

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
 Data File : VU027410.D
 Acq On : 04 Oct 2018 15:52
 Operator : MD/SY
 Sample : J5194-01
 Misc : 6.51g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HR-06-100218-A

Quant Time: Oct 05 04:55:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	102428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	176585	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	183431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	113173	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	98894	57.82	ug/l	0.00
Spiked Amount			Recovery	=	115.64%	
35) Dibromofluoromethane	4.88	113	69314	57.28	ug/l	0.00
Spiked Amount			Recovery	=	114.56%	
50) Toluene-d8	7.57	98	278099	61.40	ug/l	0.00
Spiked Amount			Recovery	=	122.80%	
62) 4-Bromofluorobenzene	10.31	95	121938	72.44	ug/l	0.00
Spiked Amount			Recovery	=	144.88%	

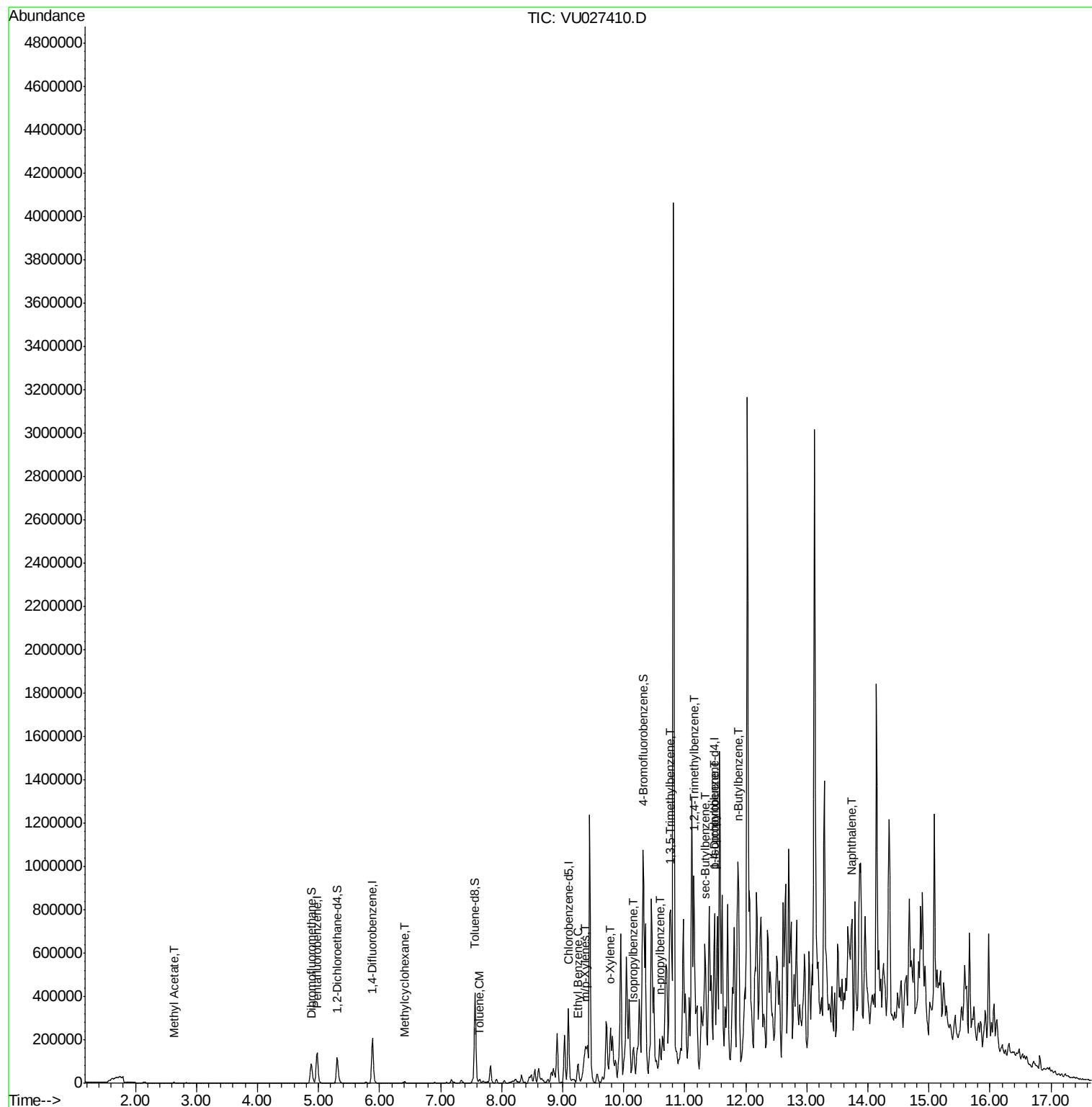
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	2.63	43	5410	2.347	ug/l #	85
39) Methylcyclohexane	6.41	83	2713	1.210	ug/l	96
52) Toluene	7.64	92	7010	2.121	ug/l	98
67) Ethyl Benzene	9.25	91	35000	5.116	ug/l	100
68) m/p-Xylenes	9.38	106	34513	13.793	ug/l	100
69) o-Xylene	9.78	106	56742	23.863	ug/l	100
73) Isopropylbenzene	10.17	105	26166	3.183	ug/l	99
78) n-propylbenzene	10.59	91	100418	10.167	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	272368	40.701	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	376627	55.096	ug/l	99
85) sec-Butylbenzene	11.33	105	100778	12.363	ug/l	99
86) p-Isopropyltoluene	11.48	119	72657	10.411	ug/l	100
89) n-Butylbenzene	11.89	91	171275	24.174	ug/l #	43
95) Naphthalene	13.74	128	24282	4.404	ug/l #	73

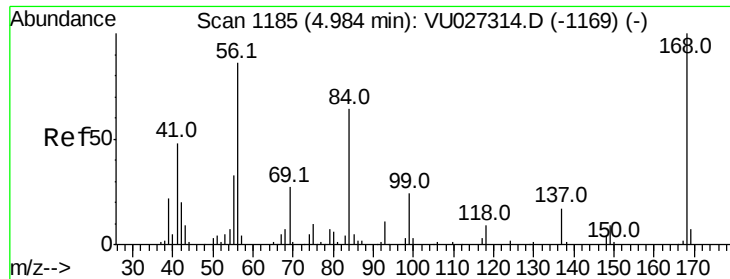
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VU027410.D

Acq: 04 Oct 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

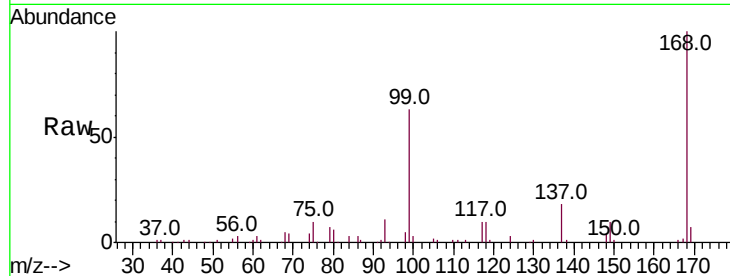
HR-06-100218-A

Tot Ion:168 Resp: 102428

Ion Ratio Lower Upper

168 100

99 62.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027410.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027410.D (-1169) (-)

4.98

50000

40000

30000

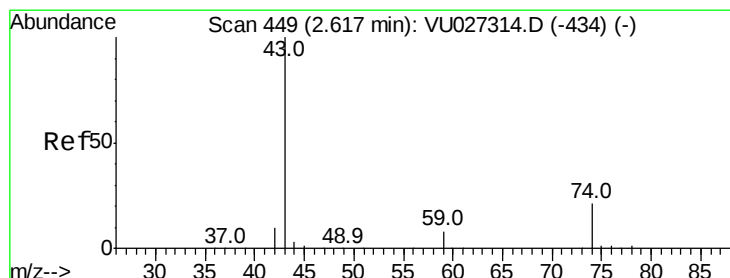
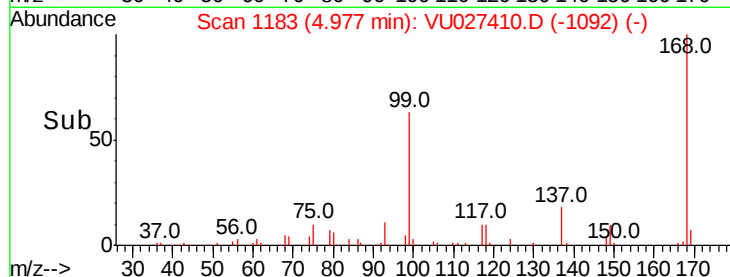
20000

