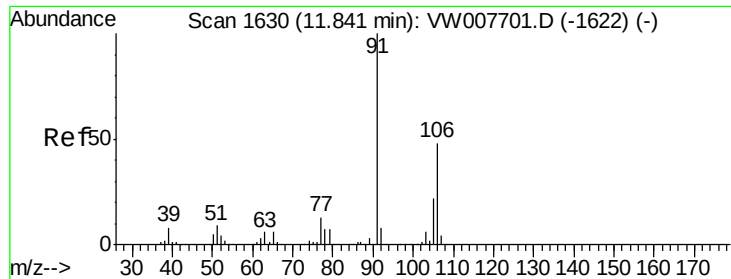
Tot Ion:117 Resp: 83114
Ion Ratio Lower Upper
117 100
82 53.6 44.3 66.5
119 31.4 25.7 38.5



#65
Chlorobenzene
Concen: 6.292 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007813.D
Acq: 21 Dec 2018 23:18

Tgt Ion:112 Resp: 11319
Ion Ratio Lower Upper
112 100
114 33.1 25.2 37.8





#68

m/p-Xylenes

Concen: 240.535 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW007813.D

Acq: 21 Dec 2018 23:18

Instrument :

MSVOA_W

ClientSampleId :

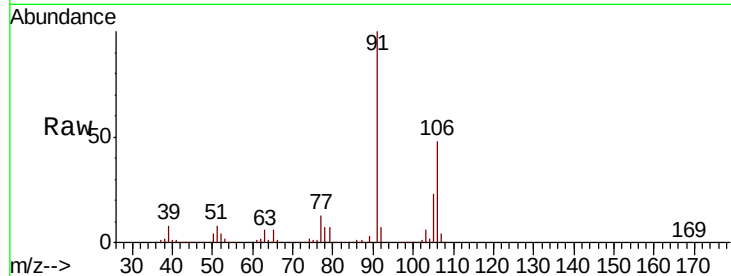
P001-SD005-0612-01RE

Tot Ion:106 Resp: 288037

Ion Ratio Lower Upper

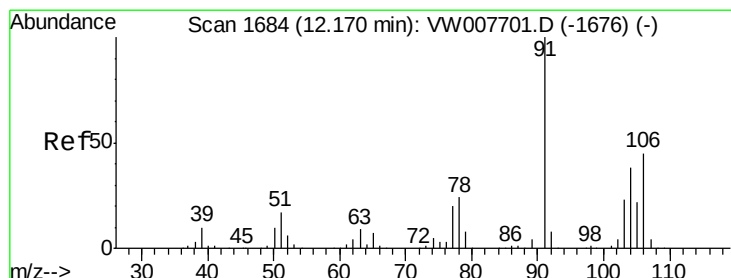
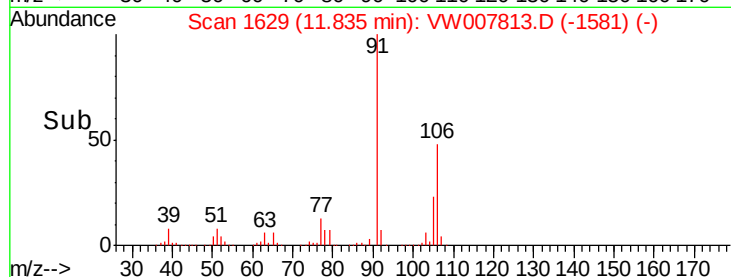
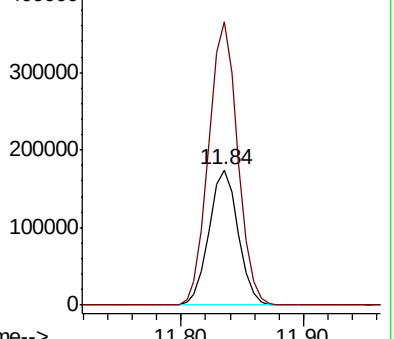
106 100

91 208.6 165.2 247.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 1.079 ug/l

