

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU122218\
 Data File : VU028921.D
 Acq On : 22 Dec 2018 17:49
 Operator : MD/SY
 Sample : J6426-09ME 10X
 Misc : 5.25g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013-3638-01ME

Quant Time: Jan 08 08:45:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	187643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	305115	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	129750	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	106636	37.24	ug/l	0.00
Spiked Amount			Recovery	=	74.48%	
35) Dibromofluoromethane	4.88	113	94885	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	7.57	98	379162	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	10.30	95	132869	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	

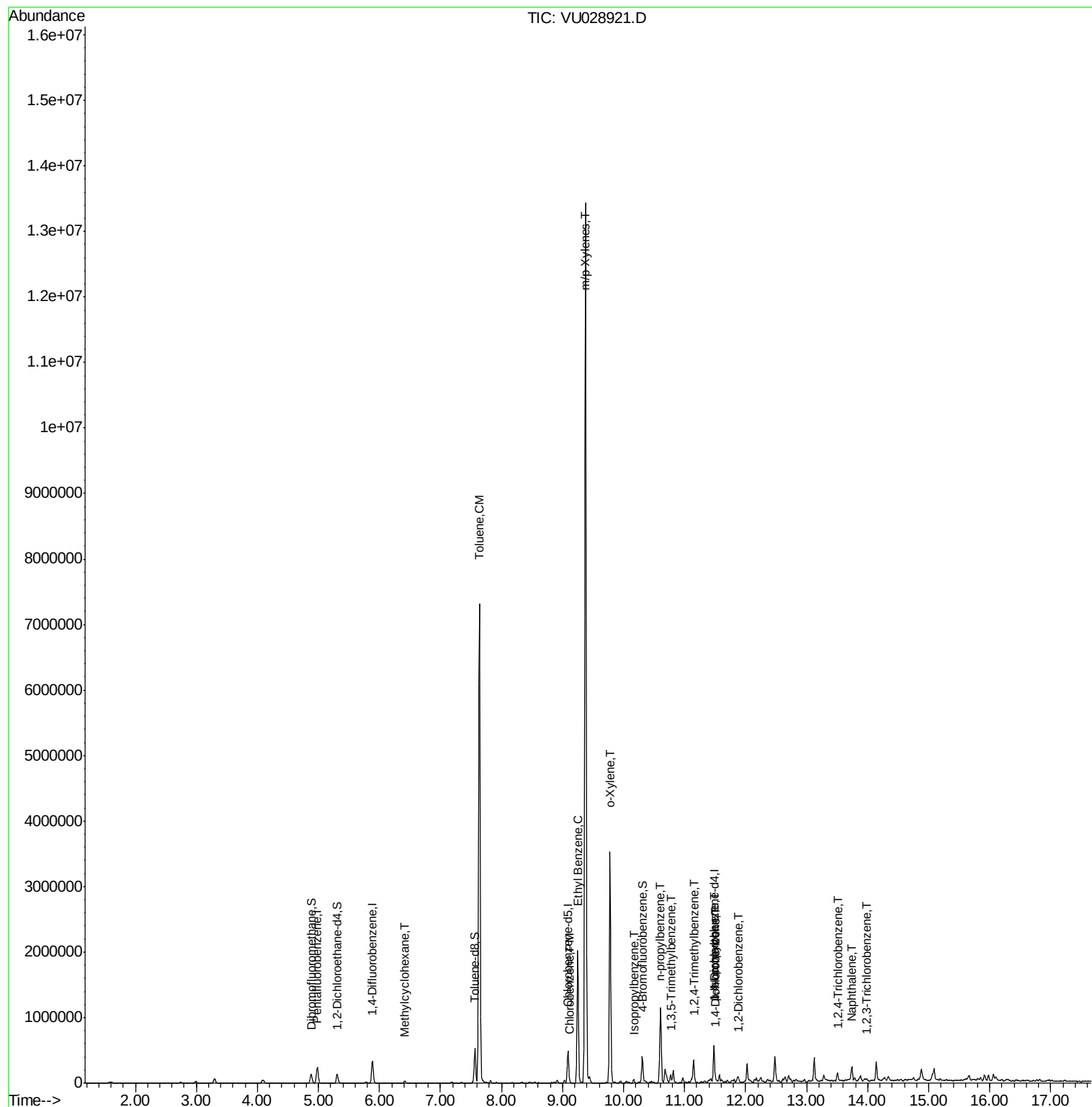
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	6.41	83	14435	3.544	ug/l	88
52) Toluene	7.64	92	3197491	552.503	ug/l	98
65) Chlorobenzene	9.12	112	5842	0.978	ug/l	95
67) Ethyl Benzene	9.25	91	1485567	135.278	ug/l	98
68) m/p-Xylenes	9.38	106	3847357	962.821	ug/l	94
69) o-Xylene	9.78	106	963185	248.037	ug/l	94
73) Isopropylbenzene	10.17	105	32859	3.300	ug/l	97
78) n-propylbenzene	10.59	91	60227	4.868	ug/l	93
80) 1,3,5-Trimethylbenzene	10.77	105	61863	7.506	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	184932	21.773	ug/l	96
86) p-Isopropyltoluene	11.48	119	46189	5.328	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	9920	2.181	ug/l	86
91) 1,2-Dichlorobenzene	11.88	146	3968	0.902	ug/l	95
93) 1,2,4-Trichlorobenzene	13.50	180	29712	10.509	ug/l	97
95) Naphthalene	13.74	128	156811	14.859	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	8148	2.848	ug/l #	79

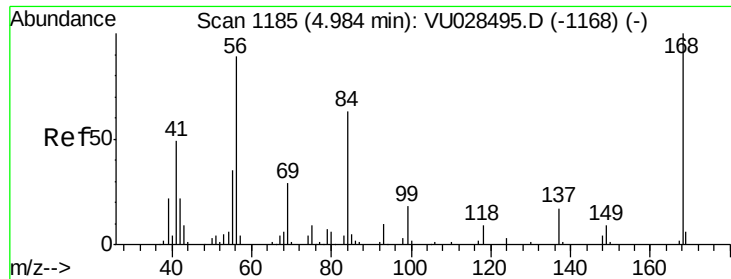
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028921.D

Acq: 22 Dec 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

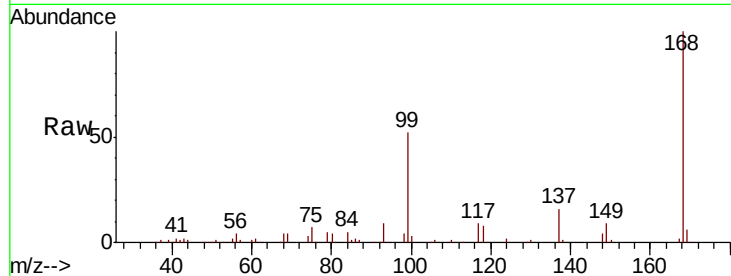
P001-SS013-3638-01ME

Tot Ion:168 Resp: 187643

Ion Ratio Lower Upper

168 100

99 52.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

80000

60000

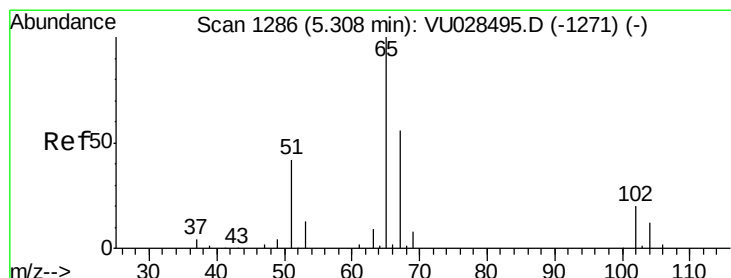
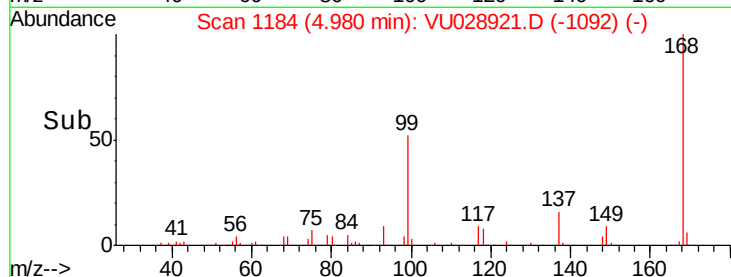
40000

20000

0

4.90 5.00 5.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 37.239 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU028921.D