10000

0

4.90 5.00 5.10

Time-->



#18

Methyl Acetate

Concen: 2.347 ug/l

RT: 2.63 min Scan# 452

Delta R.T. 0.01 min

Lab File: VU027410.D

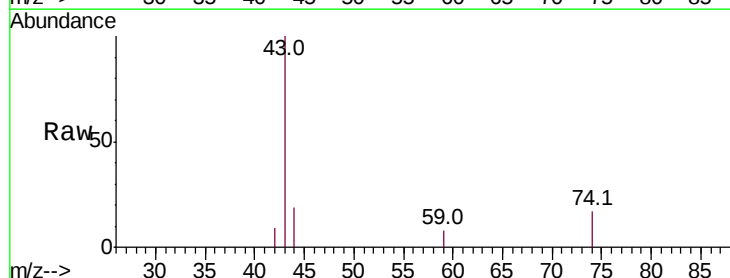
Acq: 04 Oct 2018 15:52

Tgt Ion: 43 Resp: 5410

Ion Ratio Lower Upper

43 100

74 13.6 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VU027410.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027410.D (-356) (-)

2.63

3000

2500

2000

1500

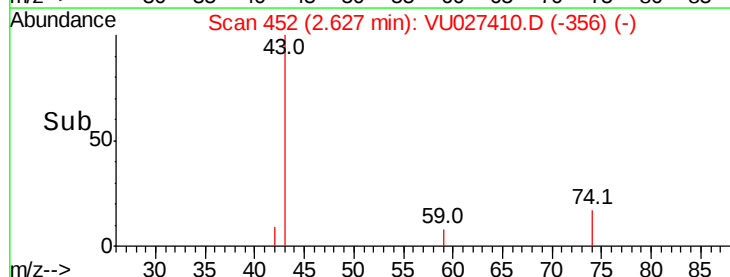
1000

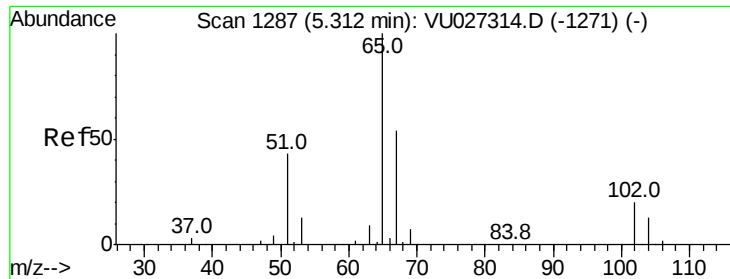
500

0

2.55 2.60 2.65 2.70

Time-->





#33

1,2-Dichloroethane-d4

Concen: 57.820 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

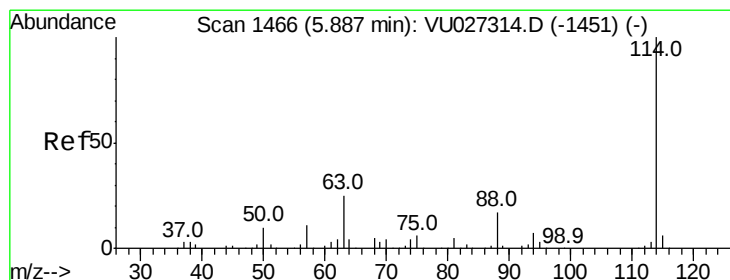
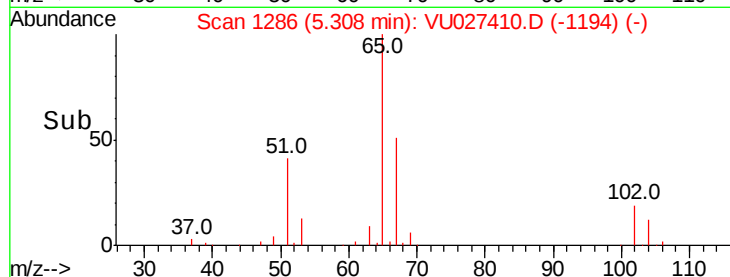
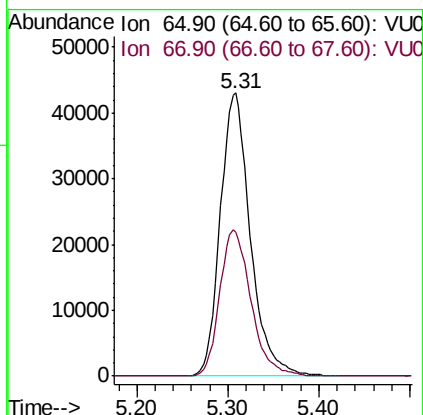
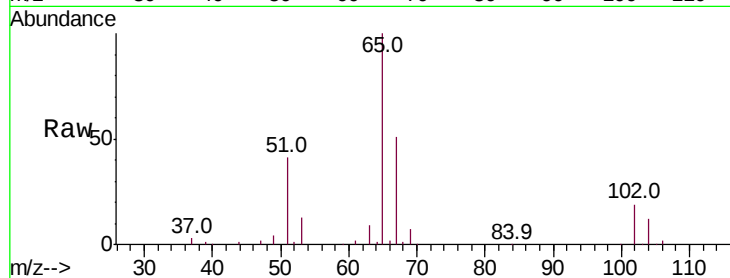
Lab File: VU027410.D

Acq: 04 Oct 2018 15:52

Instrument :
MSVOA_U
ClientSampleId :
HR-06-100218-A

Tot Ion: 65 Resp: 98894

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	107.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

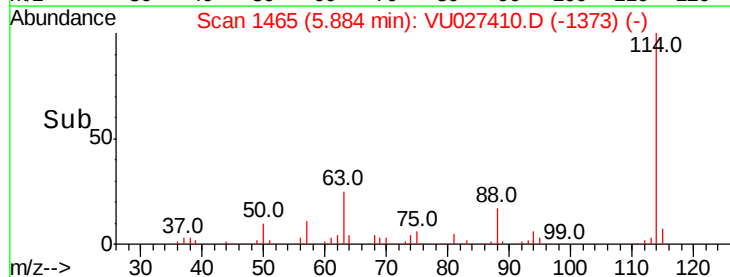
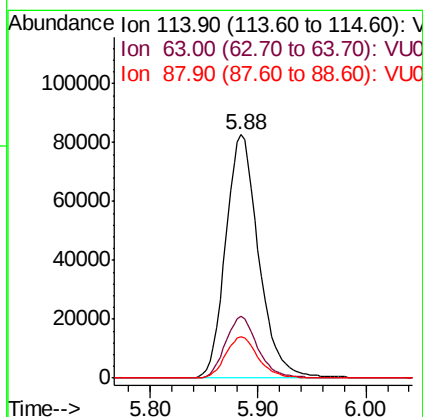
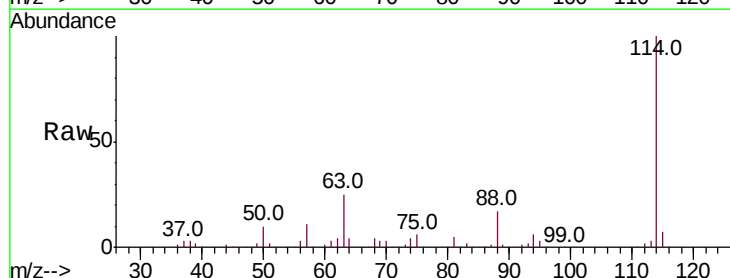
Delta R.T. -0.00 min