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW007813.D

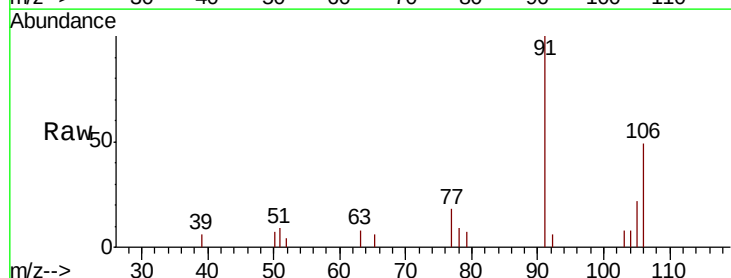
Acq: 21 Dec 2018 23:18

Tgt Ion:106 Resp: 1211

Ion Ratio Lower Upper

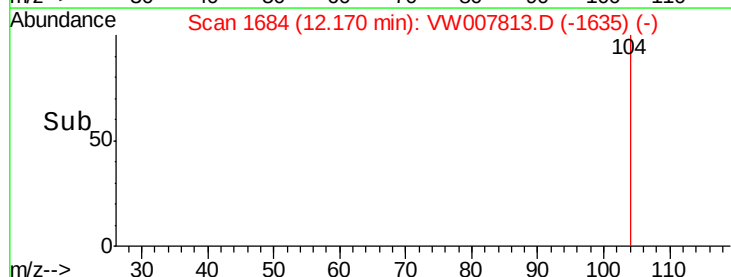
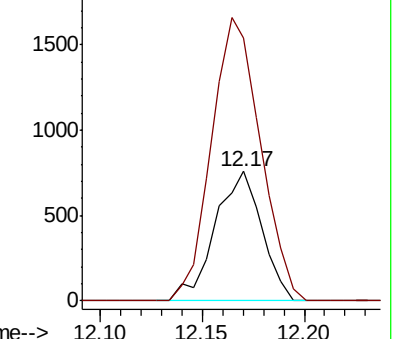
106 100

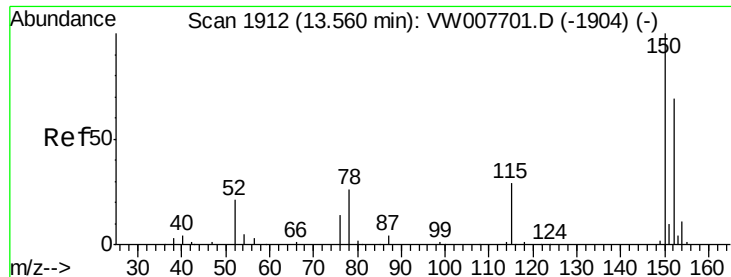
91 228.8 110.5 331.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): 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: VW007813.D

Acq: 21 Dec 2018 23:18

Instrument :

MSVOA_W

ClientSampleId :

