

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025139.D
 Acq On : 02 Jul 2018 13:34
 Operator : MD/SY
 Sample : J3759-12DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW350-180625DL

Quant Time: Jul 03 04:36:43 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	206541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	311846	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	289148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153695	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	159526	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
35) Dibromofluoromethane	4.89	113	123842	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	7.57	98	446162	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
62) 4-Bromofluorobenzene	10.31	95	167243	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

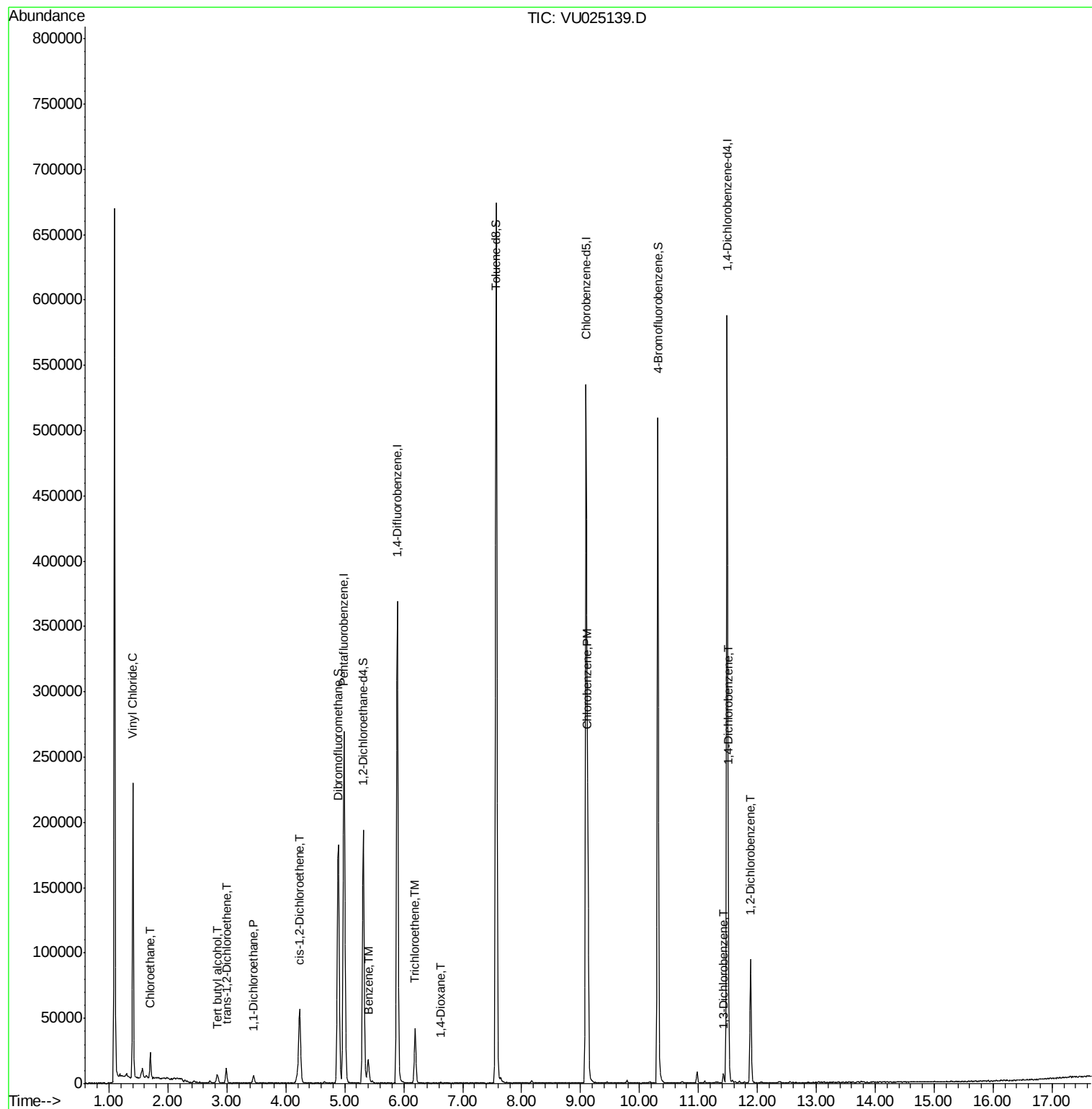
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	140658	51.64	ug/l	97
6) Chloroethane	1.70	64	12536	7.34	ug/l	96
11) Tert butyl alcohol	2.83	59	5371	6.55	ug/l #	88
21) trans-1,2-Dichloroethene	2.99	96	4294	1.66	ug/l	89
24) 1,1-Dichloroethane	3.45	63	6511	1.31	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	31999	10.75	ug/l	87
40) Benzene	5.40	78	16864	1.62	ug/l	92
44) Trichloroethene	6.19	130	15147	5.10	ug/l	98
49) 1,4-Dioxane	6.63	88	448	6.81	ug/l #	59
65) Chlorobenzene	9.12	112	109212	14.79	ug/l	99
87) 1,3-Dichlorobenzene	11.43	146	3162	0.57	ug/l	89
88) 1,4-Dichlorobenzene	11.51	146	11210	2.02	ug/l	84
91) 1,2-Dichlorobenzene	11.89	146	38154	6.90	ug/l	96

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

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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: VU025139.D

Acq: 02 Jul 2018 13:34

Instrument :

MSVOA_U

ClientSampleId :

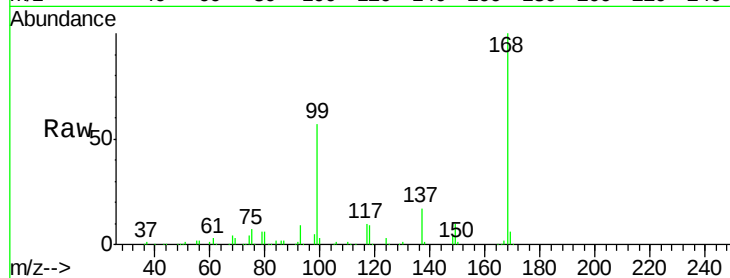
WP021RW350-180625DL

Tot Ion:168 Resp: 206541

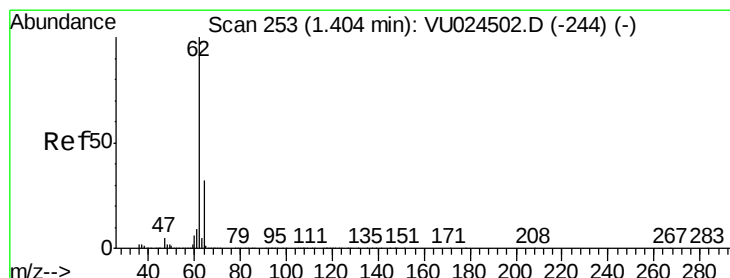
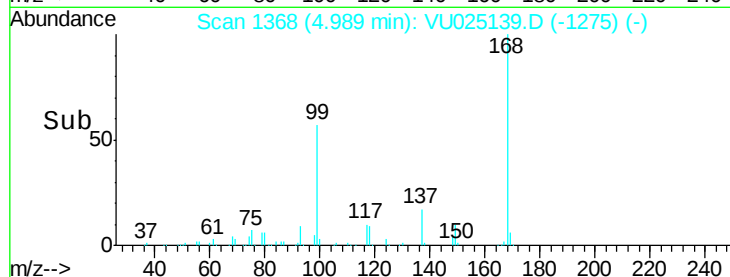
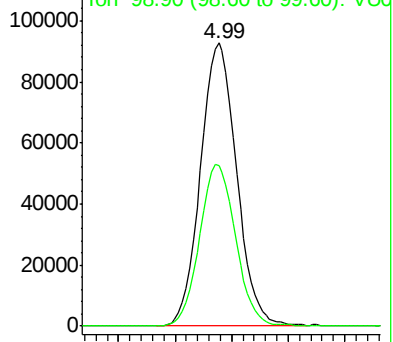
Ion Ratio Lower Upper