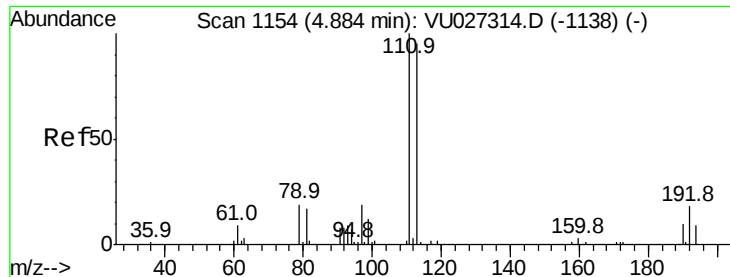
Lab File: VU027410.D

Acq: 04 Oct 2018 15:52

Tgt Ion: 114 Resp: 176585

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	50.2
88	17.0	0.0	33.8





#35

Dibromofluoromethane

Concen: 57.275 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU027410.D

Acq: 04 Oct 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

HR-06-100218-A

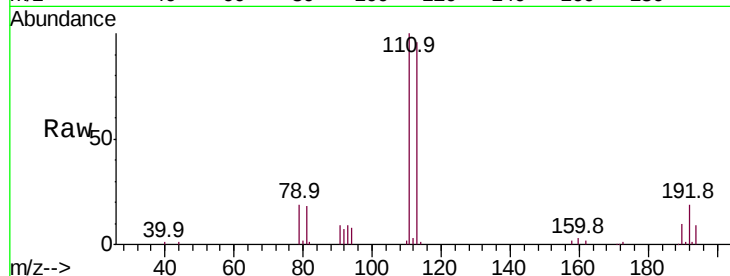
Tot Ion:113 Resp: 69314

Ion Ratio Lower Upper

113 100

111 103.1 83.1 124.7

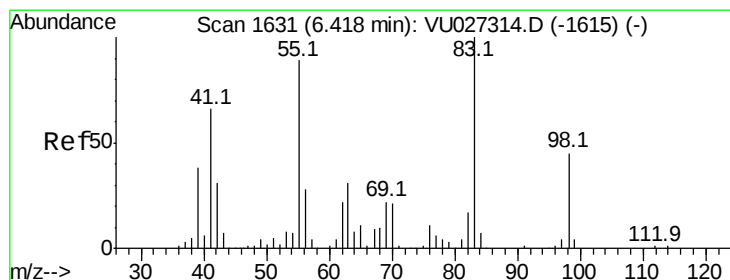
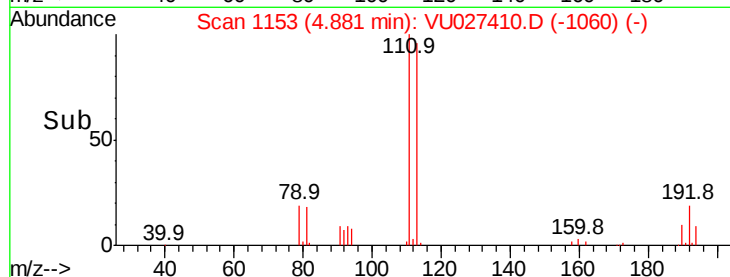
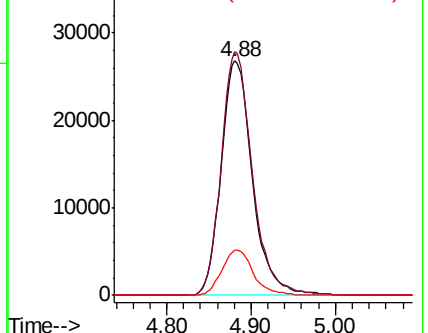
192 19.4 15.4 23.0



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: 1.210 ug/l

RT: 6.41 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VU027410.D

Acq: 04 Oct 2018 15:52

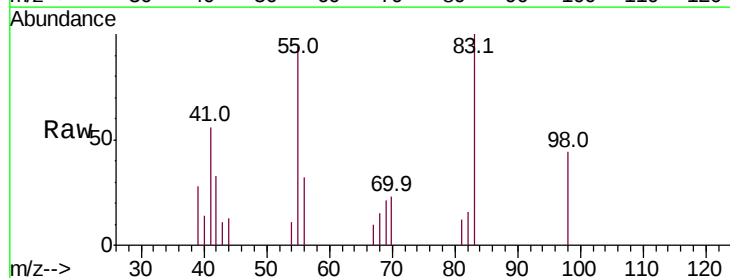
Tgt Ion: 83 Resp: 2713

Ion Ratio Lower Upper

83 100

55 93.6 71.1 106.7

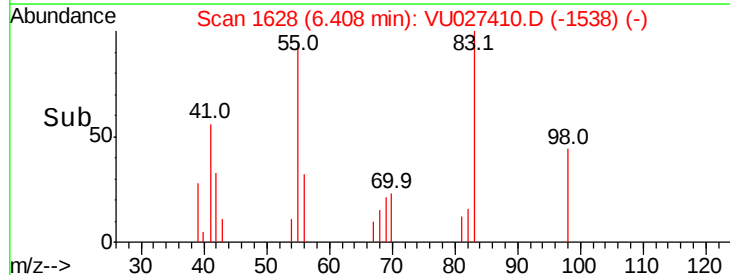
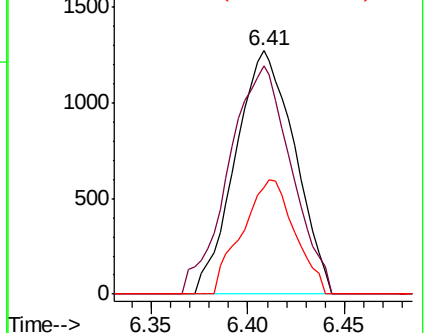
98 43.9 36.3 54.5

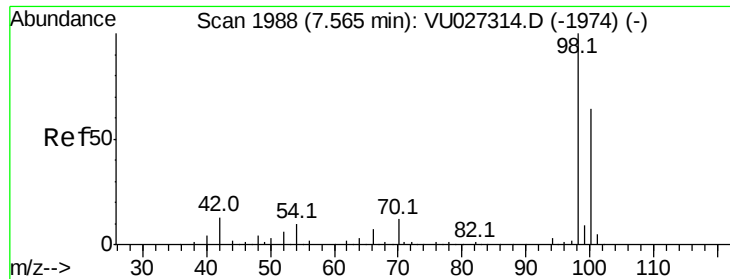


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#50

Toluene-d8

Concen: 61.399 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU027410.D

Acq: 04 Oct 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

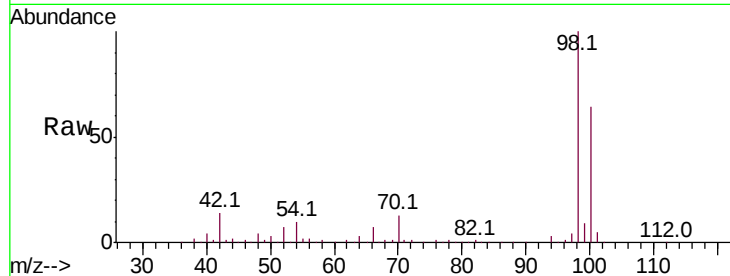
HR-06-100218-A

Tot Ion: 98 Resp: 278099

Ion Ratio Lower Upper

98 100

100 64.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU027410.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027410.D (-1974) (-)

7.57

150000

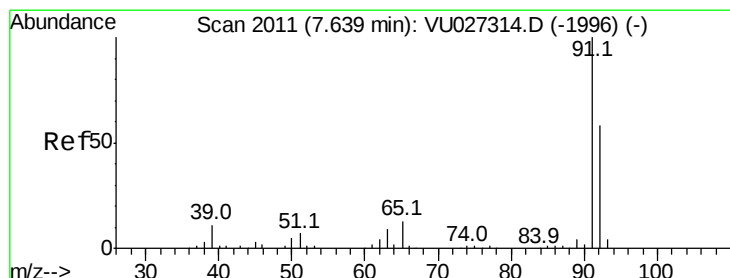
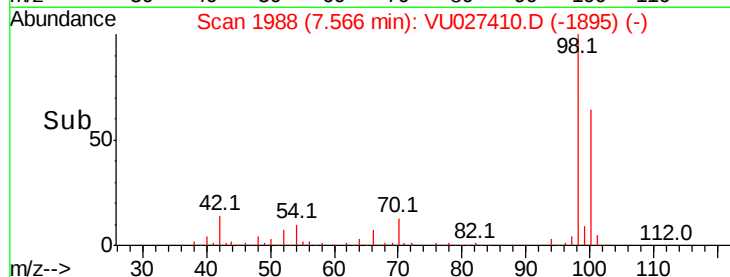
100000

