

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025152.D
 Acq On : 02 Jul 2018 18:52
 Operator : MD/SY
 Sample : J3252-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TR-04-062918

Quant Time: Jul 03 05:39:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	213045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	321321	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	300600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	161207	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	163346	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
35) Dibromofluoromethane	4.89	113	128297	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
50) Toluene-d8	7.57	98	458140	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
62) 4-Bromofluorobenzene	10.31	95	170931	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	

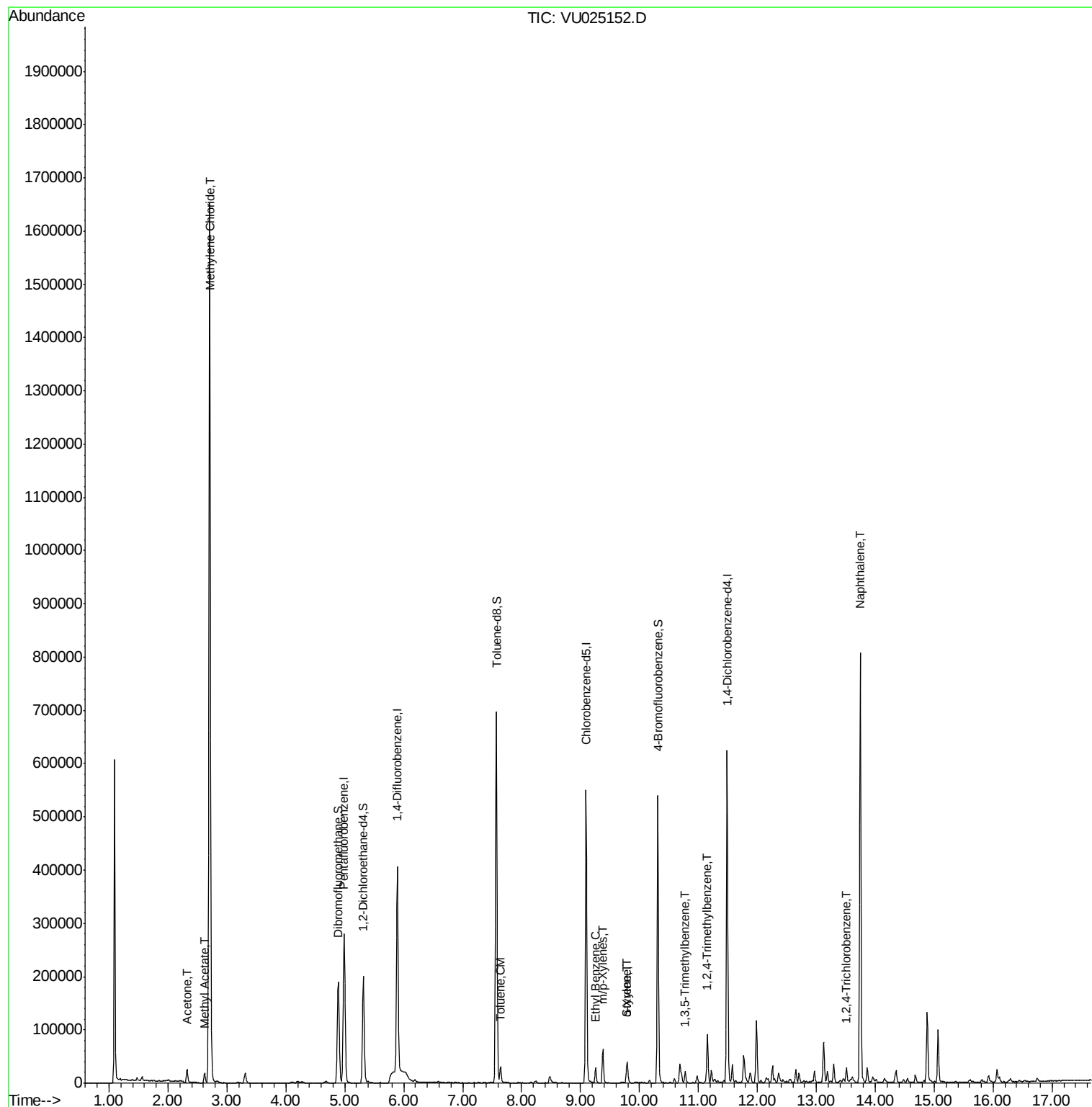
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	27258	14.59	ug/l	96
18) Methyl Acetate	2.62	43	22599	5.64	ug/l	98
20) Methylene Chloride	2.71	84	730877	249.26	ug/l	98
52) Toluene	7.64	92	12211	1.76	ug/l	99
67) Ethyl Benzene	9.26	91	21188	1.57	ug/l	100
68) m/p-Xylenes	9.38	106	18229	3.53	ug/l	97
69) o-Xylene	9.79	106	7783	1.52	ug/l	88
70) Styrene	9.80	104	9571	1.14	ug/l	95
80) 1,3,5-Trimethylbenzene	10.78	105	12485	1.16	ug/l	94
84) 1,2,4-Trimethylbenzene	11.15	105	46367	4.24	ug/l	100
93) 1,2,4-Trichlorobenzene	13.51	180	4844	1.35	ug/l	91
95) Naphthalene	13.74	128	628786	53.00	ug/l	99

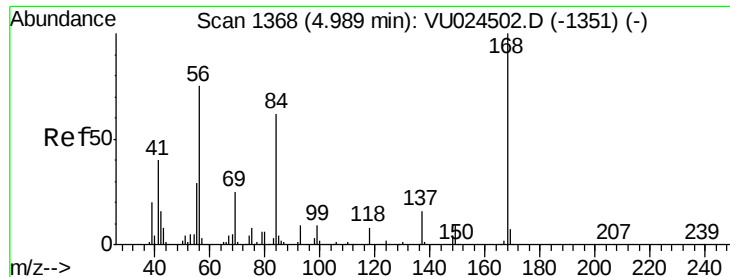
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

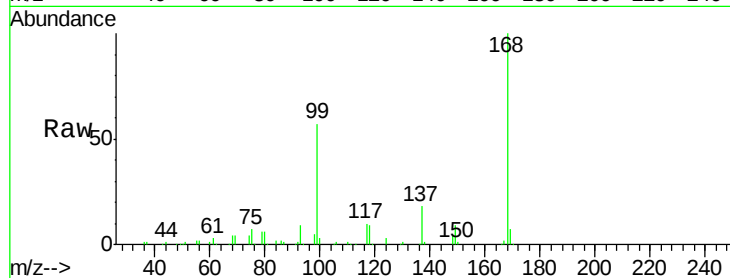
TR-04-062918

Tot Ion:168 Resp: 213045

Ion Ratio Lower Upper

168 100

99 57.4 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

100000

80000

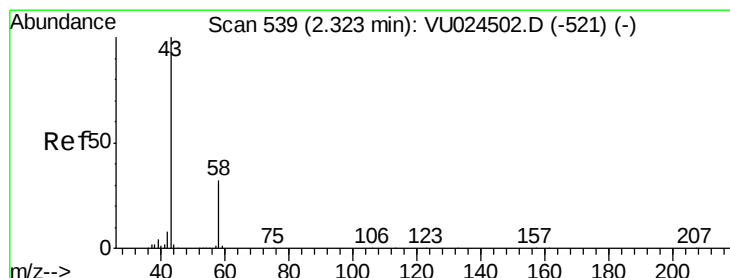
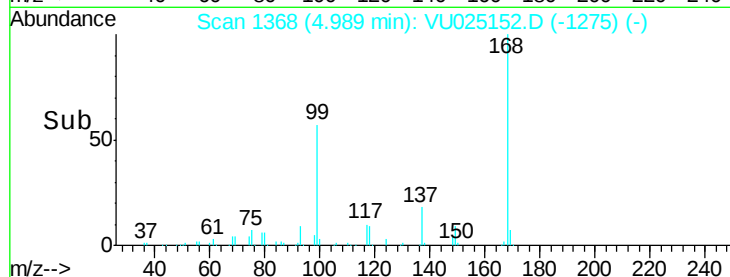
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 14.59 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025152.D

