

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025117.D
 Acq On : 01 Jul 2018 04:07
 Operator : MD/SY
 Sample : J3804-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-01

Quant Time: Jul 02 05:47:02 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	206041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	310400	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	148007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	157471	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
35) Dibromofluoromethane	4.89	113	121643	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
50) Toluene-d8	7.57	98	448793	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
62) 4-Bromofluorobenzene	10.31	95	163430	43.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.62%	

Target Compounds

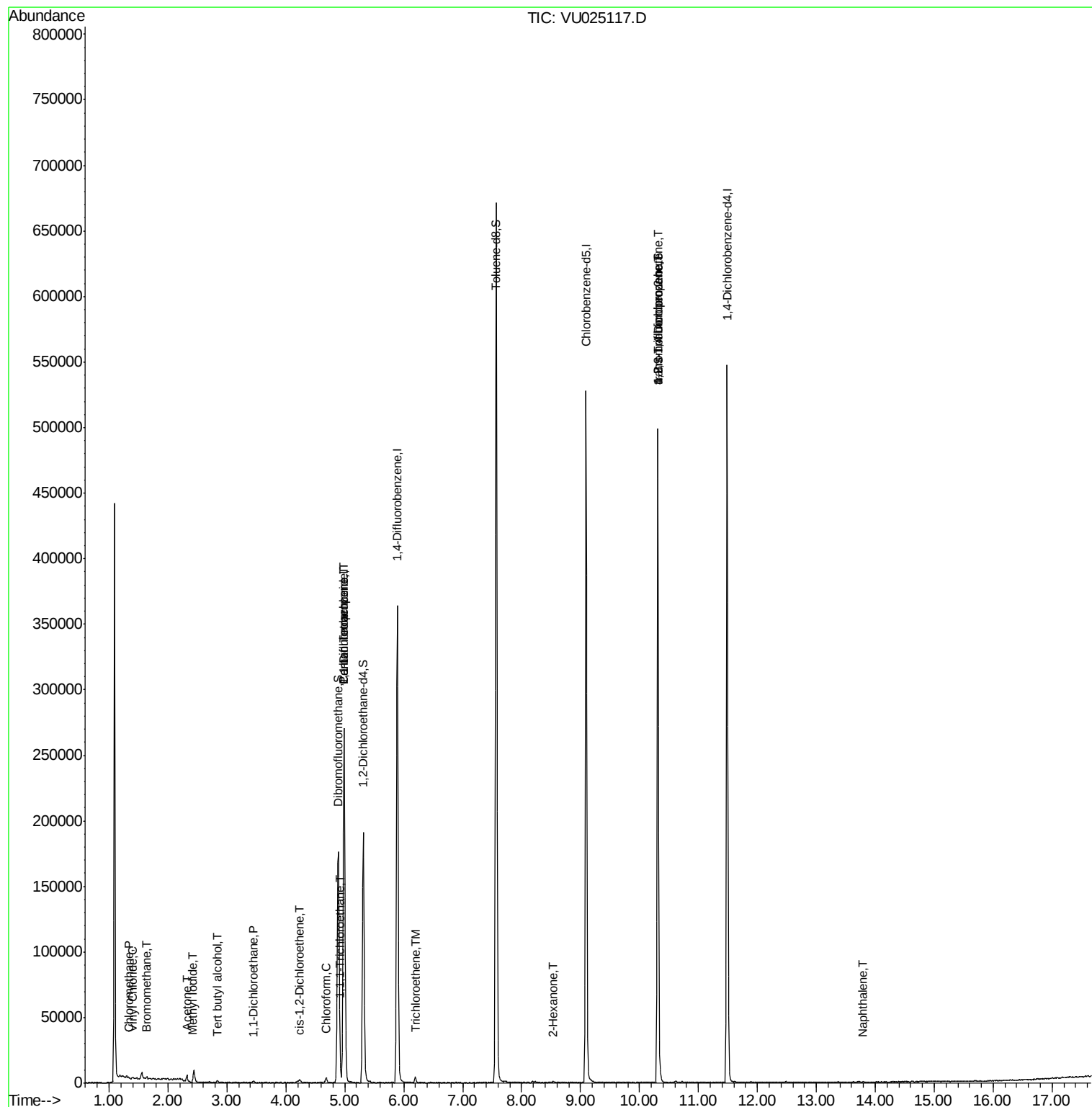
					Qvalue	
3) Chloromethane	1.33	50	881	0.334	ug/l	94
4) Vinyl Chloride	1.40	62	622	0.229	ug/l	95
5) Bromomethane	1.63	94	457	0.348	ug/l	96
6) Chloroethane	1.69	64	40	Below Cal	#	43
10) Methyl Iodide	2.41	142	128	5.341	ug/l #	40
11) Tert butyl alcohol	2.84	59	824	1.007	ug/l #	72
16) Acetone	2.32	43	5450	3.016	ug/l	98
24) 1,1-Dichloroethane	3.45	63	1591	0.320	ug/l #	83
27) cis-1,2-Dichloroethene	4.24	96	1434	0.483	ug/l	72
30) Chloroform	4.69	83	3674	0.731	ug/l	84
31) Cyclohexane	4.99	56	4203	Below Cal	#	1
32) 1,1,1-Trichloroethane	4.93	97	989	0.213	ug/l #	49
36) 1,1-Dichloropropene	4.99	75	16047	4.400	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20664	5.152	ug/l #	16
44) Trichloroethene	6.20	130	1712	0.579	ug/l	88
59) 2-Hexanone	8.54	43	845	0.240	ug/l #	26
76) 1,2,3-Trichloropropane	10.31	75	85202	26.147	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	85202	60.515	ug/l #	100
95) Naphthalene	13.79	128	41	0.683	ug/l #	69