168 100

99 56.9 43.2 64.8



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



#4

Vinyl Chloride

Concen: 51.64 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025139.D

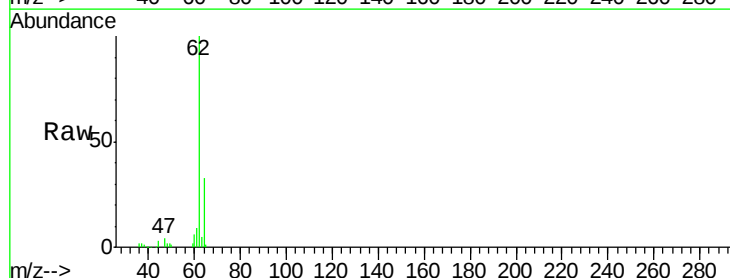
Acq: 02 Jul 2018 13:34

Tgt Ion: 62 Resp: 140658

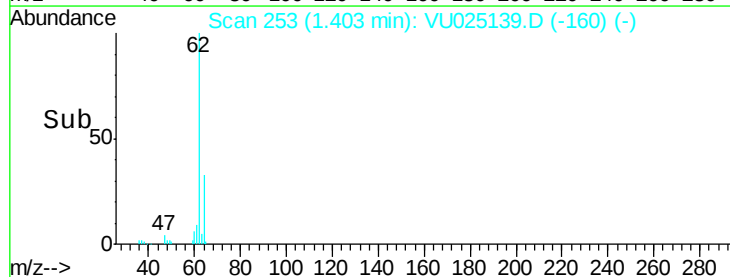
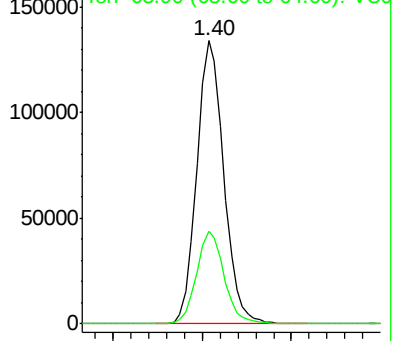
Ion Ratio Lower Upper

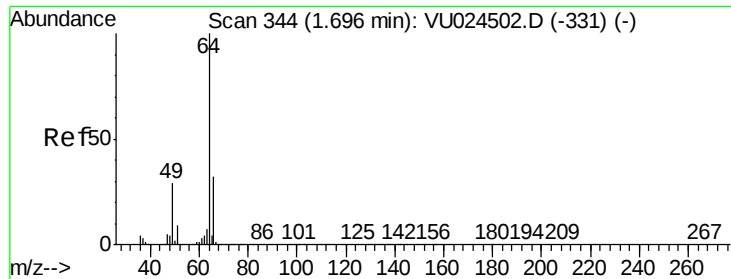
62 100

64 32.4 24.8 37.2



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





#6

Chloroethane

Concen: 7.34 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025139.D

Acq: 02 Jul 2018 13:34

Instrument :

MSVOA_U

ClientSampleId :

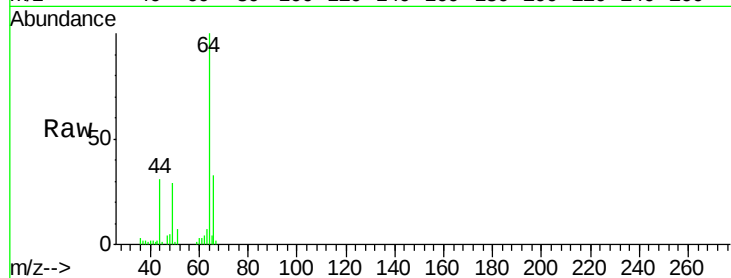
WP021RW350-180625DL

Tot Ion: 64 Resp: 12536

Ion Ratio Lower Upper

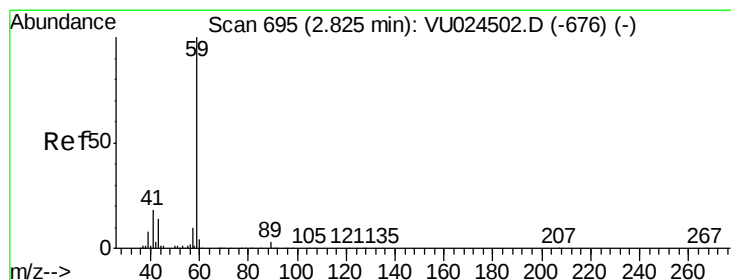
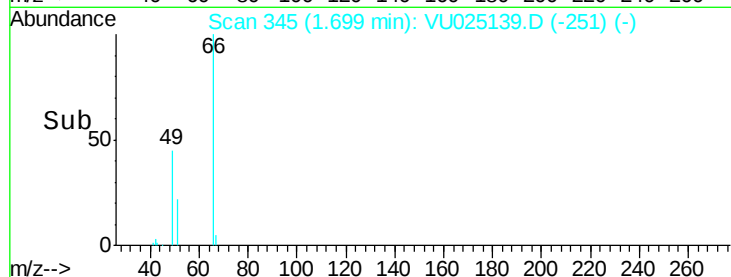
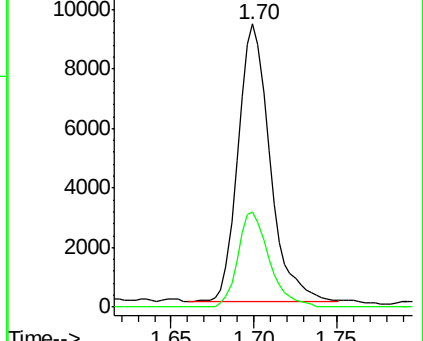
64 100

66 34.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



#11

Tert butyl alcohol

Concen: 6.55 ug/l

RT: 2.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VU025139.D

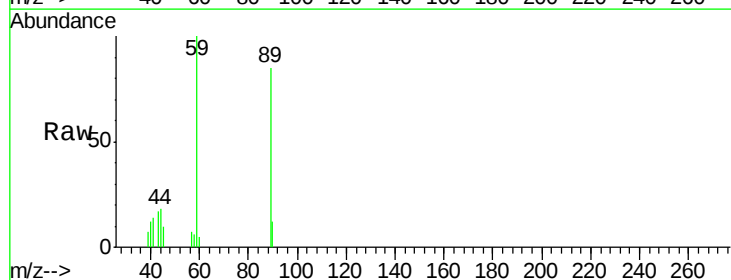
Acq: 02 Jul 2018 13:34

Tgt Ion: 59 Resp: 5371

Ion Ratio Lower Upper

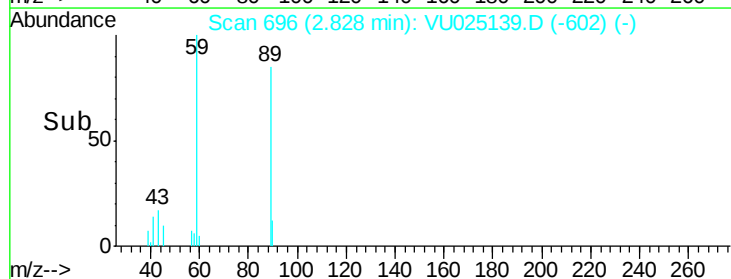
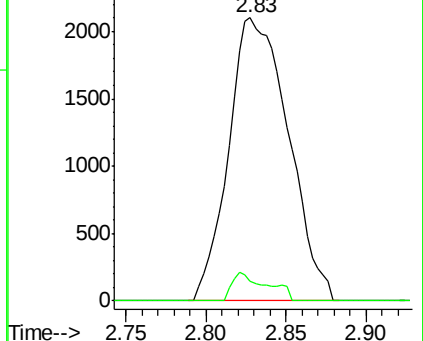
59 100

