

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025247.D
 Acq On : 06 Jul 2018 18:04
 Operator : MD/SY
 Sample : J3808-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628

Quant Time: Jul 06 23:56:12 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	199536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	295585	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	279386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147511	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	153447	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
35) Dibromofluoromethane	4.89	113	116438	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
50) Toluene-d8	7.57	98	435302	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	10.31	95	160806	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	

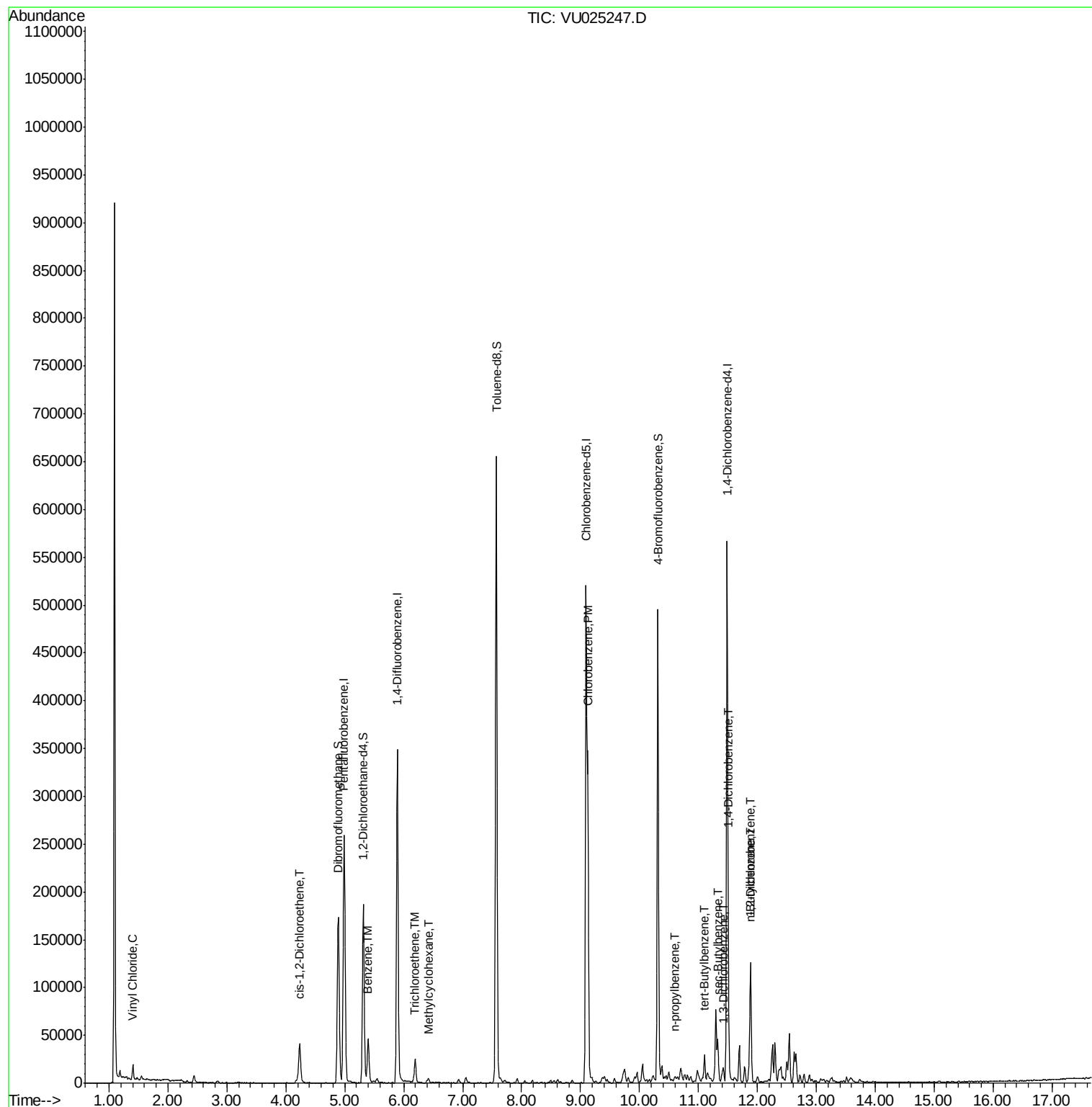
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	8076	3.069	ug/l	94
27) cis-1,2-Dichloroethene	4.23	96	22683	7.885	ug/l	89
39) Methylcyclohexane	6.42	83	1745	0.403	ug/l	96
40) Benzene	5.39	78	44047	4.450	ug/l	99
44) Trichloroethene	6.19	130	8761	3.110	ug/l	95
65) Chlorobenzene	9.12	112	171314	24.003	ug/l	99
78) n-propylbenzene	10.60	91	3297	0.247	ug/l	95
83) tert-Butylbenzene	11.10	119	12121	1.284	ug/l	85
85) sec-Butylbenzene	11.33	105	28099	2.377	ug/l #	57
87) 1,3-Dichlorobenzene	11.42	146	5000	0.944	ug/l	90
88) 1,4-Dichlorobenzene	11.51	146	9627	1.806	ug/l	84
89) n-Butylbenzene	11.89	91	2357	0.251	ug/l #	80
91) 1,2-Dichlorobenzene	11.89	146	48565	9.153	ug/l	99

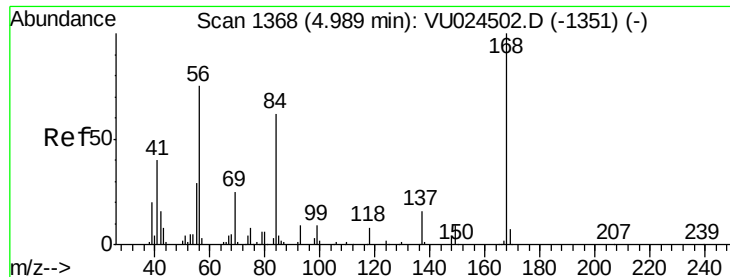
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025247.D

Acq: 06 Jul 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

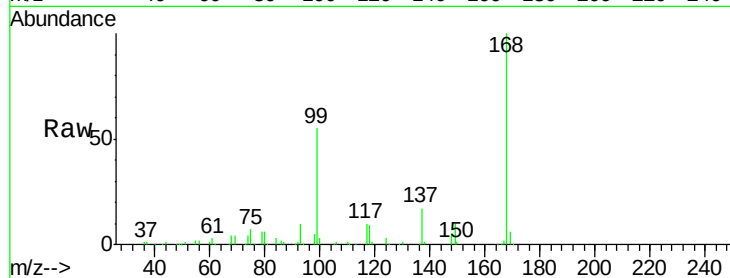
WP021MW470-180628

Tot Ion:168 Resp: 199536

Ion Ratio Lower Upper

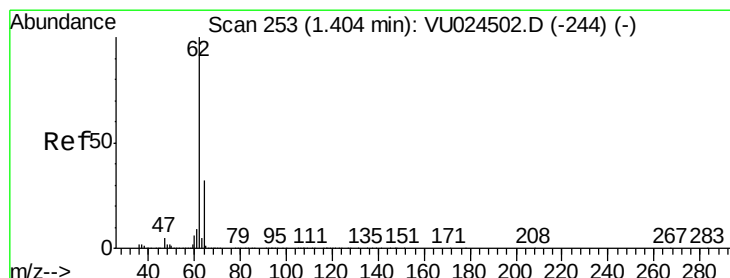
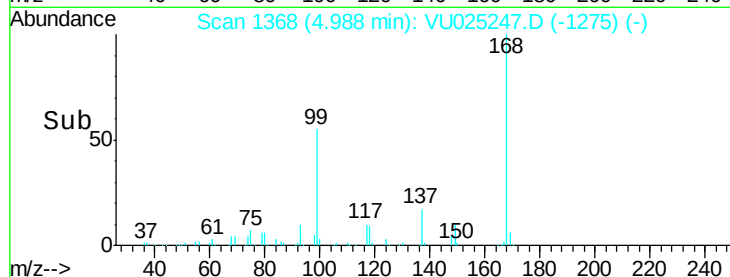
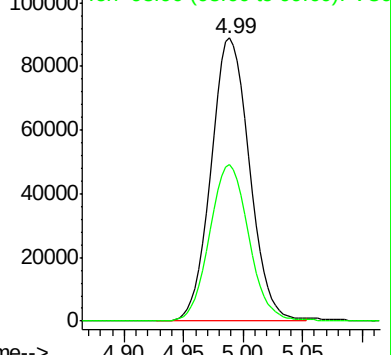
168 100