(#) = 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: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025117.D

Acq: 01 Jul 2018 04:07

Instrument :

MSVOA_U

ClientSampleId :

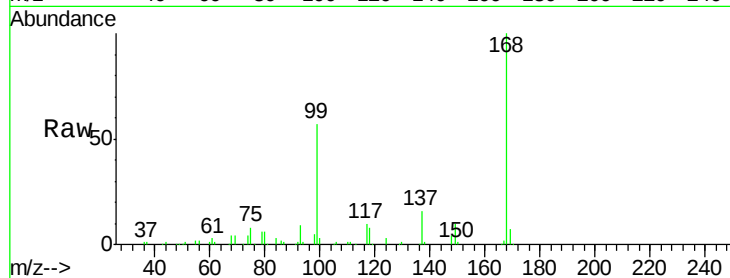
MW-01

Tgt Ion:168 Resp: 206041

Ion Ratio Lower Upper

168 100

99 56.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025117.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025117.D (-1275) (-)

4.99

100000

80000

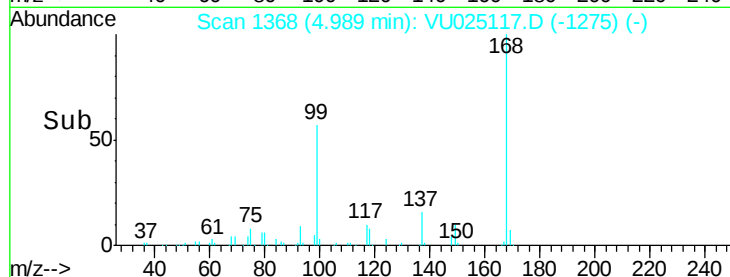
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.334 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025117.D

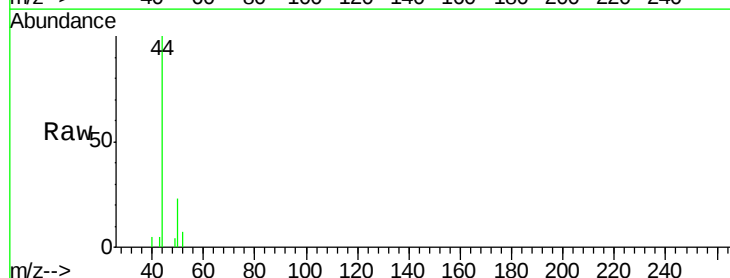
Acq: 01 Jul 2018 04:07

Tgt Ion: 50 Resp: 881

Ion Ratio Lower Upper

50 100

52 29.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU025117.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025117.D (-137) (-)

1.33

800

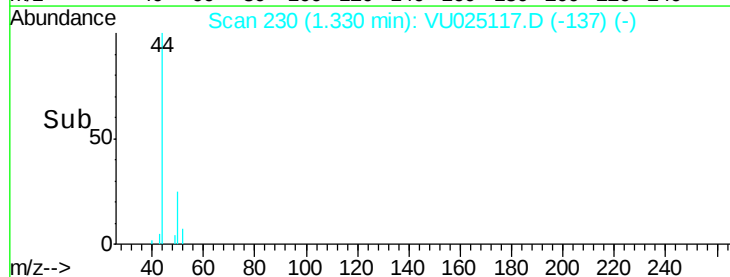
600

400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.229 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025117.D