50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#52

Toluene

Concen: 2.121 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027410.D

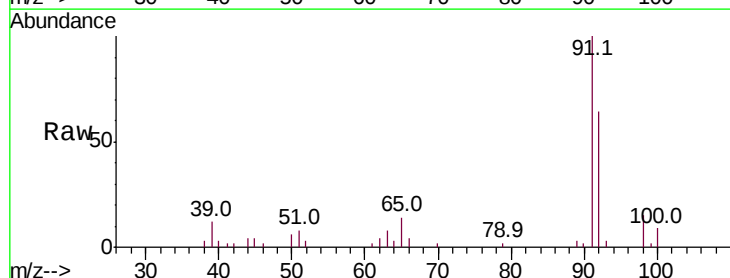
Acq: 04 Oct 2018 15:52

Tgt Ion: 92 Resp: 7010

Ion Ratio Lower Upper

92 100

91 170.1 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU027410.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027410.D (-1996) (-)

7.64

6000

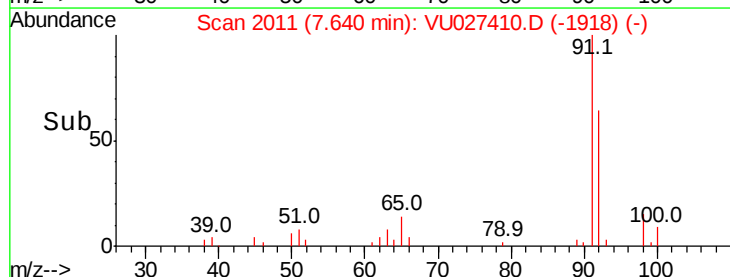
4000

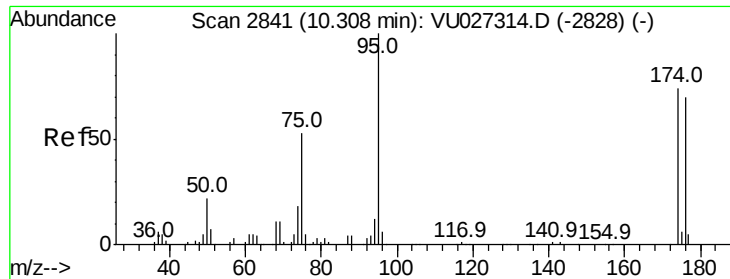
2000

0

7.60 7.65 7.70

Time-->





#62

4-Bromofluorobenzene

Concen: 72.440 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU027410.D

Acq: 04 Oct 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

HR-06-100218-A

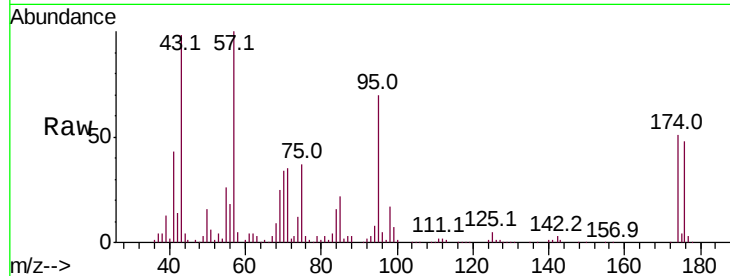
Tot Ion: 95 Resp: 121938

Ion Ratio Lower Upper

95 100

174 71.4 0.0 147.8

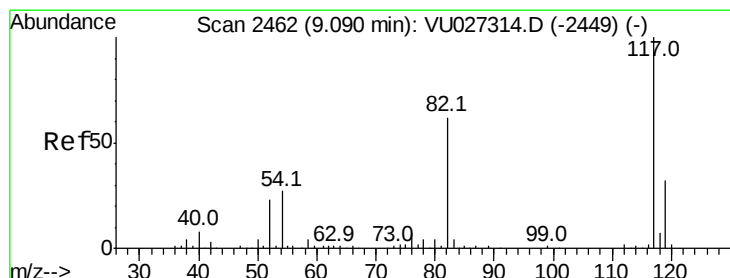
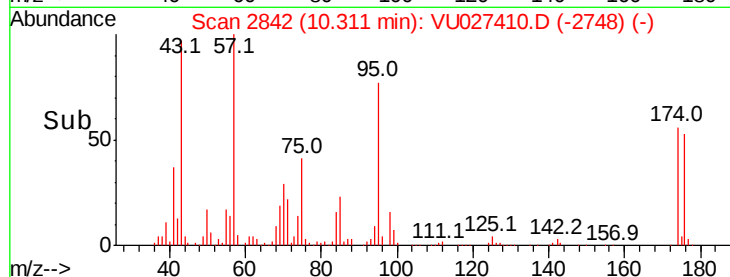
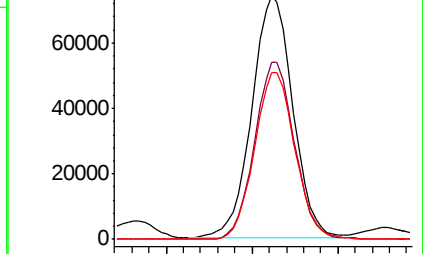
176 68.1 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU027314.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU027314.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU027314.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027410.D

Acq: 04 Oct 2018 15:52

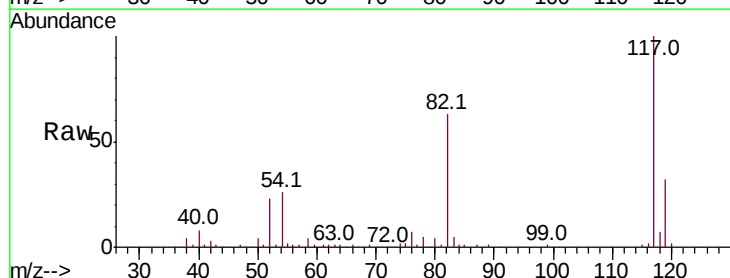
Tgt Ion: 117 Resp: 183431

Ion Ratio Lower Upper

117 100

82 62.3 49.2 73.8

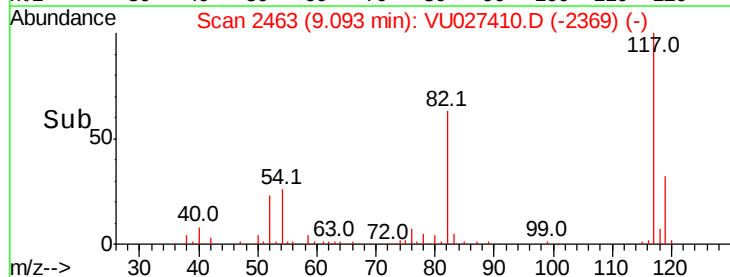
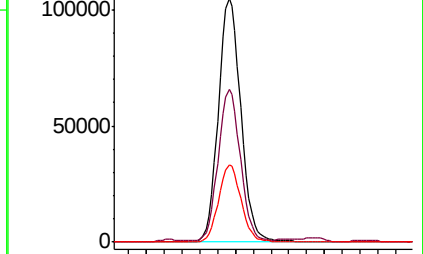
119 31.7 25.7 38.5

