

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025219.D
 Acq On : 05 Jul 2018 16:38
 Operator : MD/SY
 Sample : J3808-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW364-180628

Quant Time: Jul 06 05:14:43 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	197854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	295865	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	276171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	137417	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	151307	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
35) Dibromofluoromethane	4.89	113	116594	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
50) Toluene-d8	7.57	98	431771	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	10.31	95	155475	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	

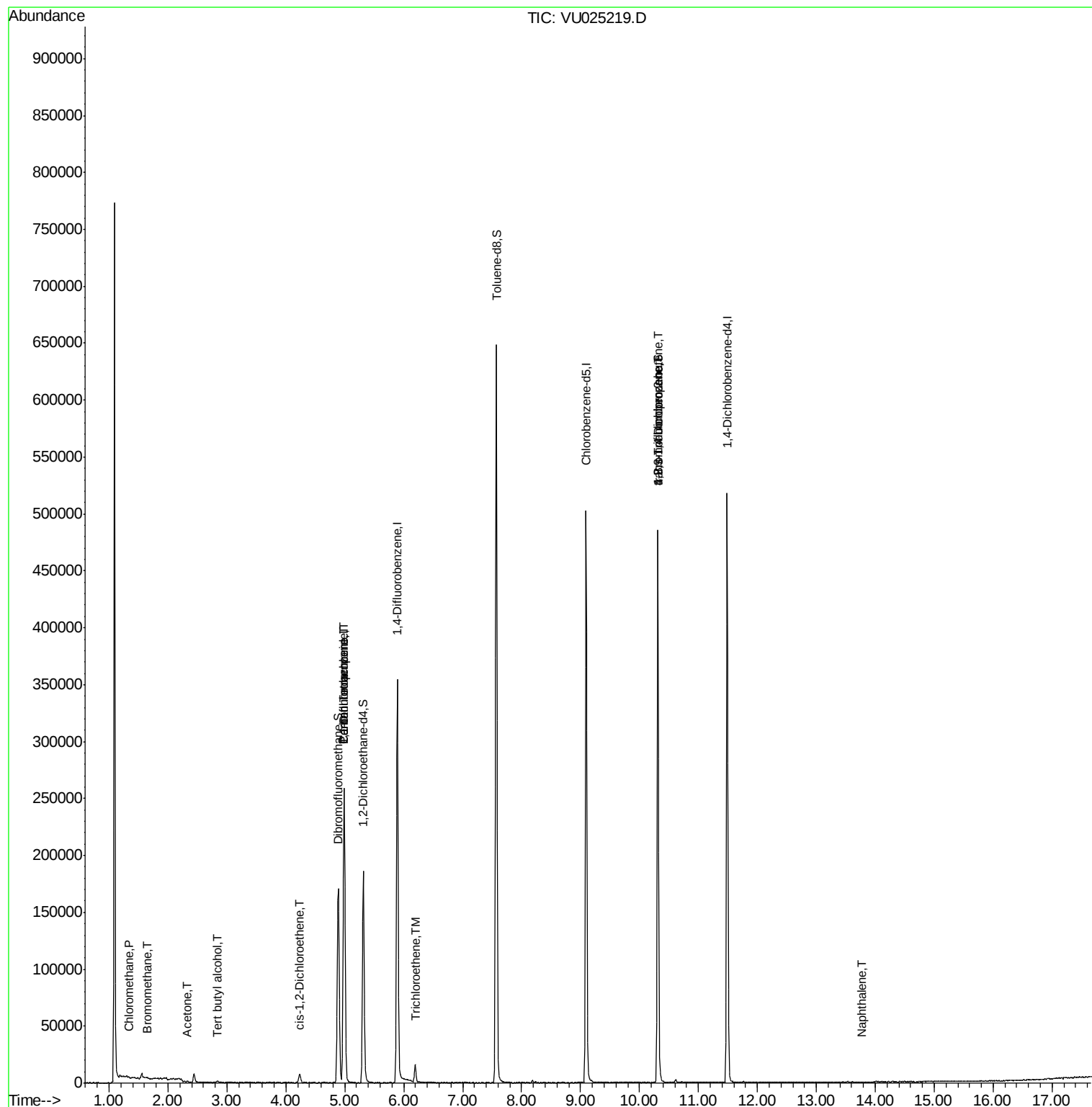
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	746	0.29	ug/l	94
5) Bromomethane	1.64	94	357	0.28	ug/l	# 51
6) Chloroethane	1.70	64	138	Below Cal	#	43
11) Tert butyl alcohol	2.83	59	1238	1.58	ug/l	# 85
16) Acetone	2.32	43	1232	0.71	ug/l	# 86
27) cis-1,2-Dichloroethene	4.24	96	4280	1.50	ug/l	84
31) Cyclohexane	4.99	56	3723	Below Cal	#	11
36) 1,1-Dichloropropene	4.99	75	14451	4.16	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	19373	5.07	ug/l	# 16
44) Trichloroethene	6.19	130	5616	1.99	ug/l	91
76) 1,2,3-Trichloropropane	10.31	75	82017	27.11	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	10.31	75	82017	62.74	ug/l	# 100
95) Naphthalene	13.78	128	19	0.68	ug/l	# 69

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

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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: VU025219.D

Acq: 05 Jul 2018 16:38

Instrument :

MSVOA_U

ClientSampleId :

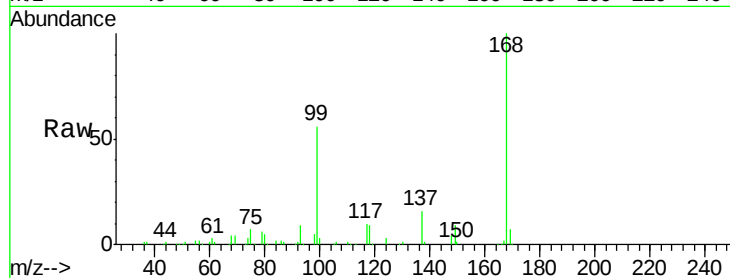
WP021MW364-180628

Tot Ion:168 Resp: 197854

Ion Ratio Lower Upper

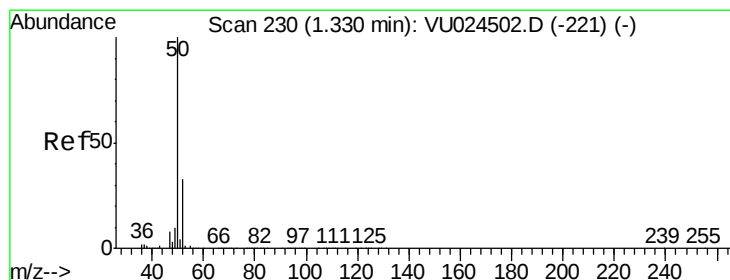
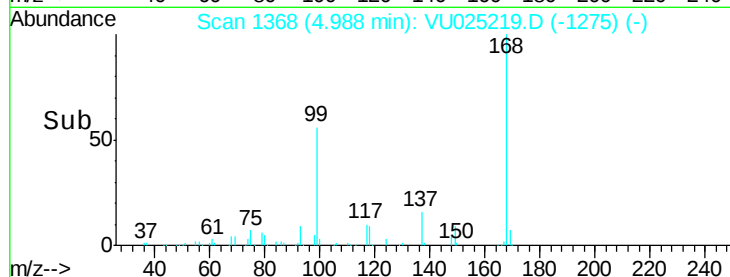
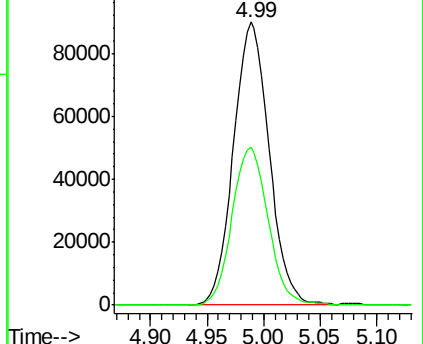
168 100