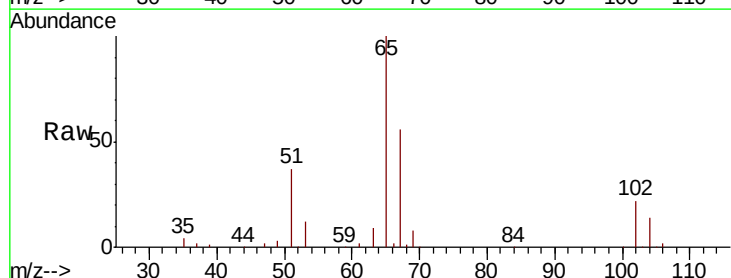
Acq: 22 Dec 2018 17:49

Tgt Ion: 65 Resp: 106636

Ion Ratio Lower Upper

65 100

67 55.7 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

5.31

60000

50000

40000

30000

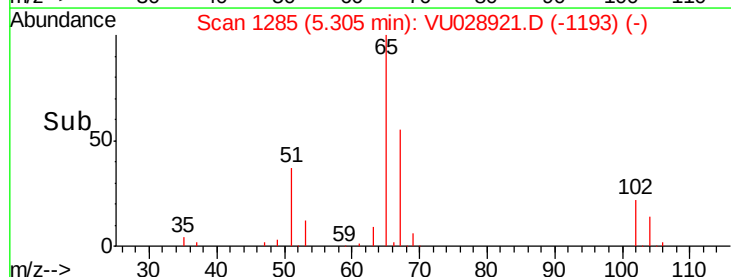
20000

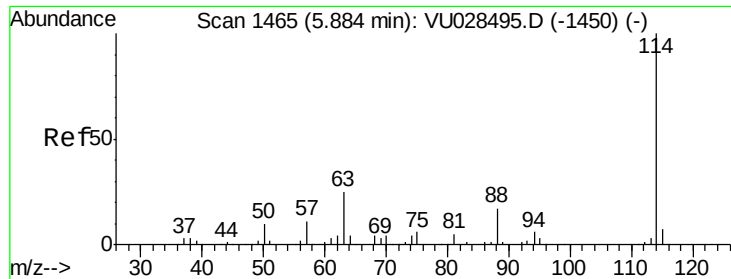
10000

0

5.20 5.30 5.40

Time-->

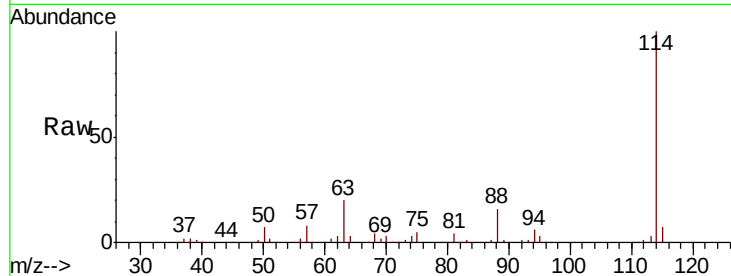




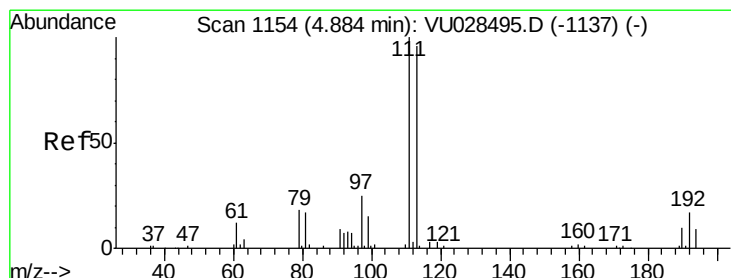
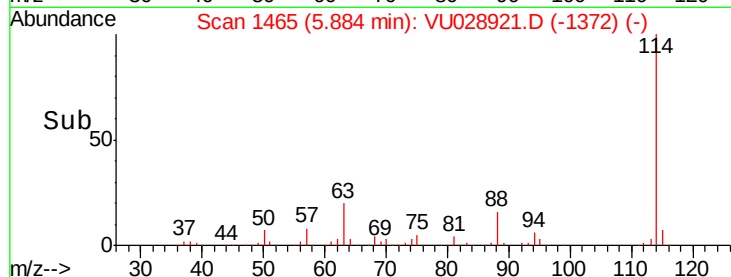
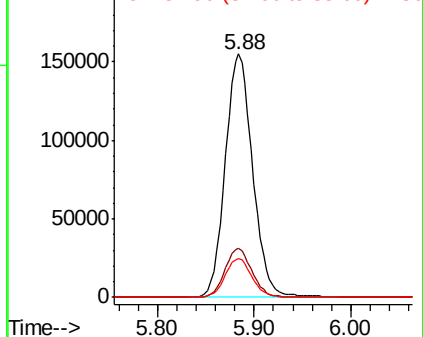
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028921.D
 Acq: 22 Dec 2018 17:49

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013-3638-01ME

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	49.2
88	15.8	0.0	33.4

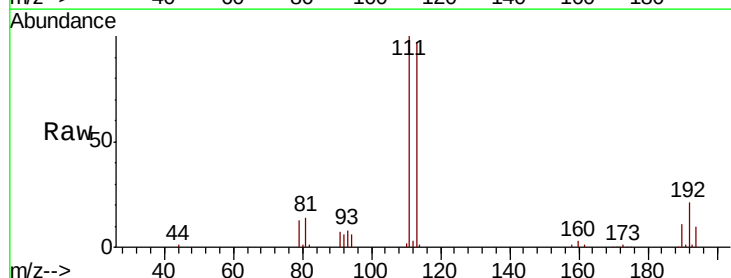


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

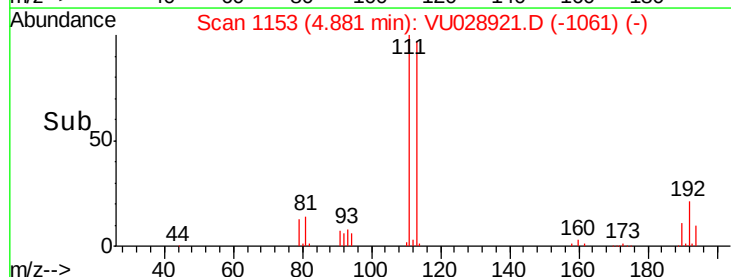
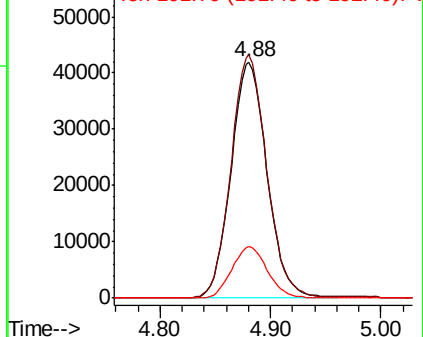


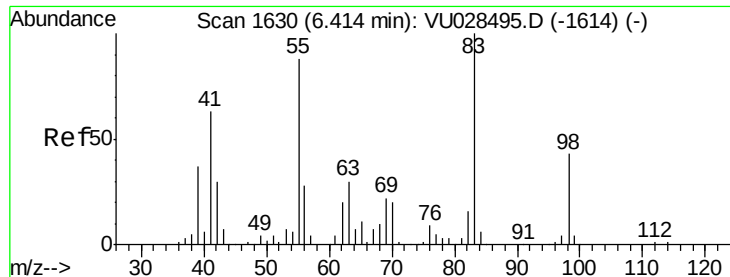
#35
 Dibromofluoromethane
 Concen: 49.416 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028921.D
 Acq: 22 Dec 2018 17:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.4	125.0
192	21.5	14.8	22.2



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: 3.544 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028921.D

Acq: 22 Dec 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013-3638-01ME

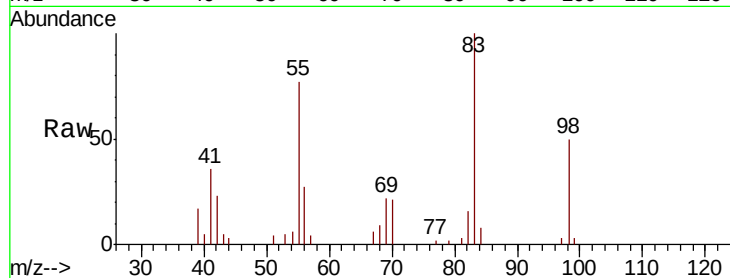
Tot Ion: 83 Resp: 14435

Ion Ratio Lower Upper

83 100

55 76.7 70.2 105.2

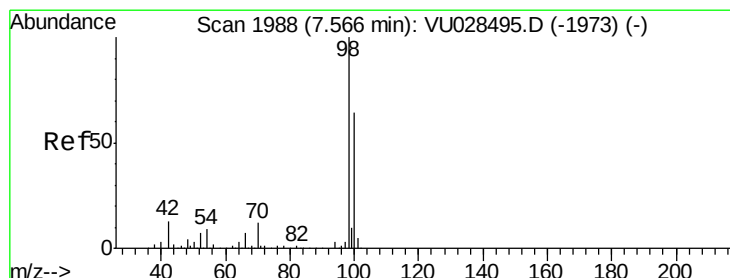
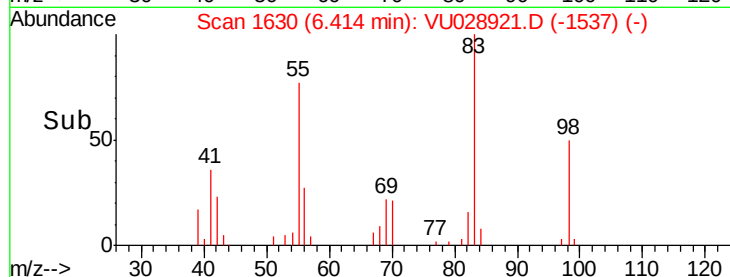
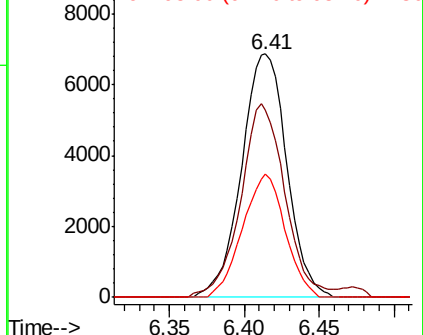
98 50.5 34.2 51.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#50