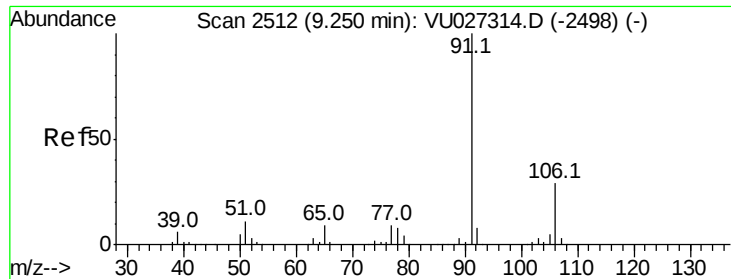


Abundance Ion 116.90 (116.60 to 117.60): VU027314.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU027314.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU027314.D (-2449) (-)





#67

Ethyl Benzene

Concen: 5.116 ug/l

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027410.D

Acq: 04 Oct 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

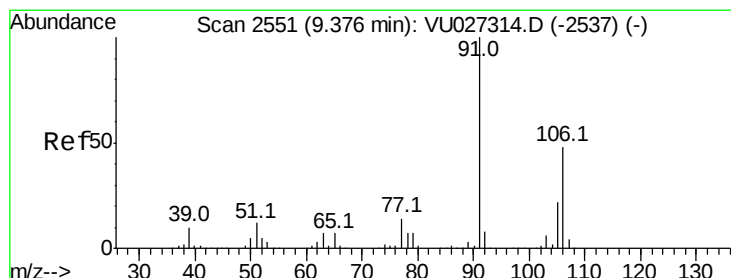
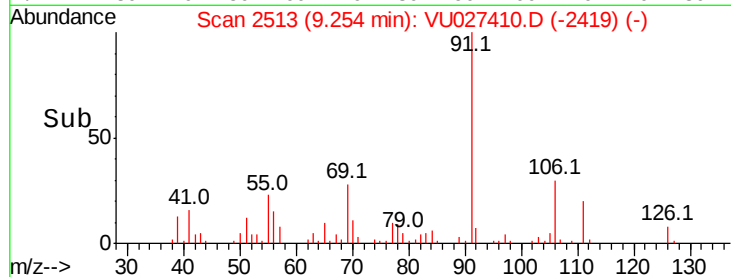
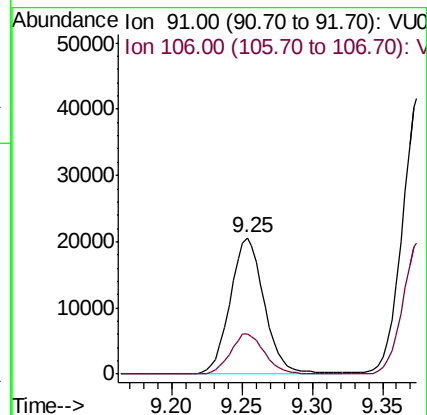
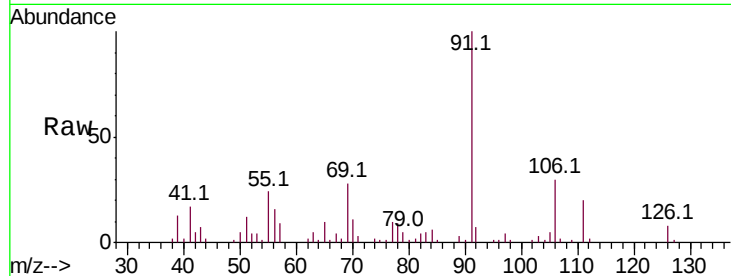
HR-06-100218-A

Tot Ion: 91 Resp: 35000

Ion Ratio Lower Upper

91 100

106 29.7 23.6 35.4



#68

m/p-Xylenes

Concen: 13.793 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027410.D

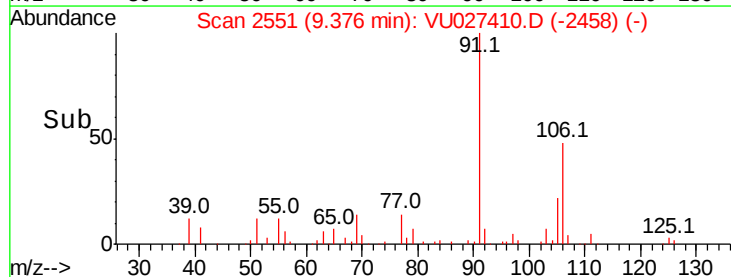
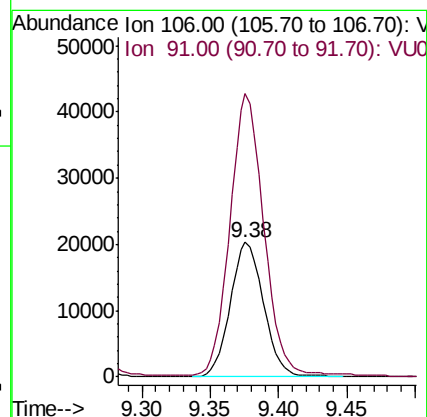
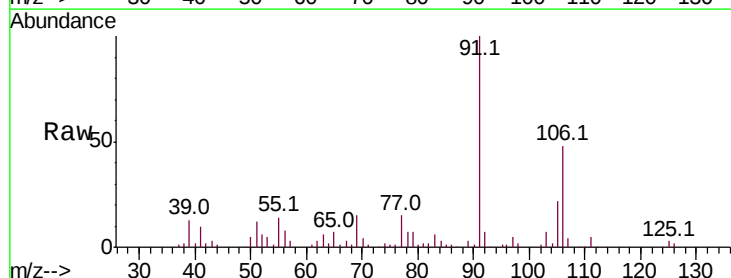
Acq: 04 Oct 2018 15:52

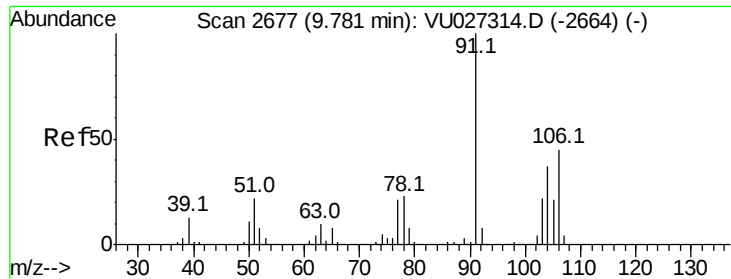
Tgt Ion: 106 Resp: 34513

Ion Ratio Lower Upper

106 100

91 210.7 168.1 252.1

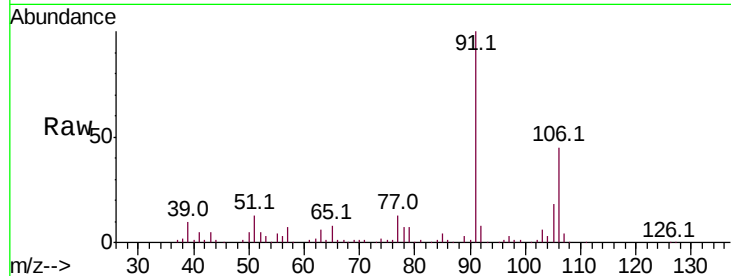




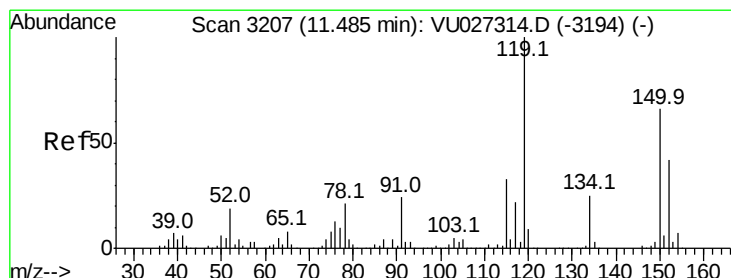
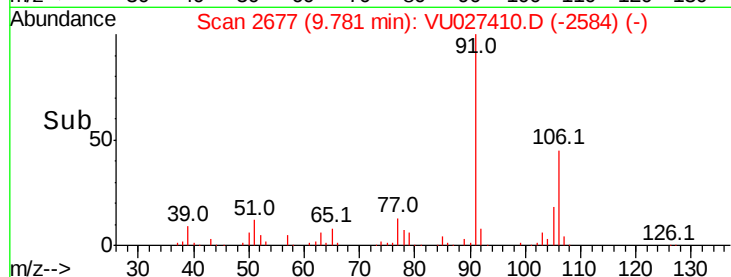
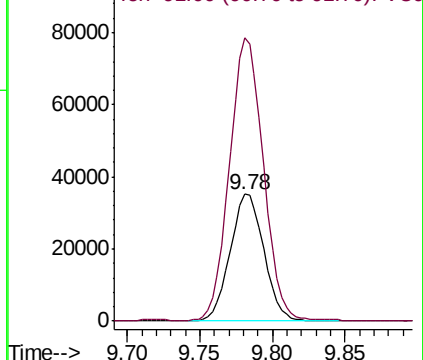
#69
o-Xylene
Concen: 23.863 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027410.D
Acq: 04 Oct 2018 15:52