99 55.9 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) (-)



#3

Chloromethane

Concen: 0.29 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025219.D

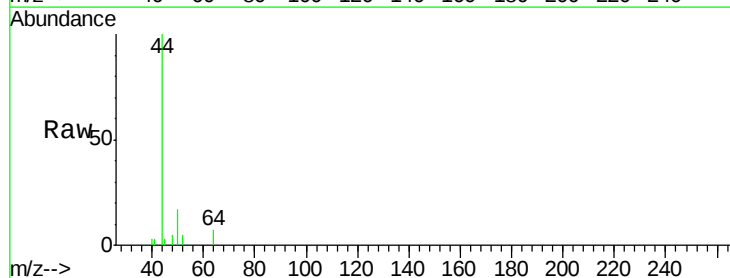
Acq: 05 Jul 2018 16:38

Tgt Ion: 50 Resp: 746

Ion Ratio Lower Upper

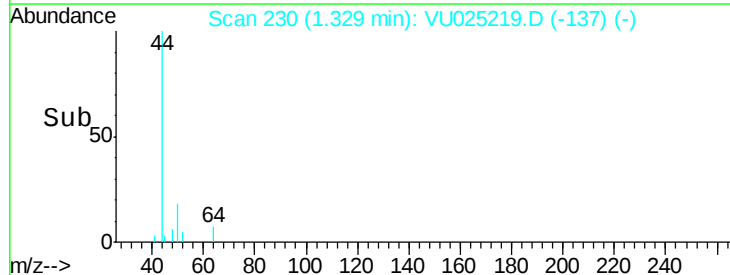
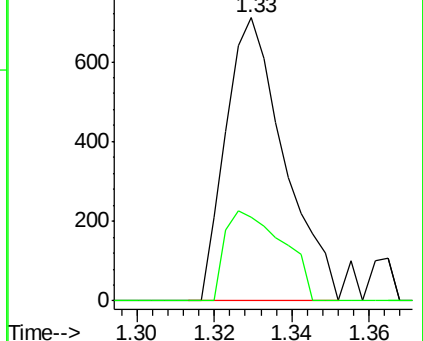
50 100

52 29.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)





#5

Bromomethane

Concen: 0.28 ug/l

RT: 1.64 min Scan# 328

Delta R.T. 0.02 min

Lab File: VU025219.D

Acq: 05 Jul 2018 16:38

Instrument :

MSVOA_U

ClientSampleId :

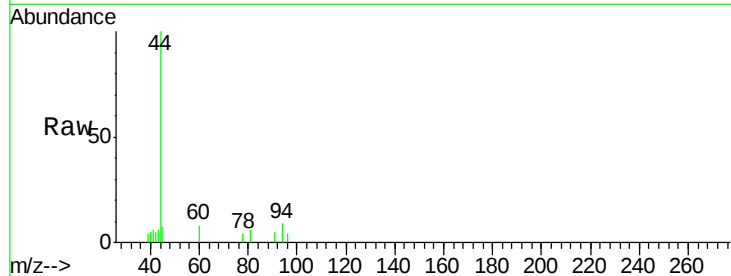
WP021MW364-180628

Tot Ion: 94 Resp: 357

Ion Ratio Lower Upper

94 100

96 46.5 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.64

250

200

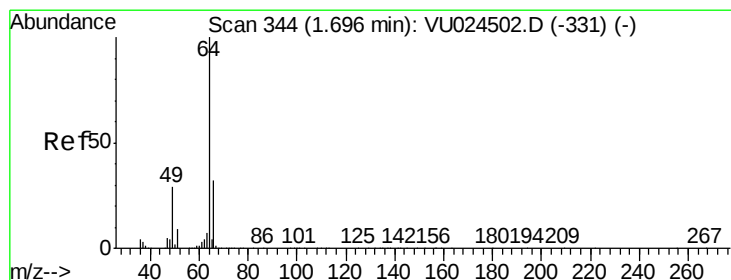
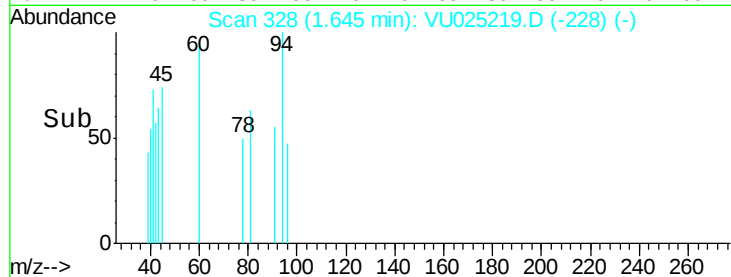
150