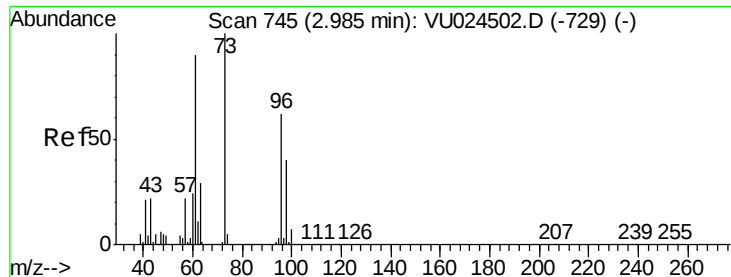
57 5.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#21

trans-1,2-Dichloroethene

Concen: 1.66 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025139.D

Acq: 02 Jul 2018 13:34

Instrument :

MSVOA_U

ClientSampleId :

WP021RW350-180625DL

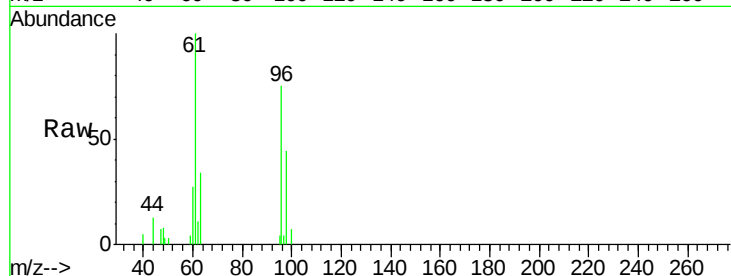
Tot Ion: 96 Resp: 4294

Ion Ratio Lower Upper

96 100

61 133.3 119.4 179.0

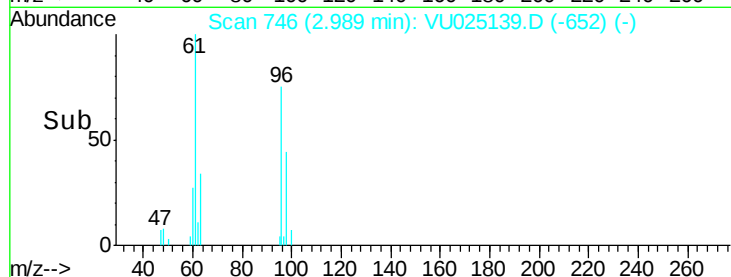
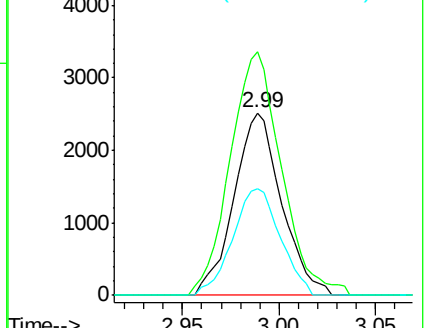
98 58.2 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#24

1,1-Dichloroethane

Concen: 1.31 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU025139.D

Acq: 02 Jul 2018 13:34

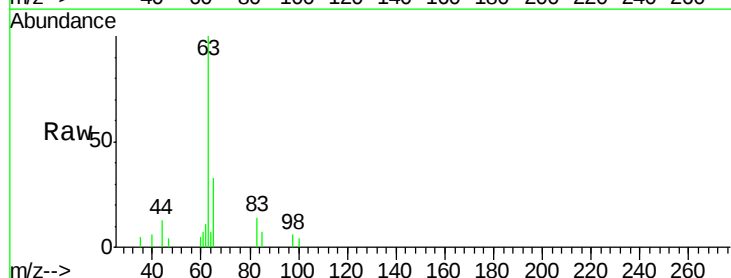
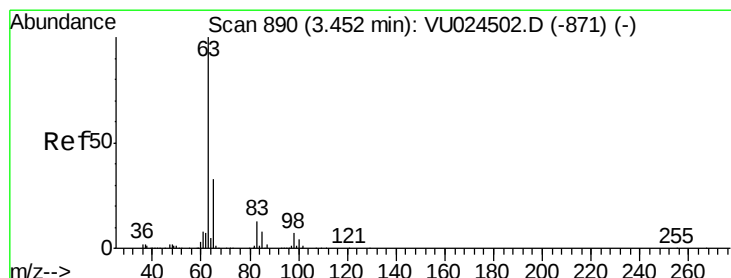
Tgt Ion: 63 Resp: 6511

Ion Ratio Lower Upper

63 100

98 5.5 3.5 10.4

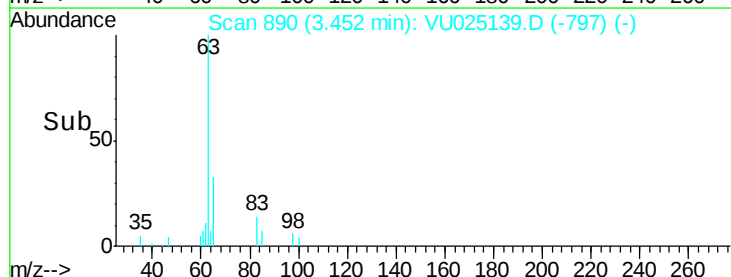
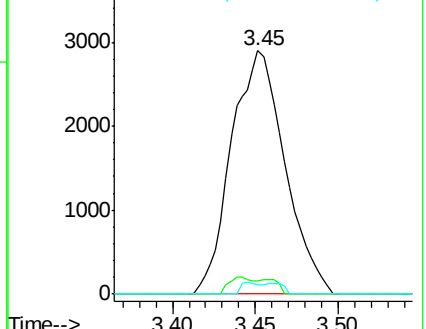
100 3.8 1.8 5.5