99 55.3 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#4

Vinyl Chloride

Concen: 3.069 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025247.D

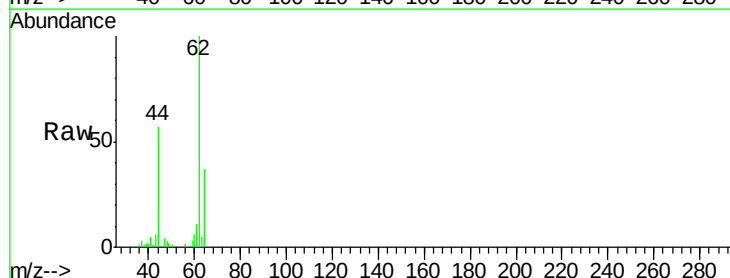
Acq: 06 Jul 2018 18:04

Tgt Ion: 62 Resp: 8076

Ion Ratio Lower Upper

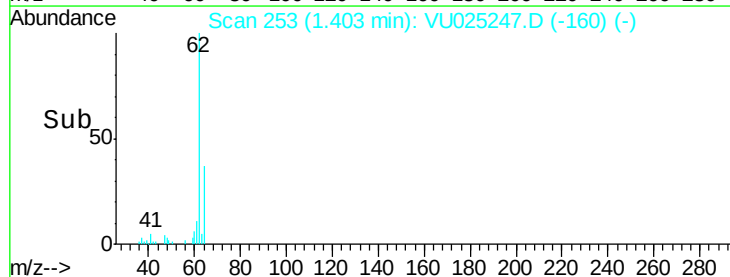
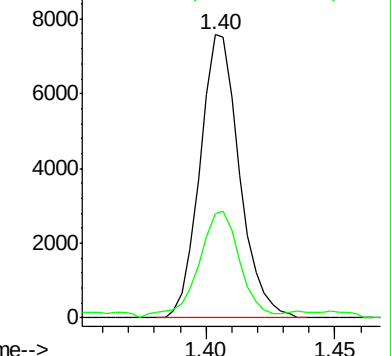
62 100

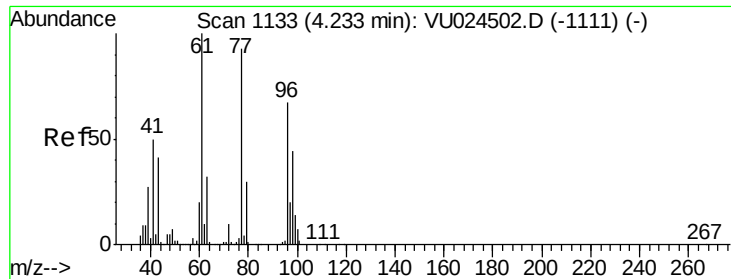
64 34.5 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 7.885 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU025247.D

Acq: 06 Jul 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628

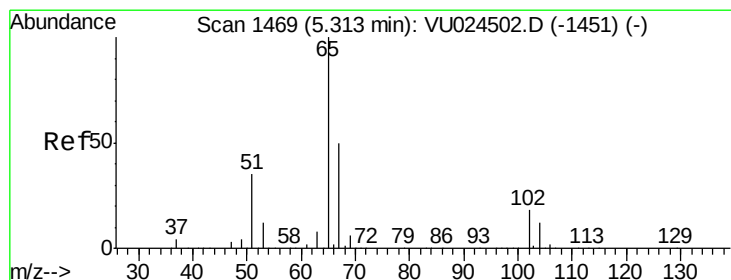
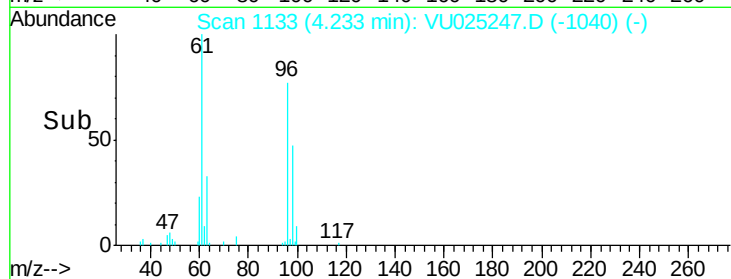
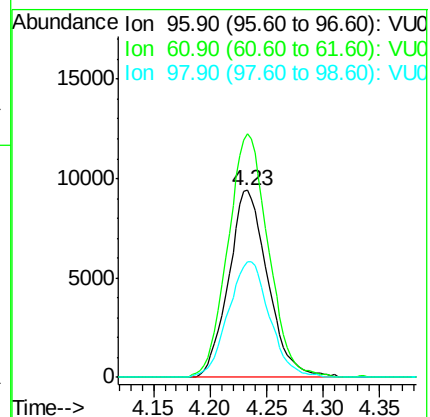
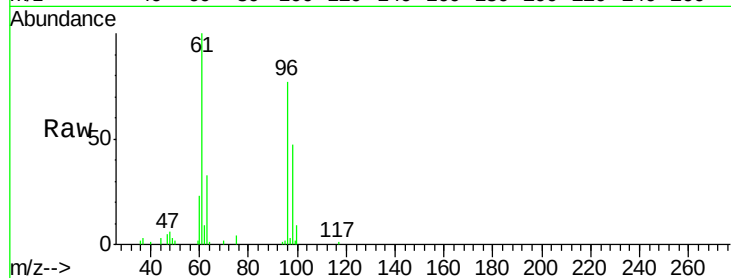
Tot Ion: 96 Resp: 22683

Ion Ratio Lower Upper

96 100

61 134.2 0.0 306.6

98 65.3 0.0 128.8



#33

1,2-Dichloroethane-d4

Concen: 47.106 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025247.D

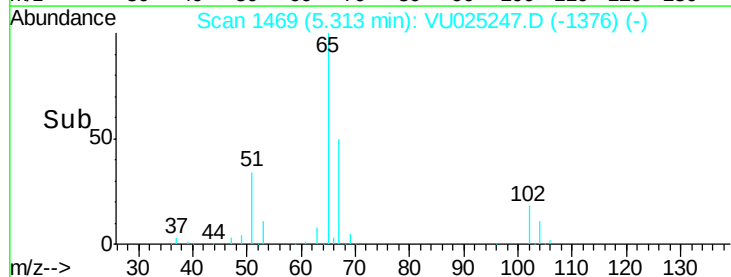
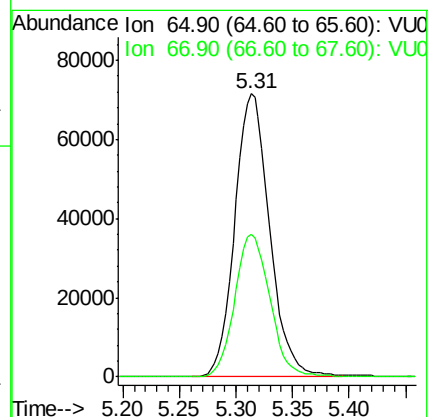
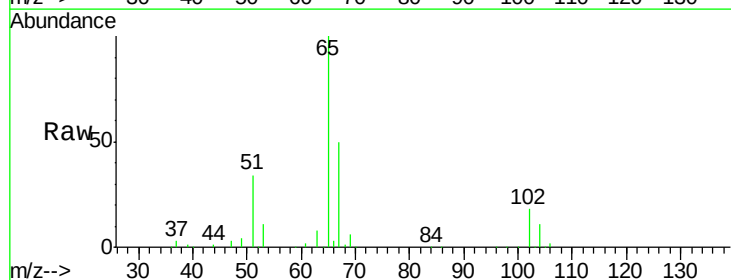
Acq: 06 Jul 2018 18:04