Instrument :
MSVOA_U
ClientSampleId :
HR-06-100218-A

Tot Ion:106 Resp: 56742
Ion Ratio Lower Upper
106 100
91 223.9 111.7 334.9

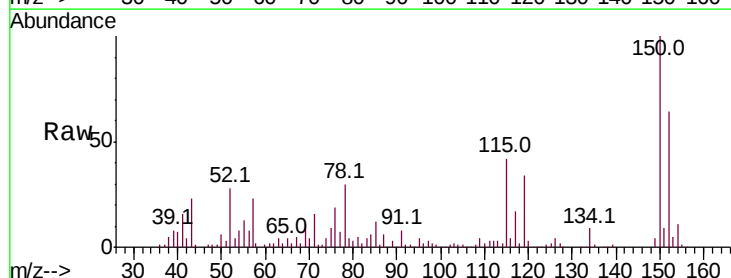


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

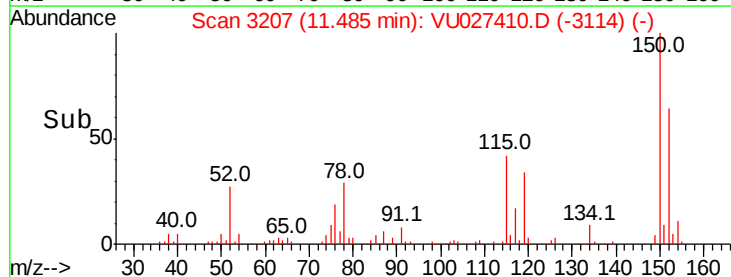
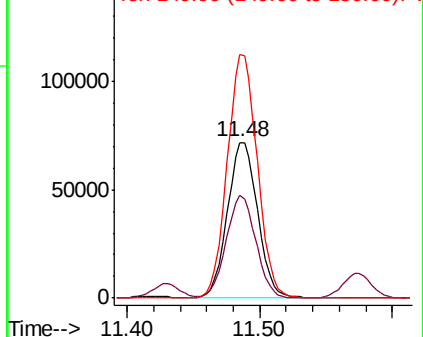


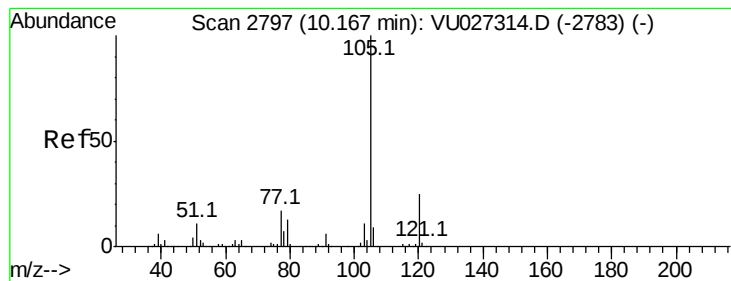
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027410.D
Acq: 04 Oct 2018 15:52

Tgt Ion:152 Resp: 113173
Ion Ratio Lower Upper
152 100
115 65.3 43.4 130.2
150 156.1 0.0 349.2



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: 3.183 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027410.D

Acq: 04 Oct 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

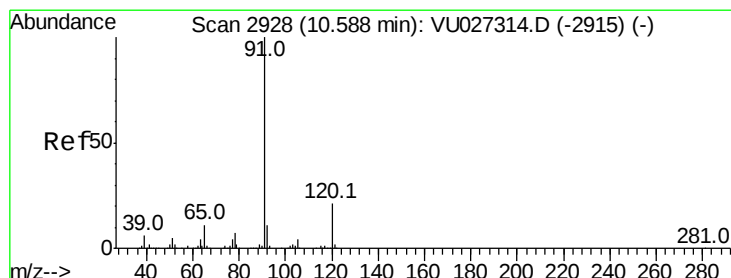
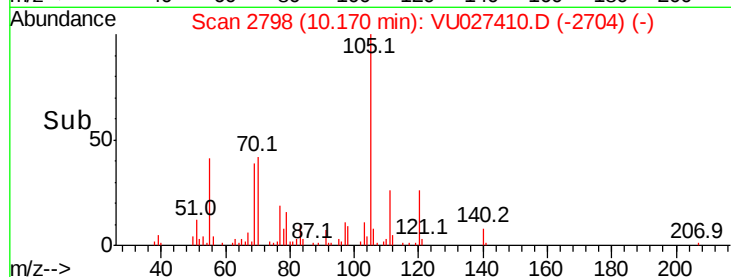
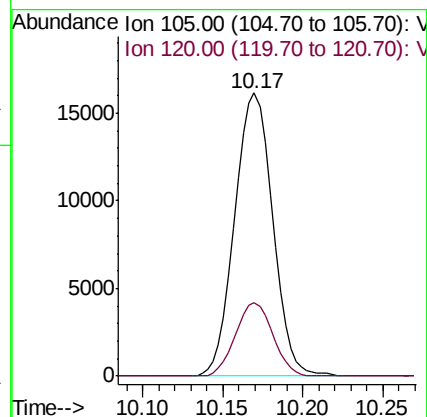
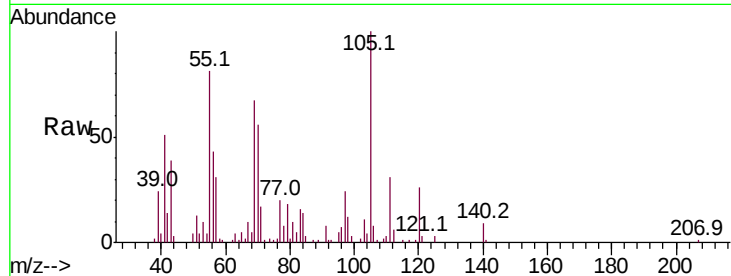
HR-06-100218-A

Tot Ion:105 Resp: 26166

Ion Ratio Lower Upper

105 100

120 25.5 12.6 37.8



#78

n-propylbenzene

Concen: 10.167 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU027410.D

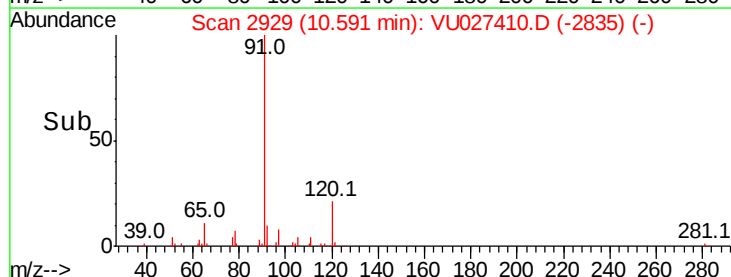
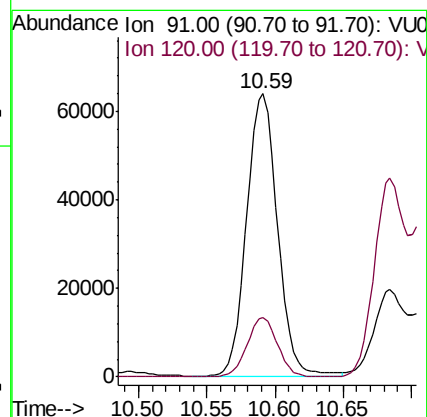
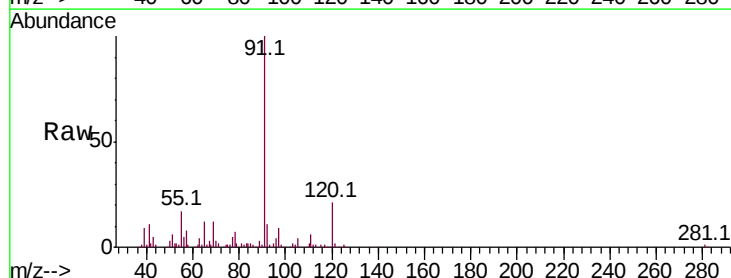
Acq: 04 Oct 2018 15:52