Acq: 01 Jul 2018 04:07

Instrument :

MSVOA_U

ClientSampleId :

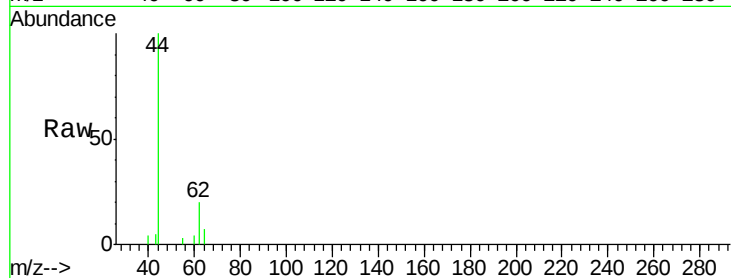
MW-01

Tgt Ion: 62 Resp: 622

Ion Ratio Lower Upper

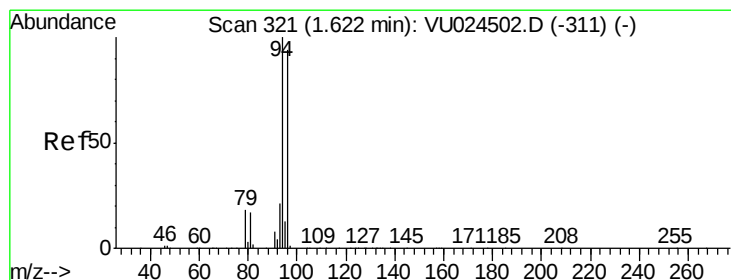
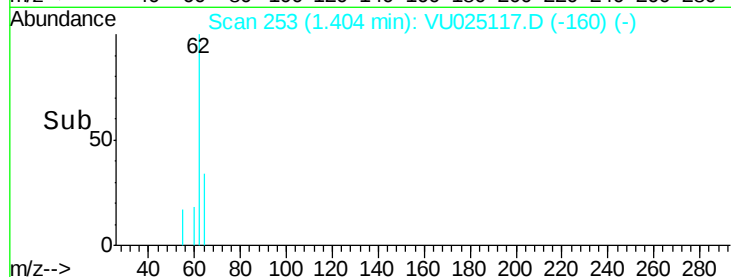
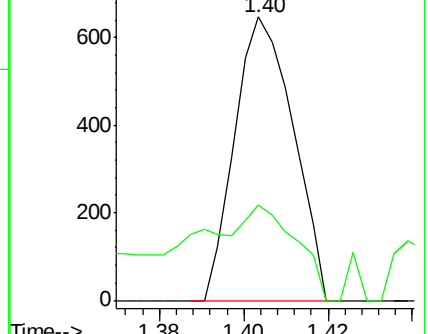
62 100

64 33.5 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.348 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU025117.D

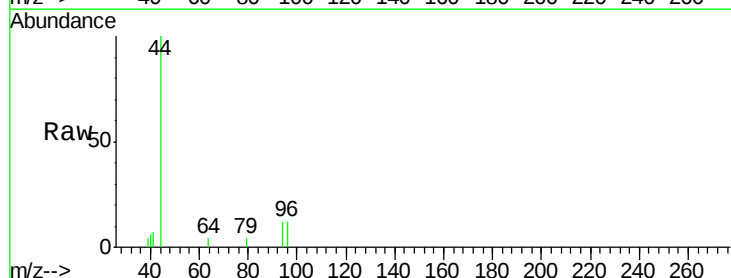
Acq: 01 Jul 2018 04:07

Tgt Ion: 94 Resp: 457

Ion Ratio Lower Upper

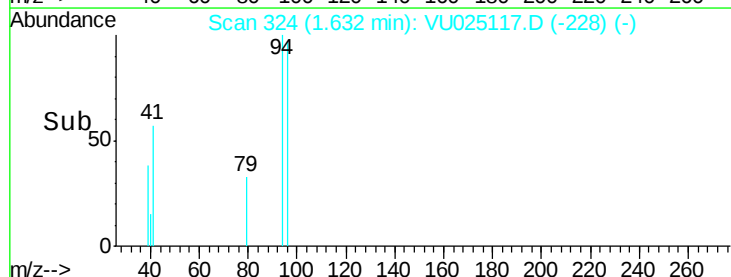
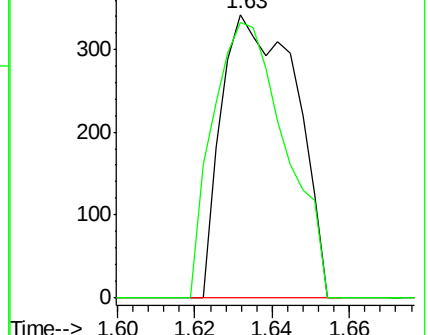
94 100