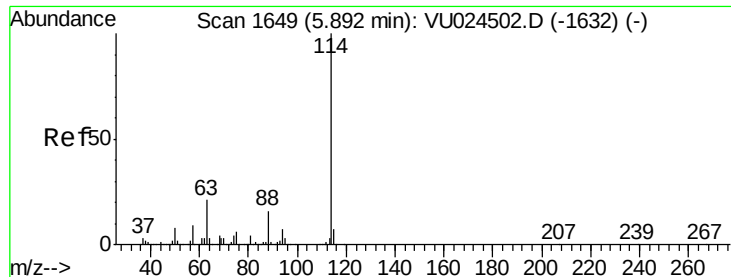
Tgt Ion: 65 Resp: 153447

Ion Ratio Lower Upper

65 100

67 50.8 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: VU025247.D

Acq: 06 Jul 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628

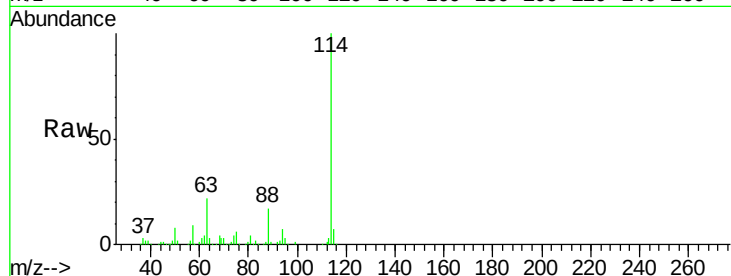
Tot Ion:114 Resp: 295585

Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.4

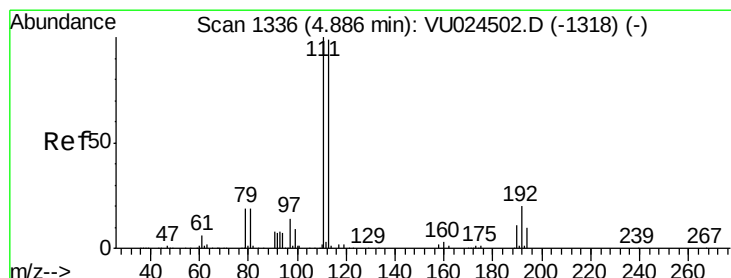
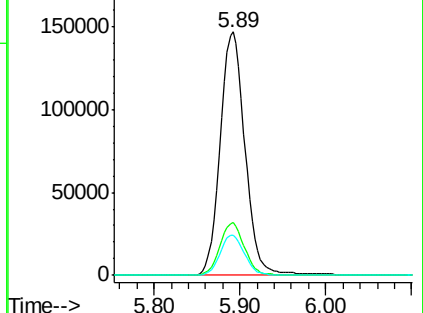
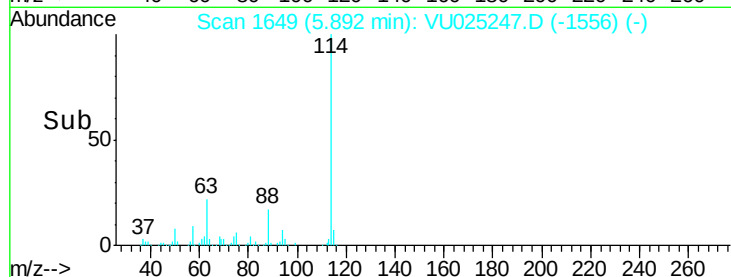
88 16.6 0.0 31.0



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: 47.465 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025247.D

Acq: 06 Jul 2018 18:04

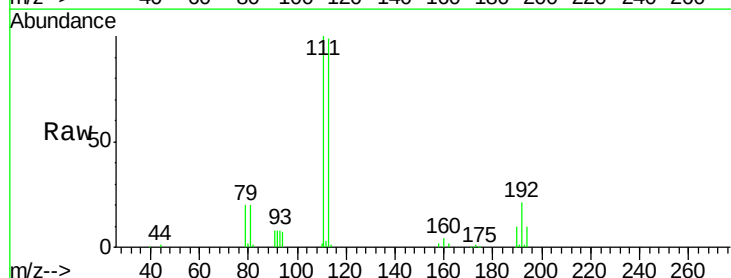
Tgt Ion:113 Resp: 116438

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

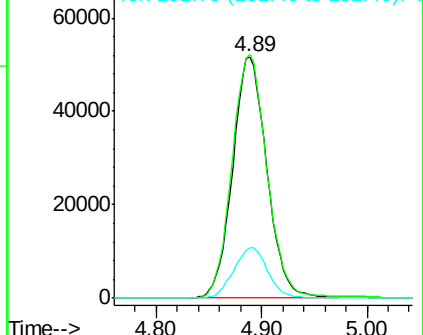
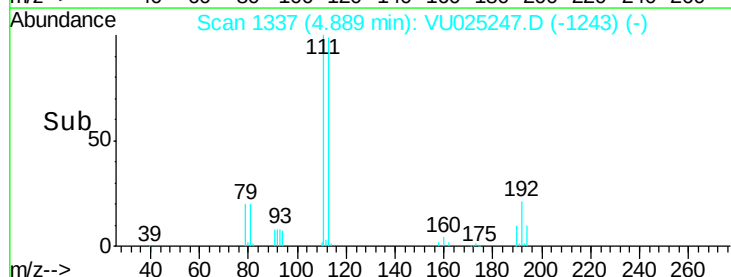
192 20.6 16.2 24.4