100

50

0

Time--> 1.60 1.62 1.64 1.66



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU025219.D

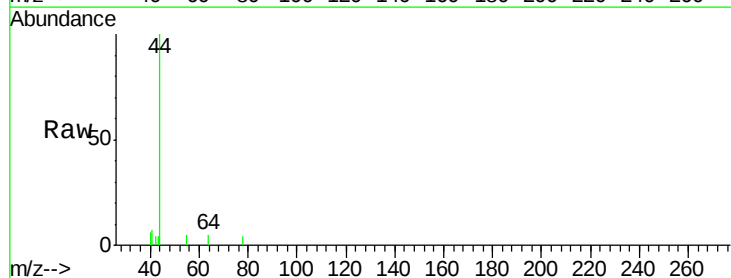
Acq: 05 Jul 2018 16:38

Tgt Ion: 64 Resp: 138

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

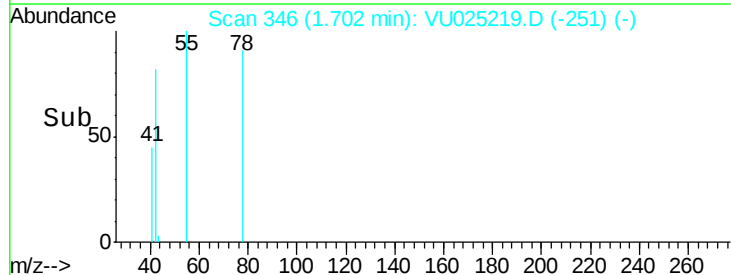
150

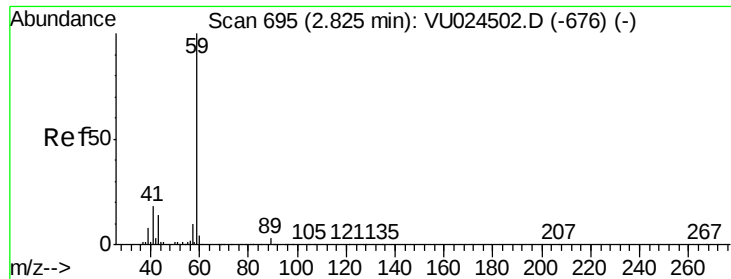
100

50

0

Time--> 1.69 1.70 1.71 1.72 1.73

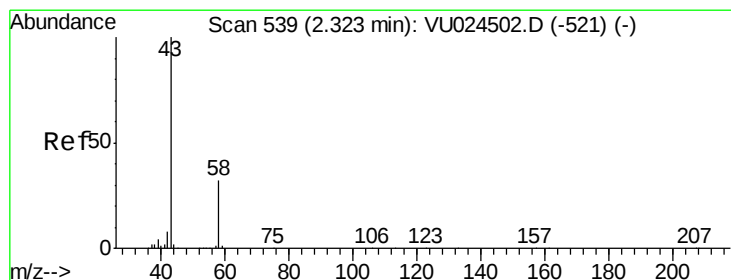
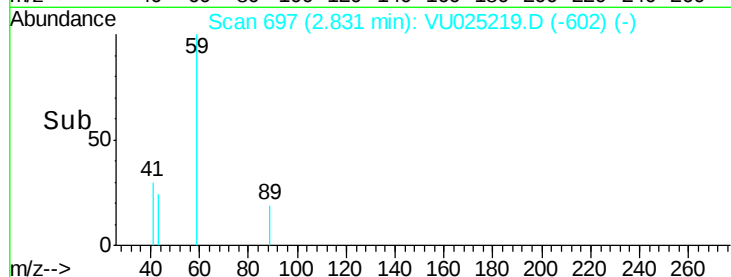
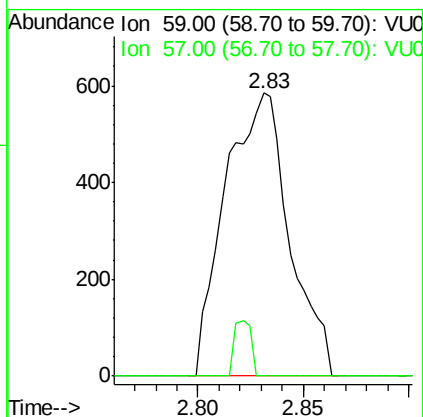
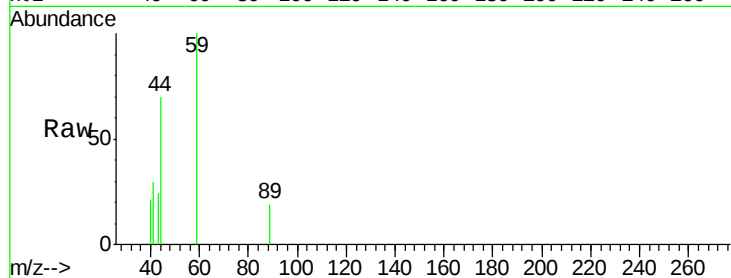




#11
Tert butyl alcohol
Concen: 1.58 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU025219.D
Acq: 05 Jul 2018 16:38

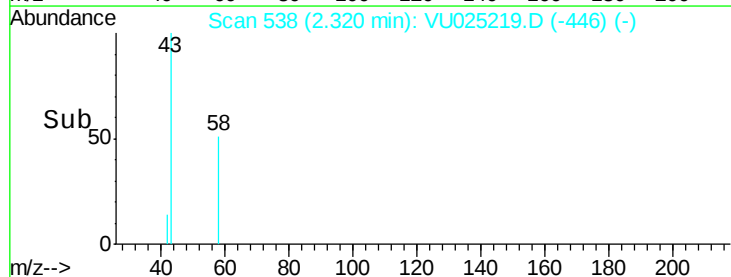
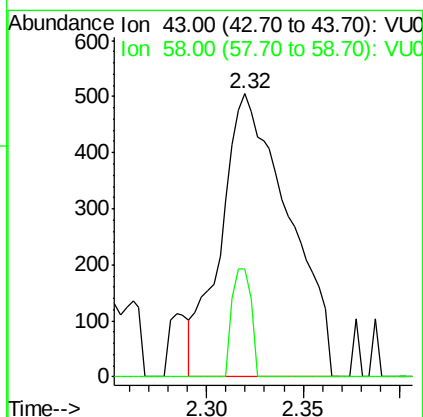
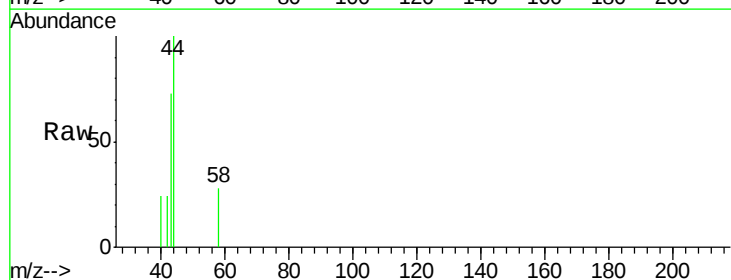
Instrument :
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WP021MW364-180628

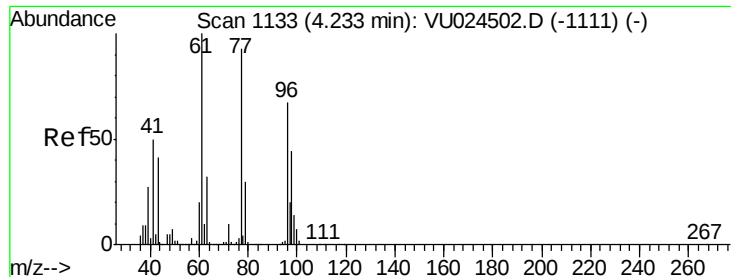
Tot Ion: 59 Resp: 1238
Ion Ratio Lower Upper
59 100
57 5.1 8.5 12.7#



#16
Acetone
Concen: 0.71 ug/l
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU025219.D
Acq: 05 Jul 2018 16:38

Tgt Ion: 43 Resp: 1232
Ion Ratio Lower Upper
43 100
58 38.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 1.50 ua/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU025219.D

Acq: 05 Jul 2018 16:38

Instrument :

MSVOA_U

ClientSampleId :

WP021MW364-180628

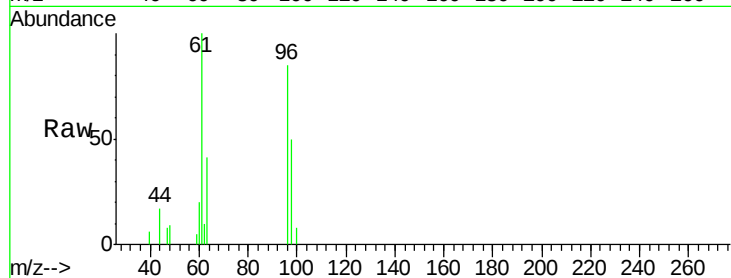
Tot Ion: 96 Resp: 4280

Ion Ratio Lower Upper

96 100

61 127.3 0.0 306.6

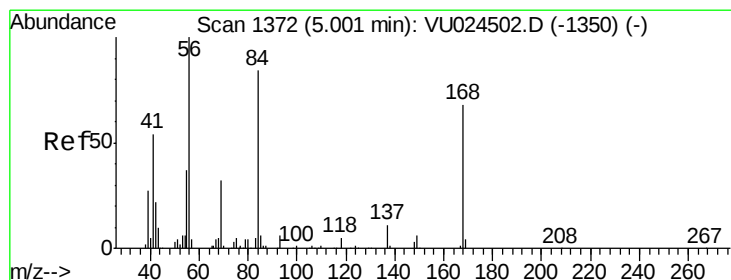
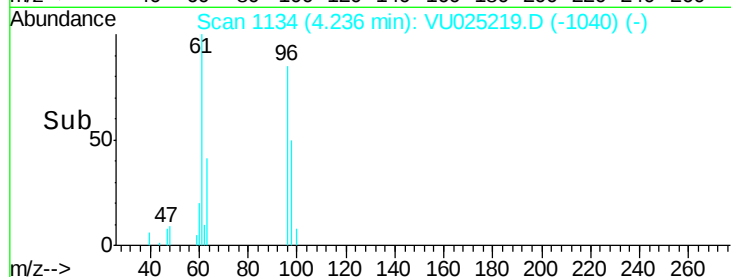
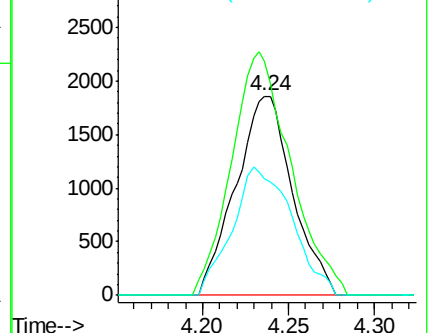
98 67.8 0.0 128.8