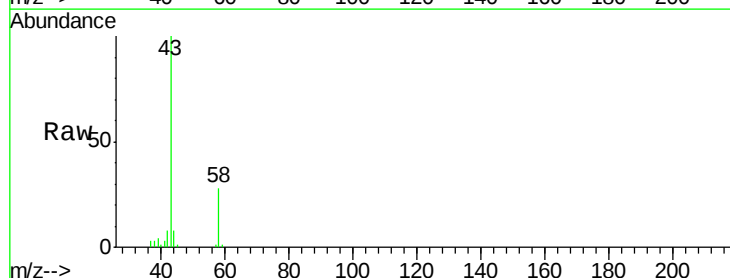
Acq: 02 Jul 2018 18:52

Tgt Ion: 43 Resp: 27258

Ion Ratio Lower Upper

43 100

58 28.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)

2.32

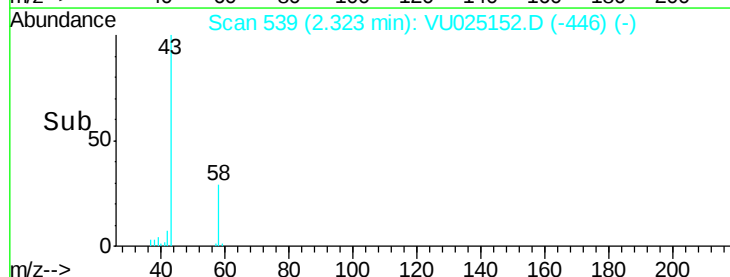
15000

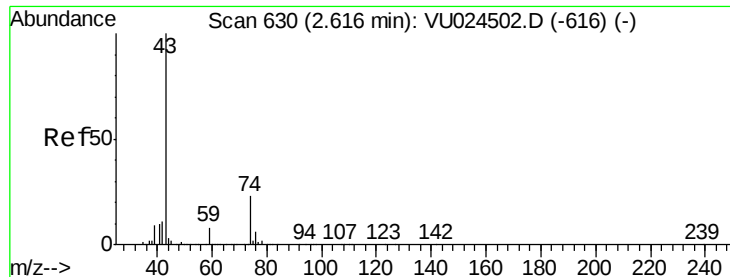
10000

5000

0

Time-->

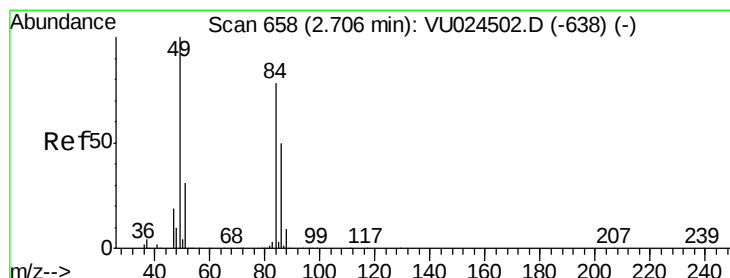
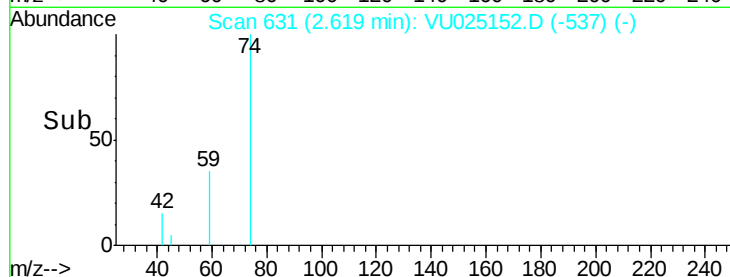
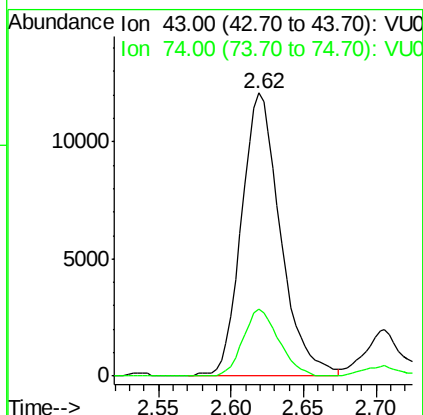
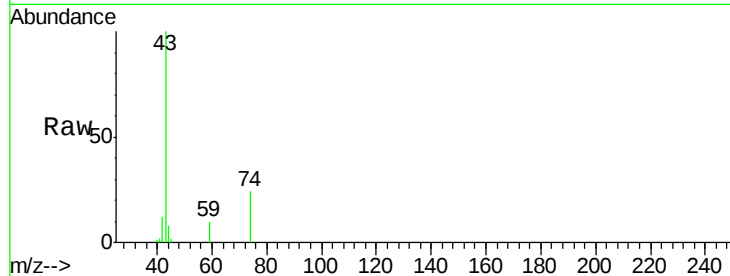




#18
Methyl Acetate
Concen: 5.64 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

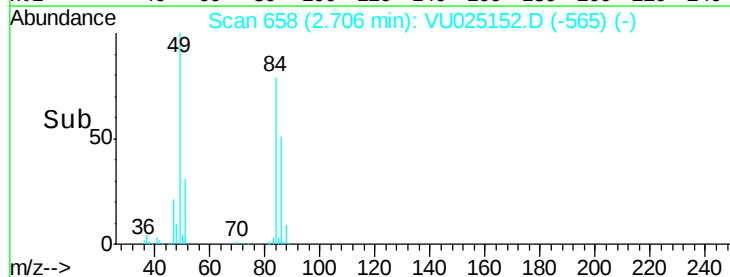
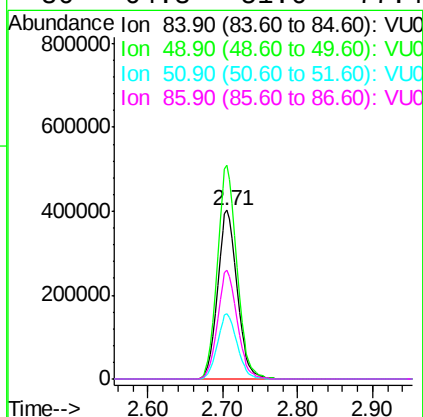
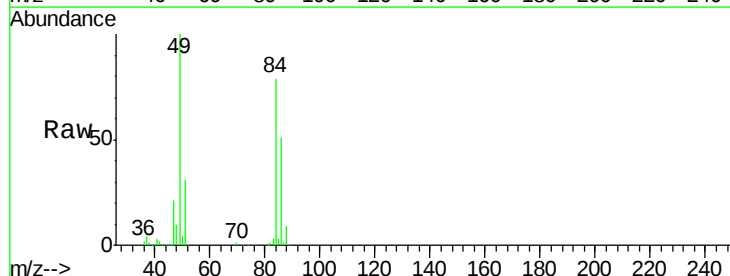
Instrument :
MSVOA_U
ClientSampleId :
TR-04-062918