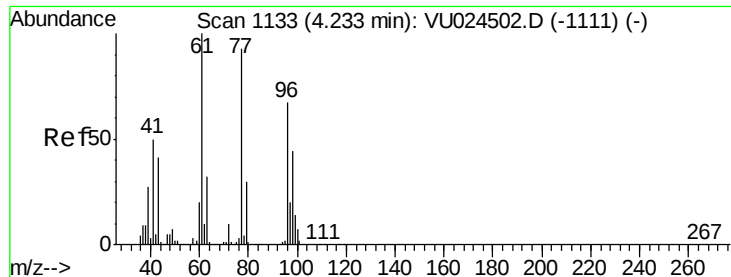


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

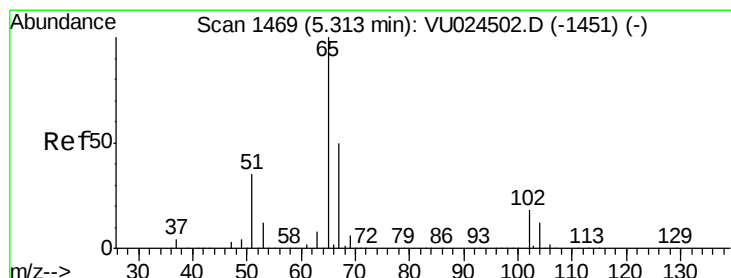
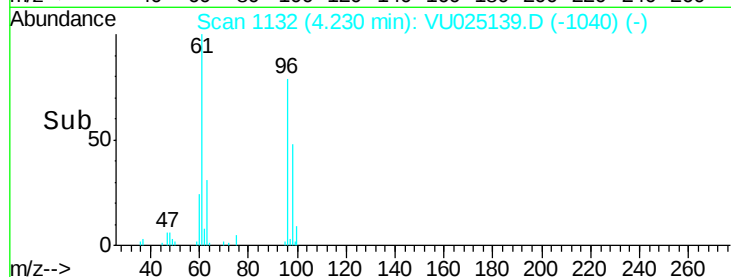
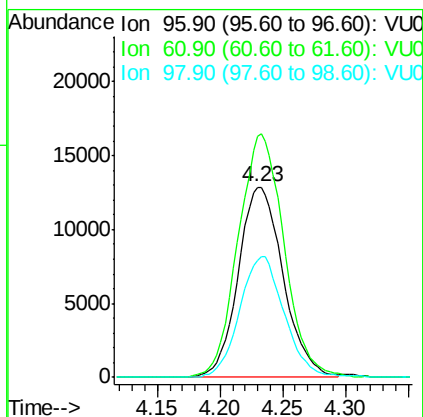
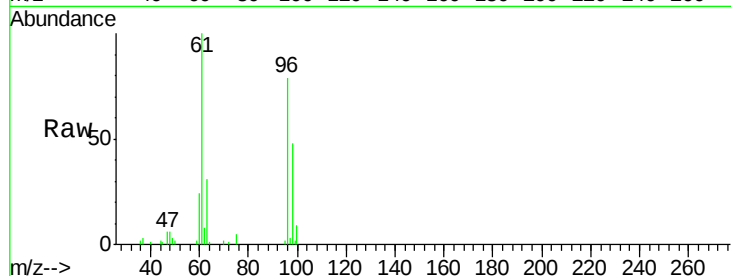




#27
 cis-1,2-Dichloroethene
 Concen: 10.75 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025139.D
 Acq: 02 Jul 2018 13:34

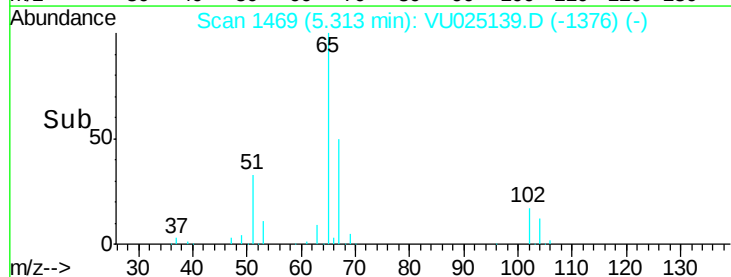
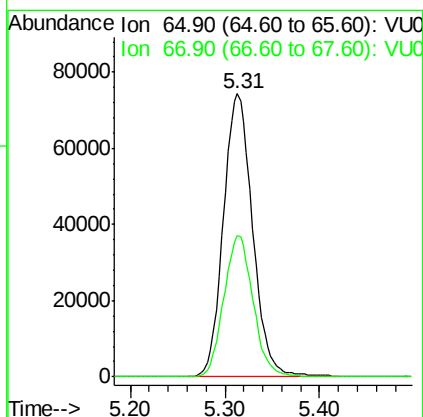
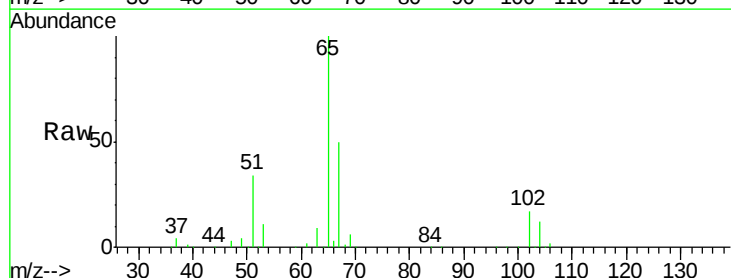
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW350-180625DL

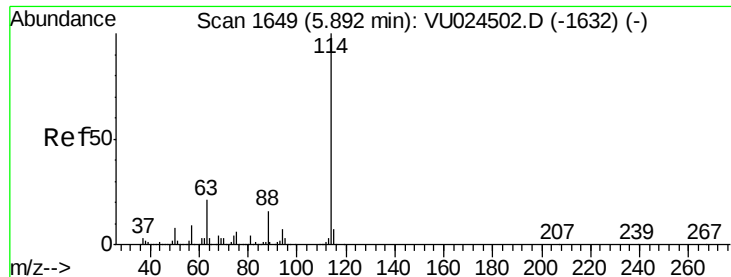
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	306.6
98	63.1	0.0	128.8



#33
 1,2-Dichloroethane-d4
 Concen: 47.31 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025139.D
 Acq: 02 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025139.D

Acq: 02 Jul 2018 13:34

Instrument :

MSVOA_U

ClientSampleId :

WP021RW350-180625DL

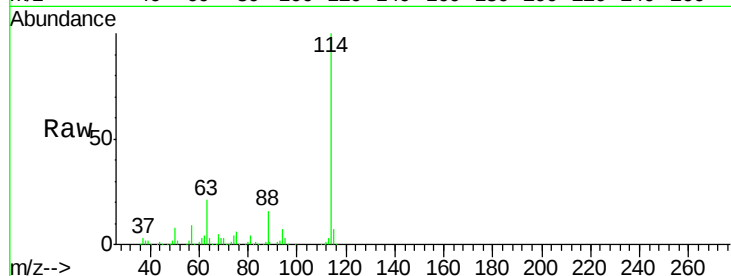
Tot Ion:114 Resp: 311846

Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.4

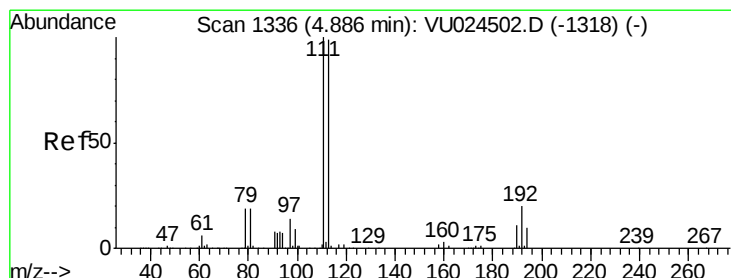
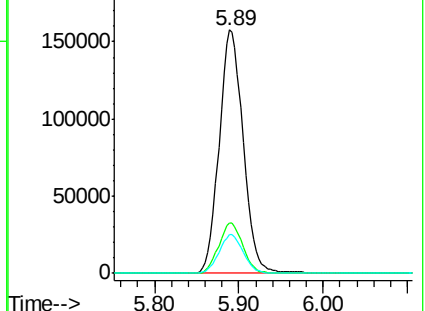
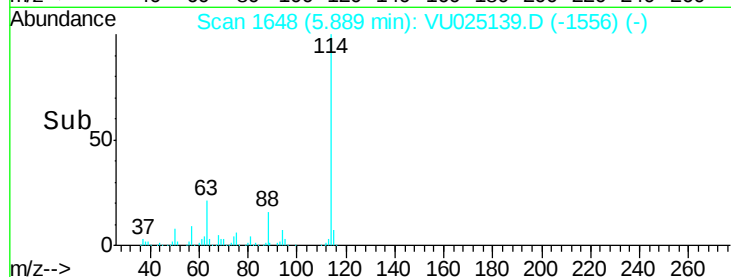
88 15.7 0.0 31.0



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: 47.85 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025139.D