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



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025219.D

Acq: 05 Jul 2018 16:38

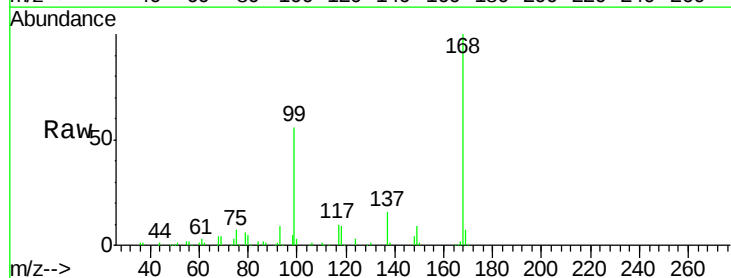
Tgt Ion: 56 Resp: 3723

Ion Ratio Lower Upper

56 100

69 168.4 24.8 37.2#

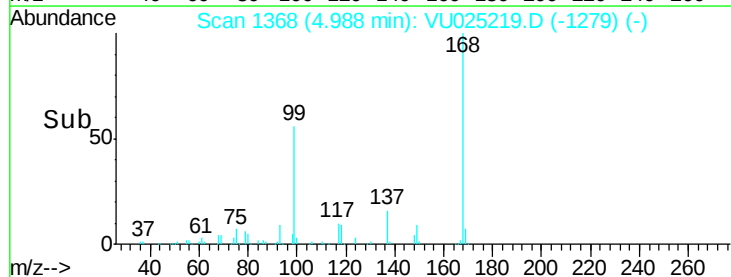
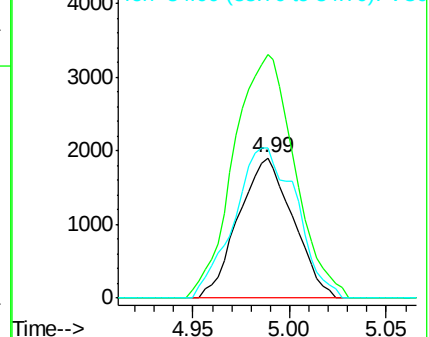
84 106.8 65.2 97.8#

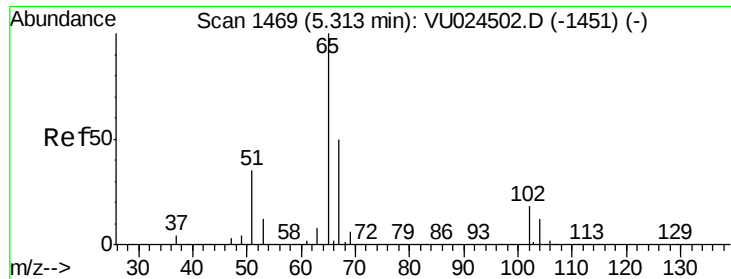


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

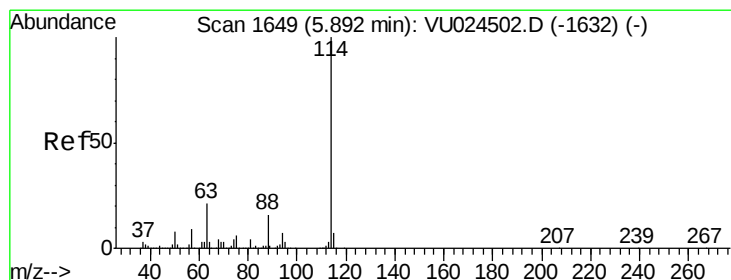
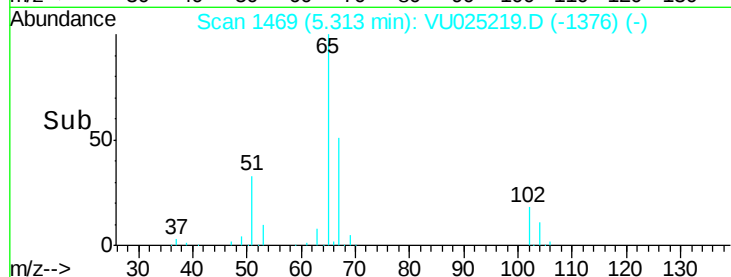
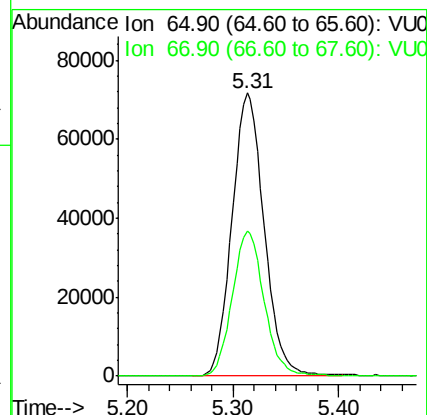
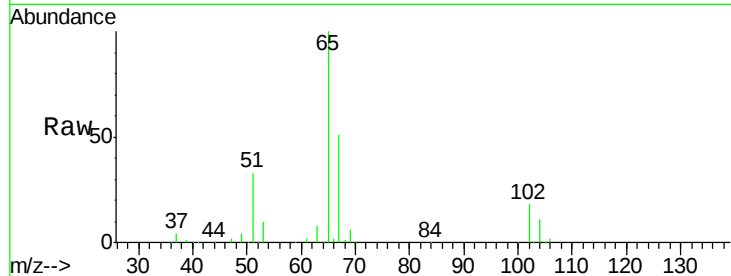




#33
 1,2-Dichloroethane-d4
 Concen: 46.84 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025219.D
 Acq: 05 Jul 2018 16:38

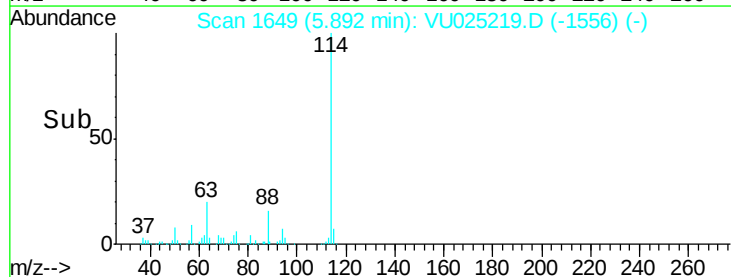
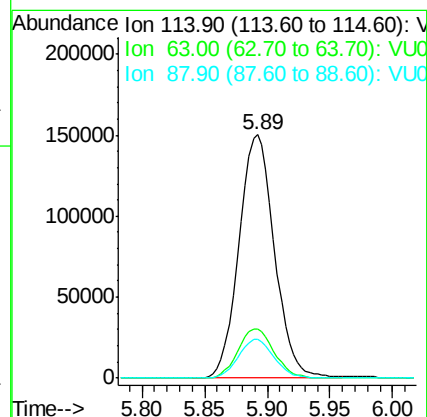
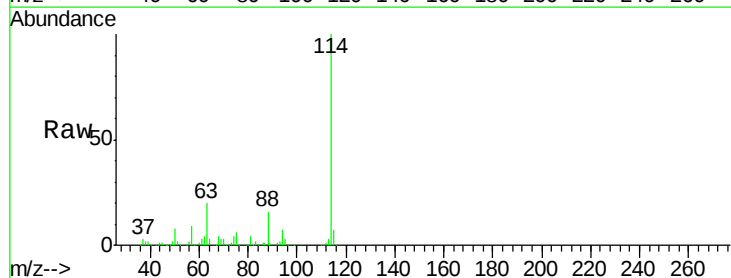
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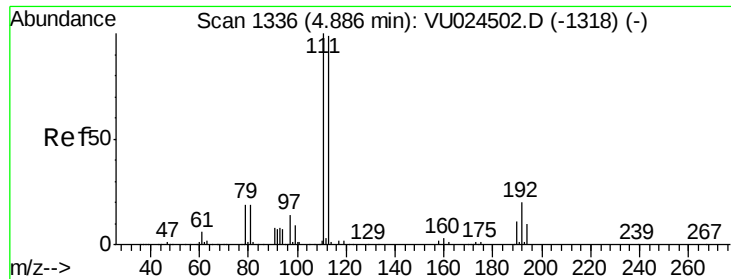
Tot Ion: 65 Resp: 151307
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025219.D
 Acq: 05 Jul 2018 16:38