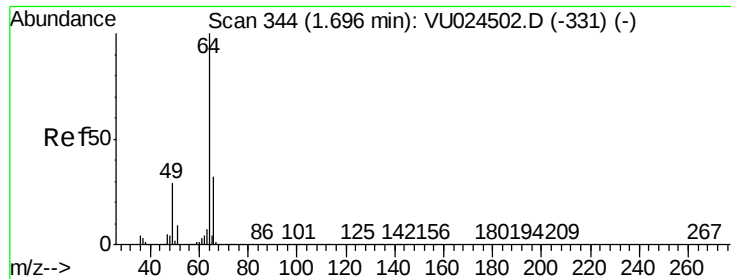
96 97.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025117.D

Acq: 01 Jul 2018 04:07

Instrument :

MSVOA_U

ClientSampleId :

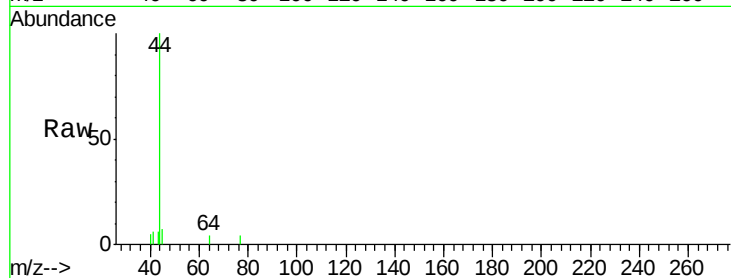
MW-01

Tgt Ion: 64 Resp: 40

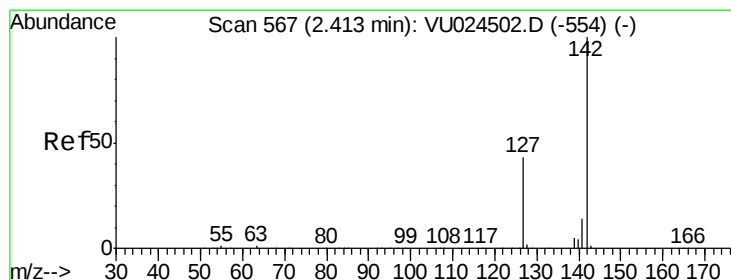
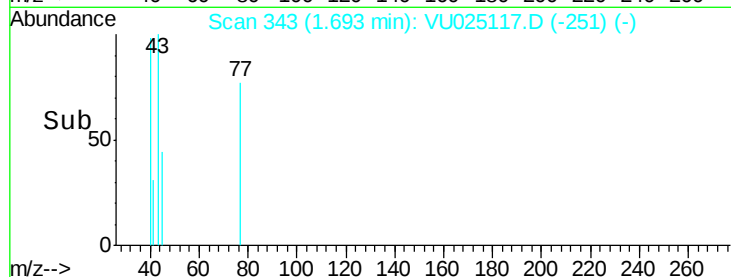
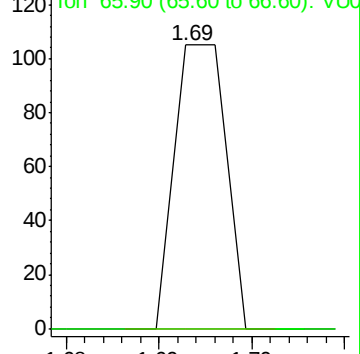
Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)



