

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025186.D
 Acq On : 03 Jul 2018 13:14
 Operator : MD/SY
 Sample : J3759-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW358-180626

Quant Time: Jul 04 05:24:29 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

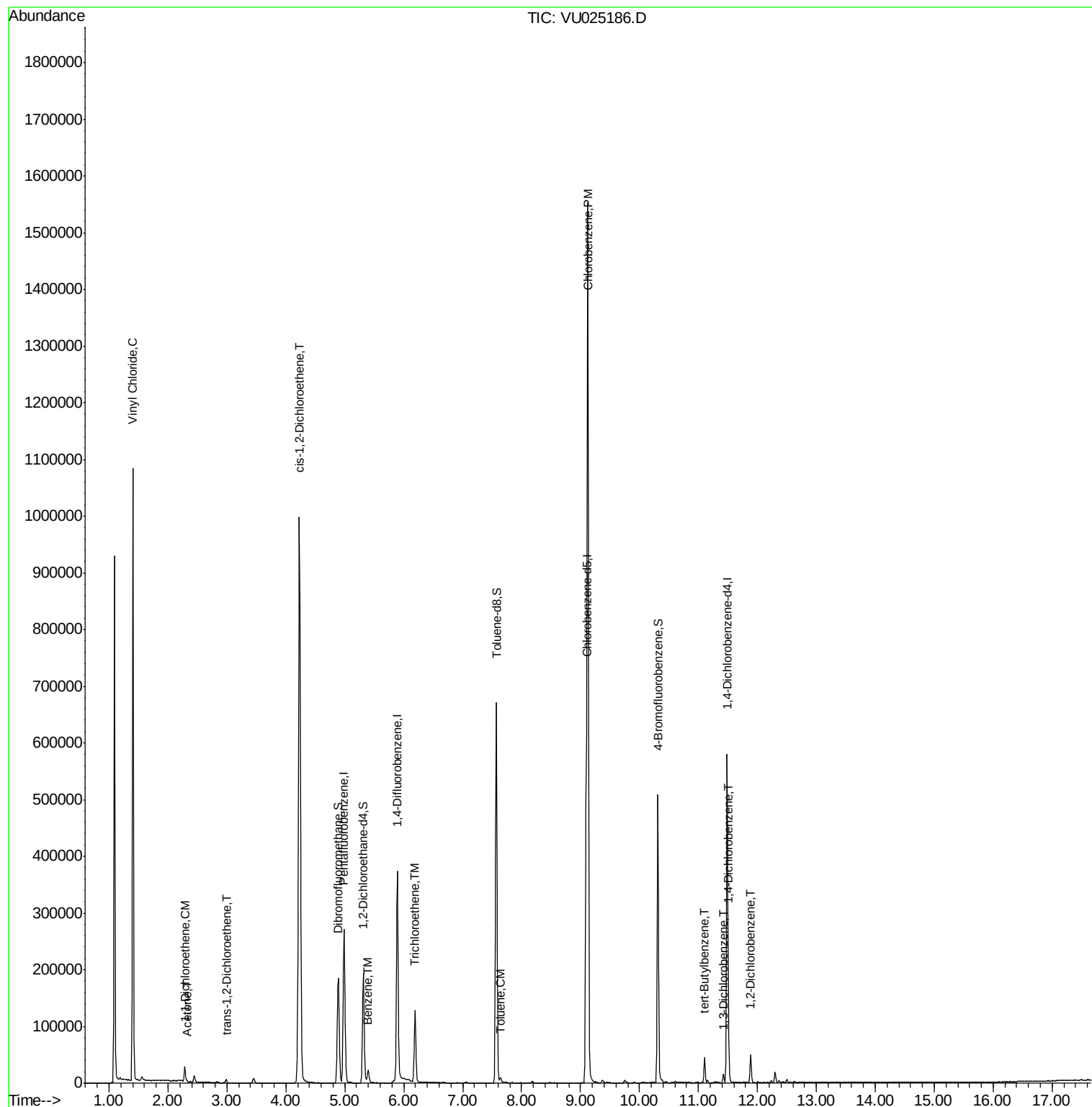
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	211275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	315225	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	290816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151482	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	157051	45.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.06%	
35) Dibromofluoromethane	4.89	113	124096	47.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.88%	
50) Toluene-d8	7.57	98	447448	46.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.78%	
62) 4-Bromofluorobenzene	10.31	95	167109	44.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.22%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	681987	244.767	ug/l	98
12) 1,1-Dichloroethene	2.29	96	8608	3.578	ug/l	98
16) Acetone	2.33	43	3548	1.915	ug/l	89
21) trans-1,2-Dichloroethene	2.99	96	2260	0.853	ug/l	86
27) cis-1,2-Dichloroethene	4.23	96	556395	182.655	ug/l	89
40) Benzene	5.39	78	21683	2.054	ug/l	99
44) Trichloroethene	6.19	130	44683	14.875	ug/l	97
52) Toluene	7.64	92	3300	0.486	ug/l	95
65) Chlorobenzene	9.12	112	815813	109.810	ug/l	98
83) tert-Butylbenzene	11.10	119	21132	2.179	ug/l	91
87) 1,3-Dichlorobenzene	11.42	146	6860	1.261	ug/l	96
88) 1,4-Dichlorobenzene	11.51	146	12925	2.361	ug/l	89
91) 1,2-Dichlorobenzene	11.89	146	20878	3.832	ug/l	100

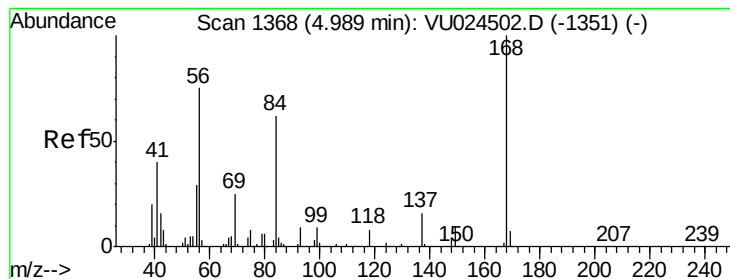
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025186.D

Acq: 03 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

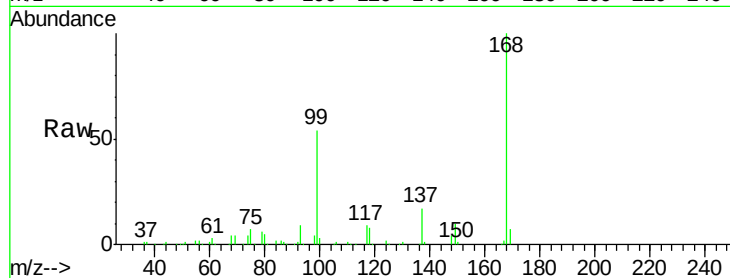
WP021MW358-180626

Tot Ion:168 Resp: 211275

Ion Ratio Lower Upper

168 100

99 54.4 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

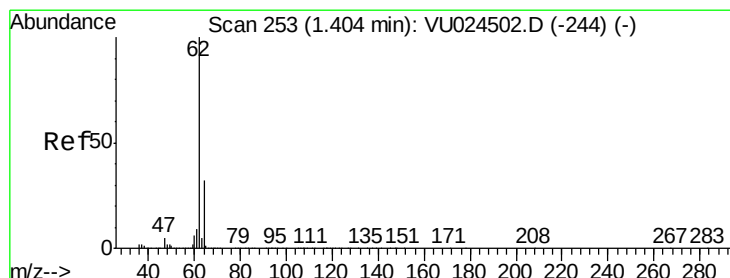
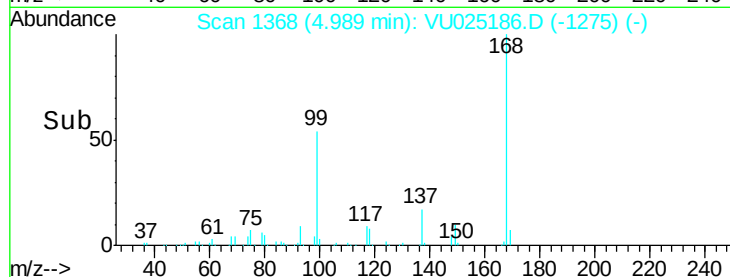
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#4