Toluene-d8

Concen: 49.919 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028921.D

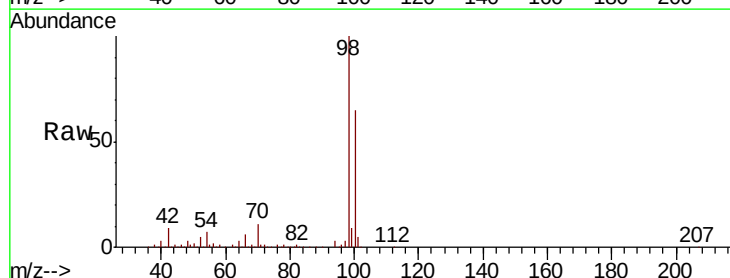
Acq: 22 Dec 2018 17:49

Tgt Ion: 98 Resp: 379162

Ion Ratio Lower Upper

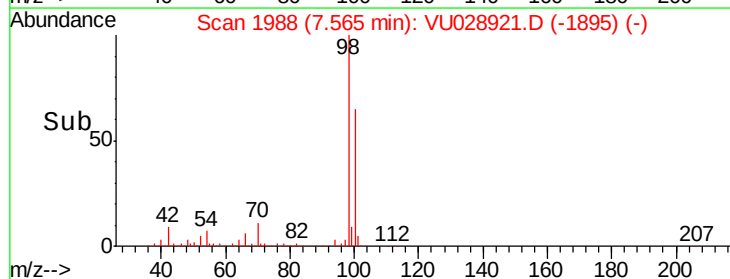
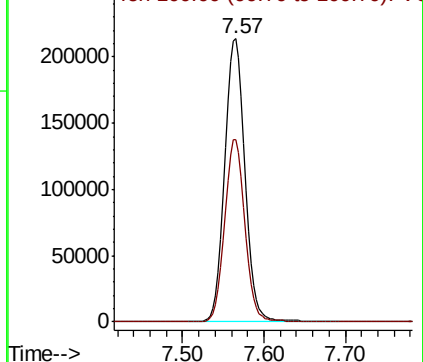
98 100

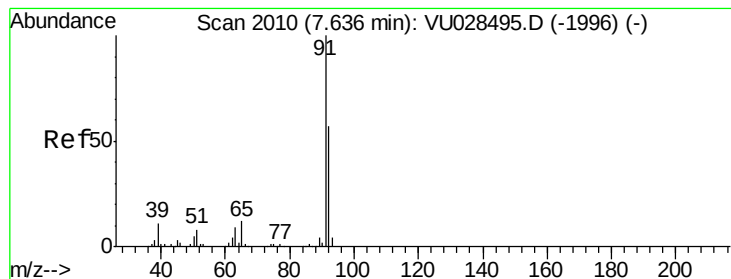
100 64.1 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Toluene

Concen: 552.503 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028921.D

Acq: 22 Dec 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

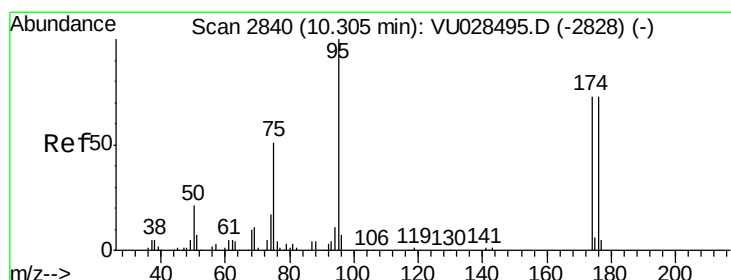
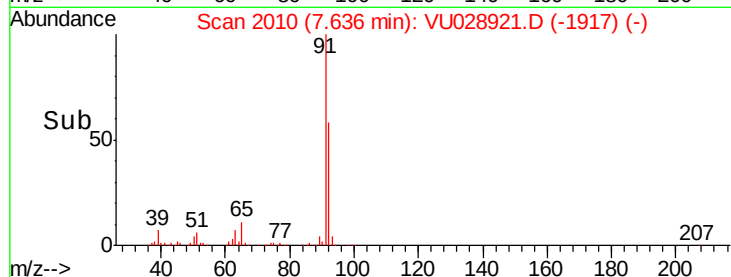
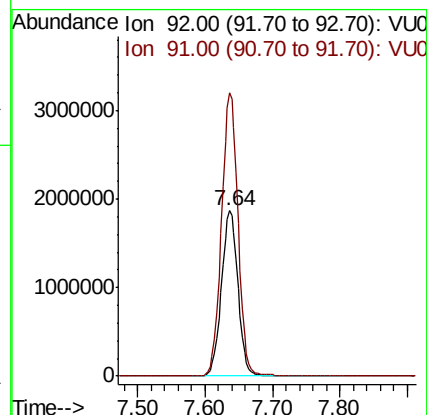
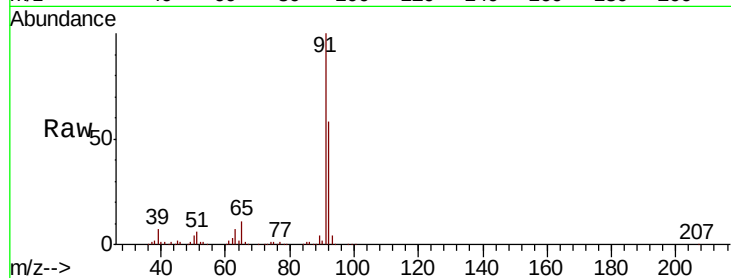
P001-SS013-3638-01ME

Tot Ion: 92 Resp: 3197491

Ion Ratio Lower Upper

92 100

91 172.1 140.2 210.4



#62

4-Bromofluorobenzene

Concen: 46.802 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028921.D

Acq: 22 Dec 2018 17:49

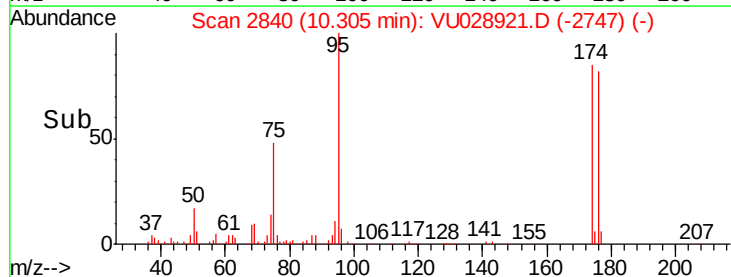
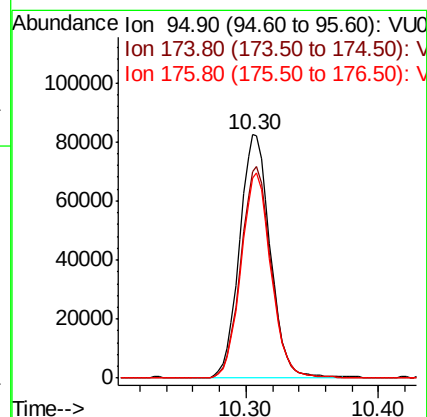
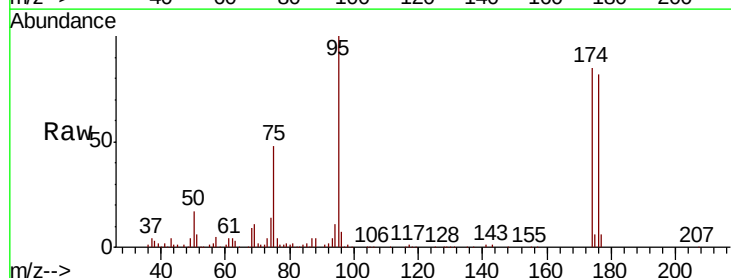
Tgt Ion: 95 Resp: 132869