P001-SD005-0612-01RE

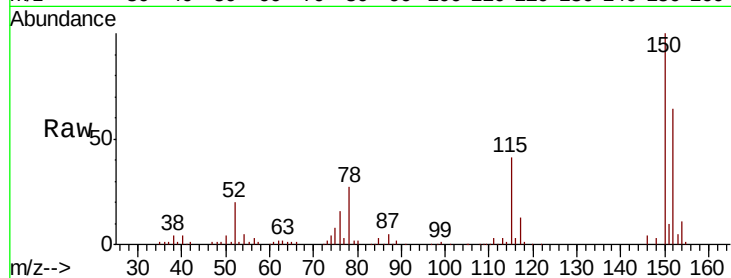
Tot Ion:152 Resp: 27718

Ion Ratio Lower Upper

152 100

115 64.4 31.8 95.4

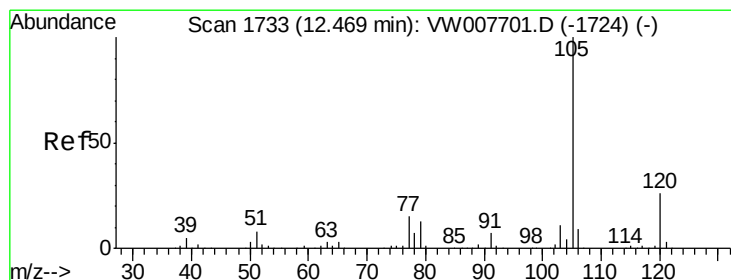
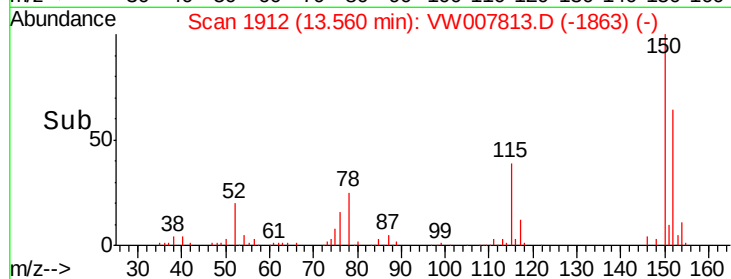
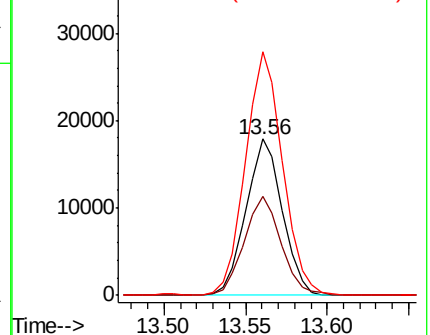
150 159.9 0.0 350.8



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



#73

Isopropylbenzene

Concen: 1.038 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007813.D

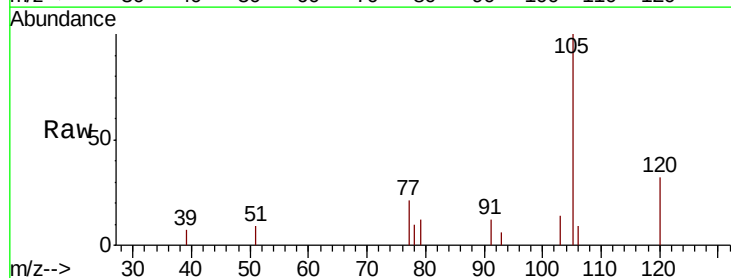
Acq: 21 Dec 2018 23:18

Tgt Ion:105 Resp: 2175

Ion Ratio Lower Upper

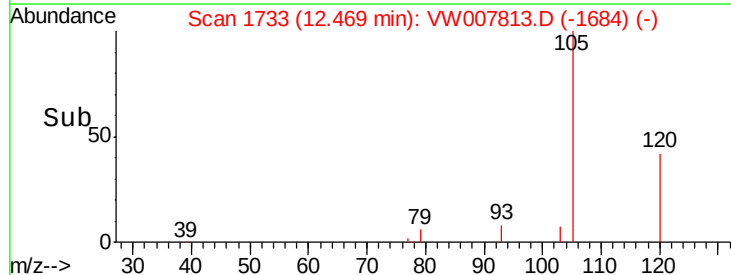
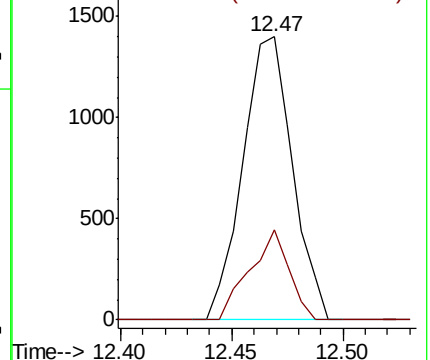
105 100