Vinyl Chloride

Concen: 244.767 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025186.D

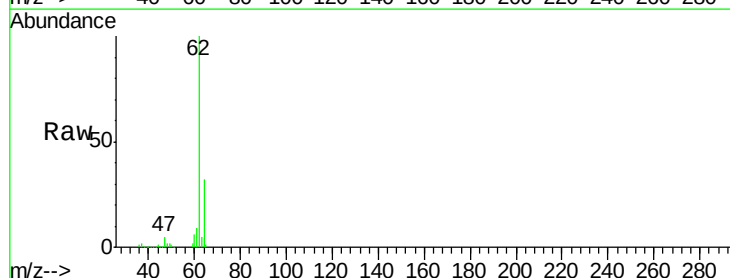
Acq: 03 Jul 2018 13:14

Tgt Ion: 62 Resp: 681987

Ion Ratio Lower Upper

62 100

64 32.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU024502.D (-244) (-)

1.40

600000

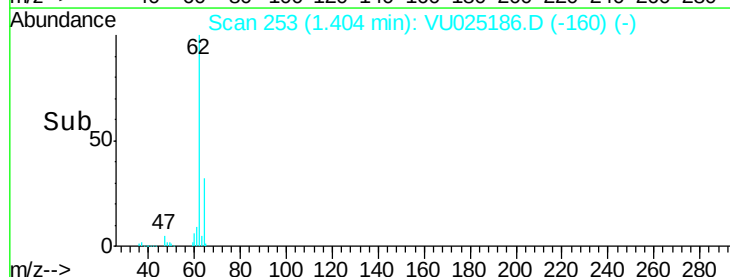
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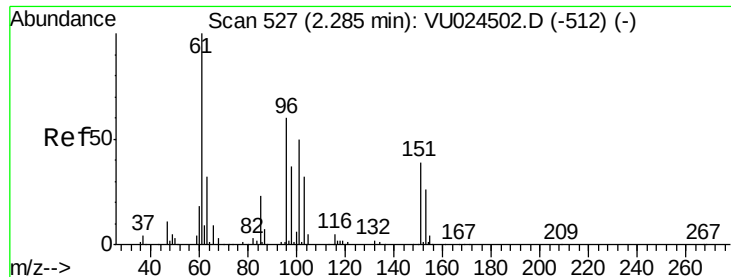
200000

0

Time-->

1.35 1.40 1.45 1.50 1.55





#12

1,1-Dichloroethene

Concen: 3.578 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025186.D

Acq: 03 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

WP021MW358-180626

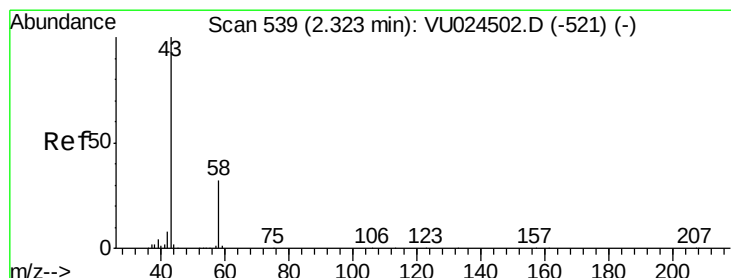
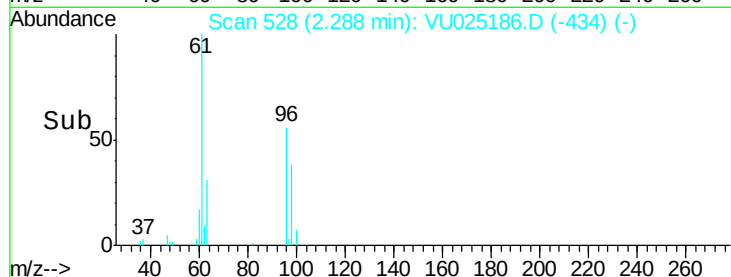
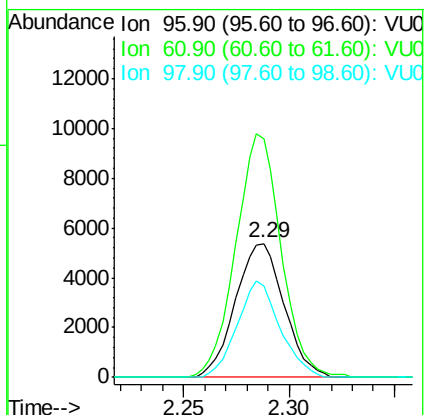
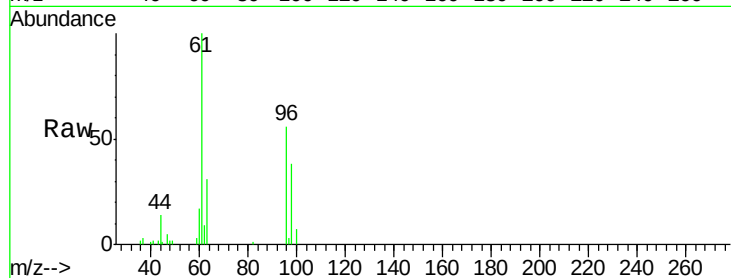
Tot Ion: 96 Resp: 8608

Ion Ratio Lower Upper

96 100

61 178.4 141.7 212.5

98 68.2 51.6 77.4



#16

Acetone

Concen: 1.915 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025186.D

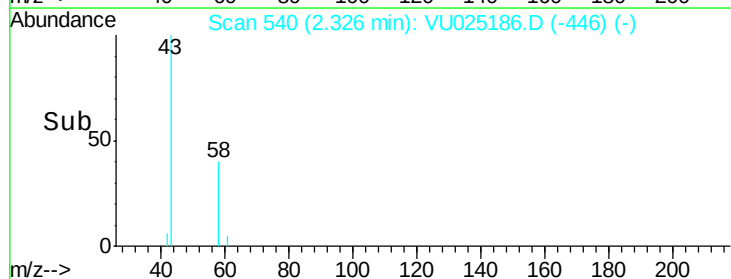
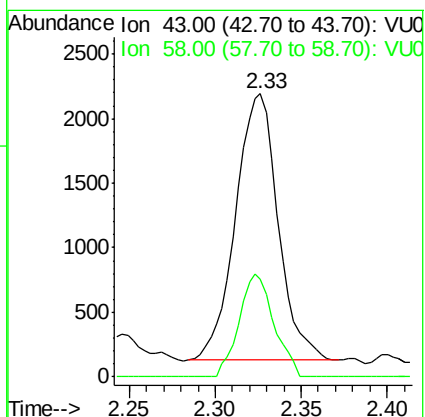
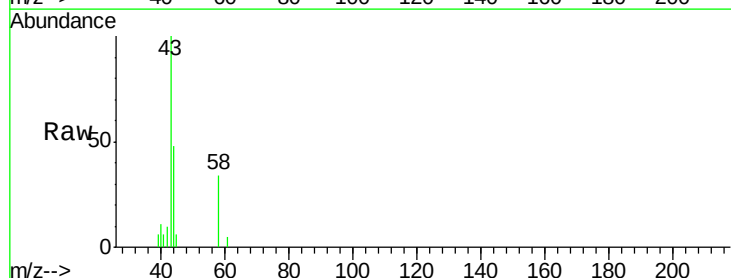
Acq: 03 Jul 2018 13:14