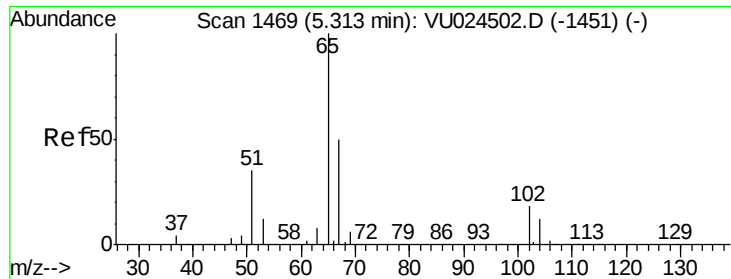
Tot Ion: 43 Resp: 22599
Ion Ratio Lower Upper
43 100
74 21.6 18.0 27.0



#20
Methylene Chloride
Concen: 249.26 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

Tgt Ion: 84 Resp: 730877
Ion Ratio Lower Upper
84 100
49 126.8 103.8 155.8
51 39.0 32.0 48.0
86 64.3 51.6 77.4

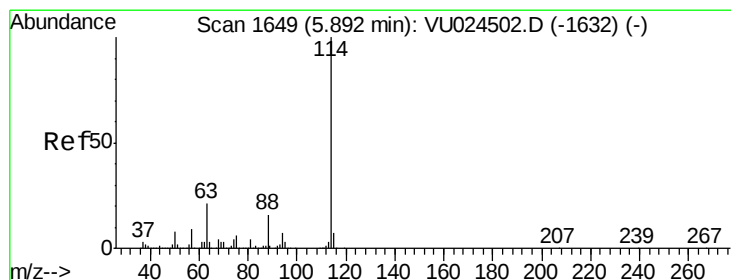
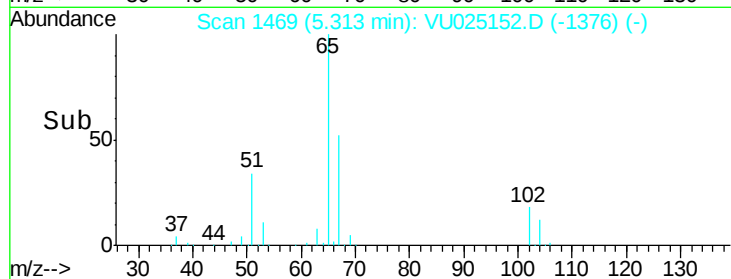
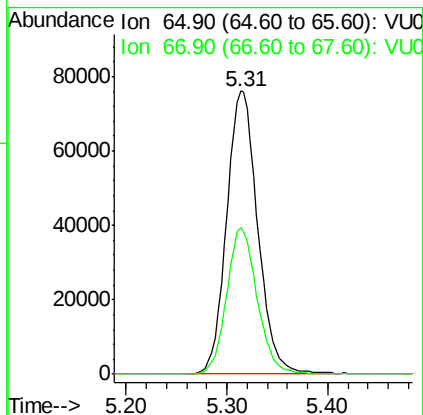
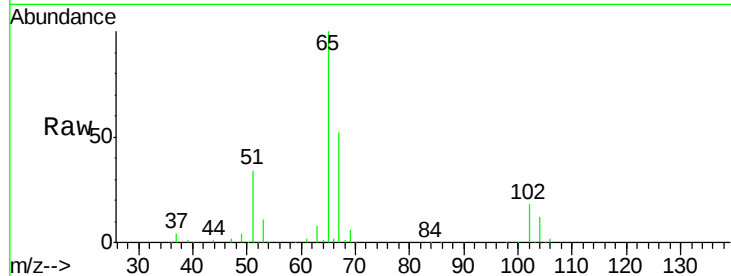




#33
 1,2-Dichloroethane-d4
 Concen: 46.97 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025152.D
 Acq: 02 Jul 2018 18:52

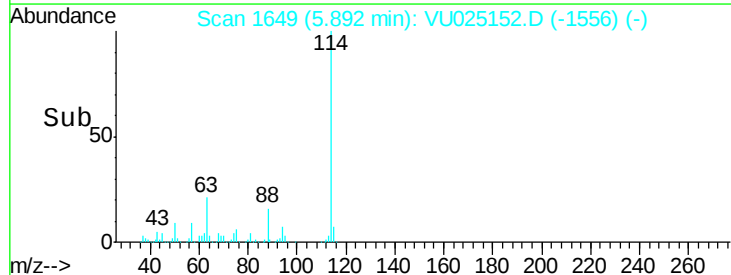
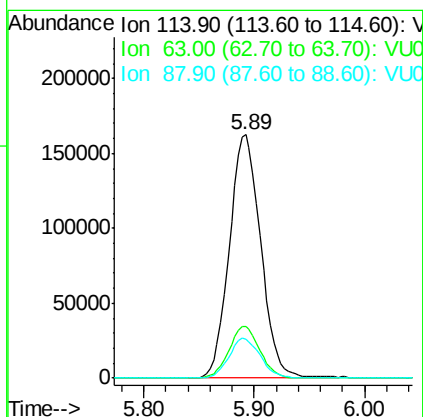
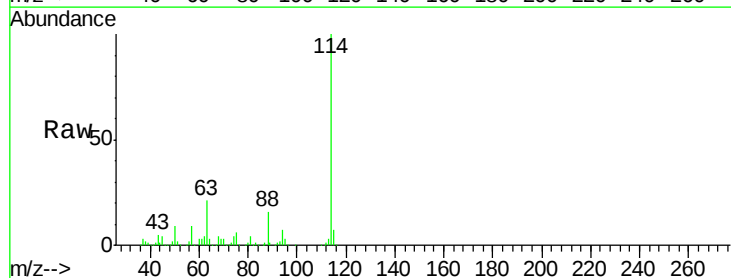
Instrument :
 MSVOA_U
 ClientSampleId :
 TR-04-062918

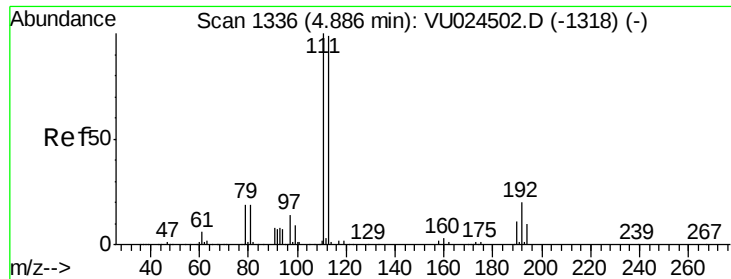
Tot Ion: 65 Resp: 163346
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025152.D
 Acq: 02 Jul 2018 18:52