Acq: 02 Jul 2018 13:34

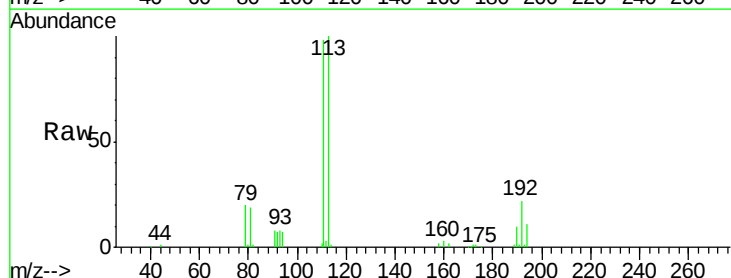
Tgt Ion:113 Resp: 123842

Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.4

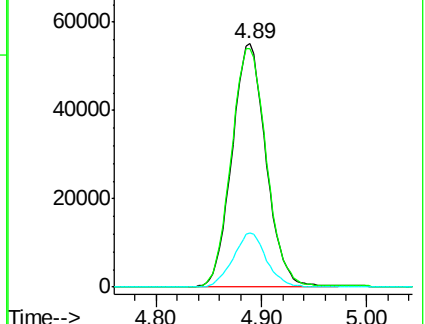
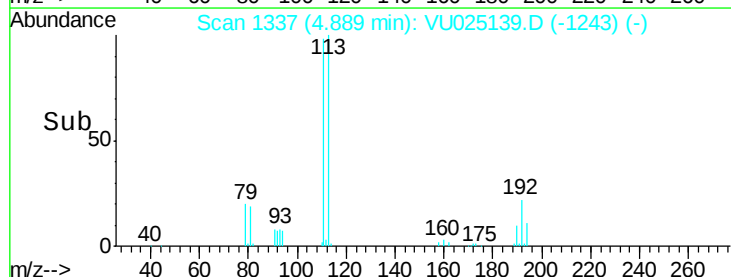
192 21.7 16.2 24.4

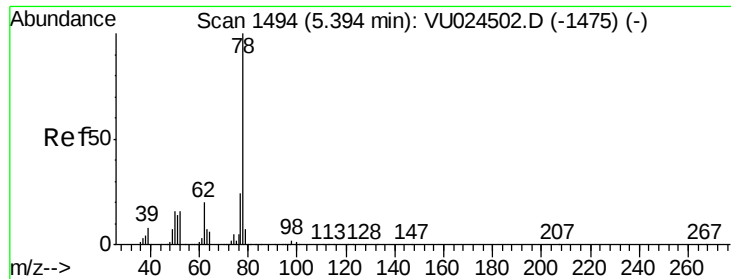


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.62 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025139.D

Acq: 02 Jul 2018 13:34

Instrument :

MSVOA_U

ClientSampleId :

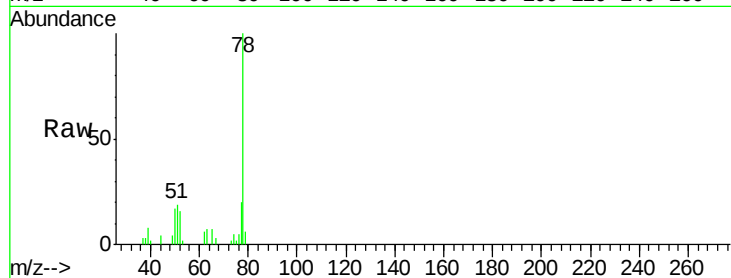
WP021RW350-180625DL

Tot Ion: 78 Resp: 16864

Ion Ratio Lower Upper

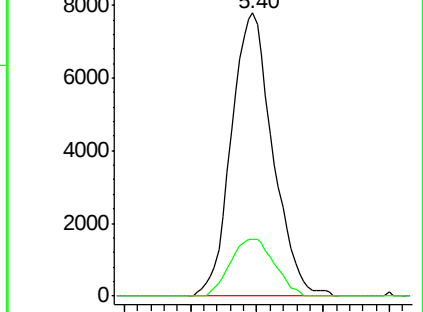
78 100

77 20.1 19.2 28.8

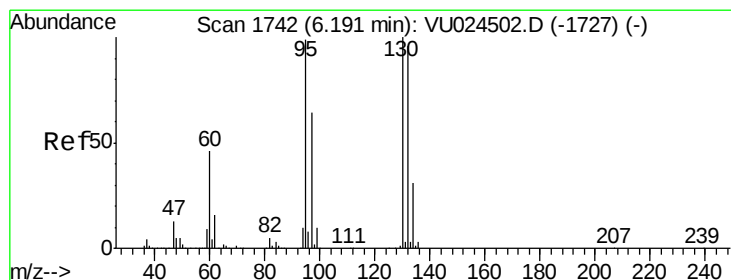
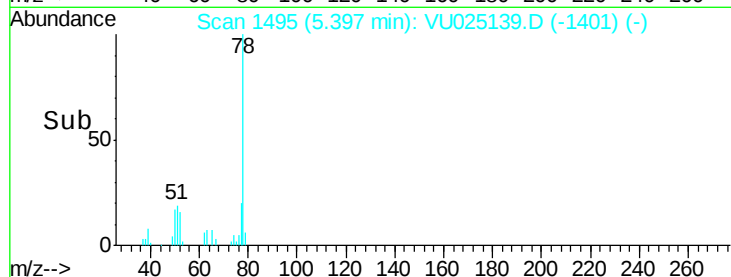


Abundance Ion 78.00 (77.70 to 78.70): VU024502.D (-1475) (-)

Ion 77.00 (76.70 to 77.70): VU024502.D (-1475) (-)



Time-->



#44

Trichloroethene

Concen: 5.10 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025139.D

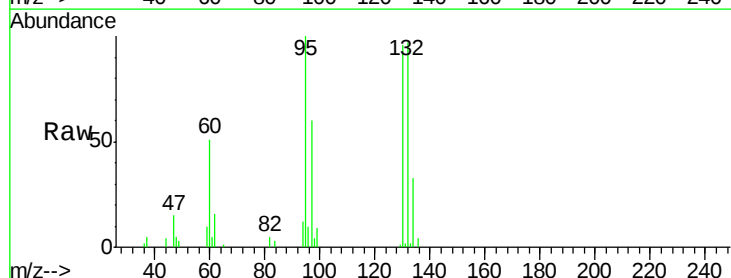
Acq: 02 Jul 2018 13:34

Tgt Ion: 130 Resp: 15147

Ion Ratio Lower Upper

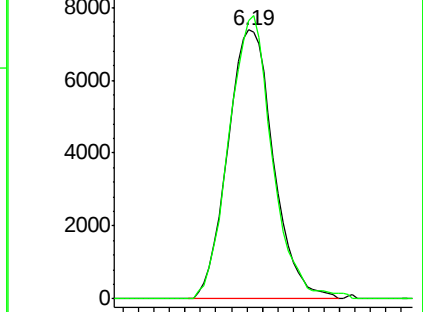
130 100

95 103.7 0.0 202.4

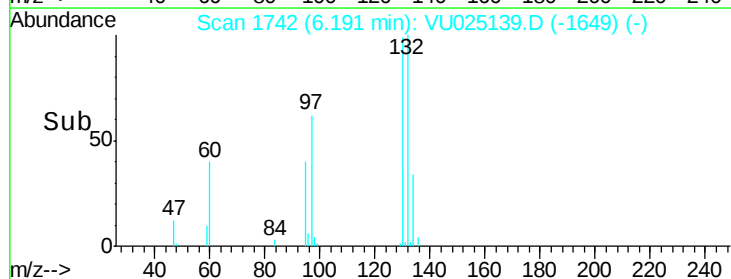


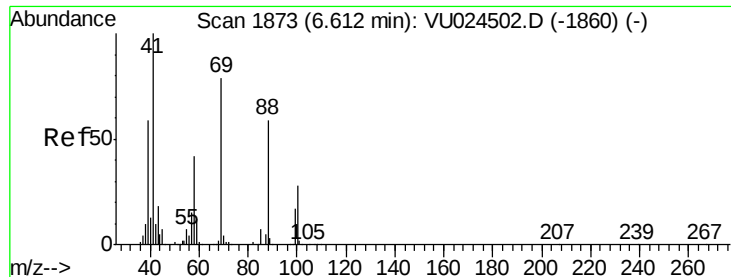
Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)