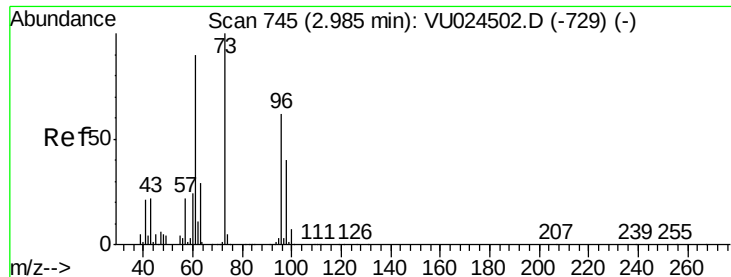
Tgt Ion: 43 Resp: 3548

Ion Ratio Lower Upper

43 100

58 36.5 24.4 36.6





#21

trans-1,2-Dichloroethene

Concen: 0.853 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025186.D

Acq: 03 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

WP021MW358-180626

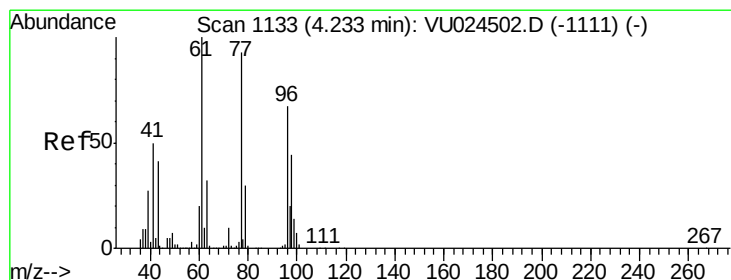
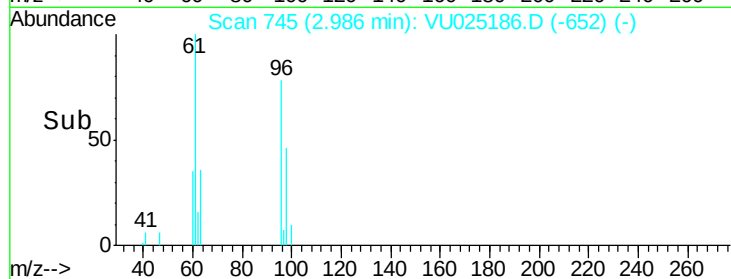
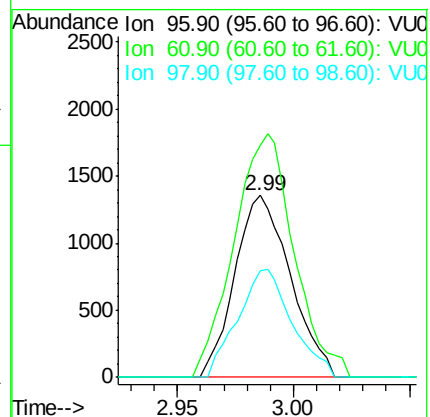
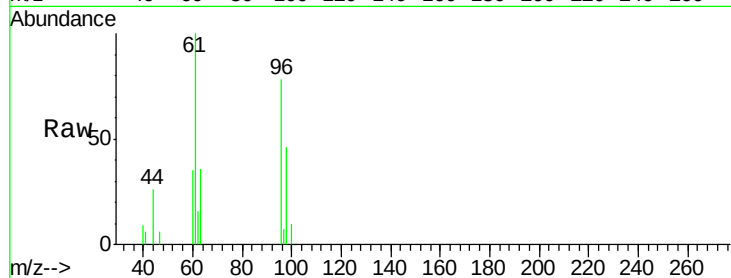
Tot Ion: 96 Resp: 2260

Ion Ratio Lower Upper

96 100

61 127.6 119.4 179.0

98 58.9 51.1 76.7



#27

cis-1,2-Dichloroethene

Concen: 182.655 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025186.D

Acq: 03 Jul 2018 13:14

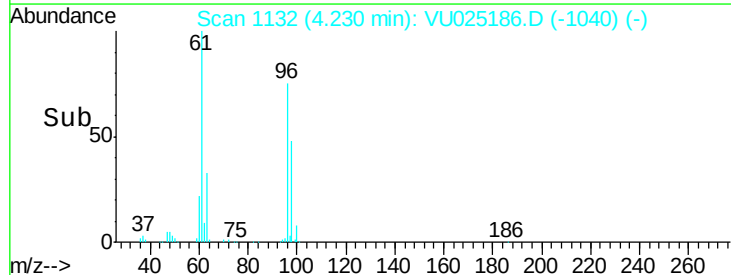
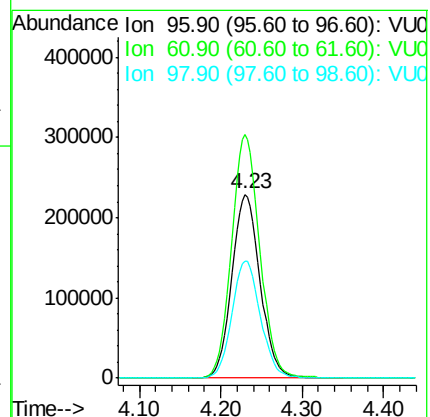
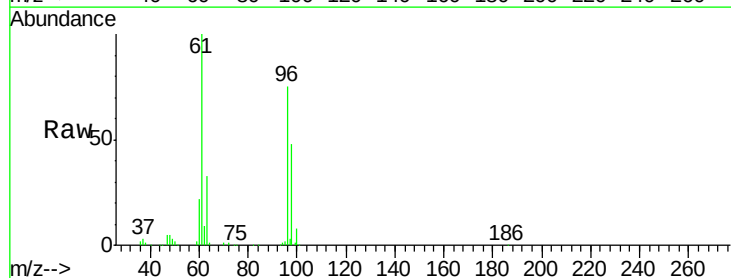
Tgt Ion: 96 Resp: 556395