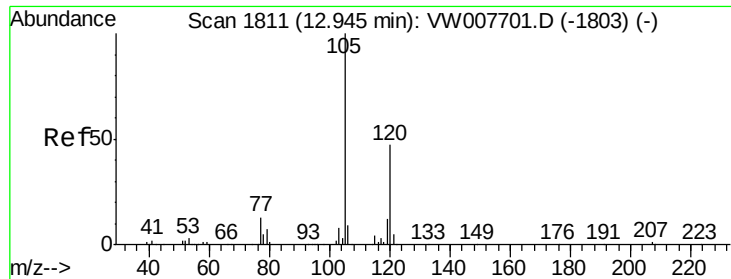
120 25.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

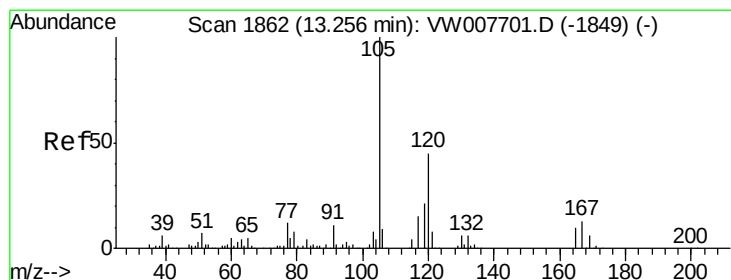
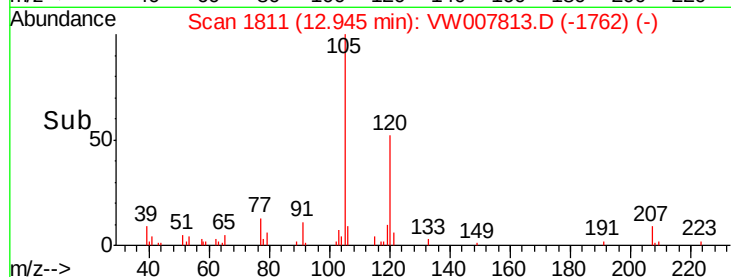
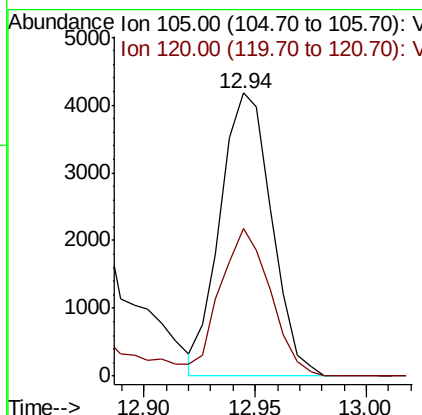
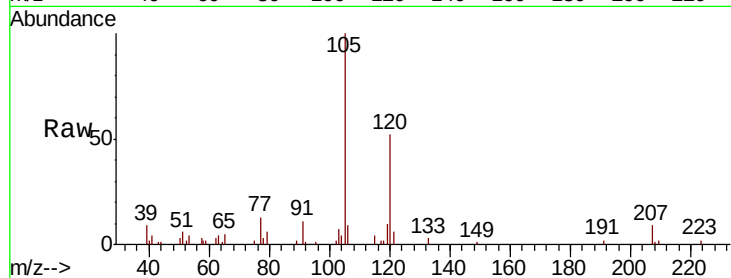




#80
 1,3,5-Trimethylbenzene
 Concen: 3.713 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007813.D
 Acq: 21 Dec 2018 23:18