Tgt Ion: 114 Resp: 295865
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 45.4
 88 15.9 0.0 31.0

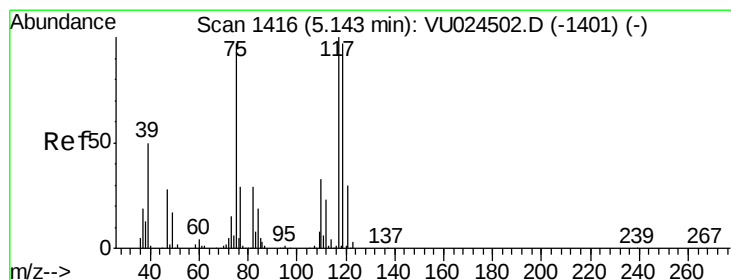
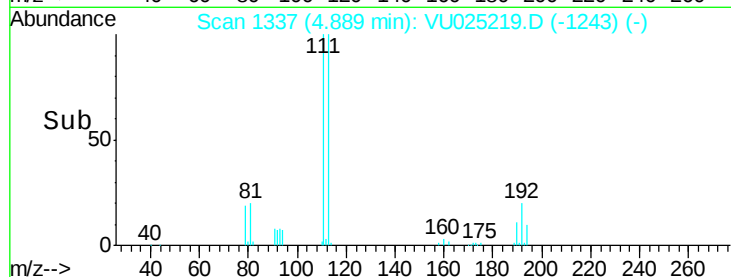
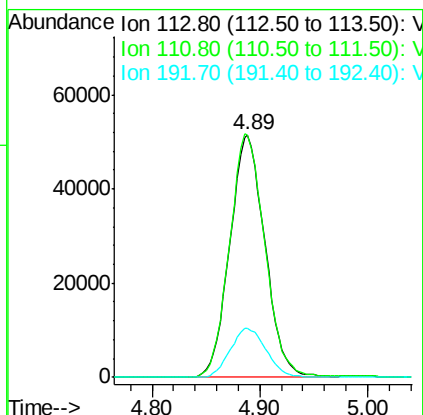
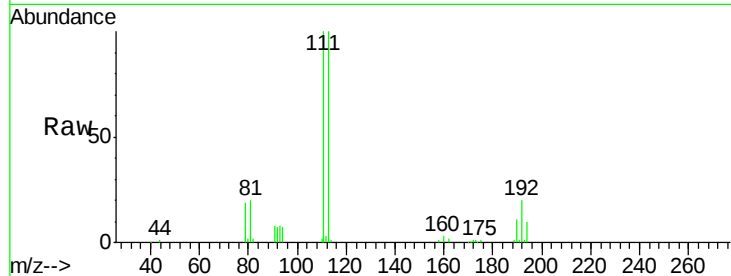




#35
 Dibromofluoromethane
 Concen: 47.48 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025219.D
 Acq: 05 Jul 2018 16:38

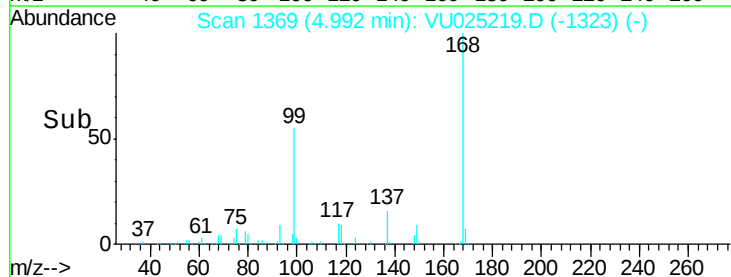
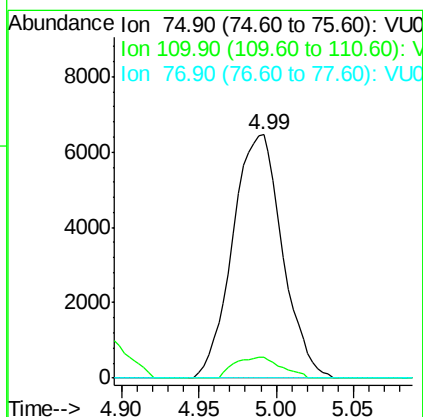
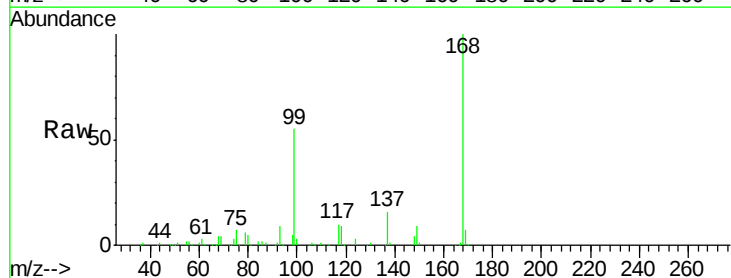
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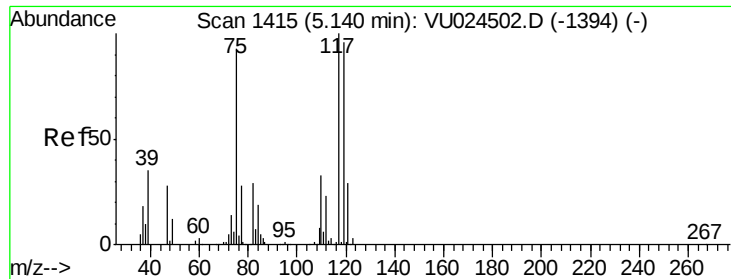
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.2	123.4
192	20.7	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.16 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU025219.D
 Acq: 05 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.0	50.9#
77	0.0	24.2	36.4#