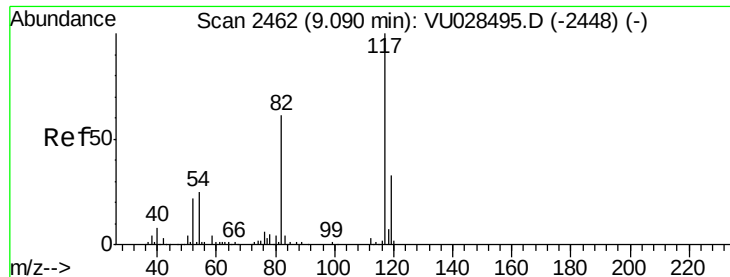
Ion Ratio Lower Upper

95 100

174 85.8 0.0 150.4

176 82.4 0.0 145.2

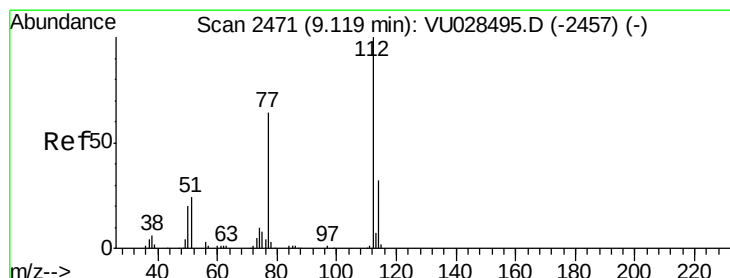
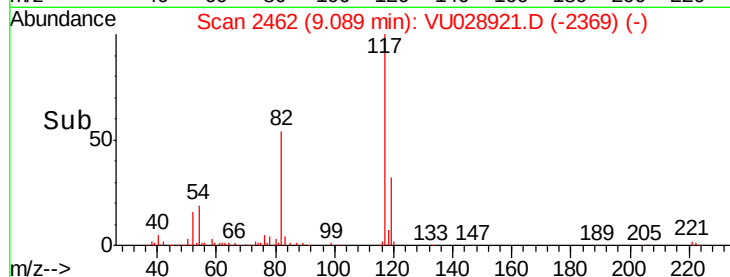
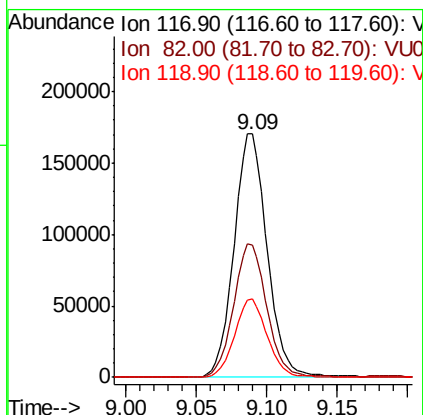
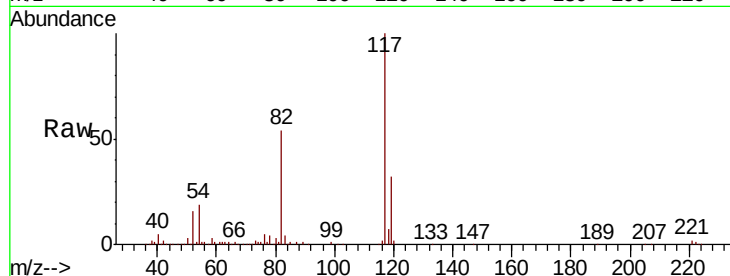




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028921.D
Acq: 22 Dec 2018 17:49

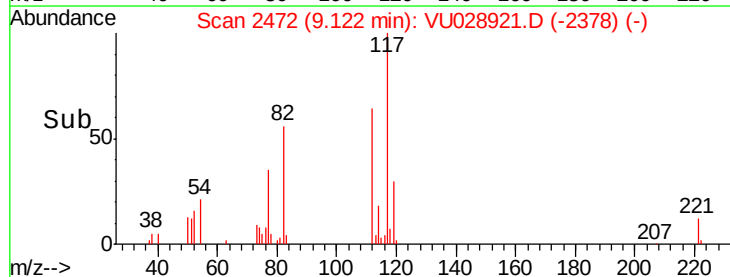
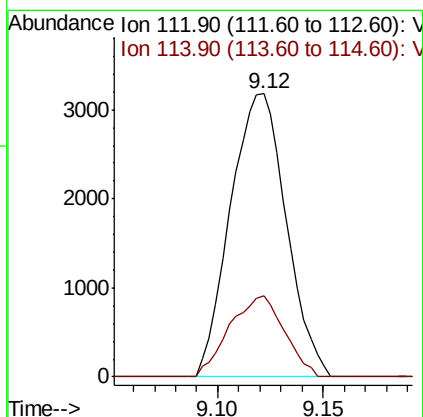
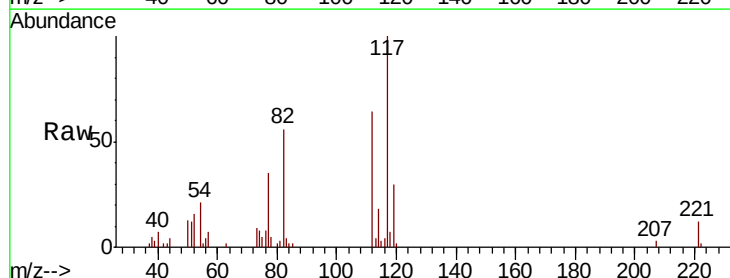
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013-3638-01ME

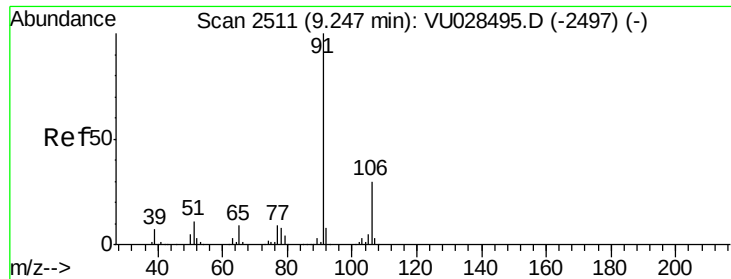
Tot Ion:117 Resp: 280338
Ion Ratio Lower Upper
117 100
82 54.5 48.9 73.3
119 32.0 26.2 39.4



#65
Chlorobenzene
Concen: 0.978 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU028921.D
Acq: 22 Dec 2018 17:49

Tgt Ion:112 Resp: 5842
Ion Ratio Lower Upper
112 100
114 28.6 25.3 37.9





#67

Ethyl Benzene

Concen: 135.278 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028921.D

Acq: 22 Dec 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

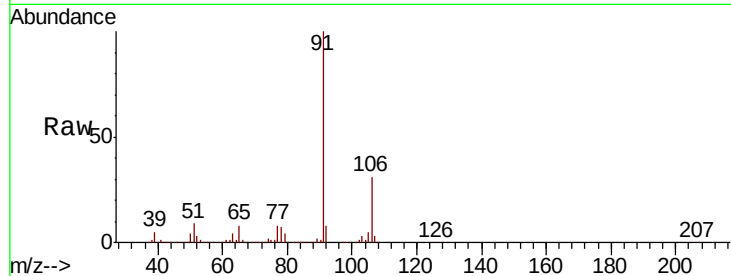
P001-SS013-3638-01ME

Tot Ion: 91 Resp: 1485567

Ion Ratio Lower Upper

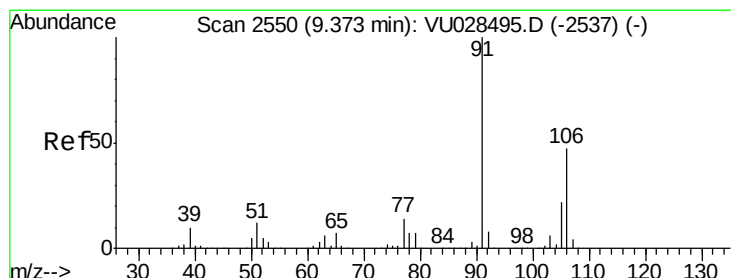
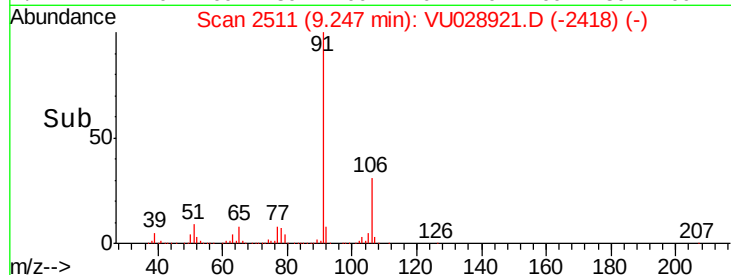
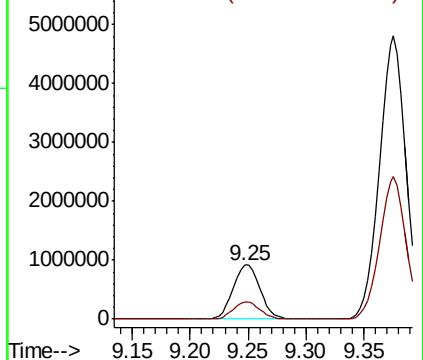
91 100