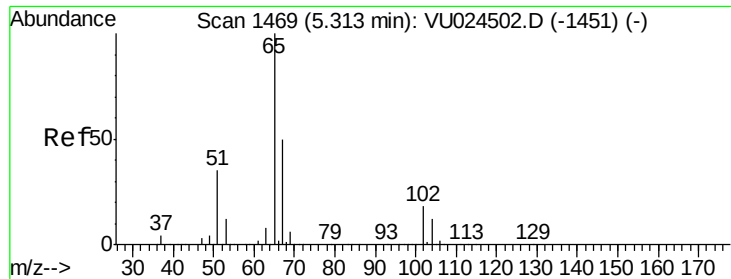
Ion Ratio Lower Upper

96 100

61 132.6 0.0 306.6

98 64.2 0.0 128.8

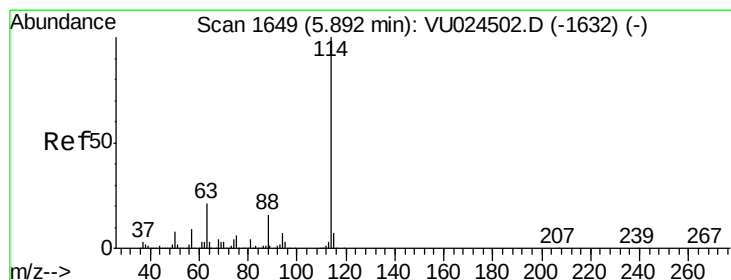
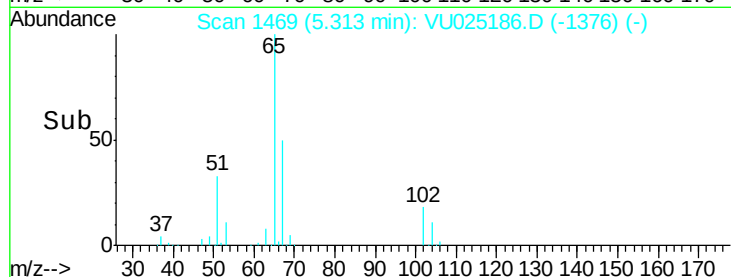
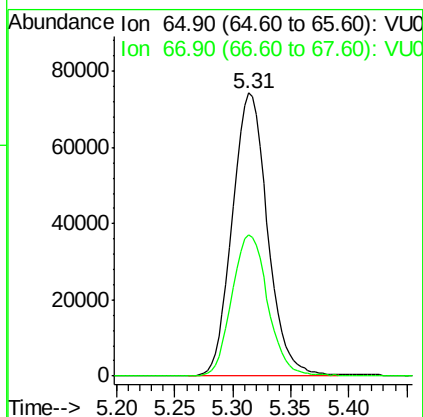
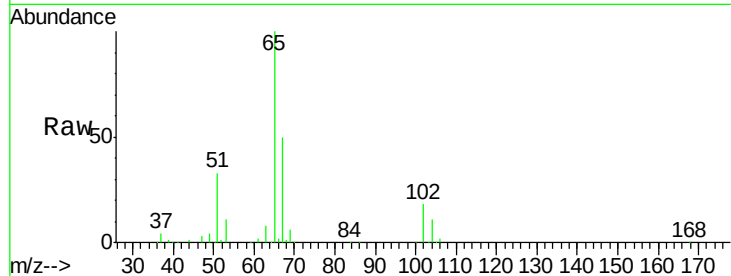




#33
 1,2-Dichloroethane-d4
 Concen: 45.534 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025186.D
 Acq: 03 Jul 2018 13:14

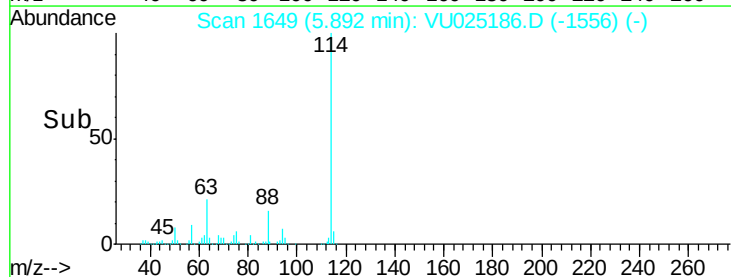
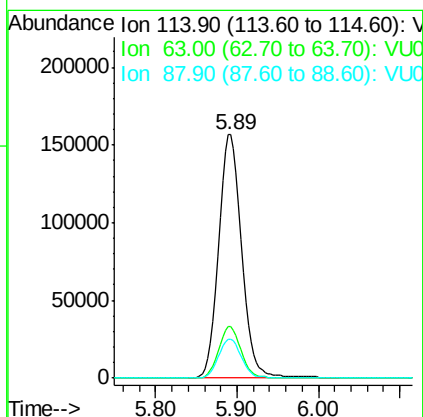
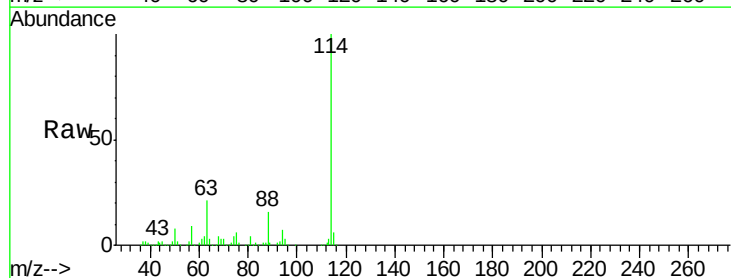
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW358-180626

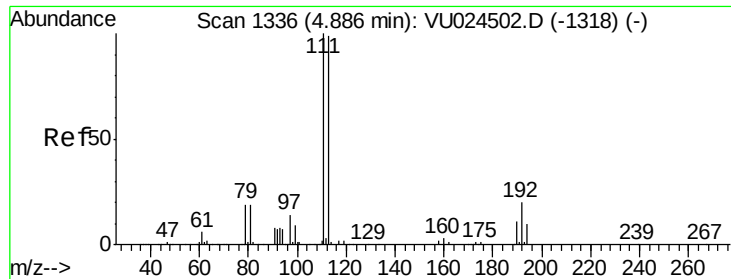
Tot Ion: 65 Resp: 157051
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025186.D
 Acq: 03 Jul 2018 13:14

Tgt Ion: 114 Resp: 315225
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 16.1 0.0 31.0

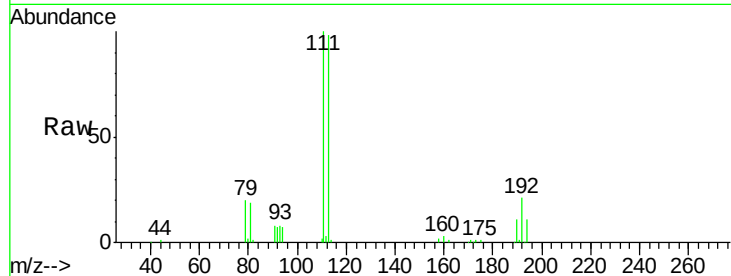




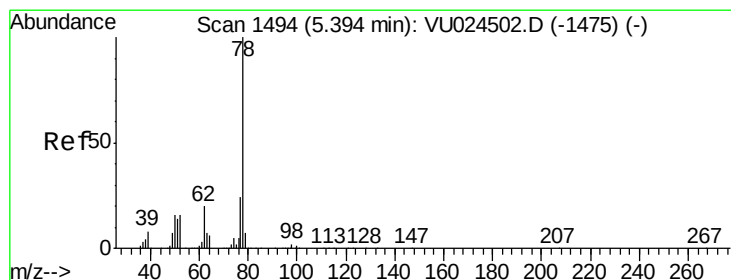
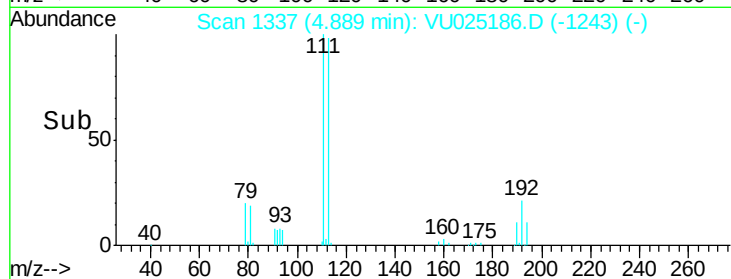
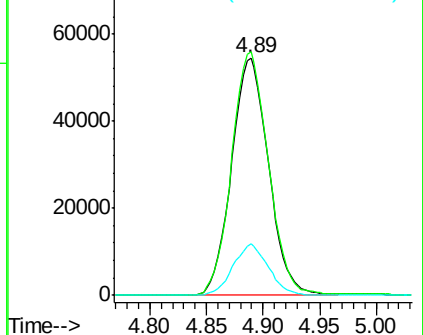
#35
 Dibromofluoromethane
 Concen: 47.435 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025186.D
 Acq: 03 Jul 2018 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW358-180626