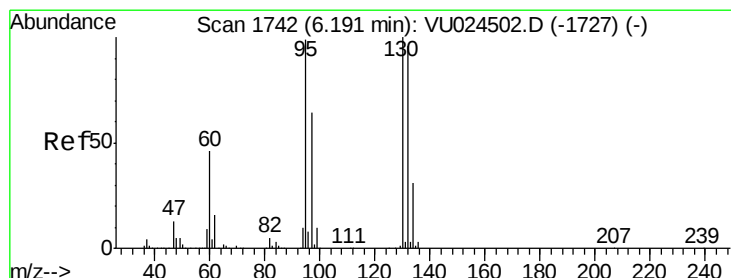
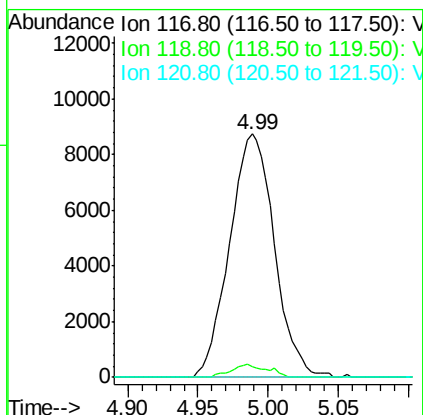
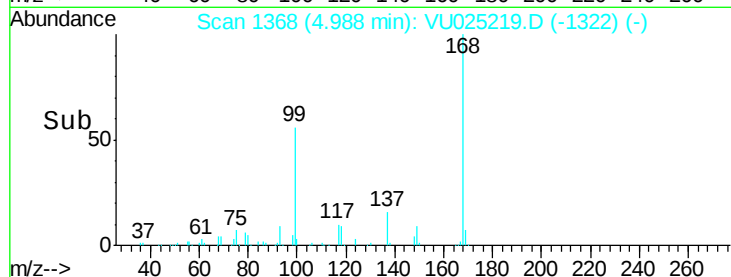
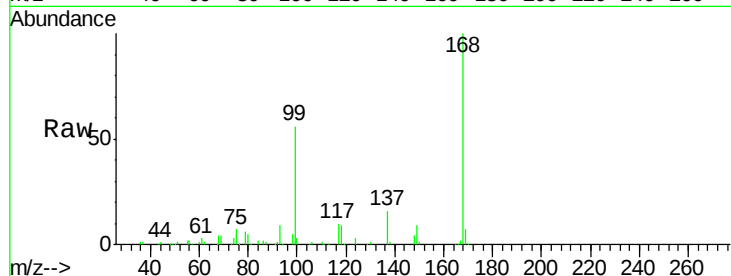




#38
Carbon Tetrachloride
Concen: 5.07 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025219.D
Acq: 05 Jul 2018 16:38

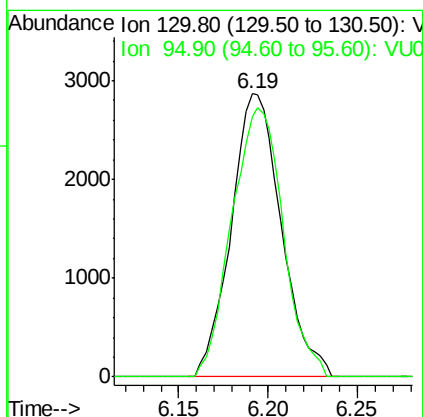
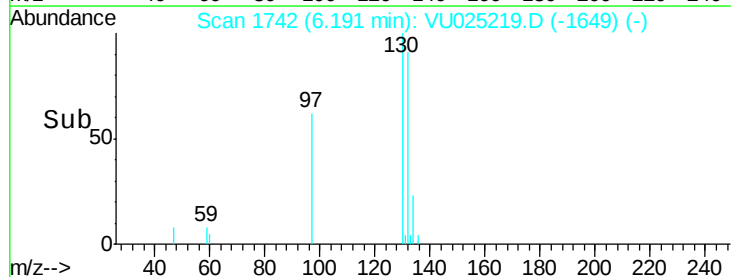
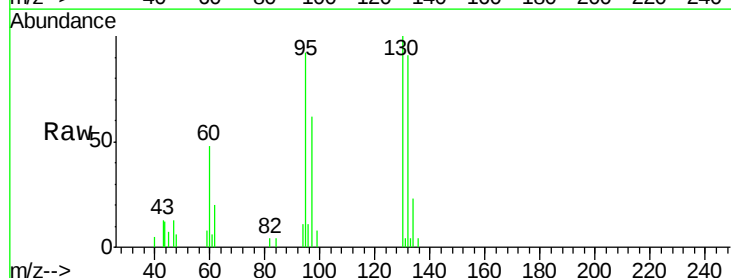
Instrument :
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WP021MW364-180628

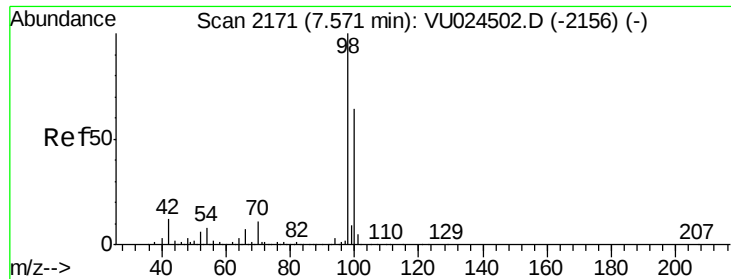
Tot Ion:117 Resp: 19373
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 23.7 35.5#



#44
Trichloroethene
Concen: 1.99 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU025219.D
Acq: 05 Jul 2018 16:38

Tgt Ion:130 Resp: 5616
Ion Ratio Lower Upper
130 100
95 91.9 0.0 202.4





#50

Toluene-d8

Concen: 48.21 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025219.D

Acq: 05 Jul 2018 16:38

Instrument :

MSVOA_U

ClientSampleId :

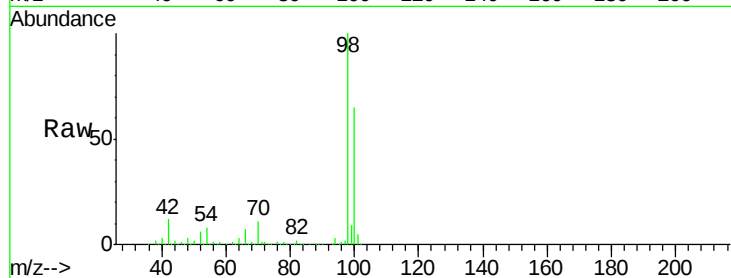
WP021MW364-180628

Tot Ion: 98 Resp: 431771

Ion Ratio Lower Upper

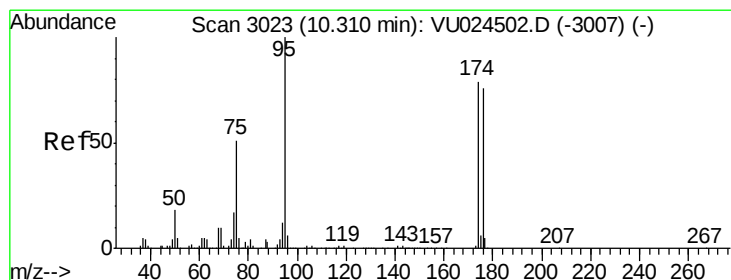
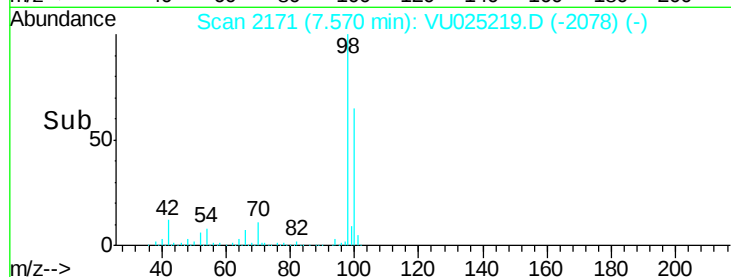
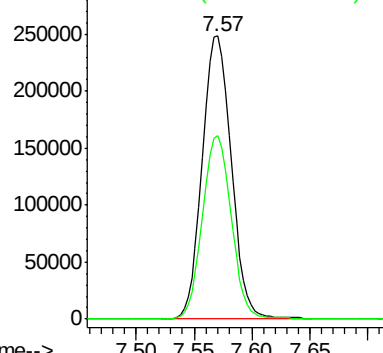
98 100