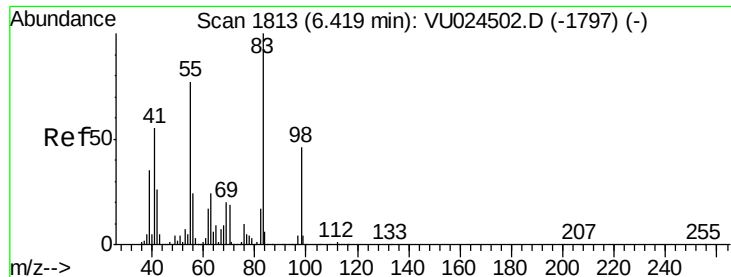


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

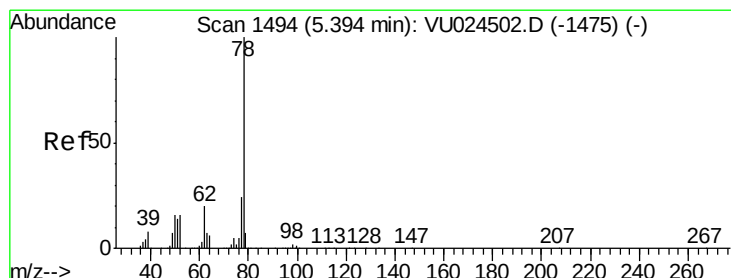
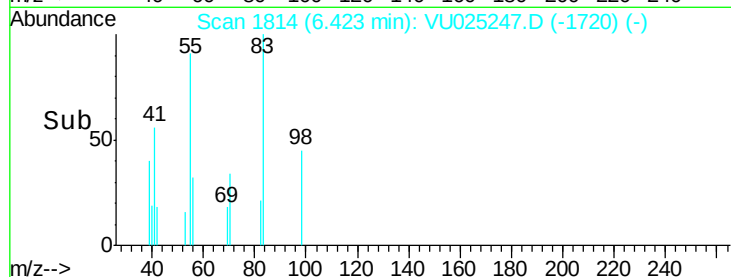
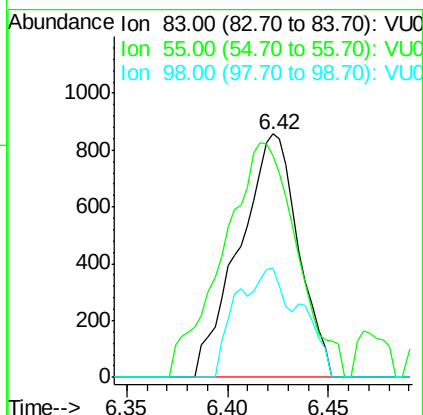
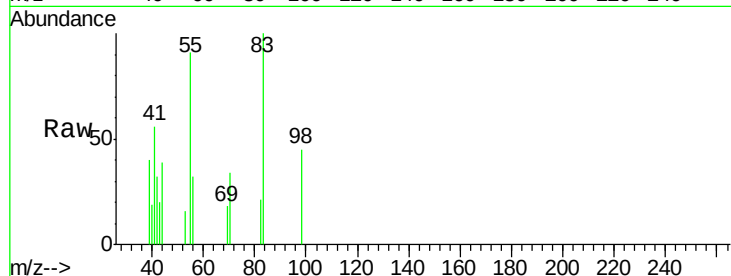




#39
Methylvlcyclohexane
Concen: 0.403 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU025247.D
Acq: 06 Jul 2018 18:04

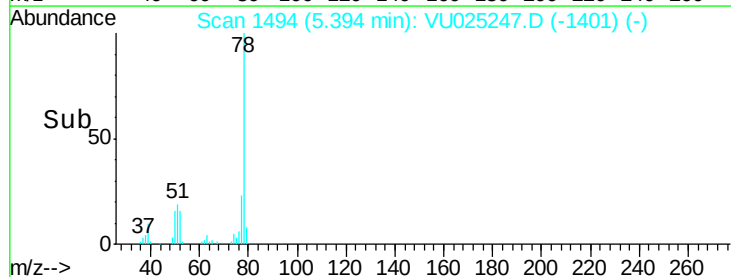
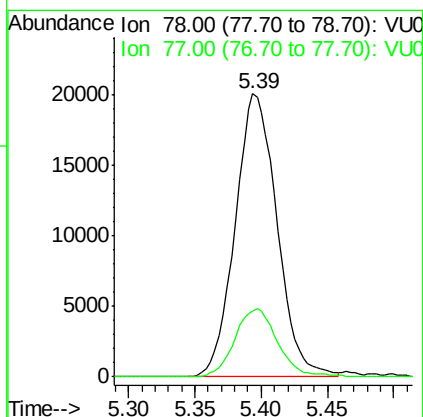
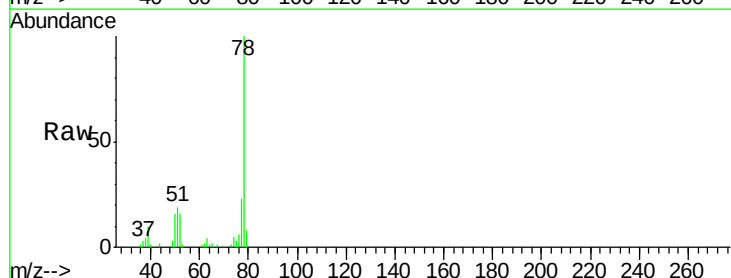
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628

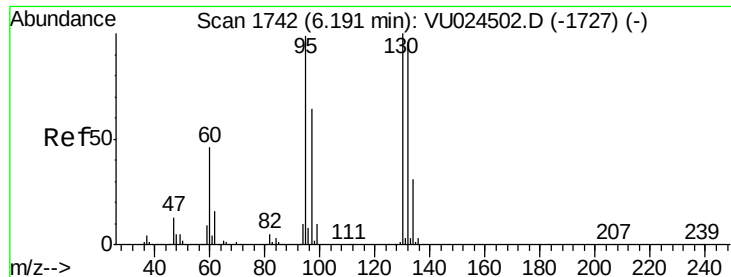
Tot Ion: 83 Resp: 1745
Ion Ratio Lower Upper
83 100
55 77.6 65.8 98.6
98 44.8 36.7 55.1



#40
Benzene
Concen: 4.450 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025247.D
Acq: 06 Jul 2018 18:04

Tgt Ion: 78 Resp: 44047
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8





#44

Trichloroethene

Concen: 3.110 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU025247.D

Acq: 06 Jul 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

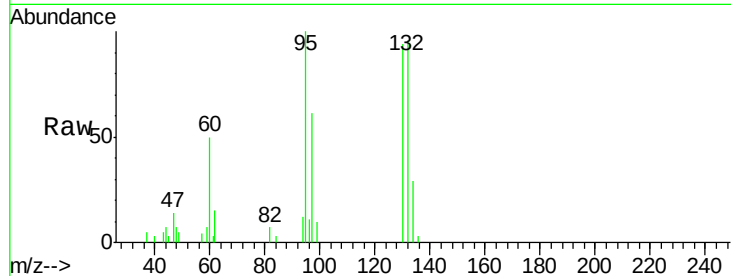
WP021MW470-180628

Tot Ion:130 Resp: 8761

Ion Ratio Lower Upper

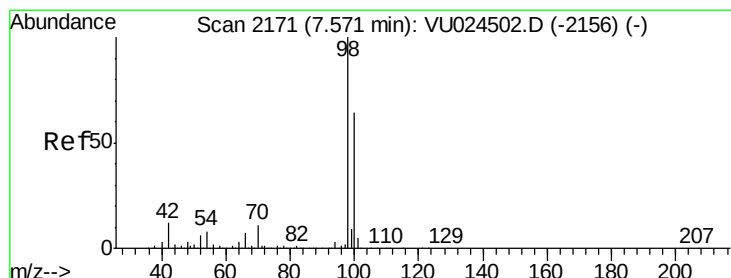
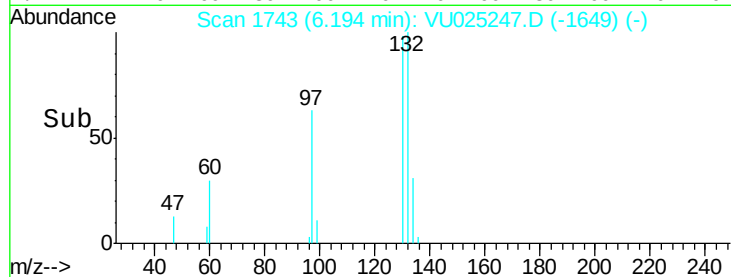
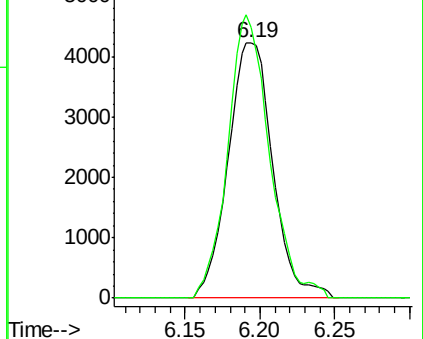
130 100

95 106.2 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 48.648 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025247.D