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	20.8	16.2	24.4

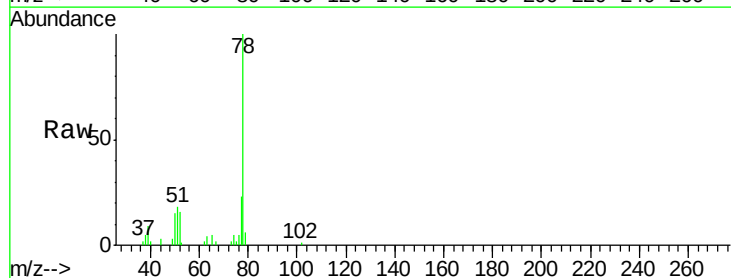


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

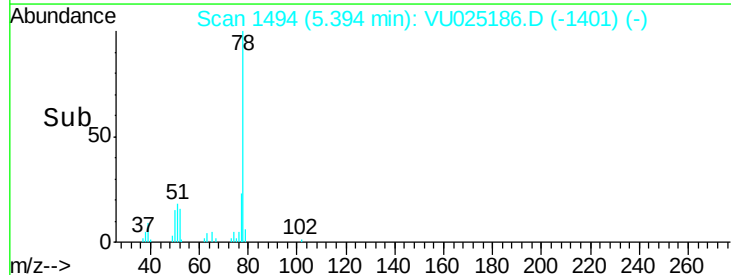
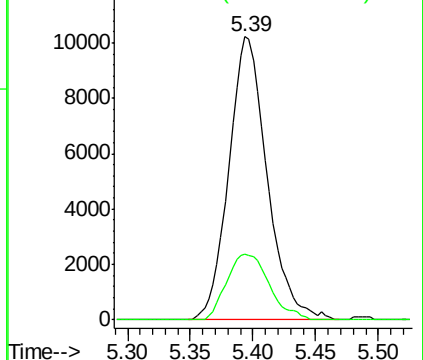


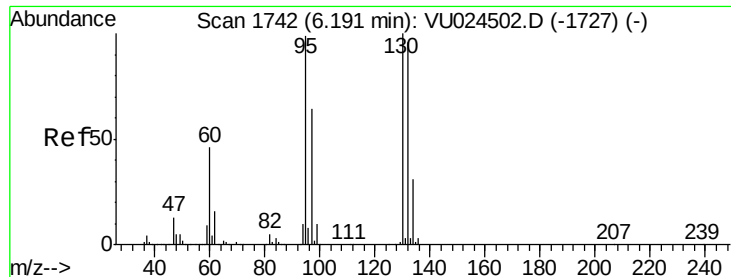
#40
 Benzene
 Concen: 2.054 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VU025186.D
 Acq: 03 Jul 2018 13:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#44

Trichloroethene

Concen: 14.875 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025186.D

Acq: 03 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

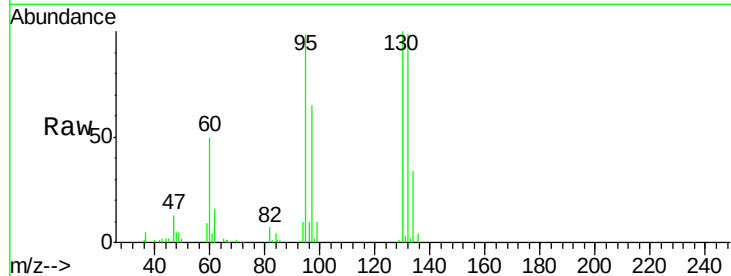
WP021MW358-180626

Tot Ion:130 Resp: 44683

Ion Ratio Lower Upper

130 100

95 98.5 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

25000

20000

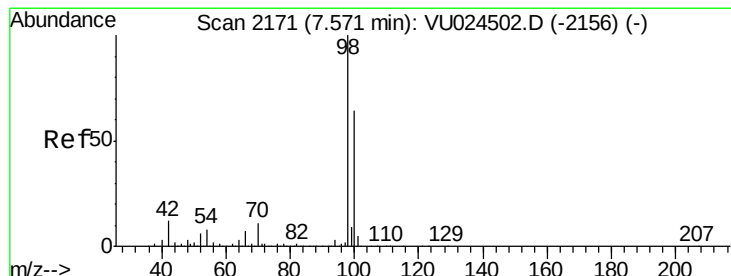
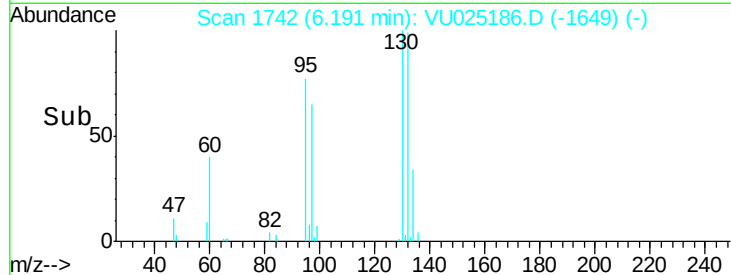
15000

10000

5000

0

Time-->



#50

Toluene-d8

Concen: 46.890 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025186.D

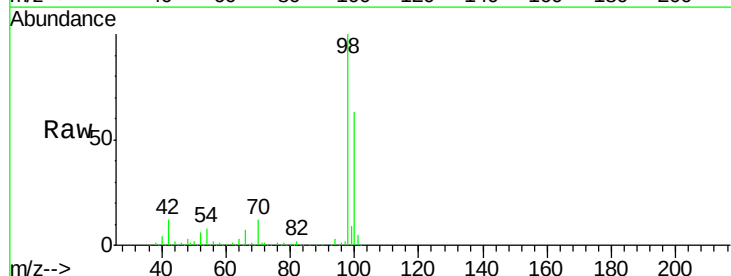
Acq: 03 Jul 2018 13:14

Tgt Ion: 98 Resp: 447448

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

7.57

300000

250000

200000

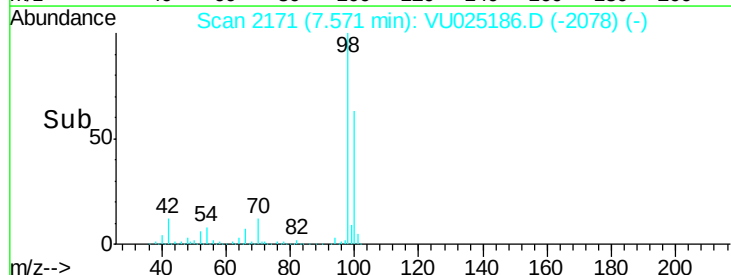
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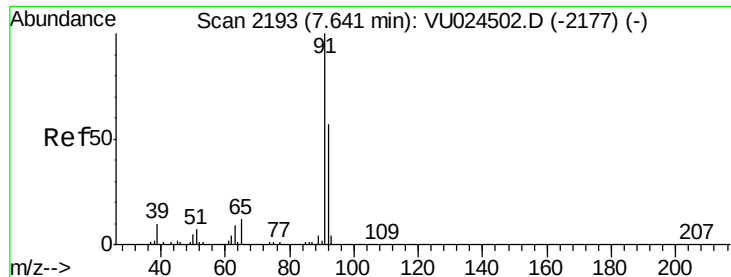
100000