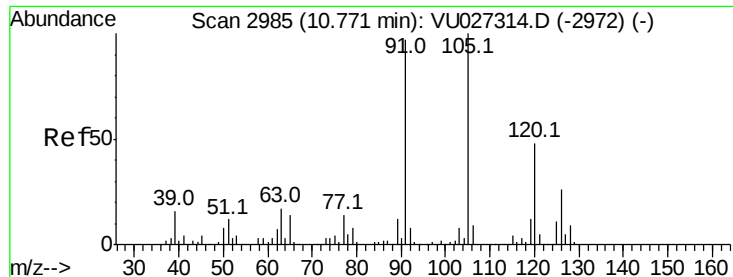
Tgt Ion: 91 Resp: 100418

Ion Ratio Lower Upper

91 100

120 20.5 10.6 31.8

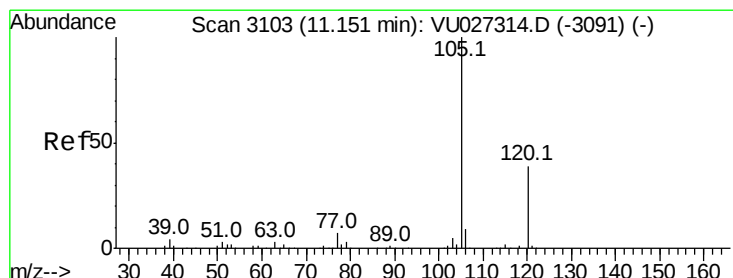
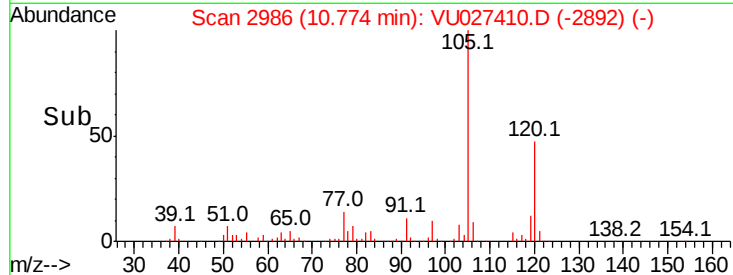
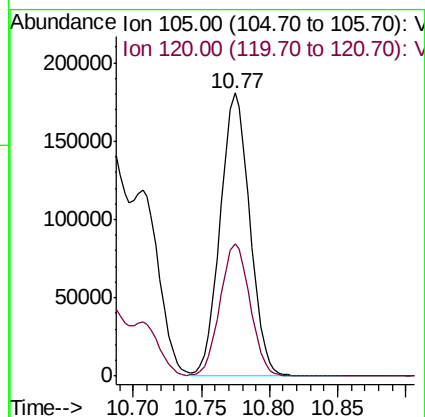
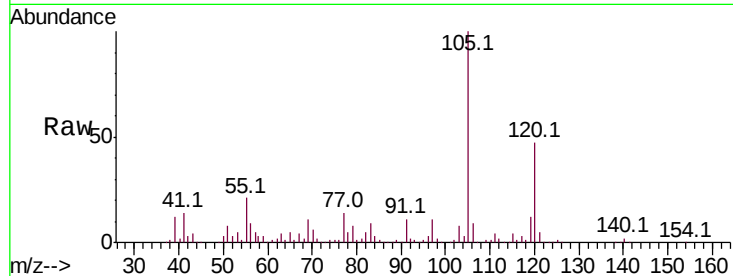




#80
 1,3,5-Trimethylbenzene
 Concen: 40.701 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027410.D
 Acq: 04 Oct 2018 15:52

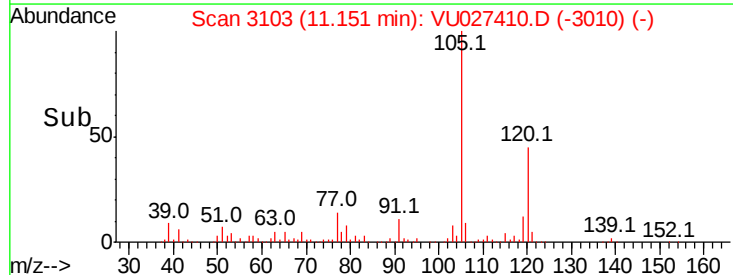
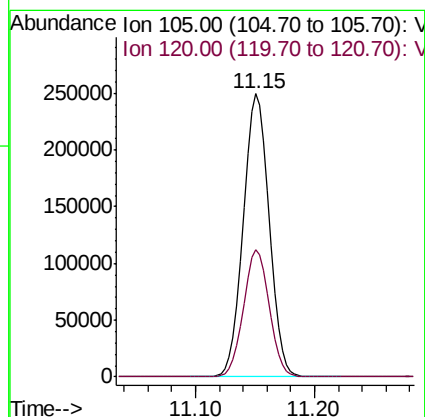
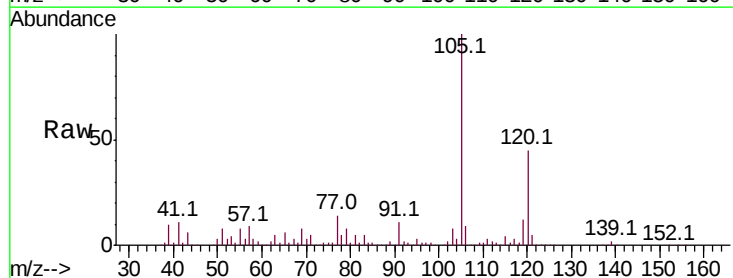
Instrument :
 MSVOA_U
 ClientSampleId :
 HR-06-100218-A

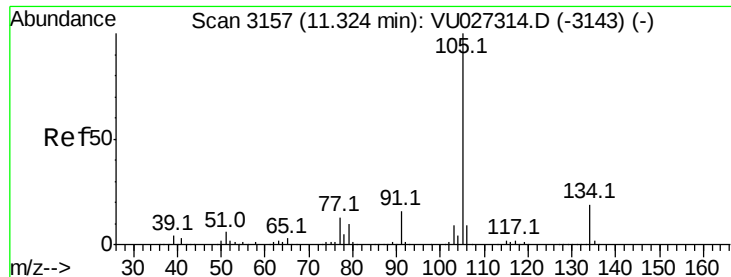
Tot Ion:105 Resp: 272368
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.1 72.4



#84
 1,2,4-Trimethylbenzene
 Concen: 55.096 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027410.D
 Acq: 04 Oct 2018 15:52

Tgt Ion:105 Resp: 376627
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.1 66.5