Tgt Ion: 114 Resp: 321321
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 45.4
 88 16.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.11 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

TR-04-062918

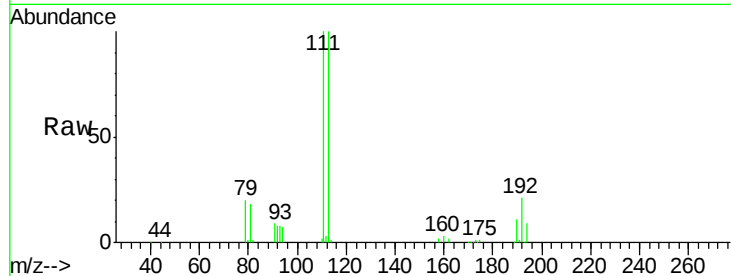
Tot Ion:113 Resp: 128297

Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.4

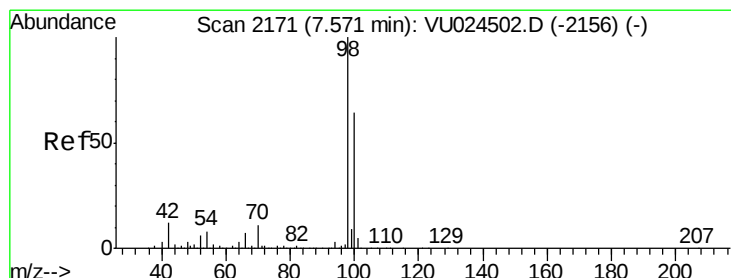
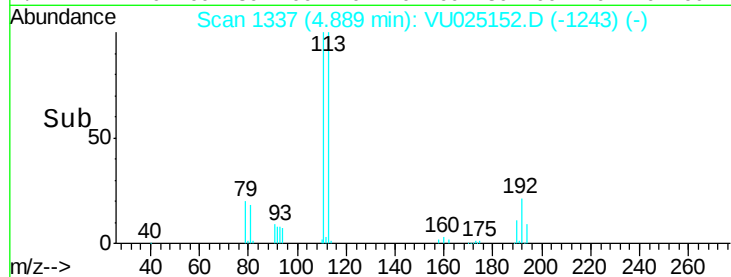
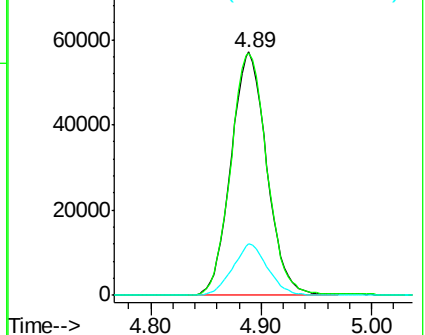
192 20.6 16.2 24.4



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



#50

Toluene-d8

Concen: 47.10 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025152.D

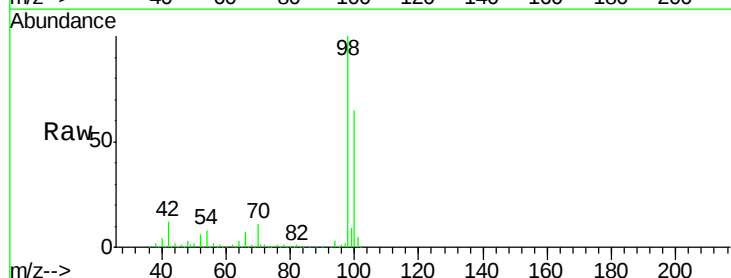
Acq: 02 Jul 2018 18:52

Tgt Ion: 98 Resp: 458140

Ion Ratio Lower Upper

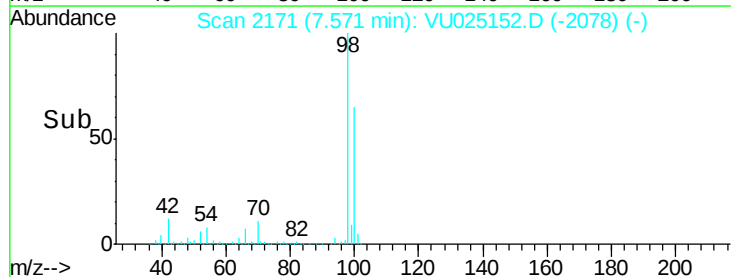
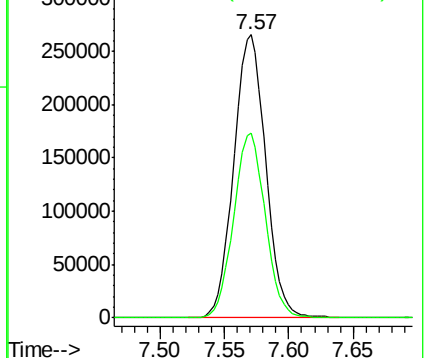
98 100

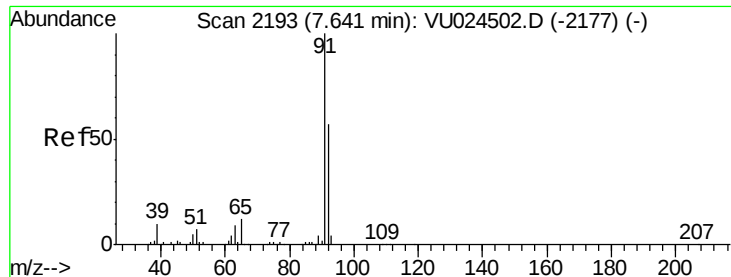
100 64.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#52

Toluene

Concen: 1.76 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

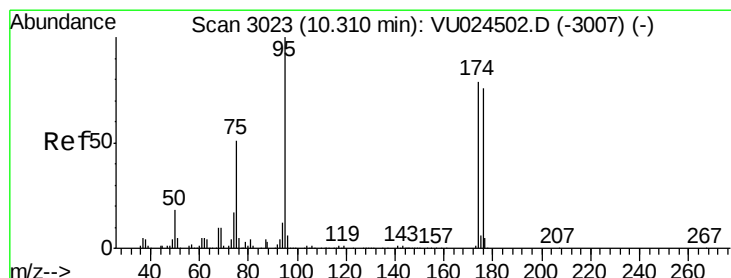
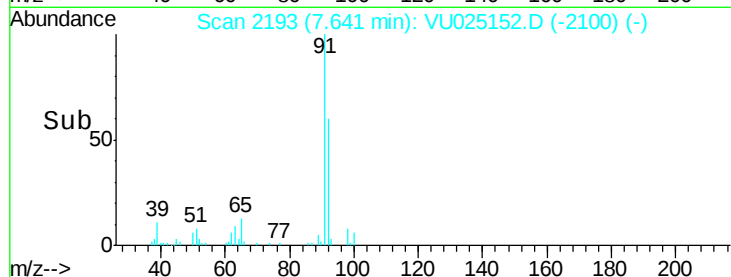
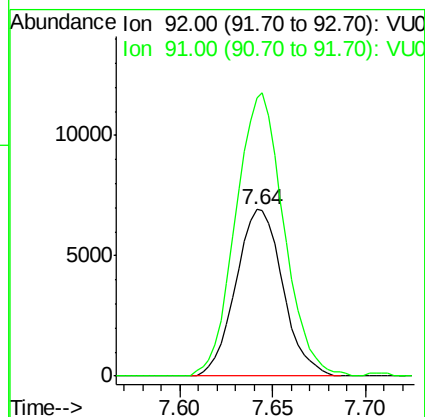
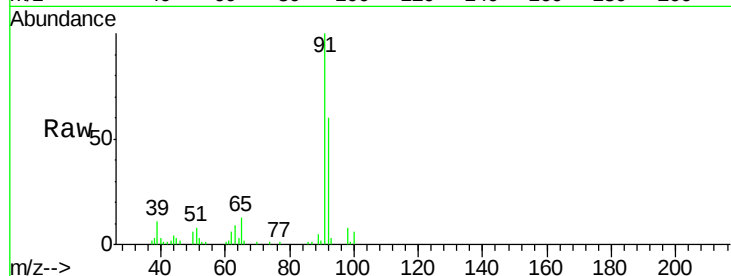
TR-04-062918