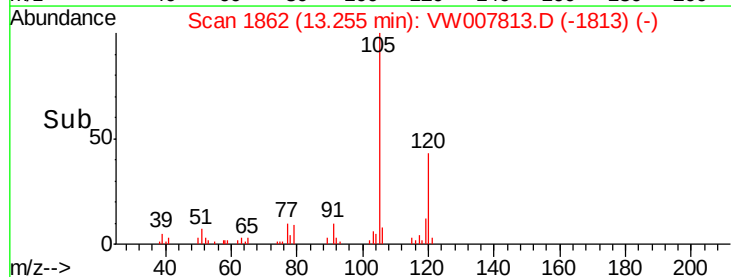
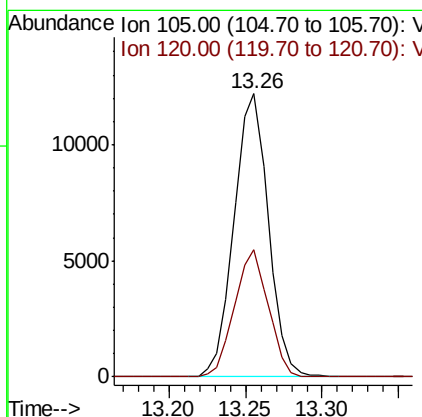
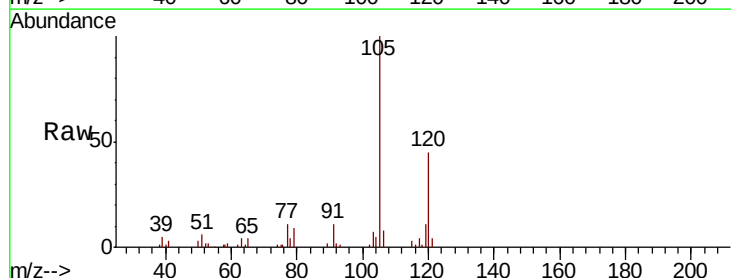
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD005-0612-01RE

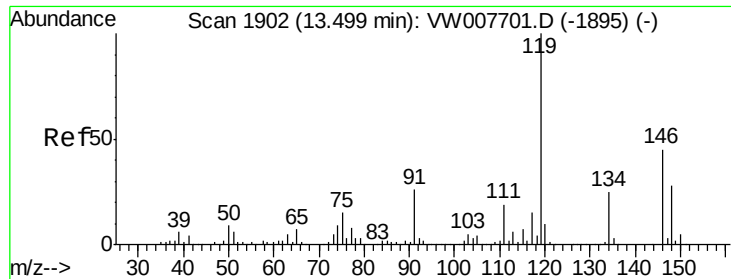
Tot Ion:105 Resp: 6711
 Ion Ratio Lower Upper
 105 100
 120 51.9 23.6 70.8



#84
 1,2,4-Trimethylbenzene
 Concen: 10.405 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007813.D
 Acq: 21 Dec 2018 23:18

Tgt Ion:105 Resp: 18975
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.0 66.0