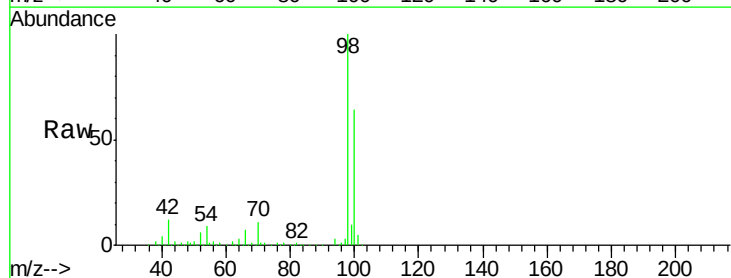
Acq: 06 Jul 2018 18:04

Tgt Ion: 98 Resp: 435302

Ion Ratio Lower Upper

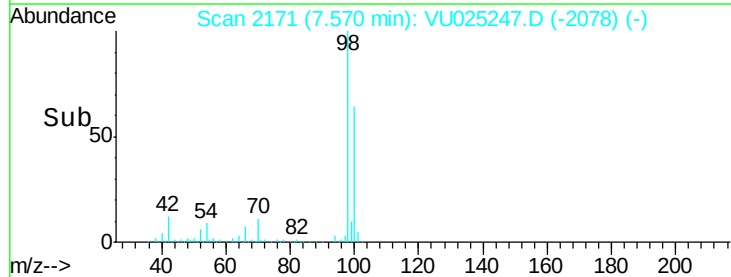
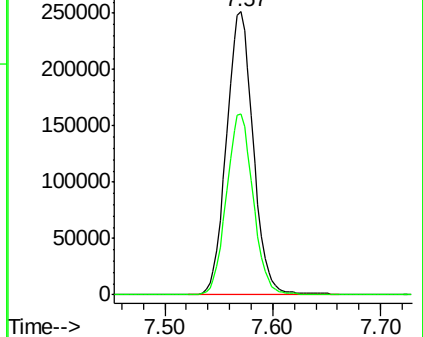
98 100

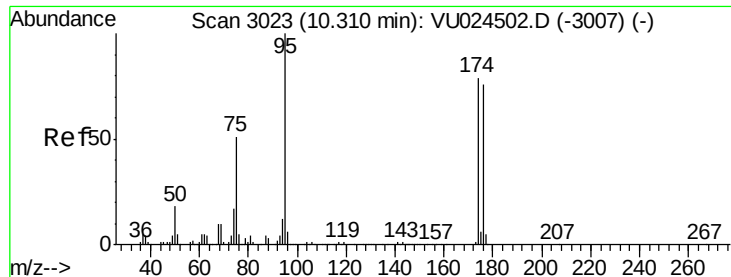
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 45.263 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025247.D

Acq: 06 Jul 2018 18:04

Instrument :

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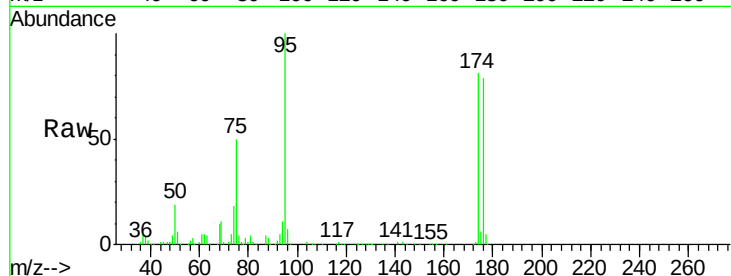
Tot Ion: 95 Resp: 160806

Ion Ratio Lower Upper

95 100

174 84.6 0.0 165.8

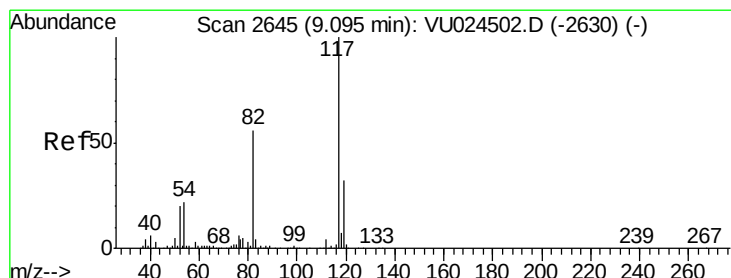
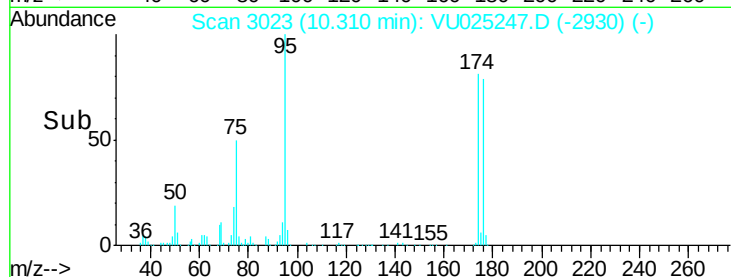
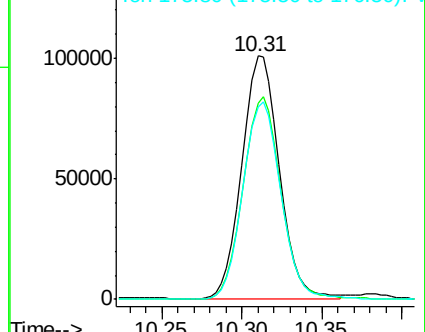
176 82.9 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU025247.D

Acq: 06 Jul 2018 18:04

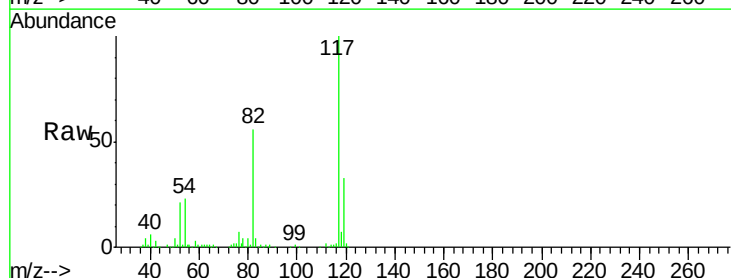
Tgt Ion: 117 Resp: 279386

Ion Ratio Lower Upper

117 100

82 55.8 44.3 66.5

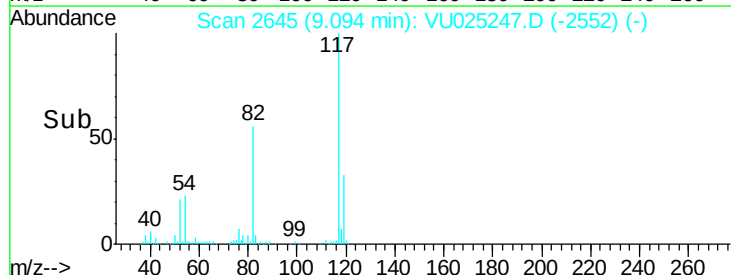
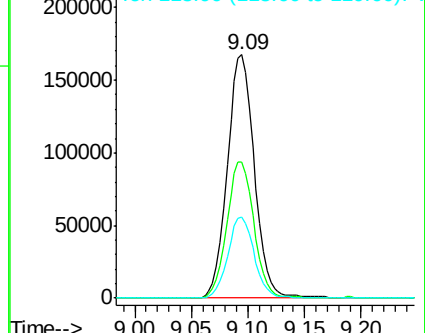
119 33.2 25.4 38.2

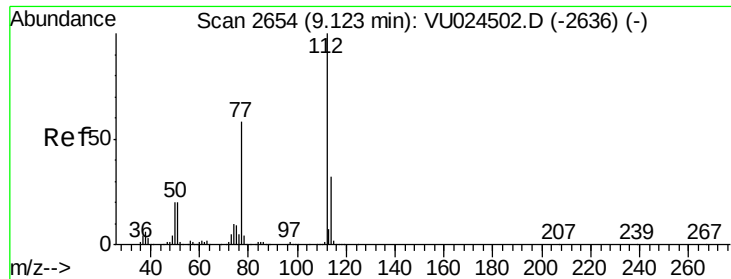


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)