100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU



#62

4-Bromofluorobenzene

Concen: 43.72 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025219.D

Acq: 05 Jul 2018 16:38

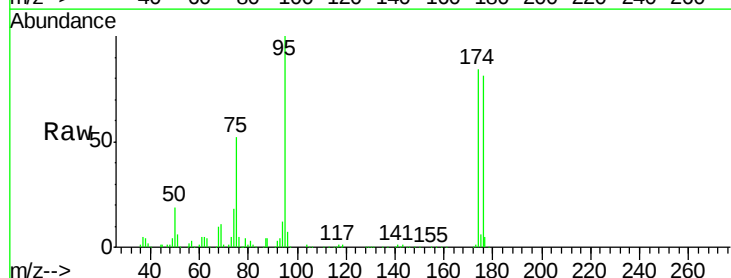
Tgt Ion: 95 Resp: 155475

Ion Ratio Lower Upper

95 100

174 86.0 0.0 165.8

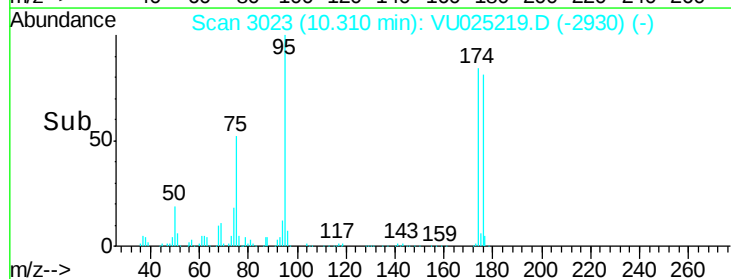
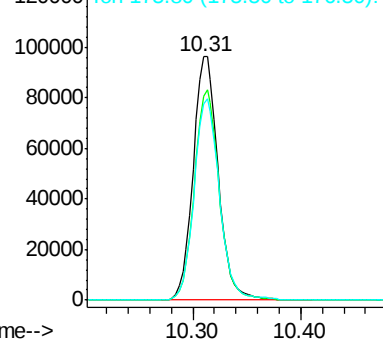
176 83.6 0.0 159.4

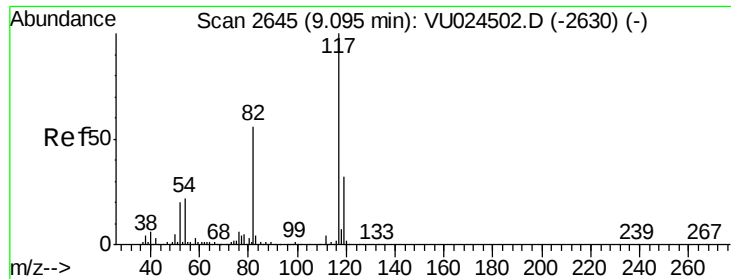


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

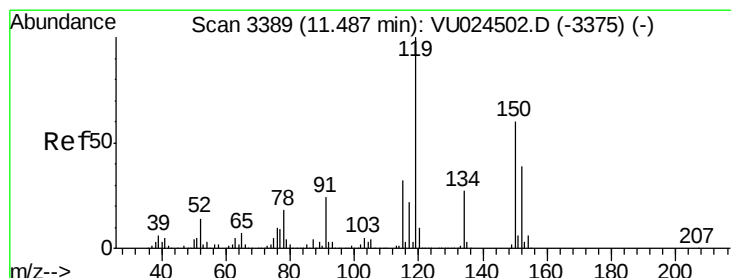
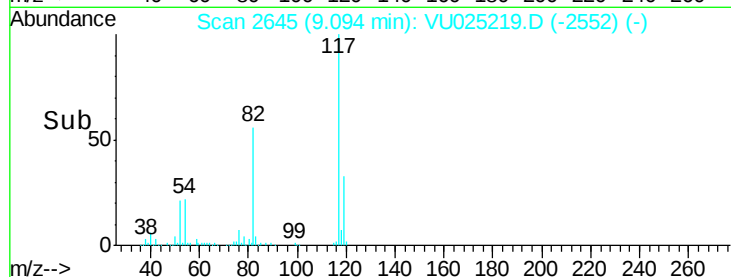
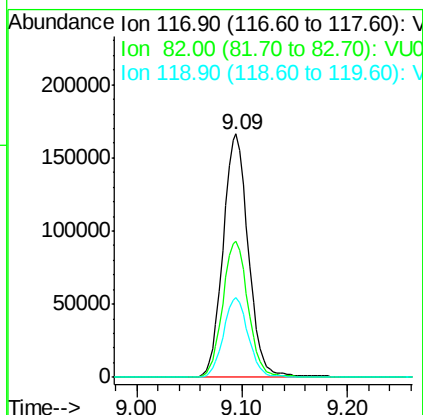
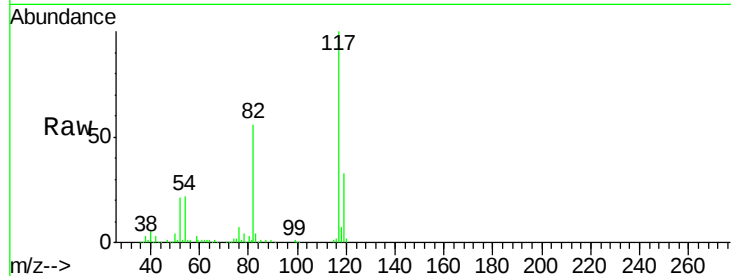




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025219.D
Acq: 05 Jul 2018 16:38

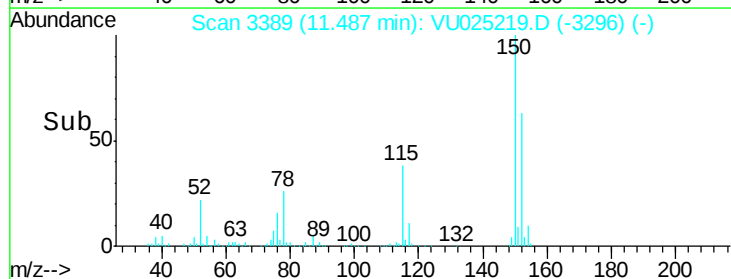
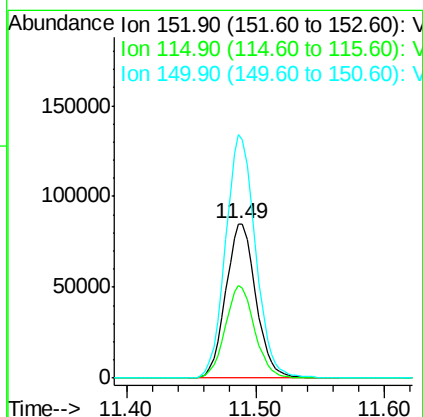
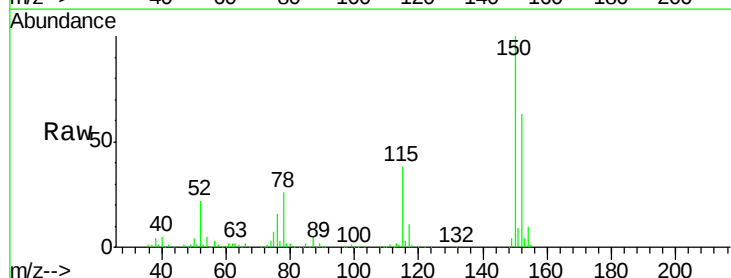
Instrument :
MSVOA_U
ClientSampleId :
WP021MW364-180628

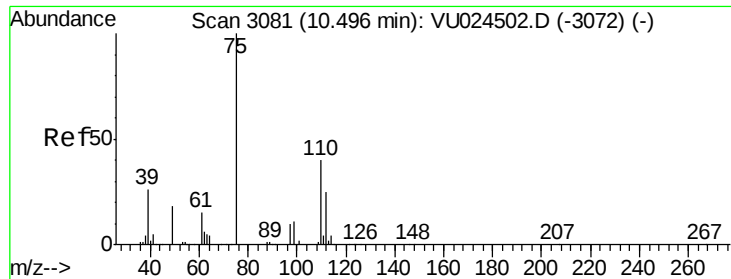
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.3	66.5
119	32.7	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025219.D
Acq: 05 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	43.0	129.0
150	157.0	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 27.11 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU025219.D