106 31.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 962.821 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028921.D

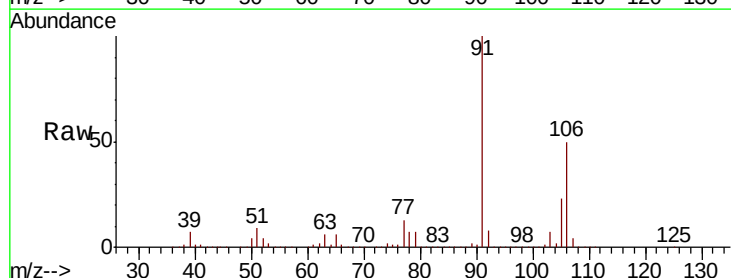
Acq: 22 Dec 2018 17:49

Tgt Ion:106 Resp: 3847357

Ion Ratio Lower Upper

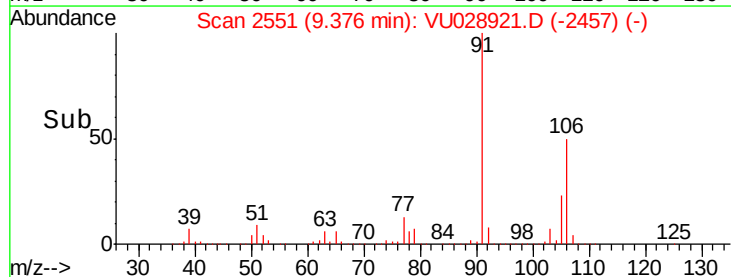
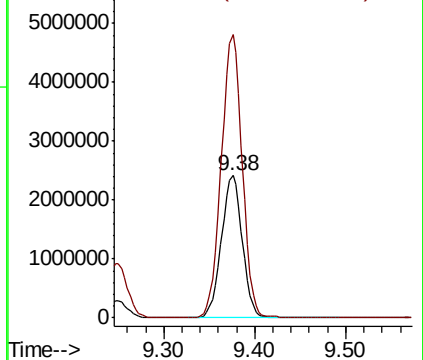
106 100

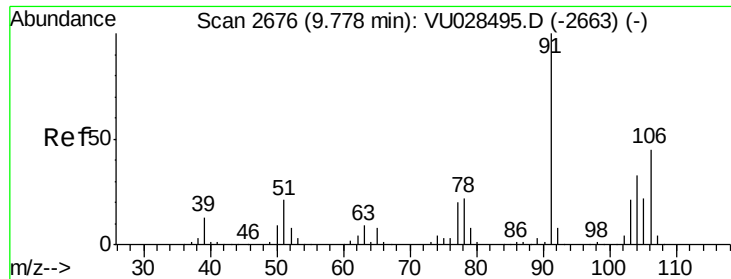
91 200.4 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

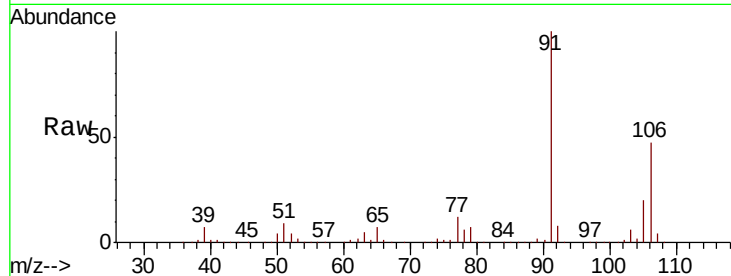




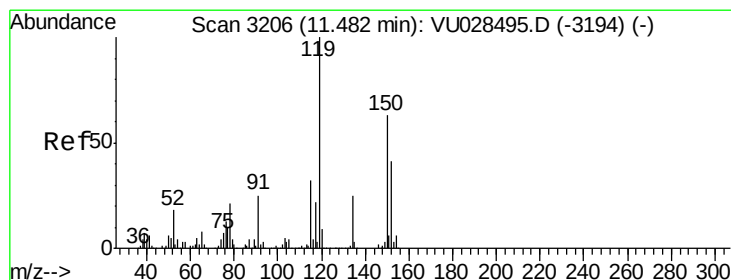
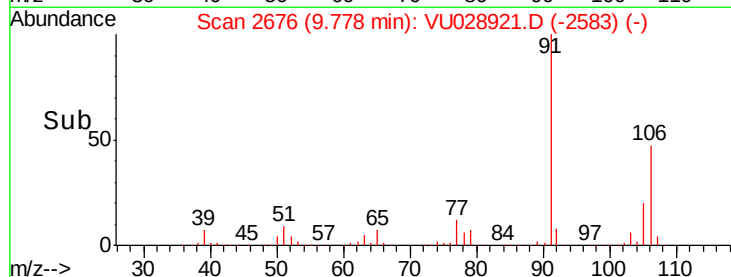
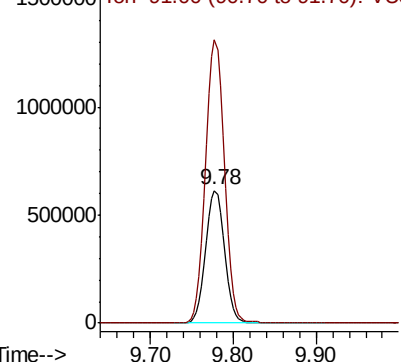
#69
o-Xylene
Concen: 248.037 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028921.D
Acq: 22 Dec 2018 17:49

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013-3638-01ME

Tot Ion:106 Resp: 963185
Ion Ratio Lower Upper
106 100
91 213.6 111.3 334.0

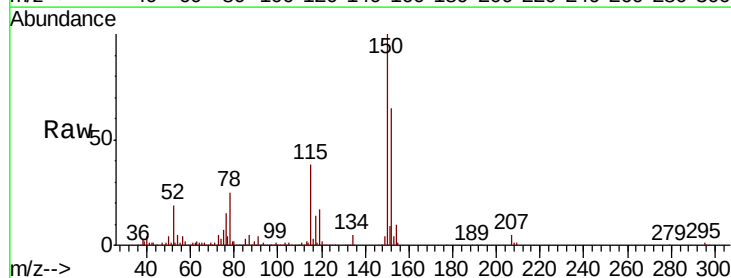


Abundance Ion 106.00 (105.70 to 106.70): V
1500000 Ion 91.00 (90.70 to 91.70): VU0

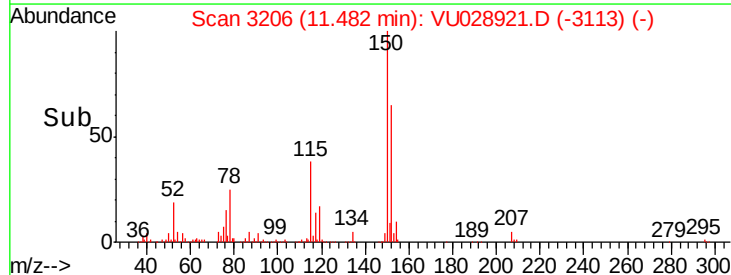
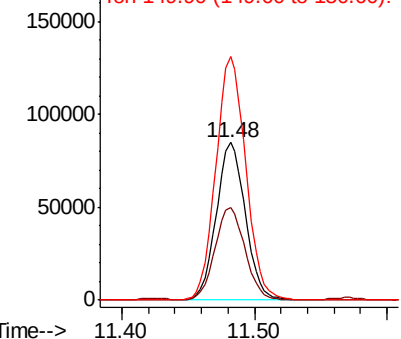


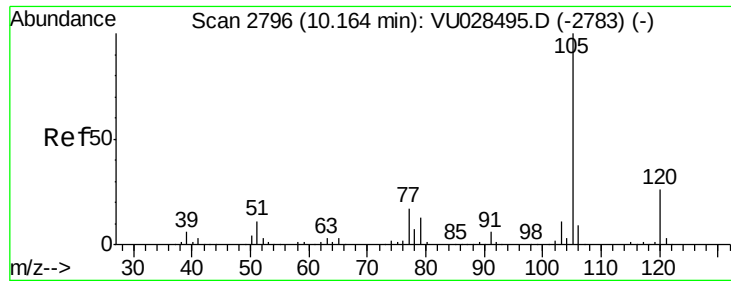
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028921.D
Acq: 22 Dec 2018 17:49

Tgt Ion:152 Resp: 129750
Ion Ratio Lower Upper
152 100
115 60.5 42.7 128.1
150 158.8 0.0 346.0