50000

0

Time-->





#52

Toluene

Concen: 0.486 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU025186.D

Acq: 03 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

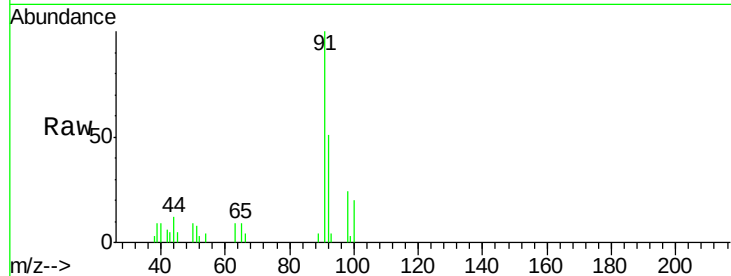
WP021MW358-180626

Tot Ion: 92 Resp: 3300

Ion Ratio Lower Upper

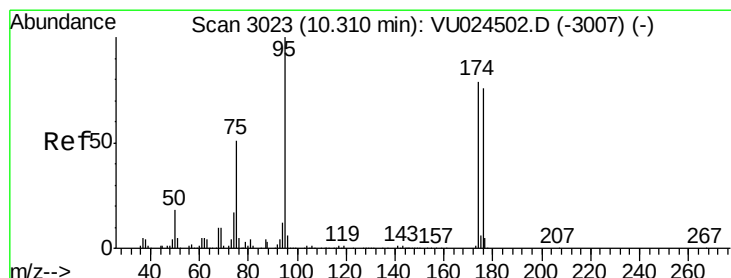
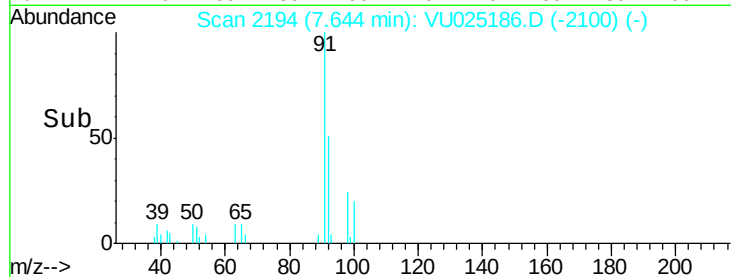
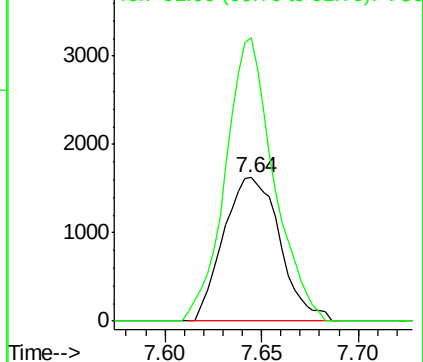
92 100

91 168.5 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 44.106 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU025186.D

Acq: 03 Jul 2018 13:14

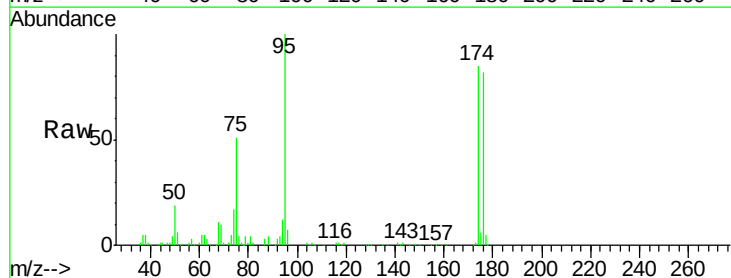
Tgt Ion: 95 Resp: 167109

Ion Ratio Lower Upper

95 100

174 84.4 0.0 165.8

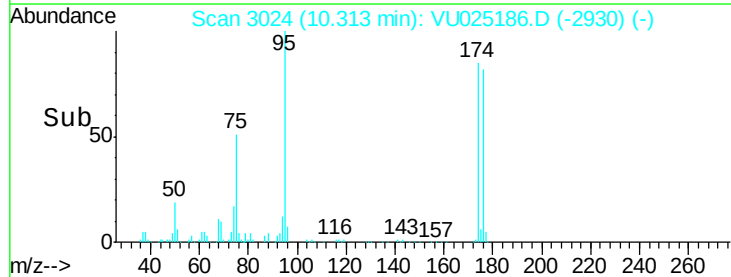
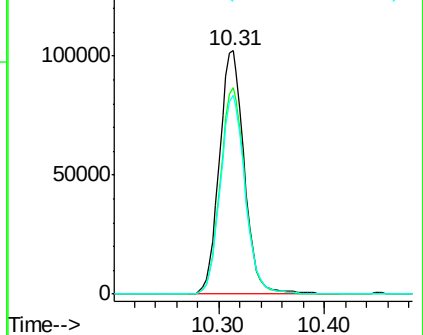
176 81.6 0.0 159.4

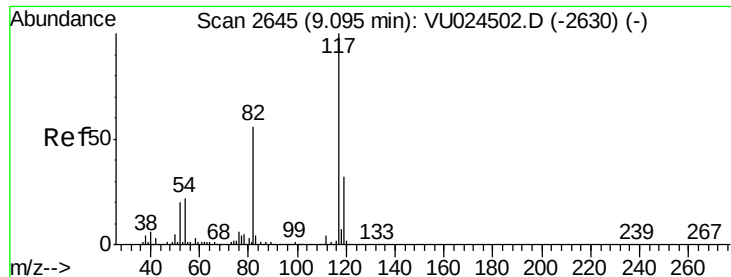


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

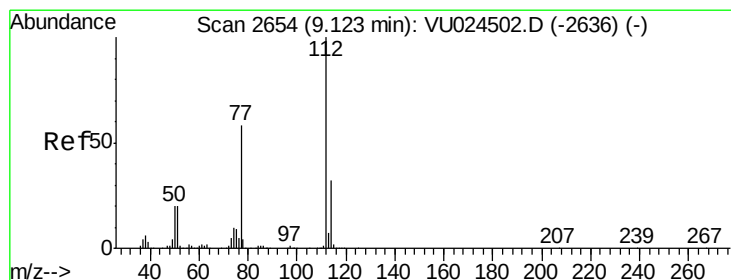
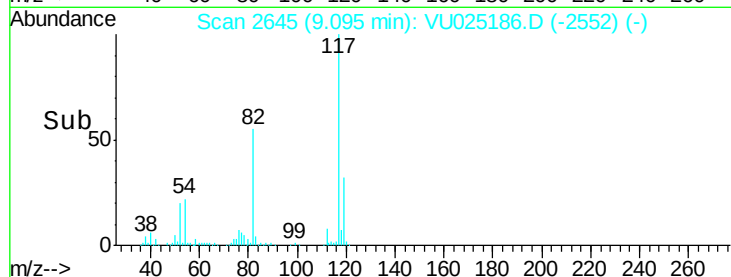
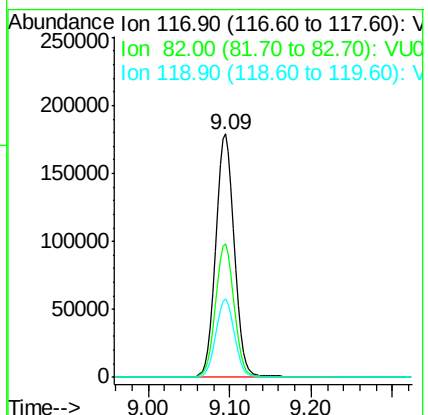
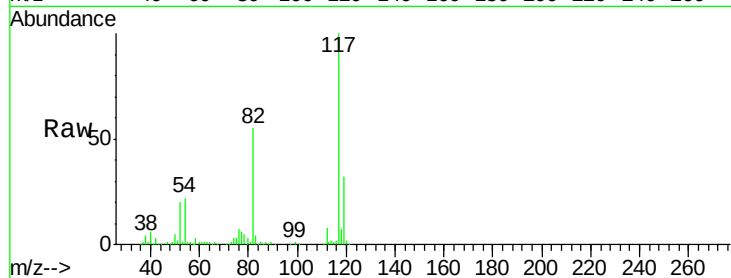