#85

sec-Butylbenzene

Concen: 12.363 ug/l

RT: 11.33 min Scan# 3158

Delta R.T. 0.00 min

Lab File: VU027410.D

Acq: 04 Oct 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

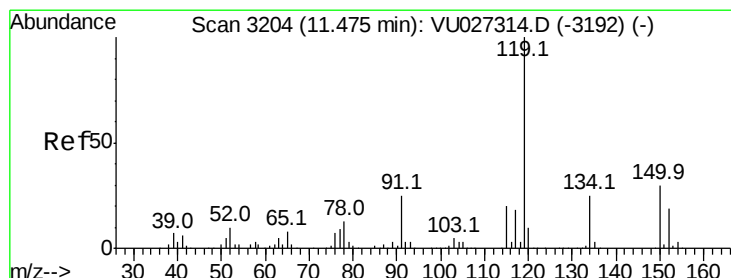
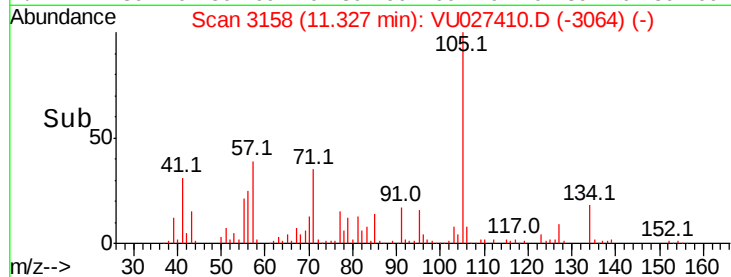
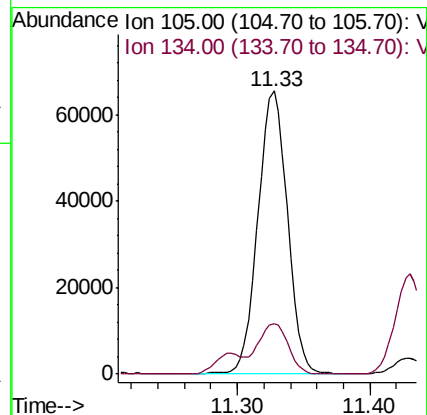
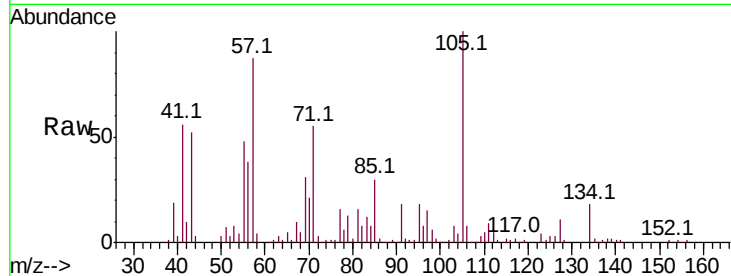
HR-06-100218-A

Tot Ion:105 Resp: 100778

Ion Ratio Lower Upper

105 100

134 18.8 9.6 28.6



#86

p-Isopropyltoluene

Concen: 10.411 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027410.D

Acq: 04 Oct 2018 15:52

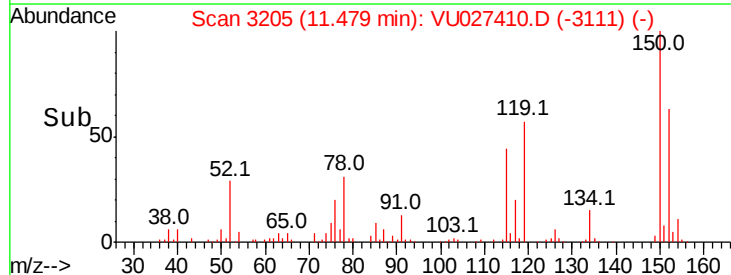
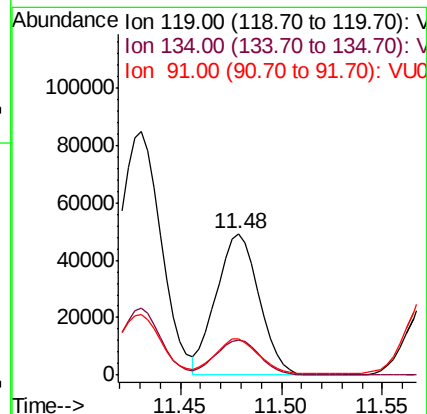
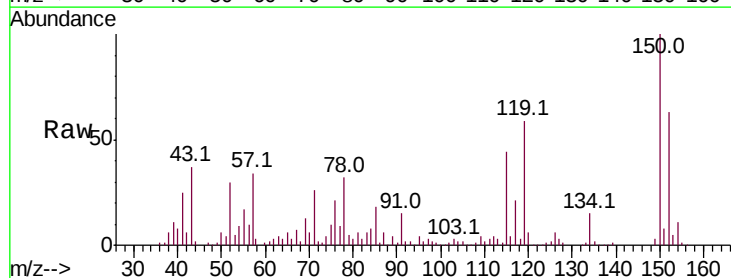
Tgt Ion:119 Resp: 72657

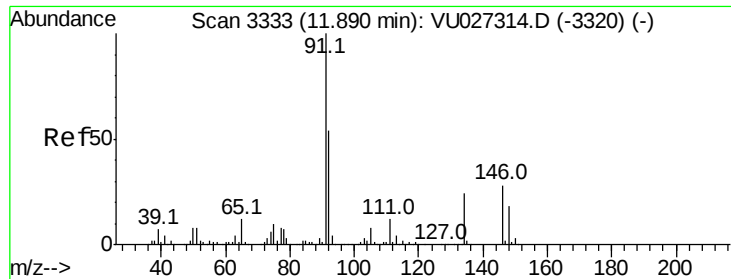
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

91 24.6 12.2 36.4

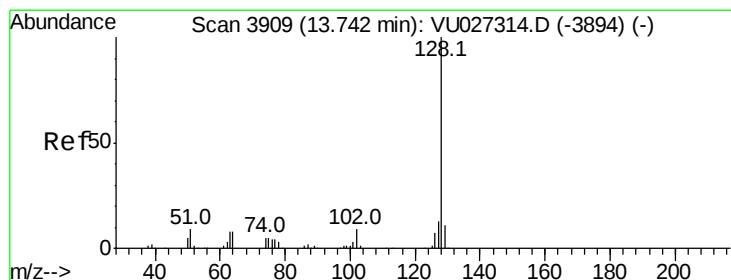
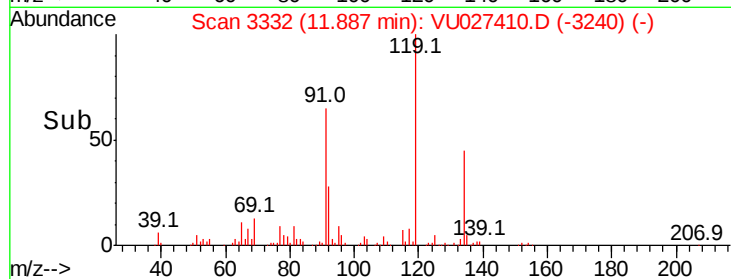
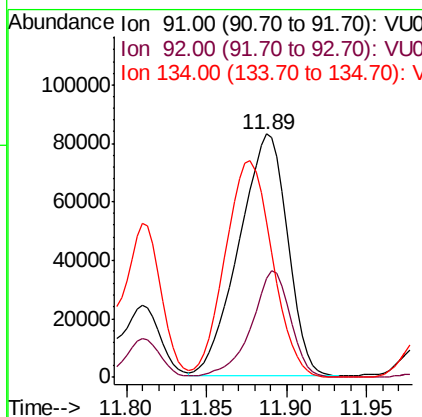
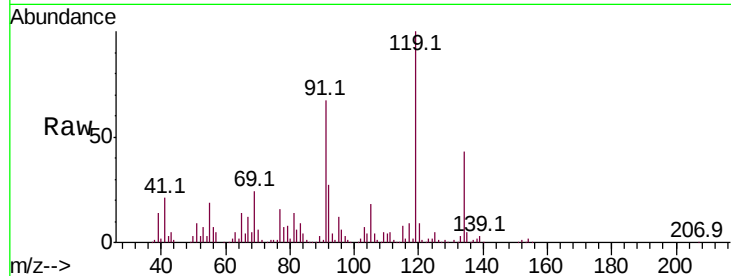




#89
n-Butylbenzene
Concen: 24.174 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU027410.D
Acq: 04 Oct 2018 15:52

Instrument :
MSVOA_U
ClientSampleId :
HR-06-100218-A

Tot Ion: 91 Resp: 171275
Ion Ratio Lower Upper
91 100
92 35.7 27.0 81.0
134 87.4 11.7 35.1#



#95
Naphthalene
Concen: 4.404 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027410.D
Acq: 04 Oct 2018 15:52

Tgt Ion: 128 Resp: 24282
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 32.3 8.6 12.8#