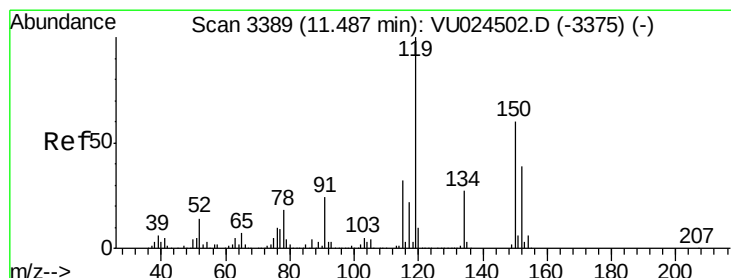
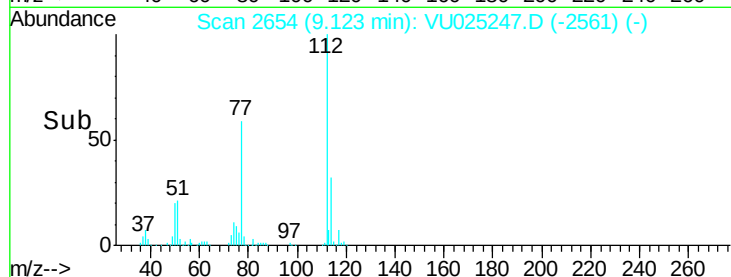
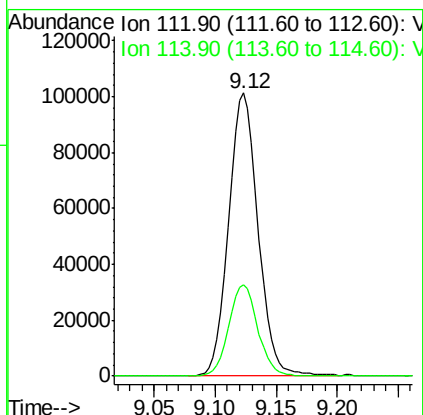
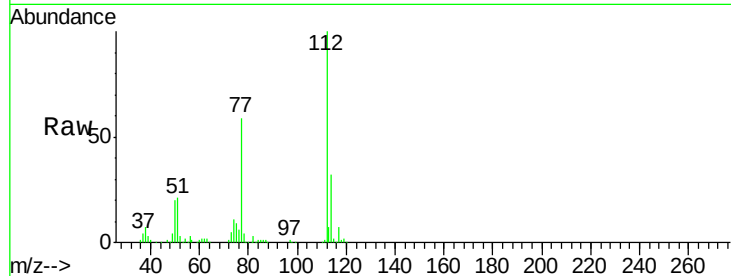




#65
Chlorobenzene
Concen: 24.003 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025247.D
Acq: 06 Jul 2018 18:04

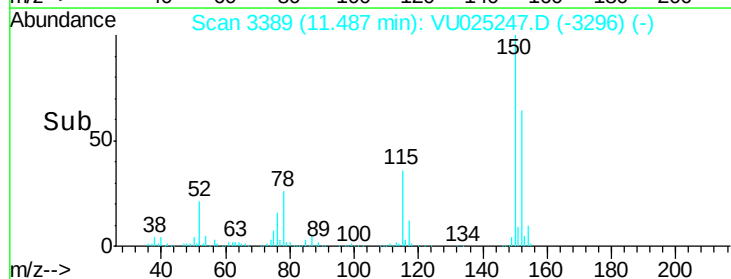
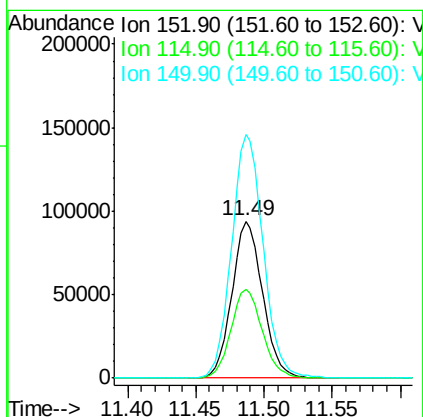
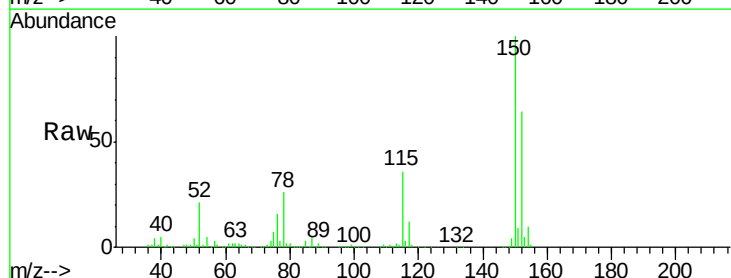
Instrument :
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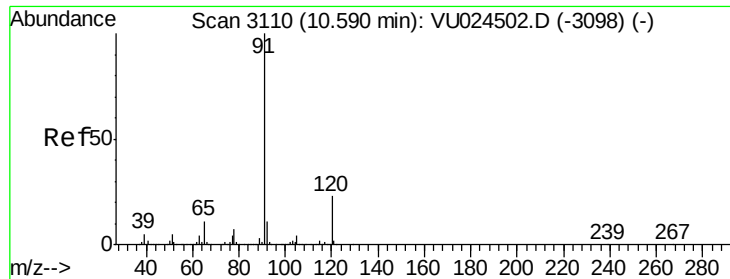
Tot Ion:112 Resp: 171314
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025247.D
Acq: 06 Jul 2018 18:04

Tgt Ion:152 Resp: 147511
Ion Ratio Lower Upper
152 100
115 57.4 43.0 129.0
150 159.0 0.0 354.0





#78

n-propylbenzene

Concen: 0.247 ug/l

RT: 10.60 min Scan# 3112

Delta R.T. 0.01 min

Lab File: VU025247.D

Acq: 06 Jul 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

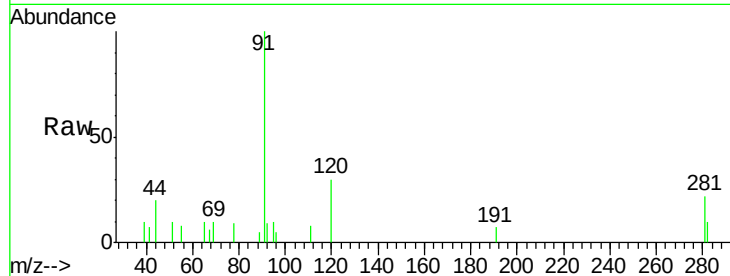
WP021MW470-180628

Tot Ion: 91 Resp: 3297

Ion Ratio Lower Upper

91 100

120 19.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3098) (-)

Ion 120.00 (119.70 to 120.70): VU024502.D (-3098) (-)

10.60

2000

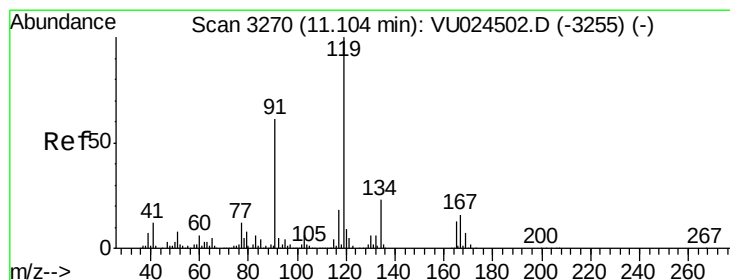
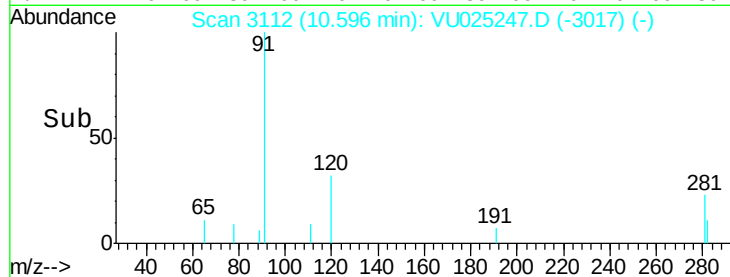
1500