Time-->

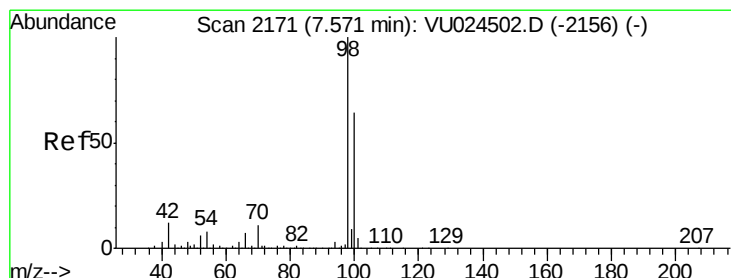
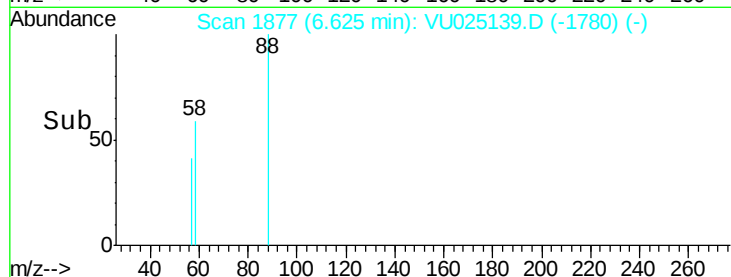
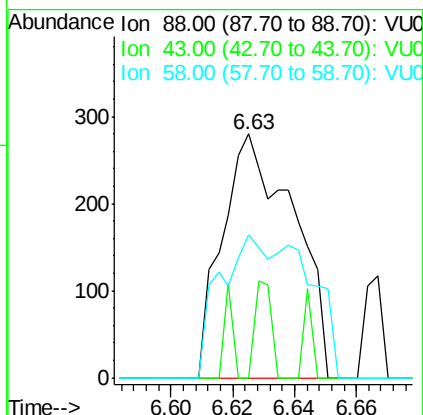
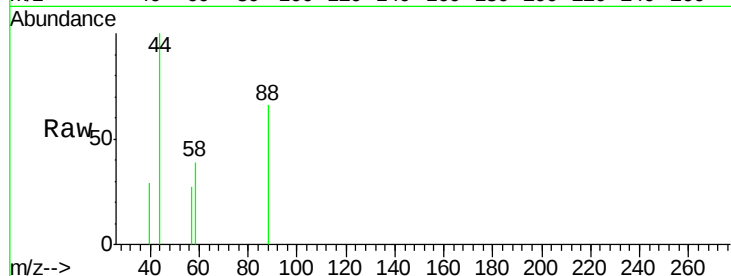




#49
 1,4-Dioxane
 Concen: 6.81 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VU025139.D
 Acq: 02 Jul 2018 13:34

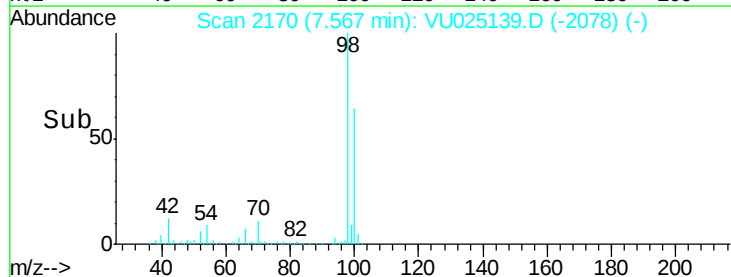
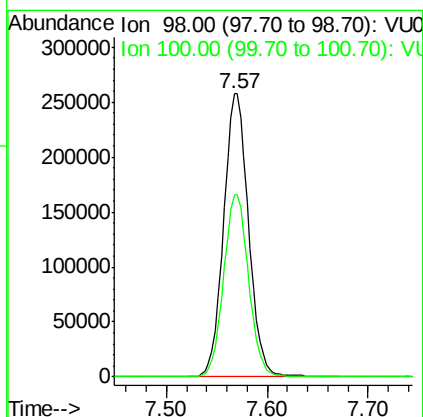
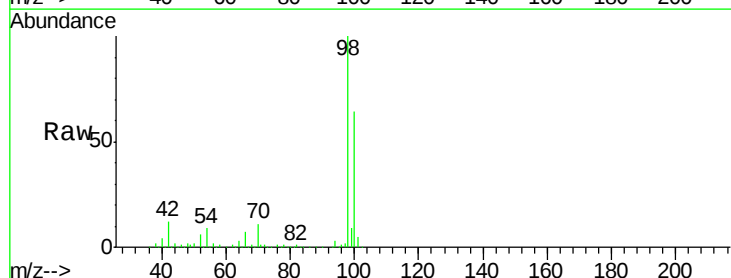
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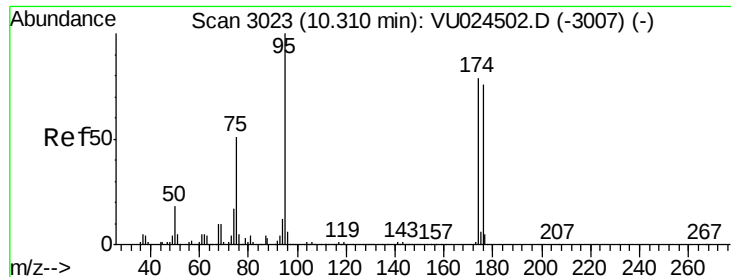
Tot Ion: 88 Resp: 448
 Ion Ratio Lower Upper
 88 100
 43 9.4 28.6 42.8#
 58 39.5 58.2 87.4#



#50
 Toluene-d8
 Concen: 47.26 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU025139.D
 Acq: 02 Jul 2018 13:34

Tgt Ion: 98 Resp: 446162
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 44.62 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025139.D

Acq: 02 Jul 2018 13:34

Instrument :

MSVOA_U

ClientSampleId :

WP021RW350-180625DL

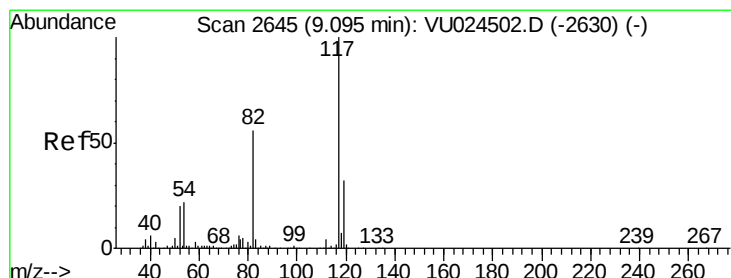
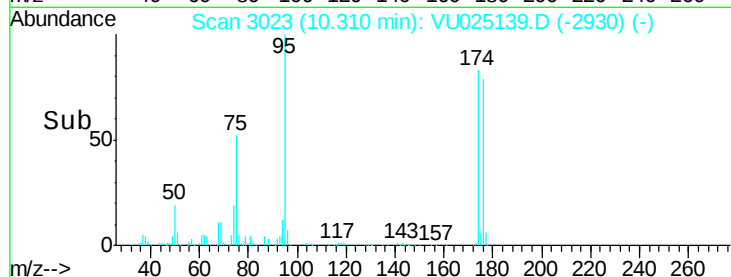
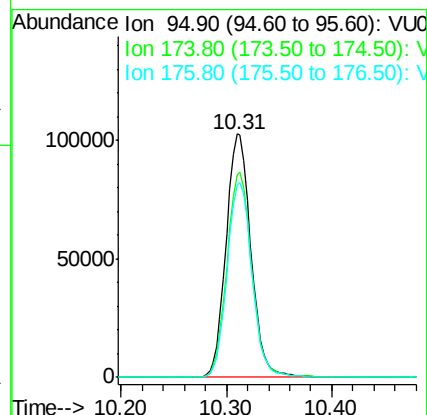
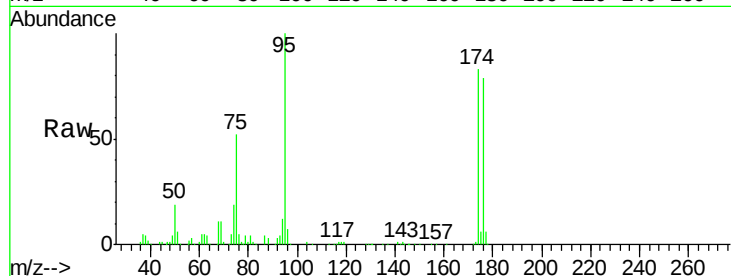
Tot Ion: 95 Resp: 167243