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





#73

Isopropylbenzene

Concen: 3.300 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028921.D

Acq: 22 Dec 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

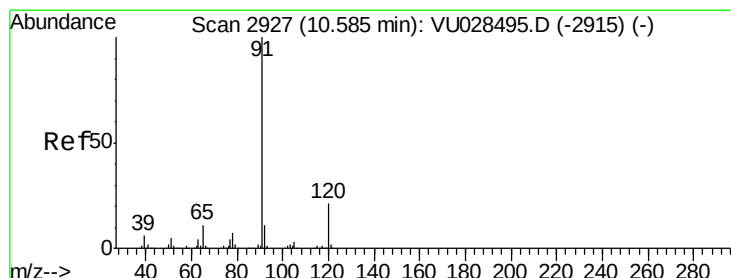
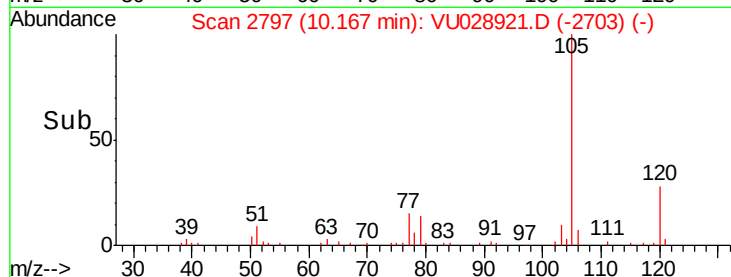
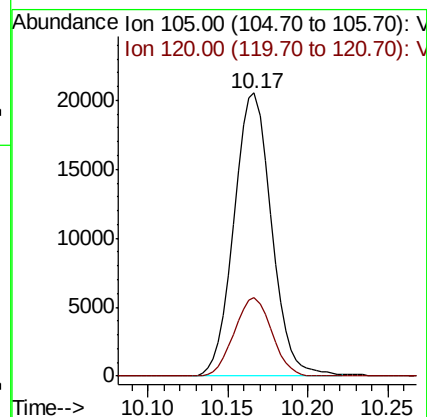
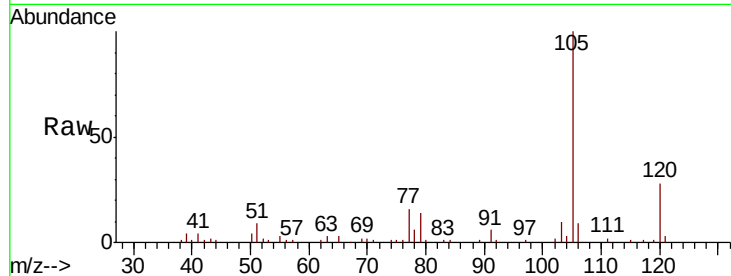
P001-SS013-3638-01ME

Tot Ion:105 Resp: 32859

Ion Ratio Lower Upper

105 100

120 27.4 12.9 38.6



#78

n-propylbenzene

Concen: 4.868 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028921.D

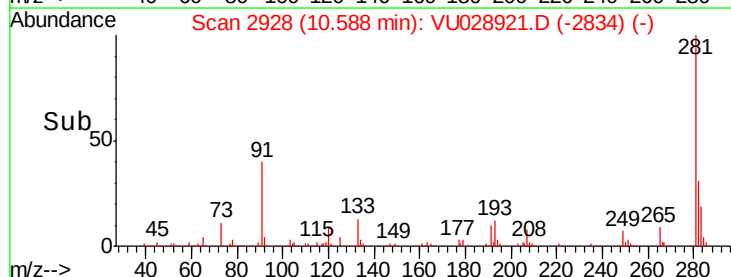
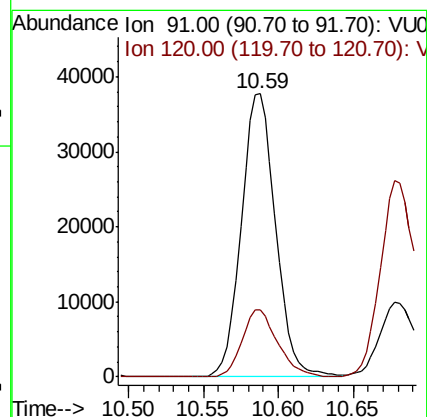
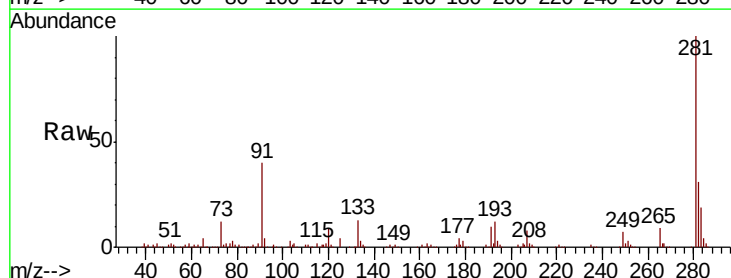
Acq: 22 Dec 2018 17:49

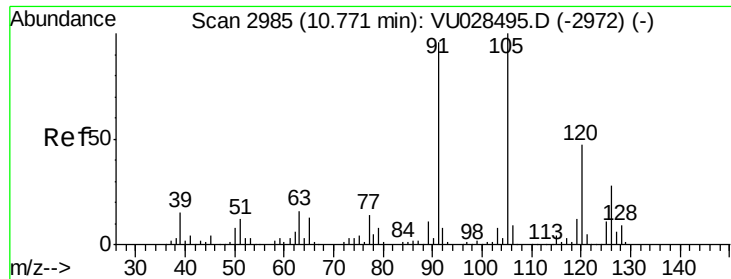
Tgt Ion: 91 Resp: 60227

Ion Ratio Lower Upper

91 100

120 24.4 10.6 31.8

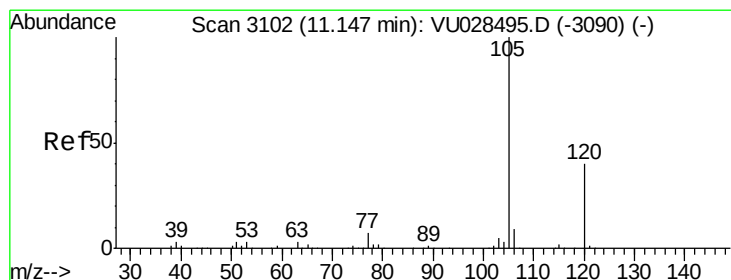
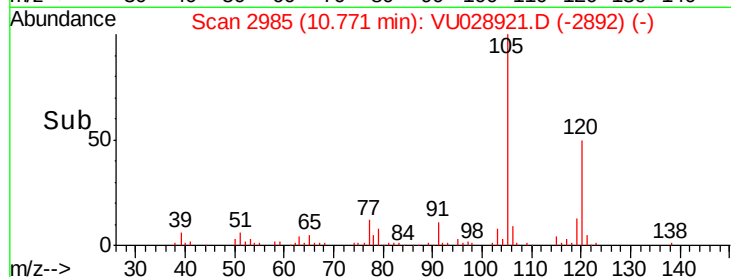
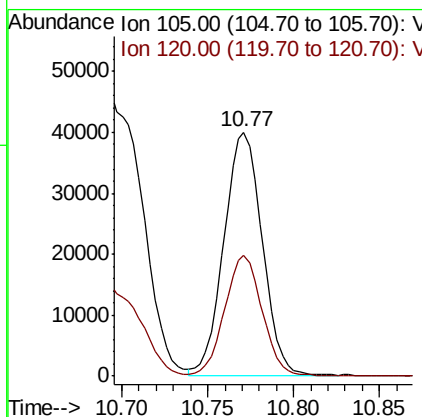
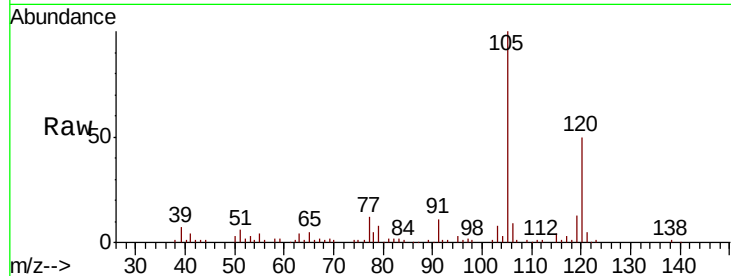




#80
 1,3,5-Trimethylbenzene
 Concen: 7.506 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028921.D
 Acq: 22 Dec 2018 17:49