1000

500

0

Time-->



#83

tert-Butylbenzene

Concen: 1.284 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025247.D

Acq: 06 Jul 2018 18:04

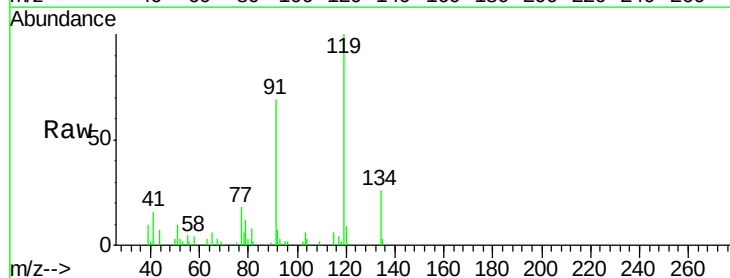
Tgt Ion: 119 Resp: 12121

Ion Ratio Lower Upper

119 100

91 73.5 29.7 89.1

134 26.4 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): VU024502.D (-3255) (-)

Ion 91.00 (90.70 to 91.70): VU024502.D (-3255) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3255) (-)

11.10

10000

8000

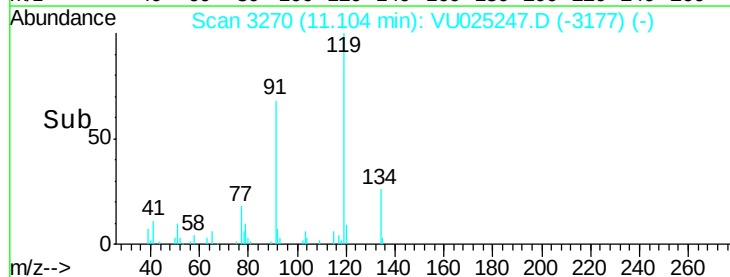
6000

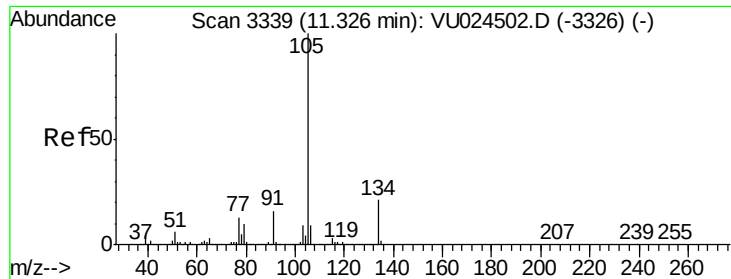
4000

2000

0

Time-->





#85

sec-Butylbenzene

Concen: 2.377 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025247.D

Acq: 06 Jul 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

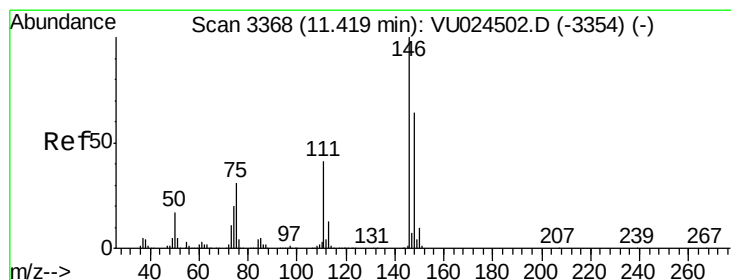
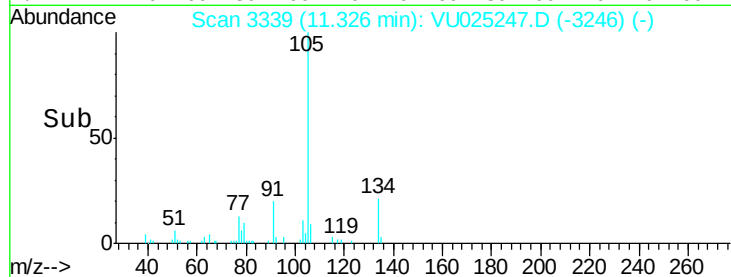
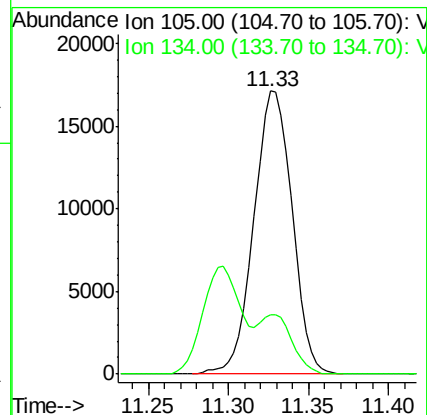
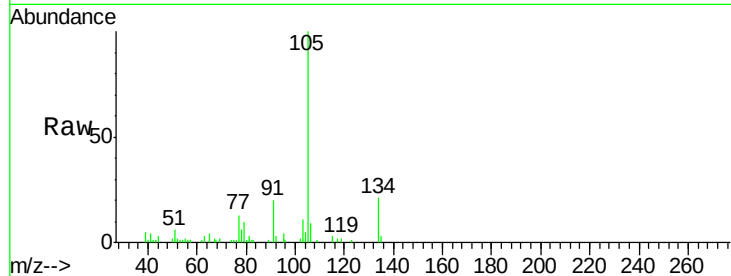
WP021MW470-180628

Tot Ion:105 Resp: 28099

Ion Ratio Lower Upper

105 100

134 0.0 9.7 29.1#



#87

1,3-Dichlorobenzene

Concen: 0.944 ug/l

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025247.D

Acq: 06 Jul 2018 18:04

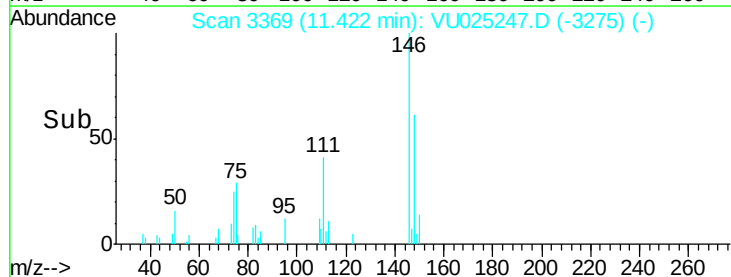
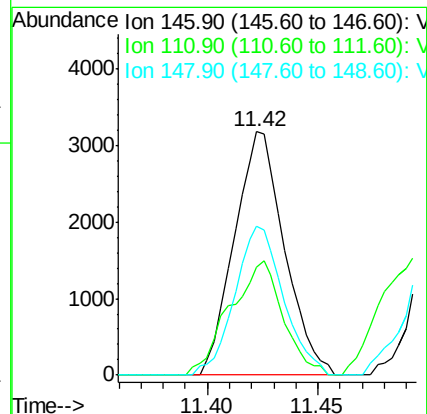
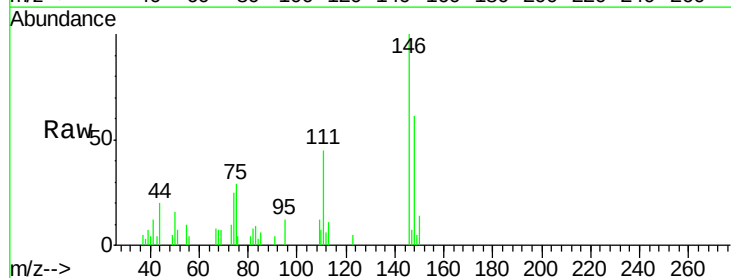
Tgt Ion:146 Resp: 5000