Tot Ion: 92 Resp: 12211

Ion Ratio Lower Upper

92 100

91 174.0 140.5 210.7



#62

4-Bromofluorobenzene

Concen: 44.26 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

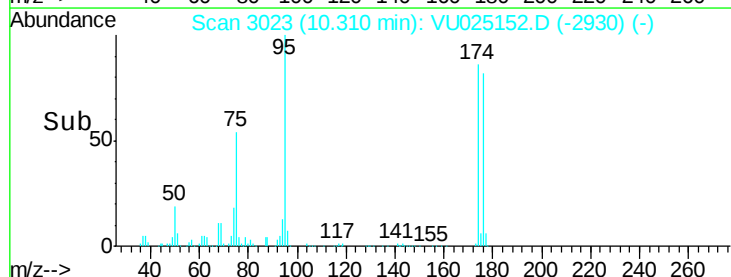
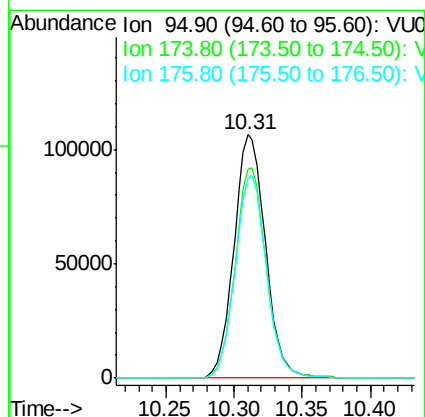
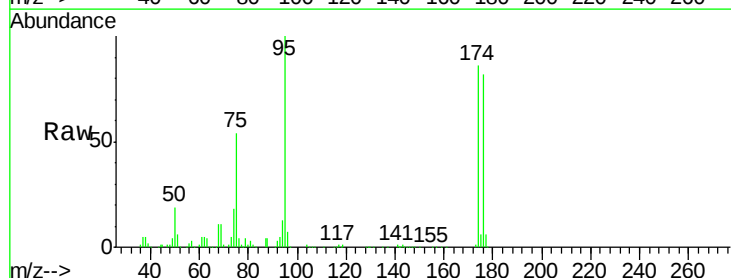
Tgt Ion: 95 Resp: 170931

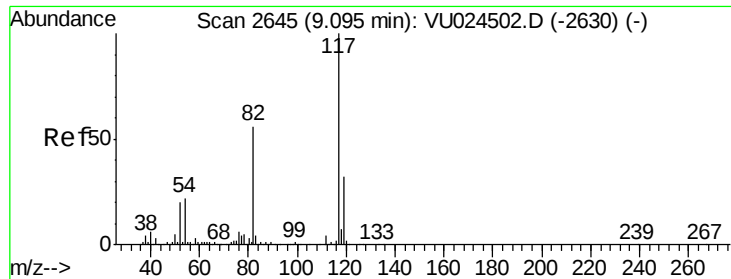
Ion Ratio Lower Upper

95 100

174 85.2 0.0 165.8

176 82.9 0.0 159.4

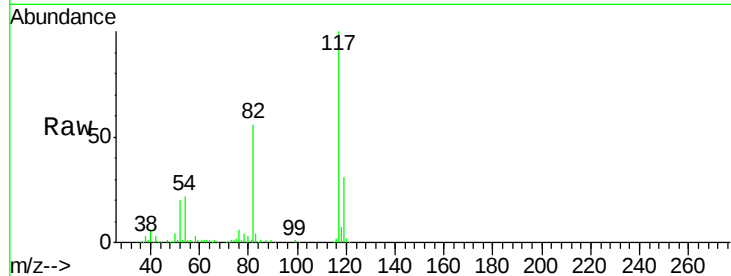




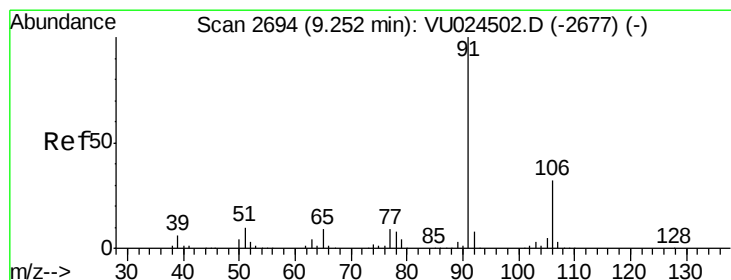
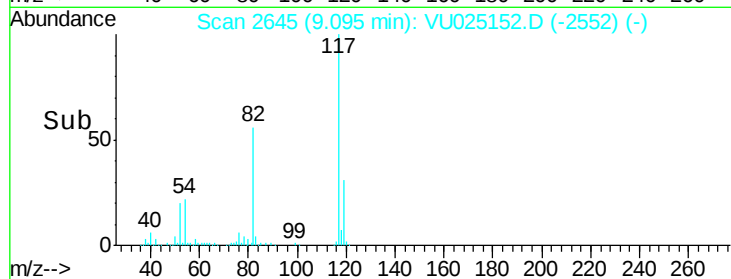
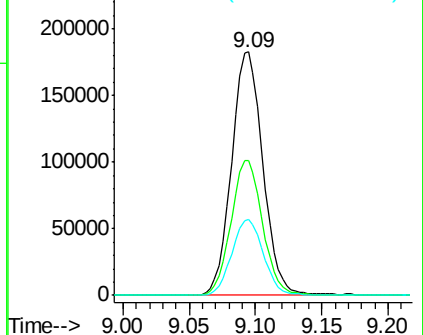
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