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025186.D
Acq: 03 Jul 2018 13:14

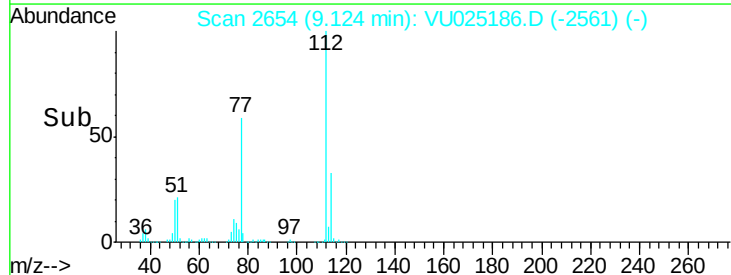
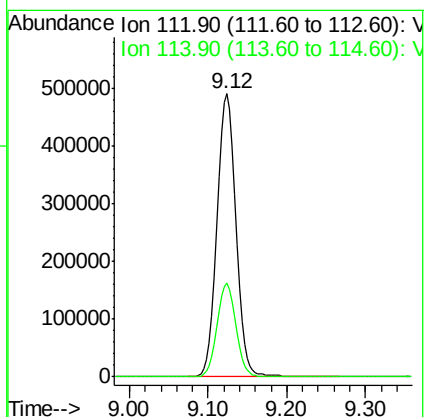
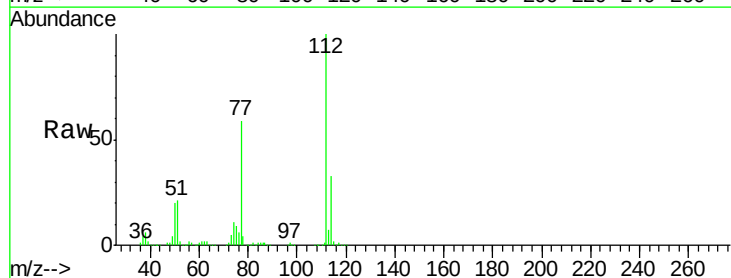
Instrument :
MSVOA_U
ClientSampleId :
WP021MW358-180626

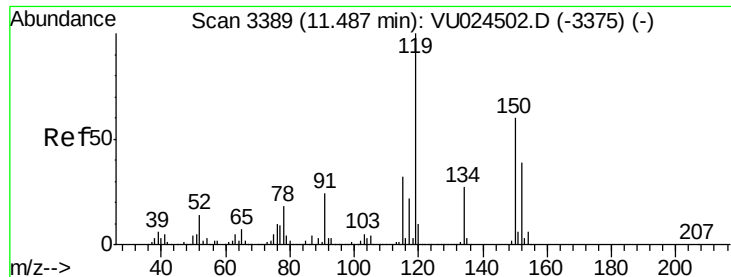
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.3	66.5
119	32.2	25.4	38.2



#65
Chlorobenzene
Concen: 109.810 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025186.D
Acq: 03 Jul 2018 13:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.6	38.4

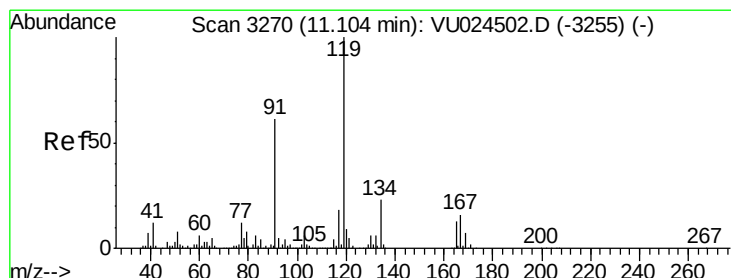
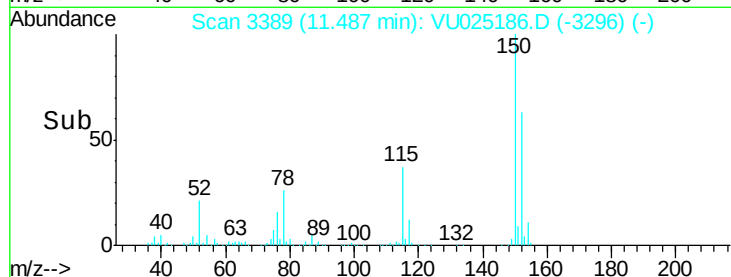
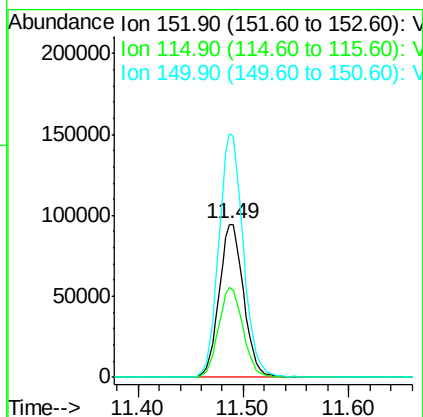
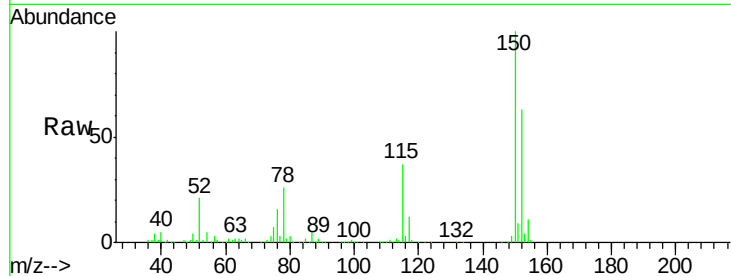




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU025186.D
 Acq: 03 Jul 2018 13:14

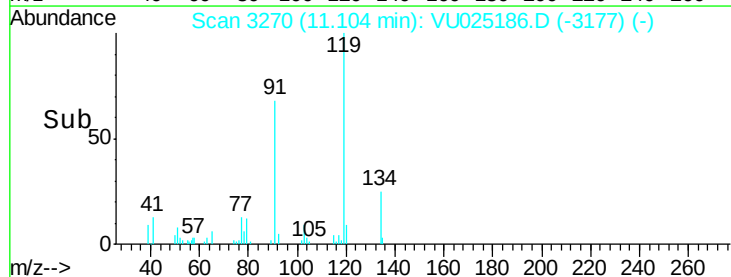
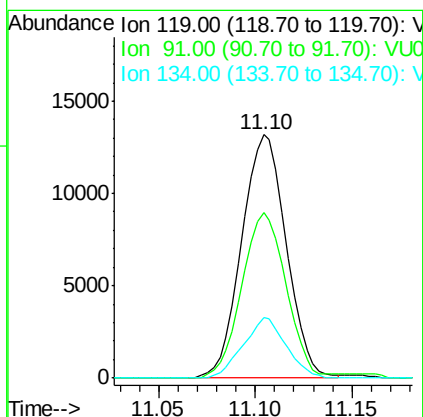
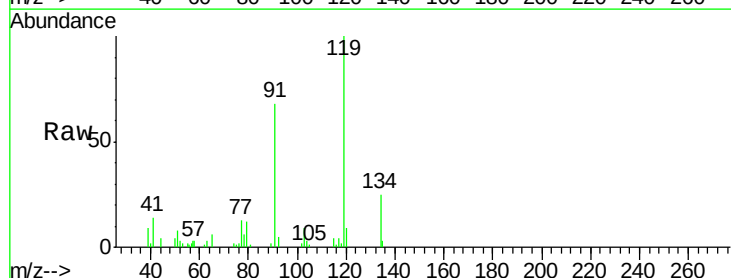
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW358-180626