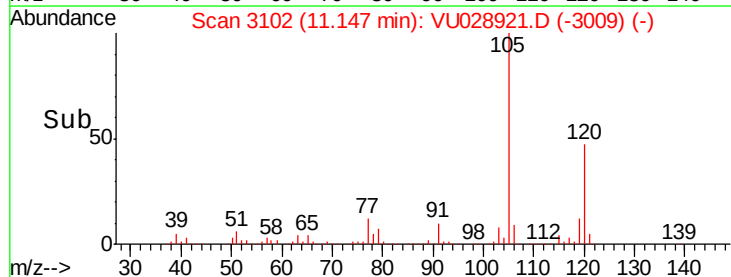
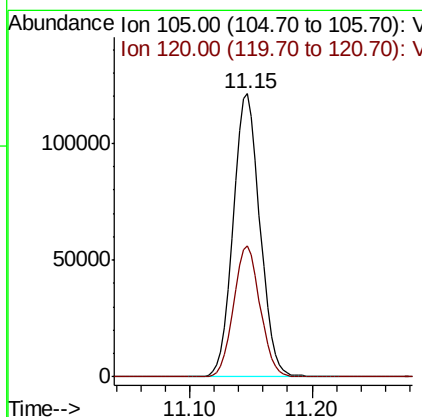
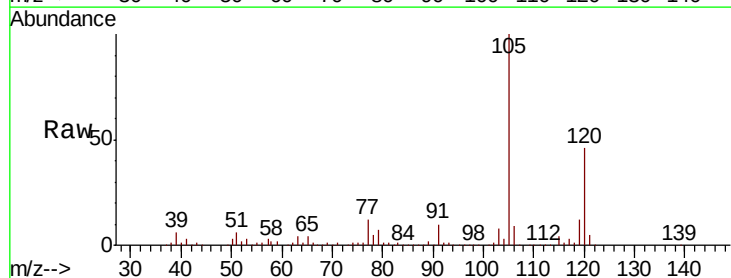
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013-3638-01ME

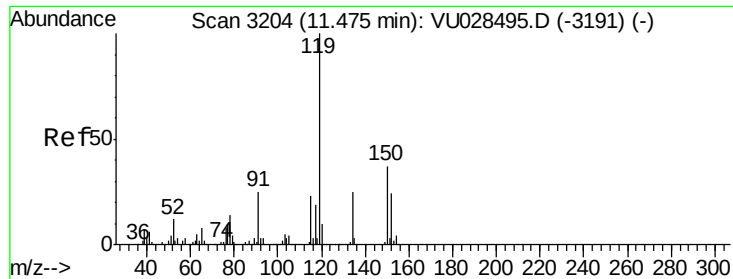
Tot Ion:105 Resp: 61863
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.7 71.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.773 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028921.D
 Acq: 22 Dec 2018 17:49

Tgt Ion:105 Resp: 184932
 Ion Ratio Lower Upper
 105 100
 120 45.9 21.8 65.4

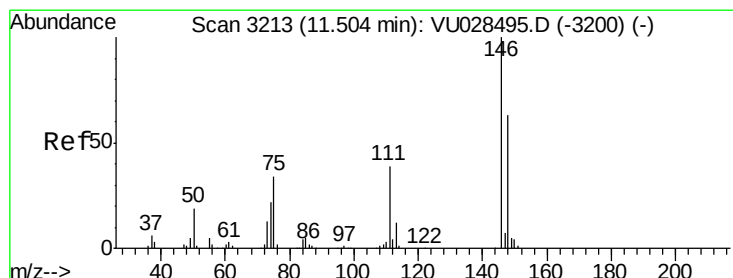
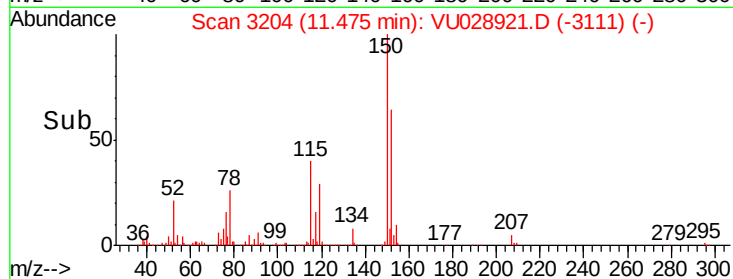
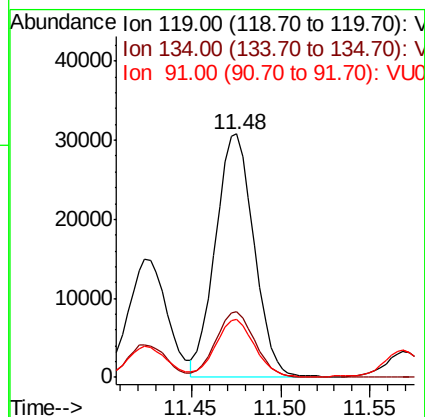
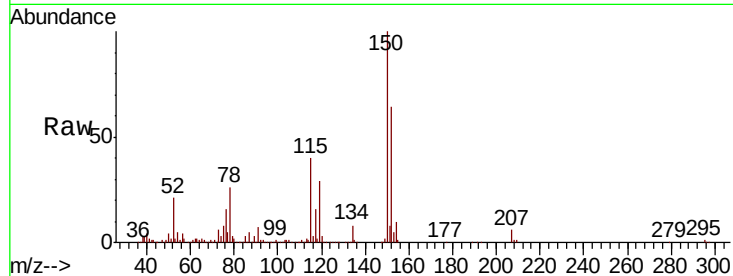




#86
 p-Isopropyltoluene
 Concen: 5.328 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028921.D
 Acq: 22 Dec 2018 17:49

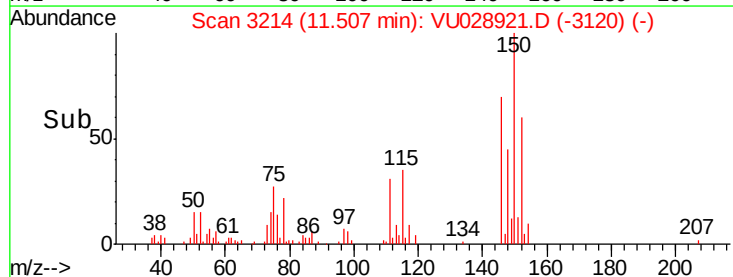
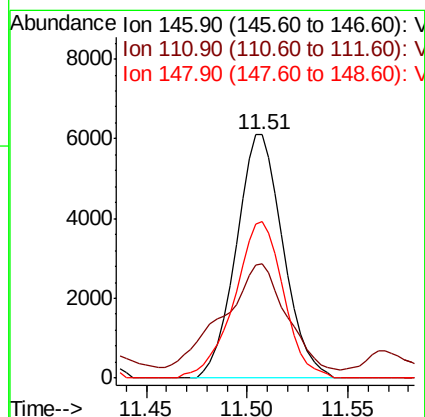
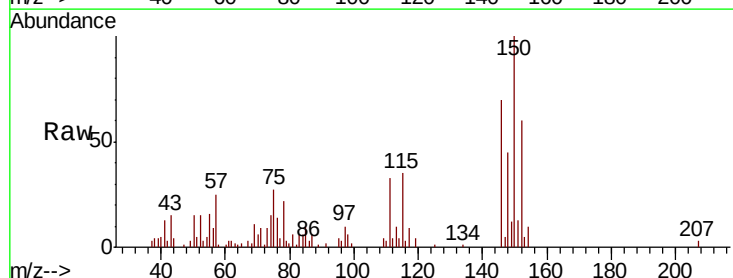
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013-3638-01ME

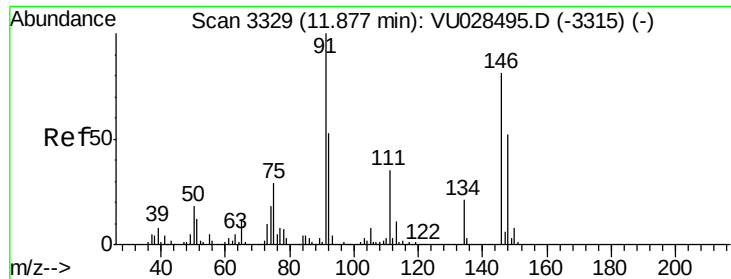
Tot Ion:119 Resp: 46189
 Ion Ratio Lower Upper
 119 100
 134 27.4 12.7 38.1
 91 24.1 12.6 37.6



#88
 1,4-Dichlorobenzene
 Concen: 2.181 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028921.D
 Acq: 22 Dec 2018 17:49

Tgt Ion:146 Resp: 9920
 Ion Ratio Lower Upper
 146 100
 111 57.1 20.2 60.5
 148 67.5 31.6 95.0