Instrument :
MSVOA_U
ClientSampleId :
TR-04-062918

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.3	66.5
119	31.4	25.4	38.2

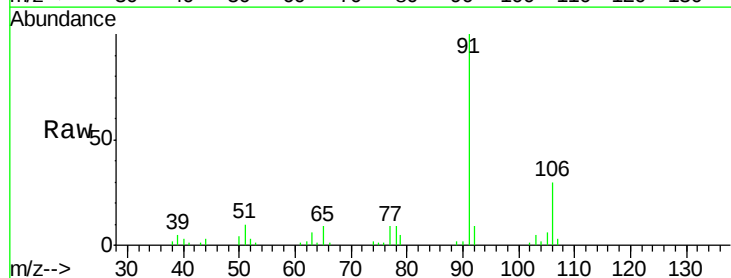


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

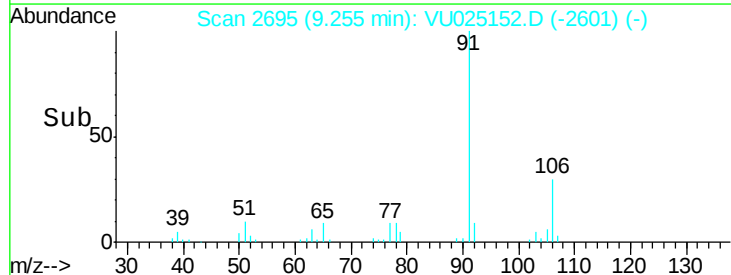
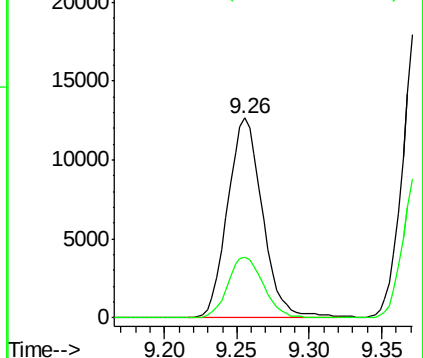


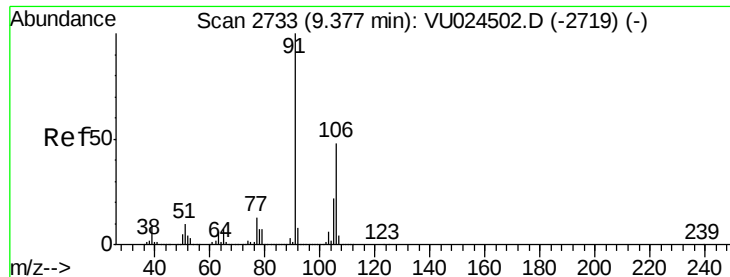
#67
Ethyl Benzene
Concen: 1.57 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.2	36.4



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





#68

m/p-Xylenes

Concen: 3.53 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

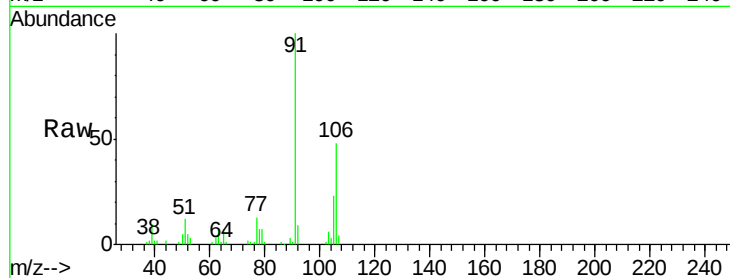
TR-04-062918

Tot Ion:106 Resp: 18229

Ion Ratio Lower Upper

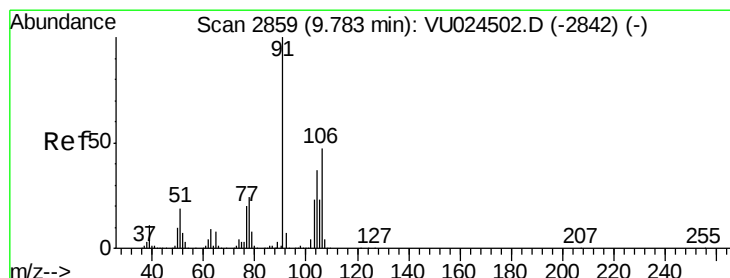
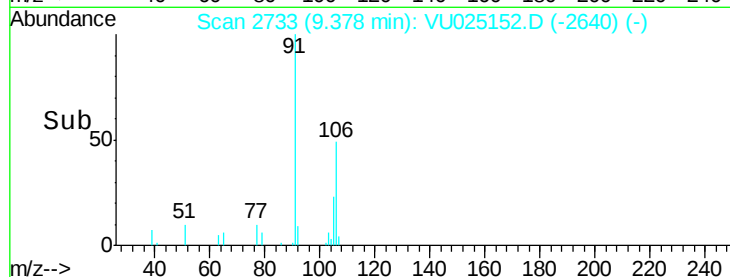
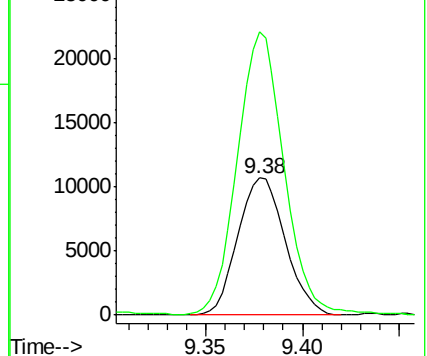
106 100

91 204.0 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 1.52 ug/l

RT: 9.79 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VU025152.D

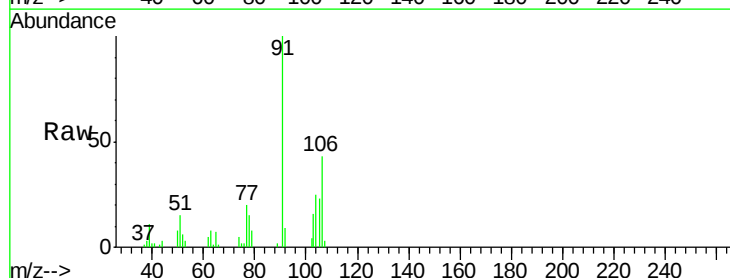
Acq: 02 Jul 2018 18:52

Tgt Ion:106 Resp: 7783

Ion Ratio Lower Upper

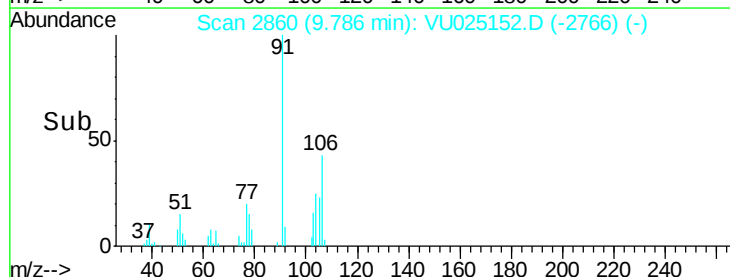
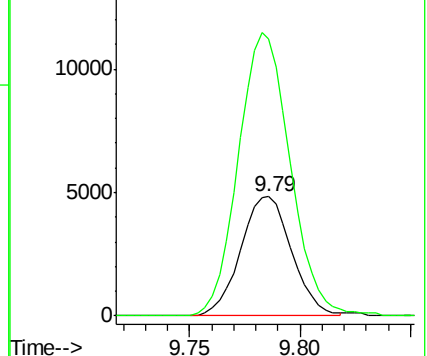
106 100