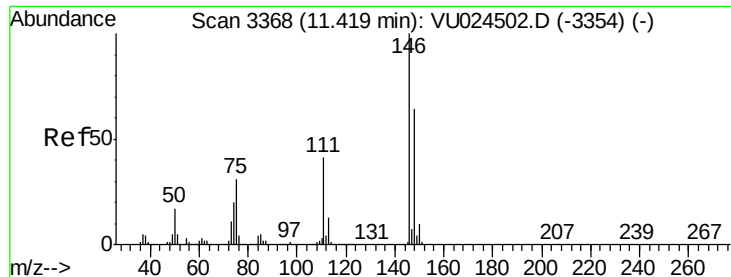
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.5	43.0	129.0
150	158.2	0.0	354.0



#83
 tert-Butylbenzene
 Concen: 2.179 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025186.D
 Acq: 03 Jul 2018 13:14

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.9	29.7	89.1
134	23.8	11.6	34.7

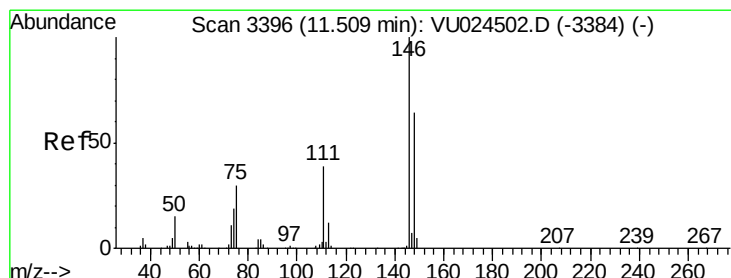
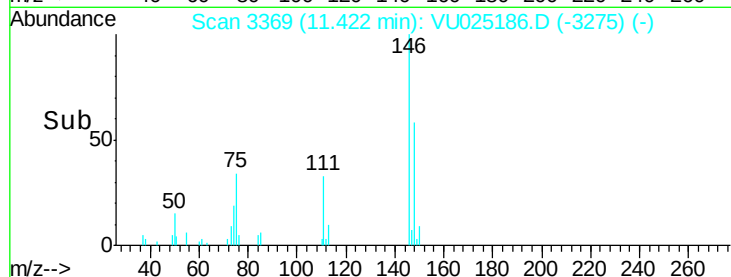
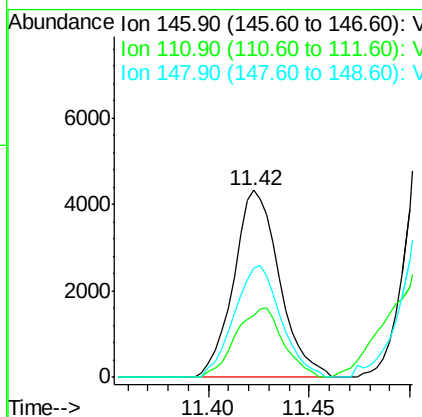
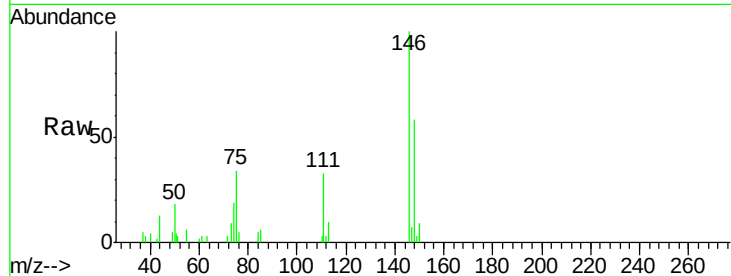




#87
 1,3-Dichlorobenzene
 Concen: 1.261 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025186.D
 Acq: 03 Jul 2018 13:14

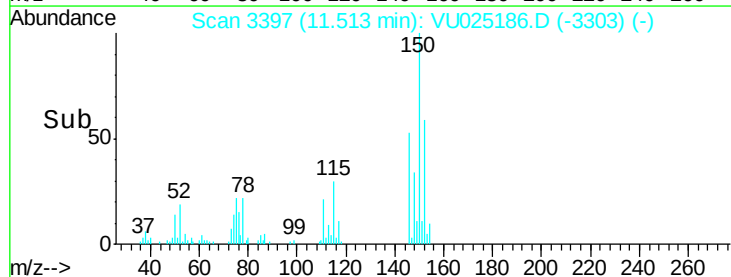
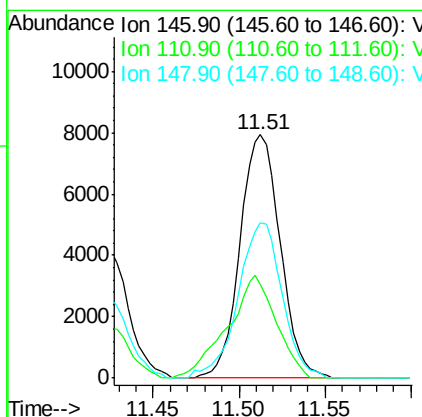
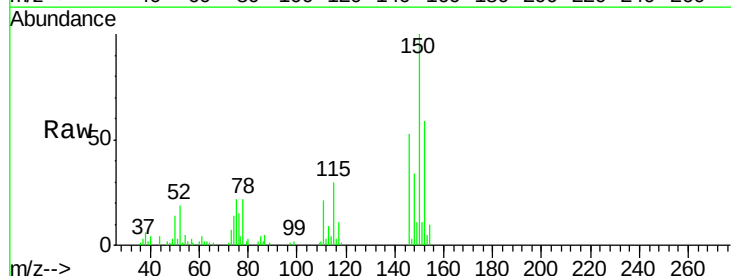
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW358-180626

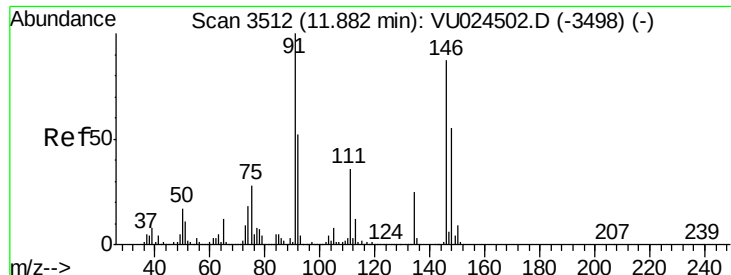
Tot Ion:146 Resp: 6860
 Ion Ratio Lower Upper
 146 100
 111 38.5 20.0 60.0
 148 60.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 2.361 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025186.D
 Acq: 03 Jul 2018 13:14

Tgt Ion:146 Resp: 12925
 Ion Ratio Lower Upper
 146 100
 111 50.9 19.5 58.5
 148 69.8 32.4 97.0





#91
 1,2-Dichlorobenzene
 Concen: 3.832 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025186.D
 Acq: 03 Jul 2018 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW358-180626

Tot Ion:146	Resp:	20878
Ion	Ratio	Lower Upper
146	100	
111	41.3	20.5 61.6
148	64.0	31.9 95.7