Ion Ratio Lower Upper

95 100

174 84.8 0.0 165.8

176 80.5 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: VU025139.D

Acq: 02 Jul 2018 13:34

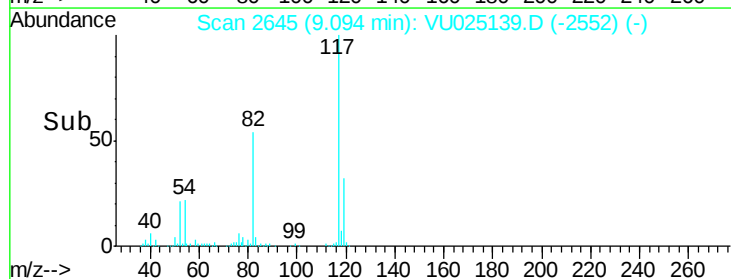
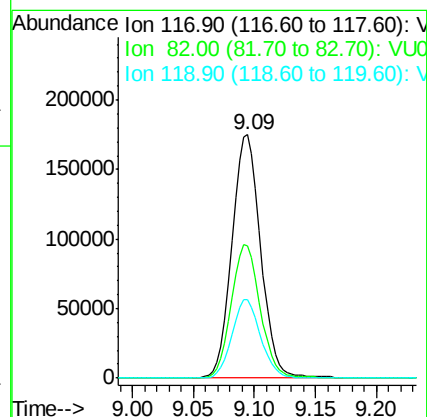
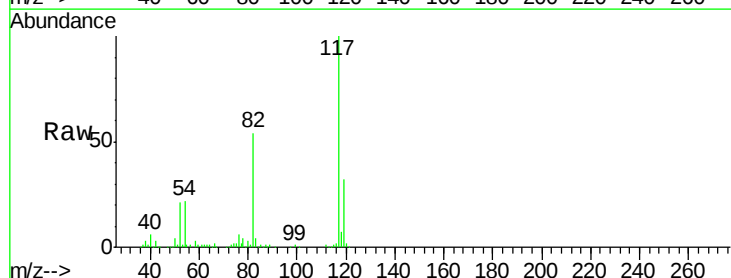
Tgt Ion: 117 Resp: 289148

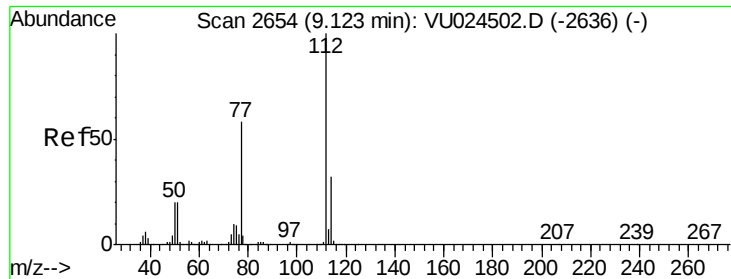
Ion Ratio Lower Upper

117 100

82 54.5 44.3 66.5

119 32.1 25.4 38.2

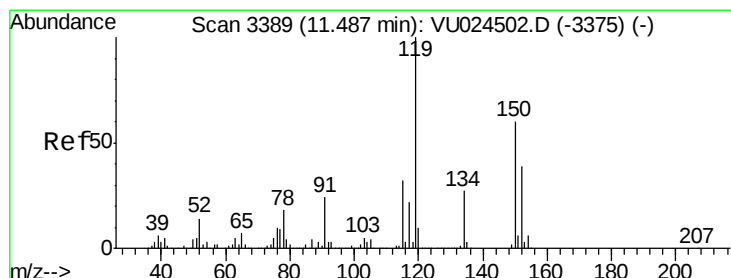
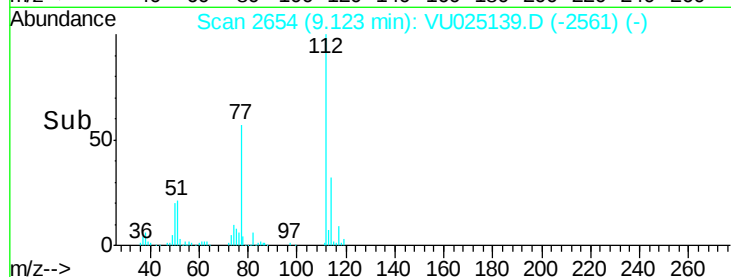
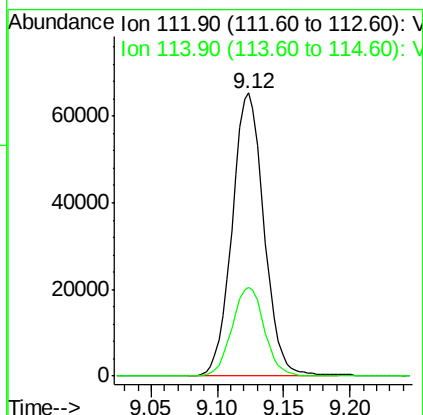
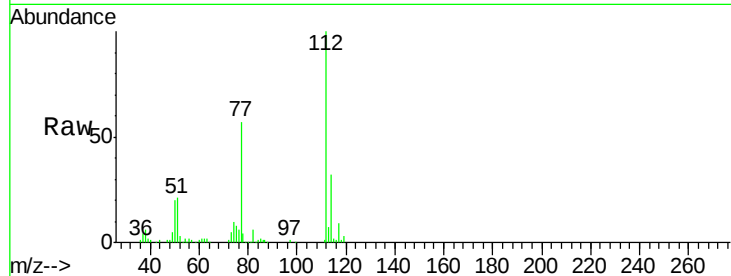




#65
Chlorobenzene
Concen: 14.79 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025139.D
Acq: 02 Jul 2018 13:34

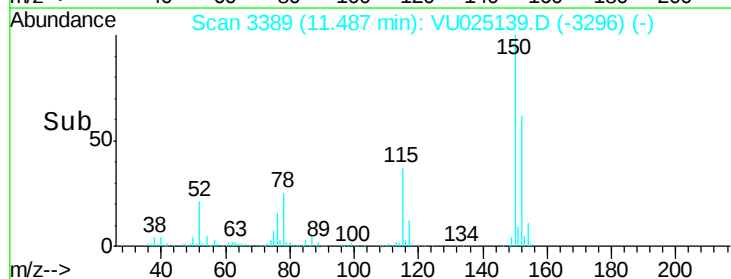
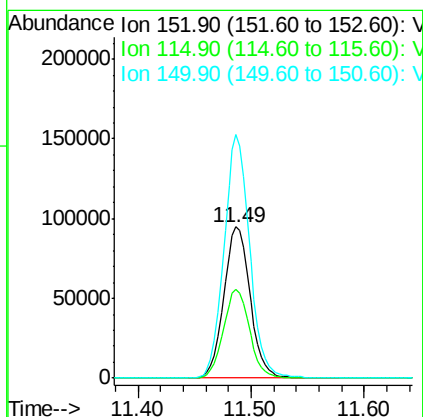
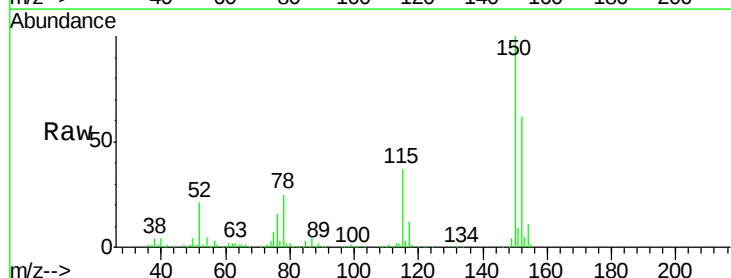
Instrument :
MSVOA_U
ClientSampleId :
WP021RW350-180625DL