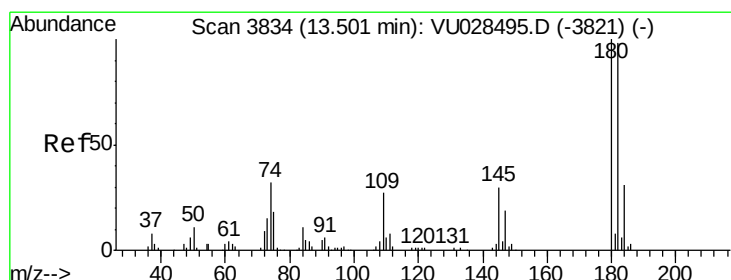
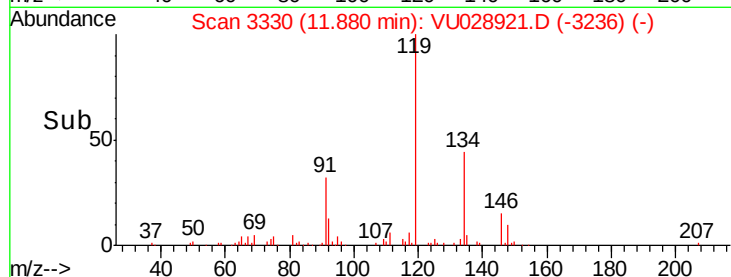
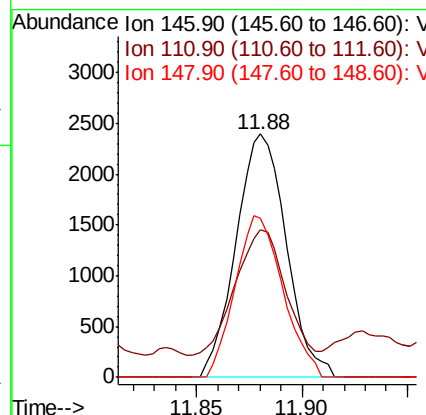
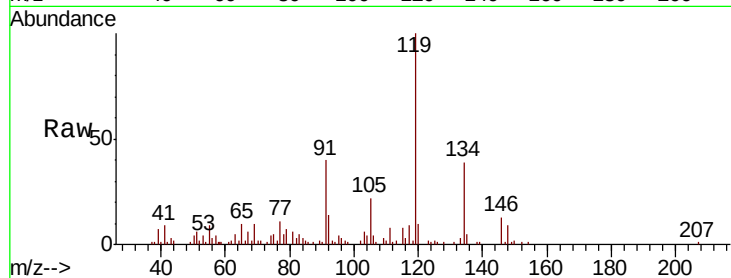




#91
 1,2-Dichlorobenzene
 Concen: 0.902 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028921.D
 Acq: 22 Dec 2018 17:49

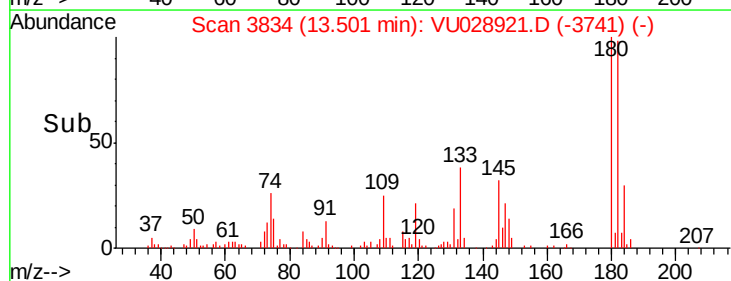
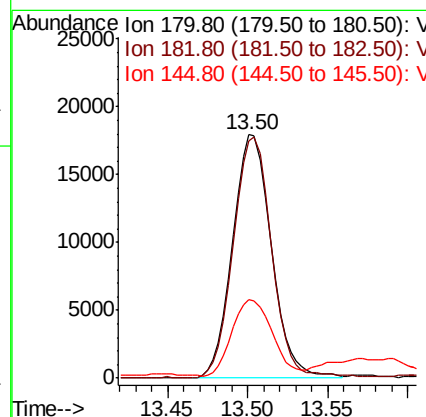
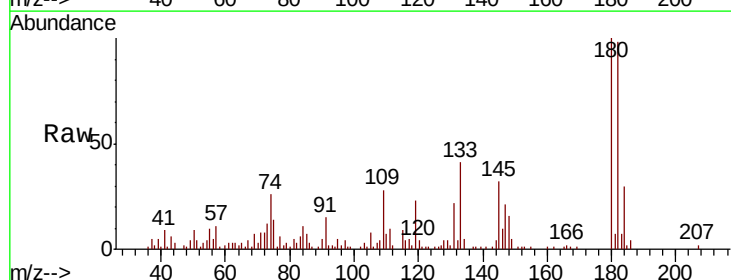
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013-3638-01ME

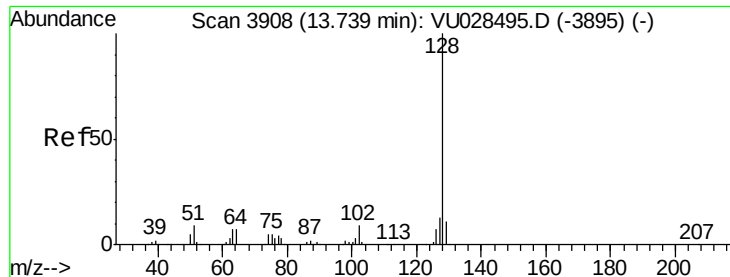
Tot Ion:146 Resp: 3968
 Ion Ratio Lower Upper
 146 100
 111 49.9 21.1 63.4
 148 62.8 31.4 94.2



#93
 1,2,4-Trichlorobenzene
 Concen: 10.509 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028921.D
 Acq: 22 Dec 2018 17:49

Tgt Ion:180 Resp: 29712
 Ion Ratio Lower Upper
 180 100
 182 98.1 47.9 143.8
 145 32.1 15.0 45.1





#95

Naphthalene

Concen: 14.859 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028921.D

Acq: 22 Dec 2018 17:49

Instrument:

MSVOA_U

ClientSampleId:

P001-SS013-3638-01ME

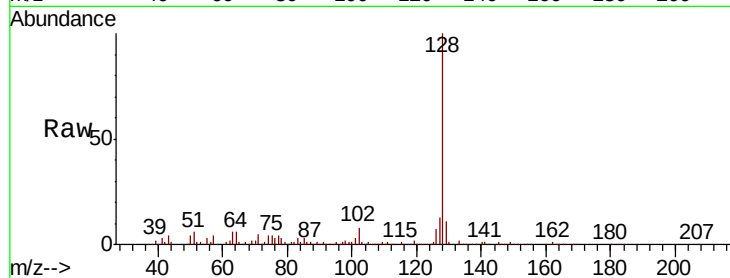
Tot Ion:128 Resp: 156811

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

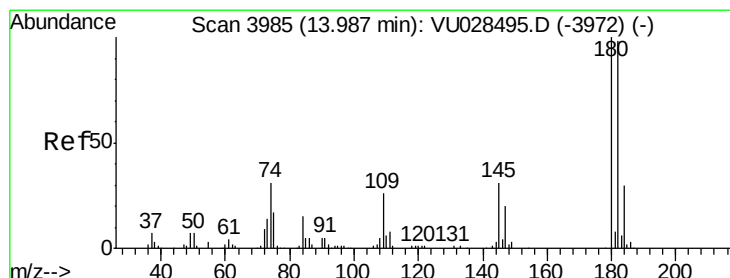
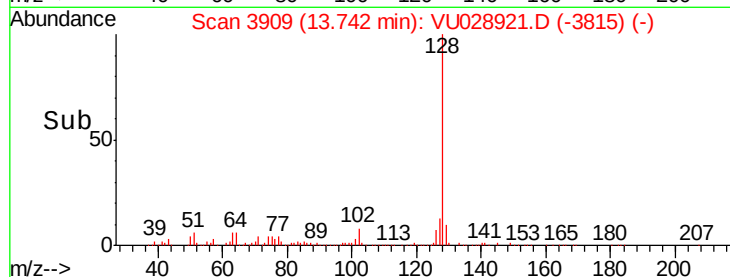
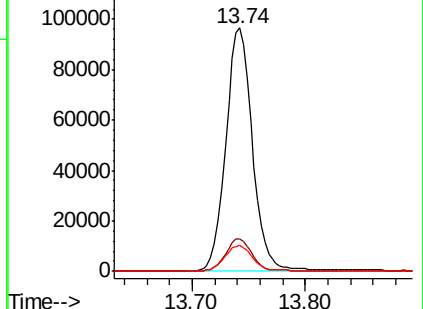
129 11.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.848 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028921.D

Acq: 22 Dec 2018 17:49

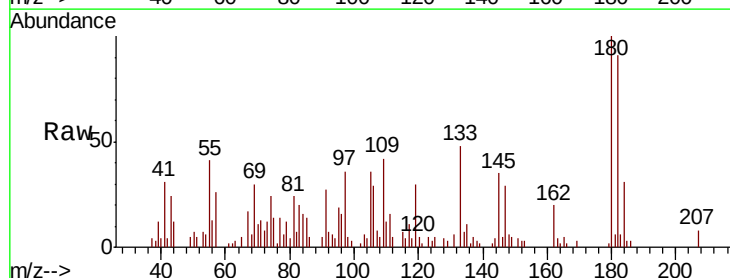
Tgt Ion:180 Resp: 8148

Ion Ratio Lower Upper

180 100

182 87.7 48.2 144.6

145 0.0 15.8 47.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