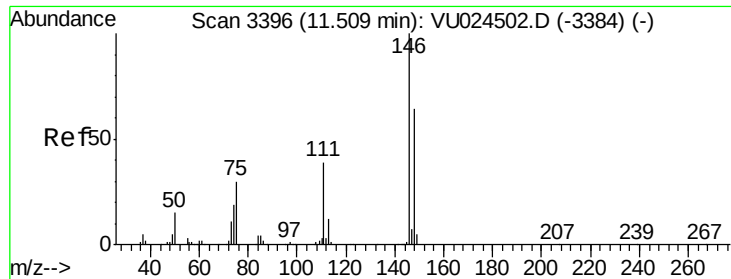
Ion Ratio Lower Upper

146 100

111 49.6 20.0 60.0

148 59.4 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 1.806 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025247.D

Acq: 06 Jul 2018 18:04

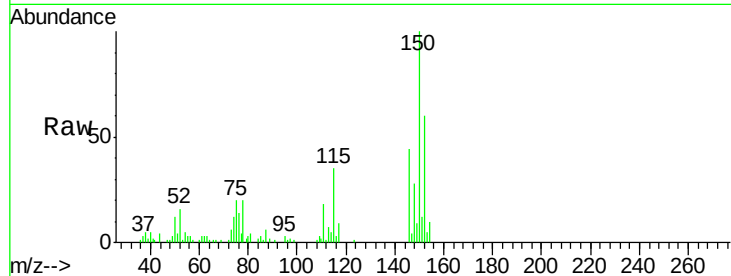
Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628

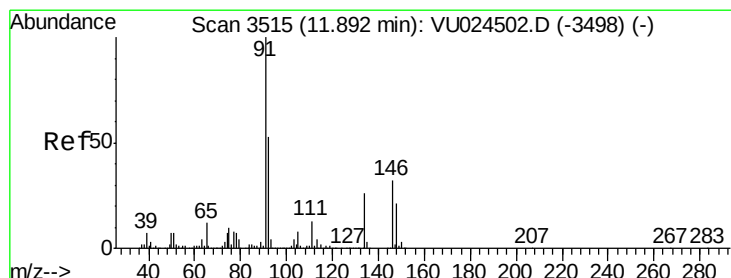
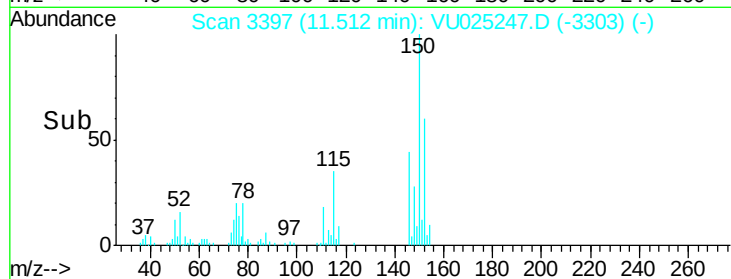
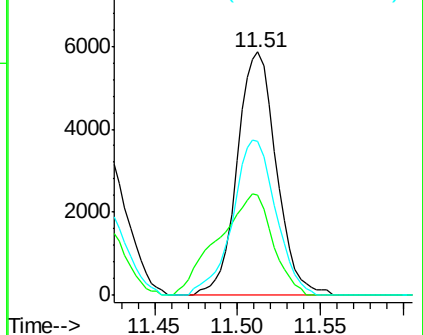
Tot Ion:146	Resp:	9627
Ion	Ratio	Lower Upper
146	100	
111	58.1	19.5 58.5
148	70.2	32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.251 ug/l

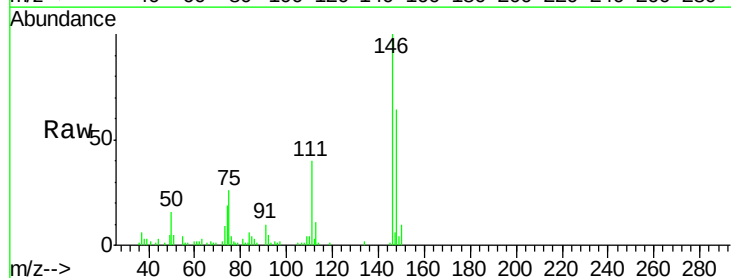
RT: 11.89 min Scan# 3516

Delta R.T. 0.00 min

Lab File: VU025247.D

Acq: 06 Jul 2018 18:04

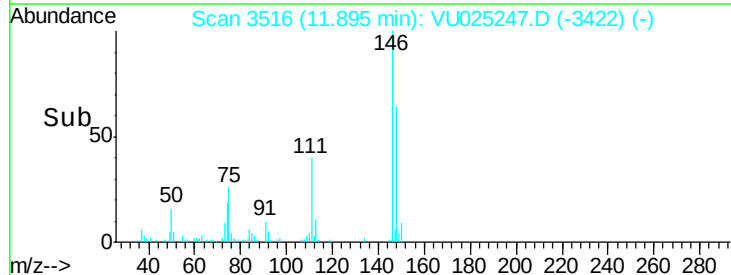
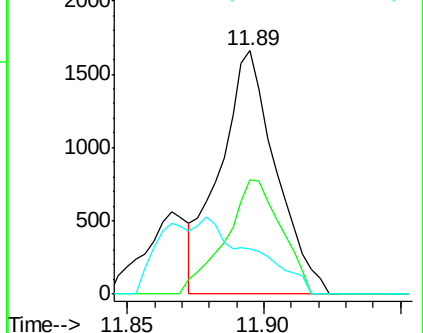
Tgt Ion: 91	Resp:	2357
Ion	Ratio	Lower Upper
91	100	
92	46.8	25.6 76.8
134	0.0	12.3 36.8#

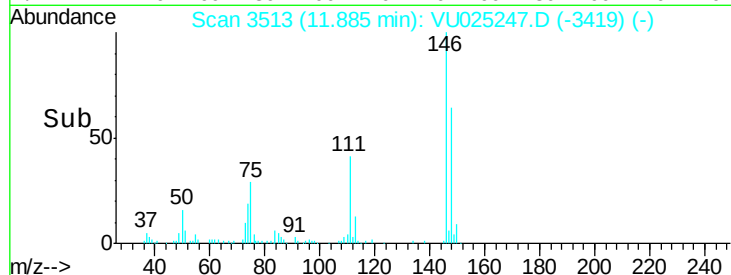
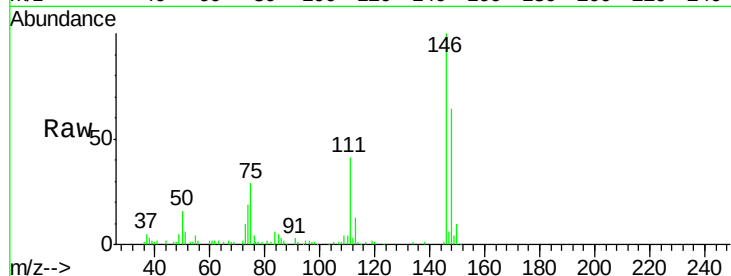
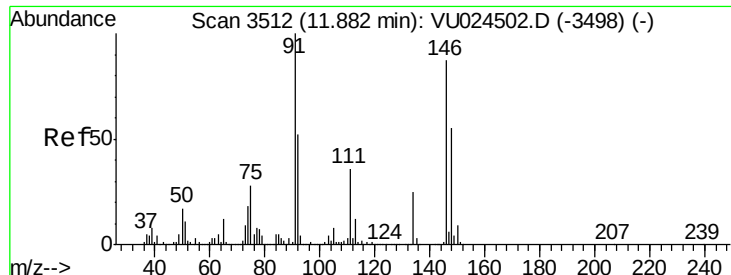


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 9.153 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025247.D

Acq: 06 Jul 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628

Tot Ion:146 Resp: 48565

Ion Ratio Lower Upper

146 100

111 42.2 20.5 61.6

148 64.8 31.9 95.7