Acq: 05 Jul 2018 16:38

Instrument :

MSVOA_U

ClientSampleId :

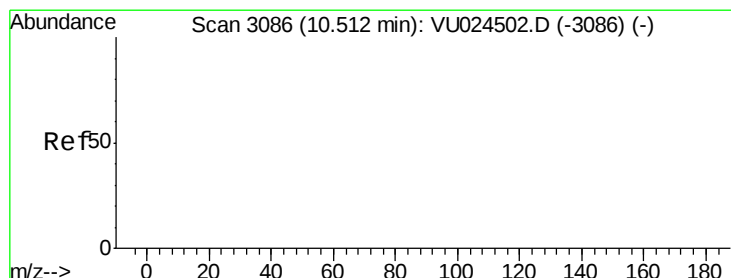
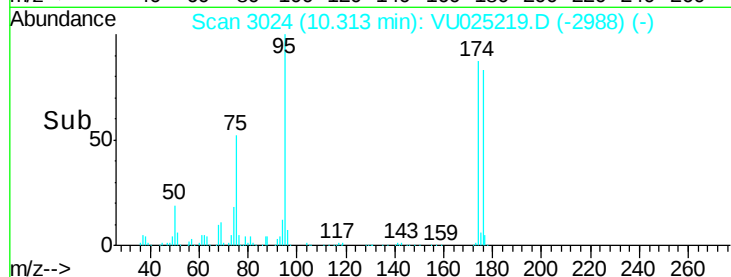
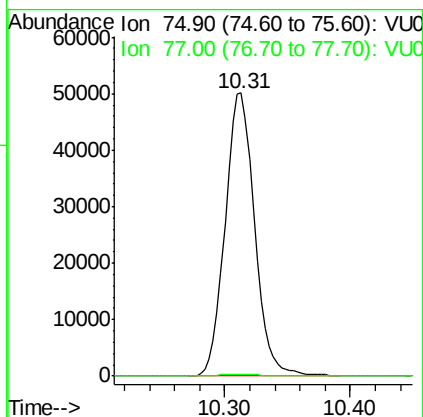
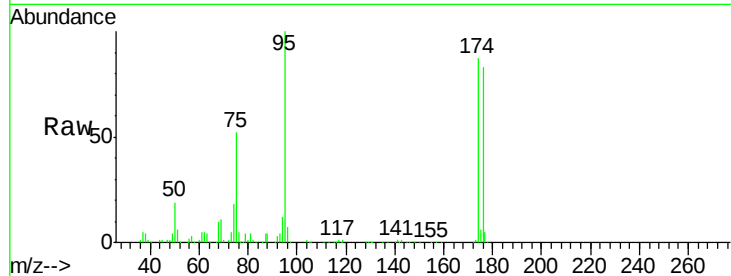
WP021MW364-180628

Tot Ion: 75 Resp: 82017

Ion Ratio Lower Upper

75 100

77 0.9 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.74 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.20 min

Lab File: VU025219.D

Acq: 05 Jul 2018 16:38

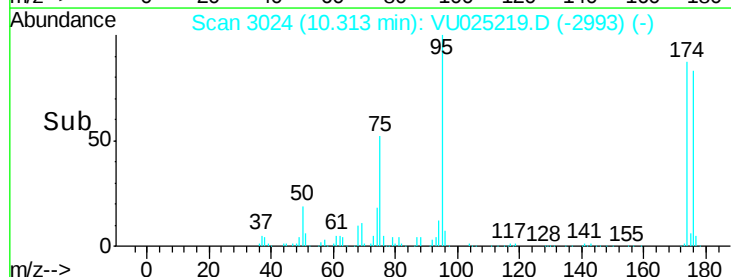
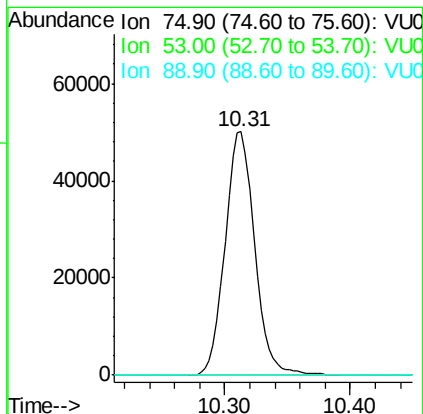
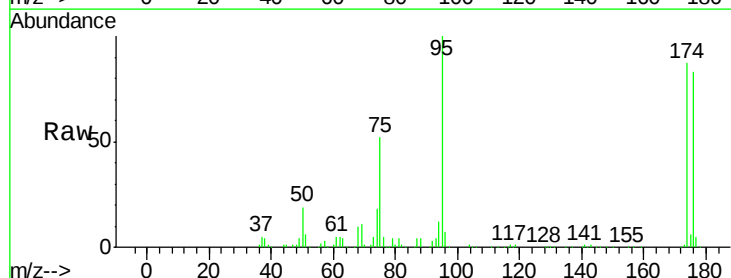
Tgt Ion: 75 Resp: 82017

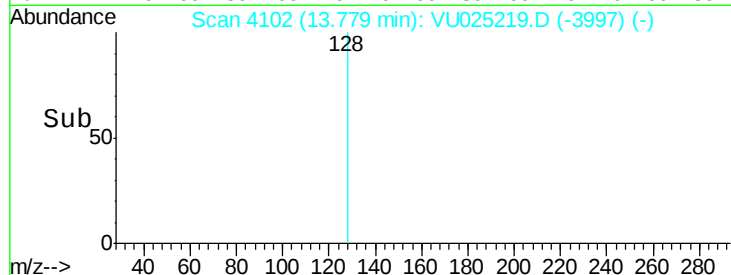
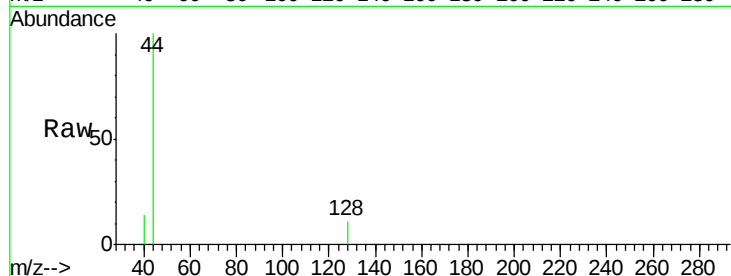
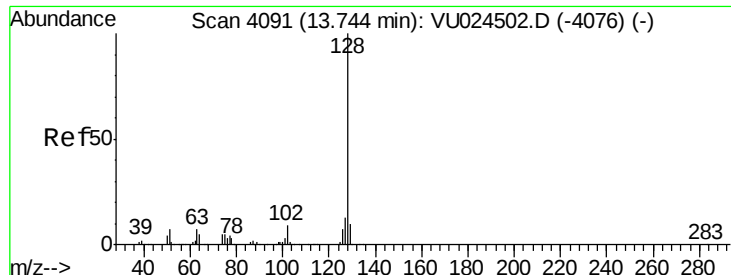
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.68 ug/l

RT: 13.78 min Scan# 4102

Delta R.T. 0.04 min

Lab File: VU025219.D

Acq: 05 Jul 2018 16:38

Instrument :

MSVOA_U

ClientSampleId :

WP021MW364-180628

Tot Ion:128 Resp: 19

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