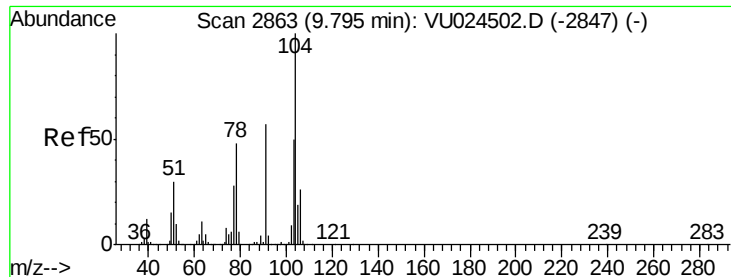
91 240.8 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

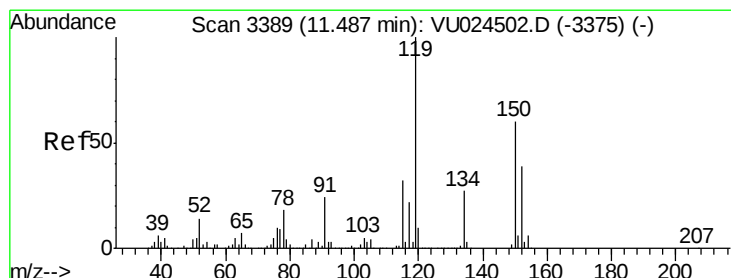
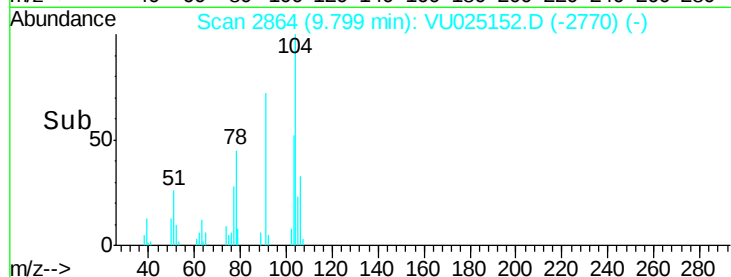
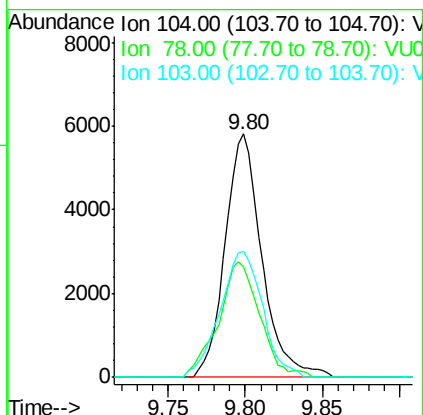
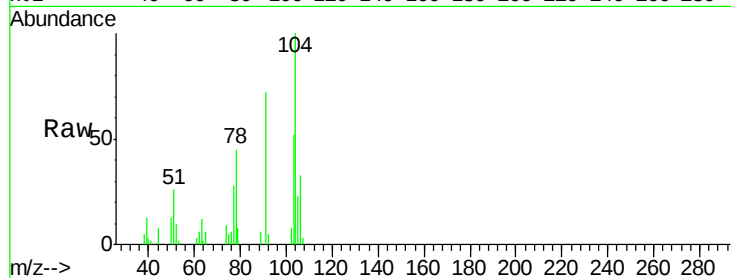




#70
Stvrene
Concen: 1.14 ug/l
RT: 9.80 min Scan# 2864
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

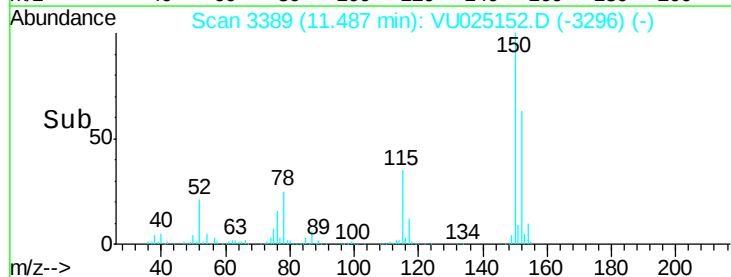
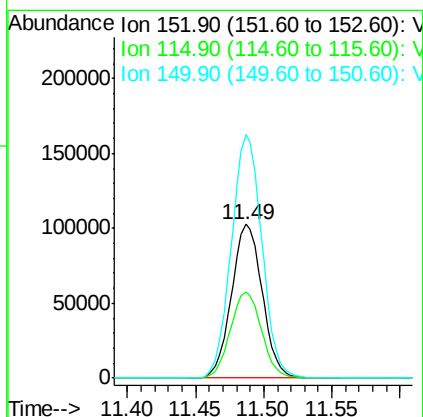
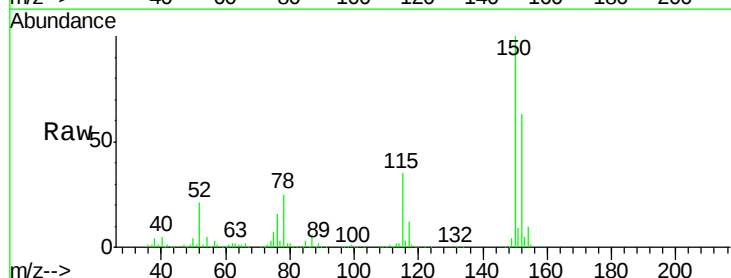
Instrument :
MSVOA_U
ClientSampleId :
TR-04-062918

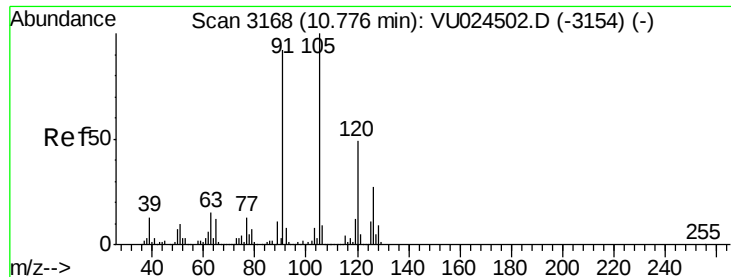
Tot Ion:104 Resp: 9571
Ion Ratio Lower Upper
104 100
78 53.4 40.6 60.8
103 59.9 44.7 67.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

Tgt Ion:152 Resp: 161207
Ion Ratio Lower Upper
152 100
115 56.8 43.0 129.0
150 157.2 0.0 354.0