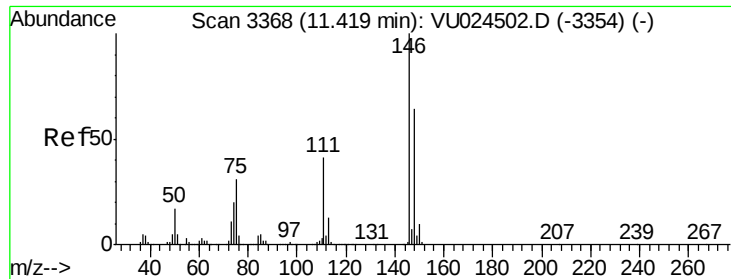
Tot Ion:112 Resp: 109212
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025139.D
Acq: 02 Jul 2018 13:34

Tgt Ion:152 Resp: 153695
Ion Ratio Lower Upper
152 100
115 58.4 43.0 129.0
150 156.3 0.0 354.0

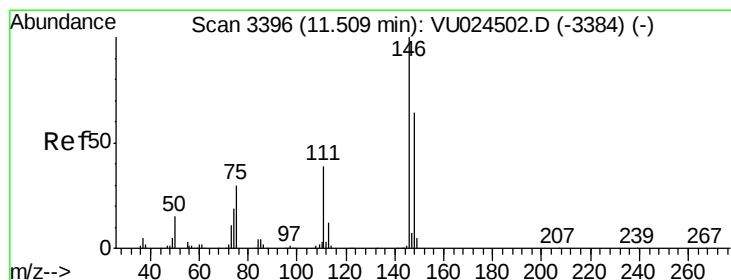
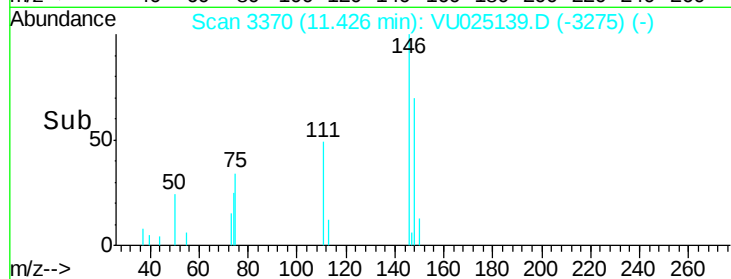
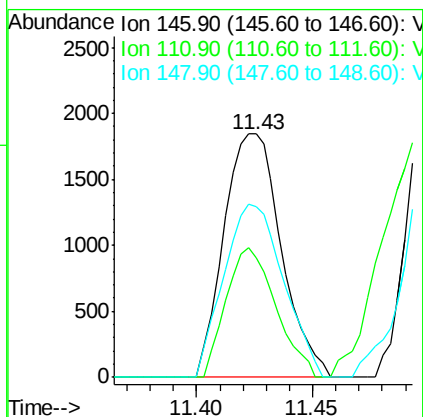
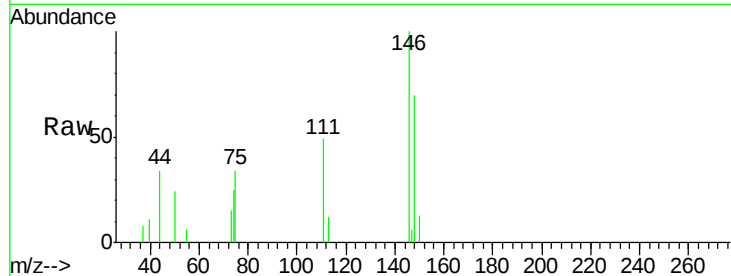




#87
 1,3-Dichlorobenzene
 Concen: 0.57 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: VU025139.D
 Acq: 02 Jul 2018 13:34

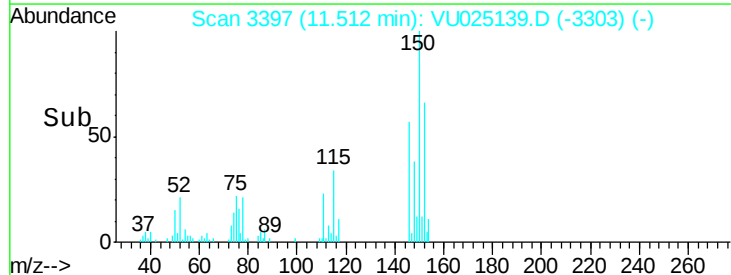
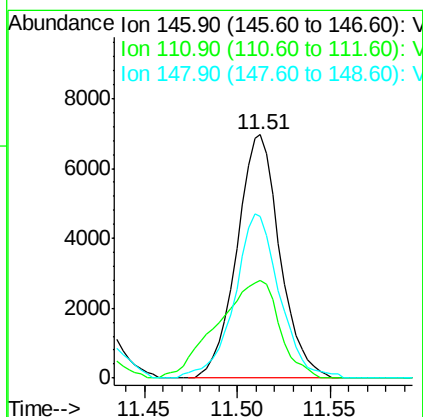
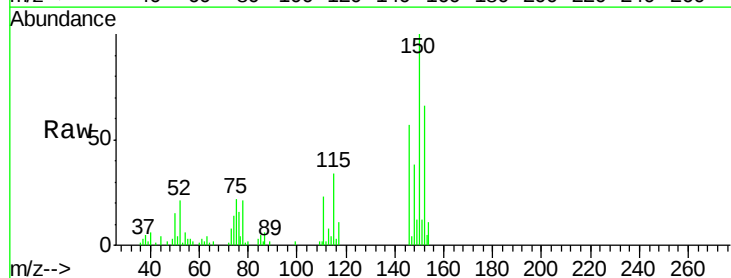
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW350-180625DL

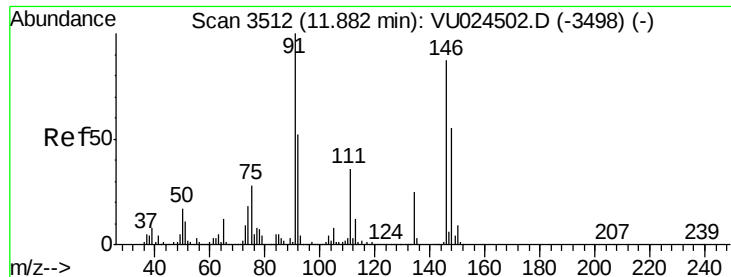
Tot Ion:146 Resp: 3162
 Ion Ratio Lower Upper
 146 100
 111 46.2 20.0 60.0
 148 73.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 2.02 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025139.D
 Acq: 02 Jul 2018 13:34

Tgt Ion:146 Resp: 11210
 Ion Ratio Lower Upper
 146 100
 111 57.7 19.5 58.5
 148 70.4 32.4 97.0





#91
 1,2-Dichlorobenzene
 Concen: 6.90 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025139.D
 Acq: 02 Jul 2018 13:34

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW350-180625DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.5	61.6
148	66.6	31.9	95.7