#87

1,3-Dichlorobenzene

Concen: 2.130 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW007813.D

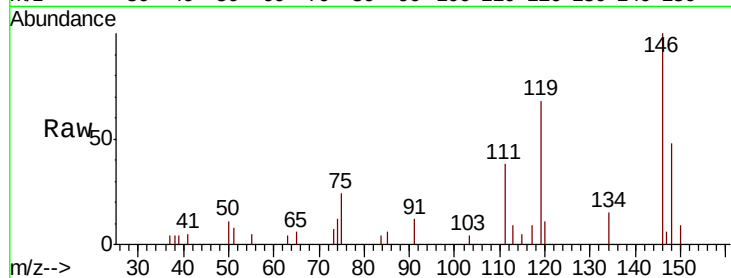
Acq: 21 Dec 2018 23:18

Instrument :
MSVOA_W

ClientSampleId :
P001-SD005-0612-01RE

Tot Ion:146 Resp: 2031

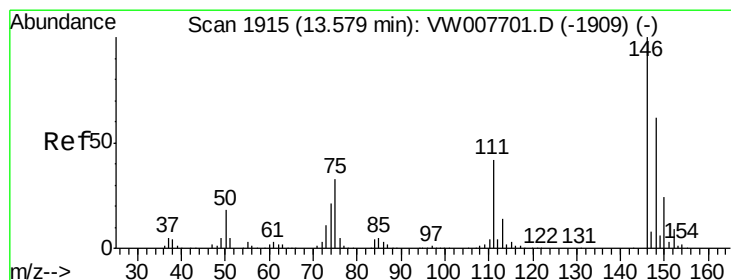
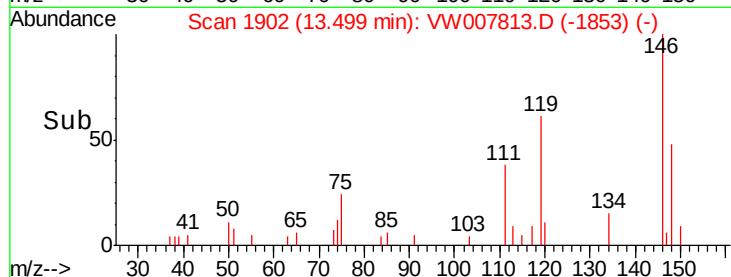
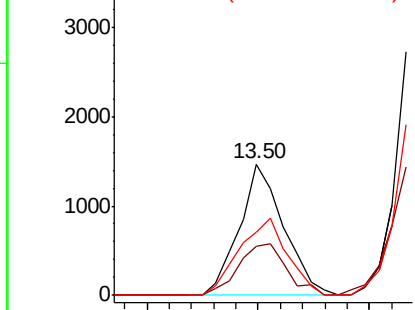
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	64.1	32.1	96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 13.572 ug/l

RT: 13.58 min Scan# 1916

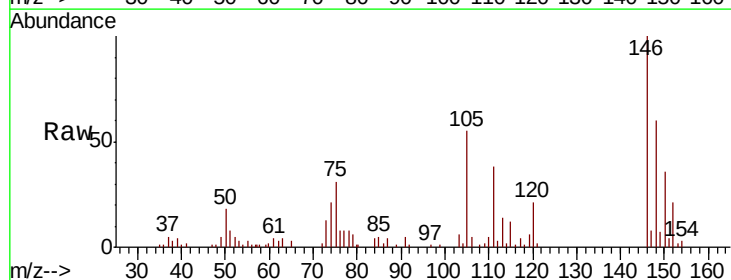
Delta R.T. 0.01 min

Lab File: VW007813.D

Acq: 21 Dec 2018 23:18

Tgt Ion:146 Resp: 12943

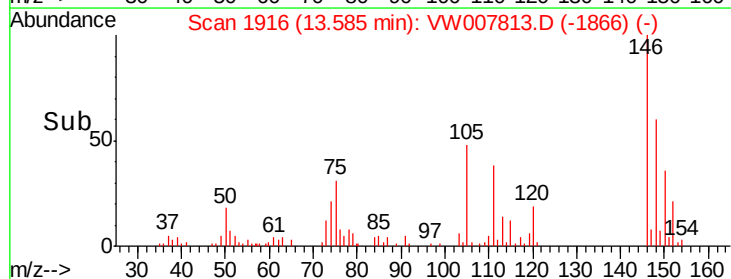
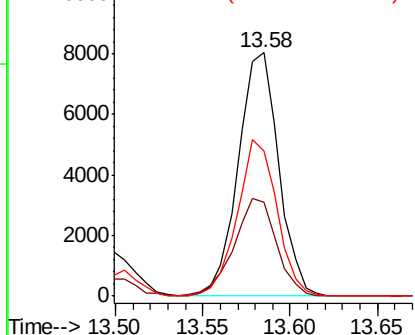
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	63.1	31.8	95.4

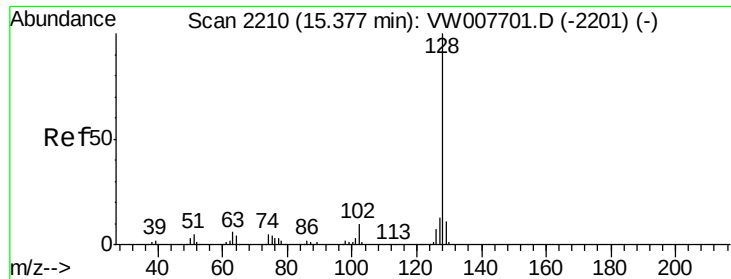


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95
Naphthalene
Concen: 6.887 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007813.D
Acq: 21 Dec 2018 23:18

Instrument :
MSVOA_W
ClientSampleId :
P001-SD005-0612-01RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.7	16.1
129	10.9	8.8	13.2