#80

1,3,5-Trimethylbenzene

Concen: 1.16 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

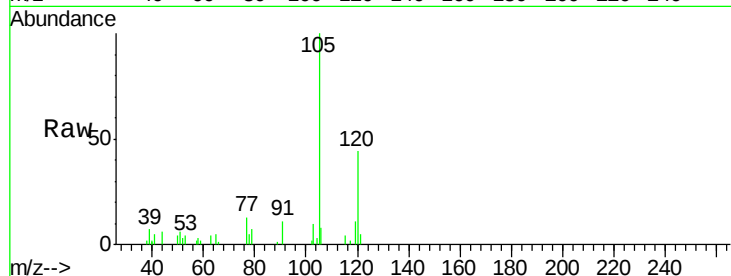
TR-04-062918

Tot Ion:105 Resp: 12485

Ion Ratio Lower Upper

105 100

120 44.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

8000

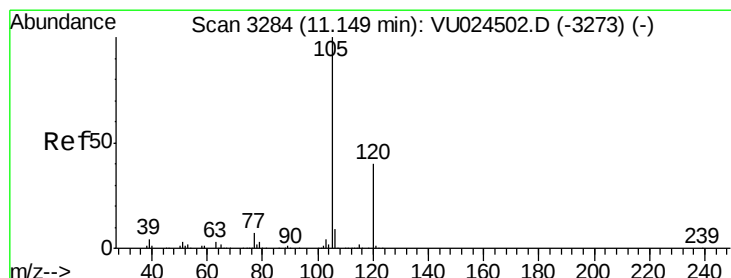
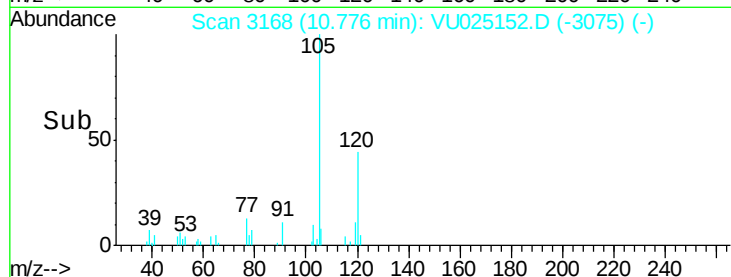
6000

4000

2000

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 4.24 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025152.D

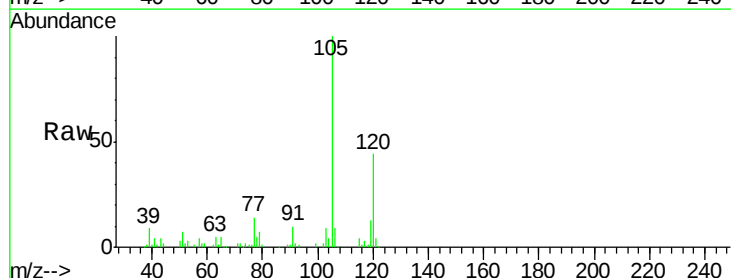
Acq: 02 Jul 2018 18:52

Tgt Ion:105 Resp: 46367

Ion Ratio Lower Upper

105 100

120 44.9 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

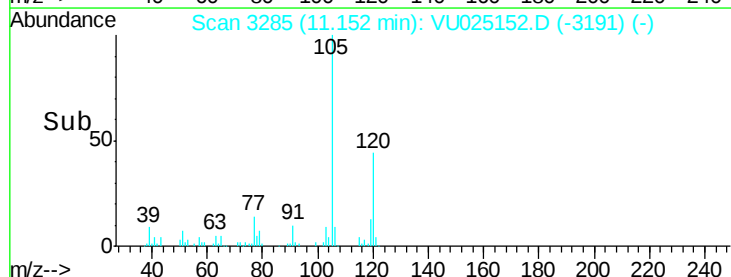
30000

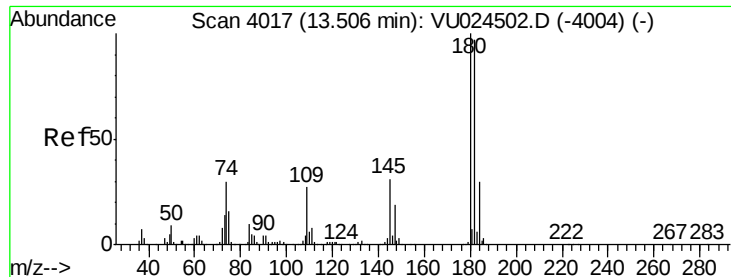
20000

10000

0

Time-->

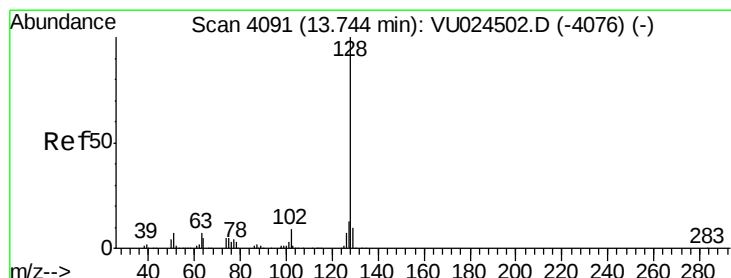
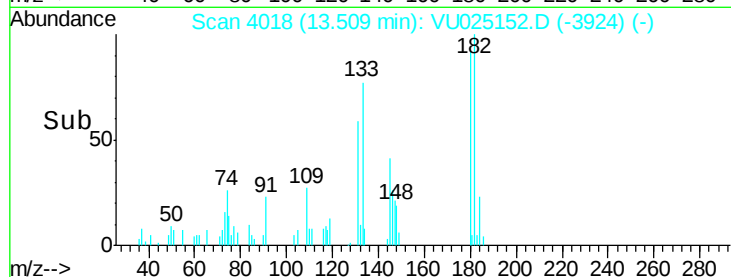
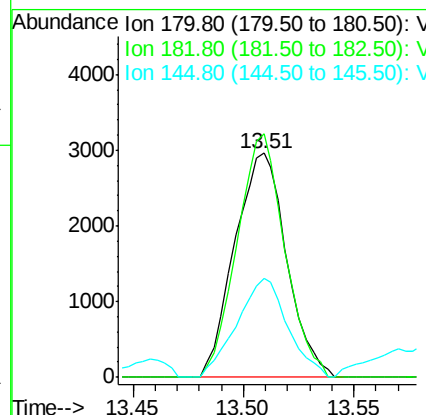
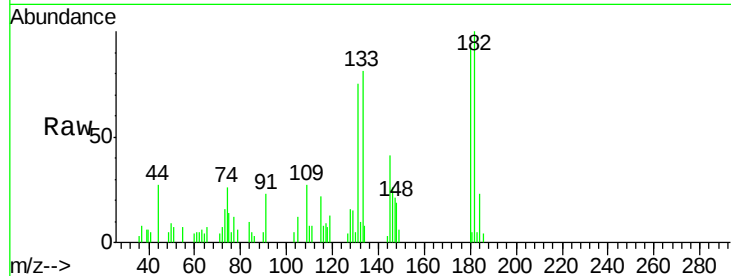




#93
 1,2,4-Trichlorobenzene
 Concen: 1.35 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025152.D
 Acq: 02 Jul 2018 18:52

Instrument :
 MSVOA_U
 ClientSampleId :
 TR-04-062918

Tot Ion:180 Resp: 4844
 Ion Ratio Lower Upper
 180 100
 182 99.4 48.0 144.2
 145 43.1 14.7 44.1



#95
 Naphthalene
 Concen: 53.00 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. 0.00 min
 Lab File: VU025152.D
 Acq: 02 Jul 2018 18:52

Tgt Ion:128 Resp: 628786
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.6 16.0
 129 10.7 8.6 12.8