#10

Methyl Iodide

Concen: 5.341 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025117.D

Acq: 01 Jul 2018 04:07

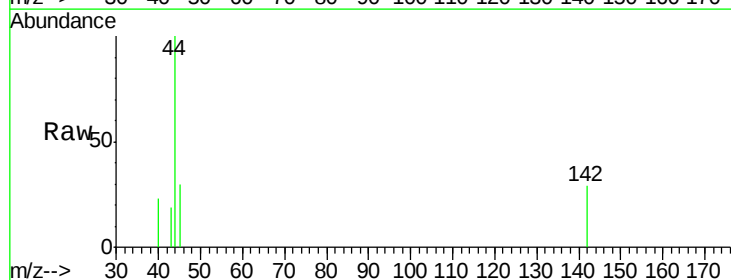
Tgt Ion: 142 Resp: 128

Ion Ratio Lower Upper

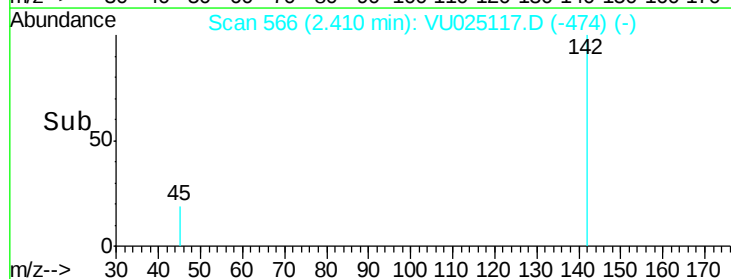
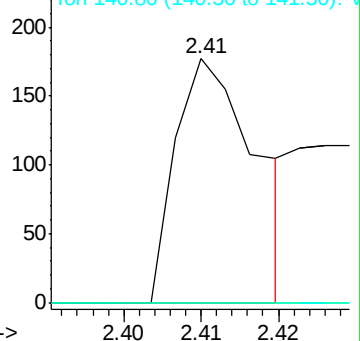
142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): VU024502.D (-554) (-)

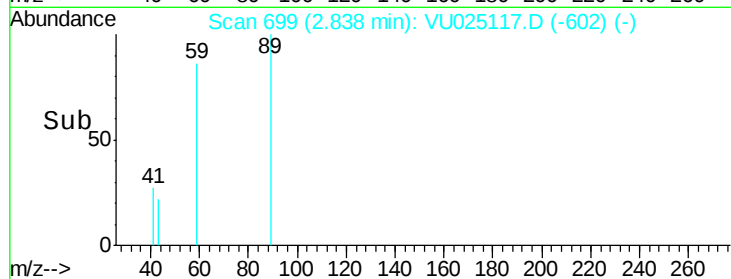
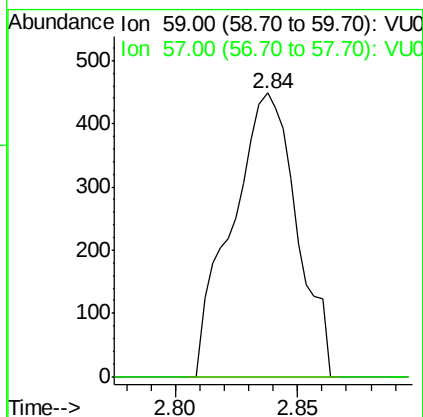
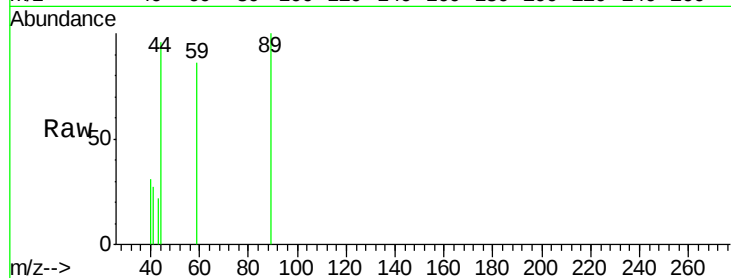




#11
Tert butyl alcohol
Concen: 1.007 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU025117.D
Acq: 01 Jul 2018 04:07

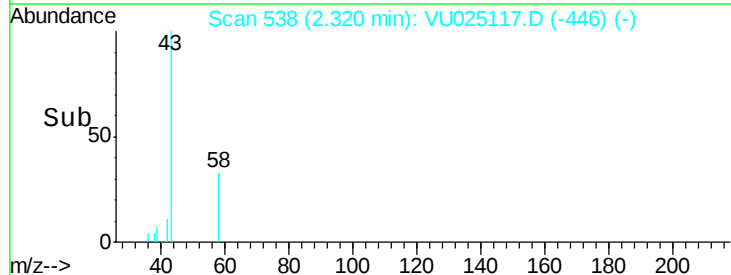
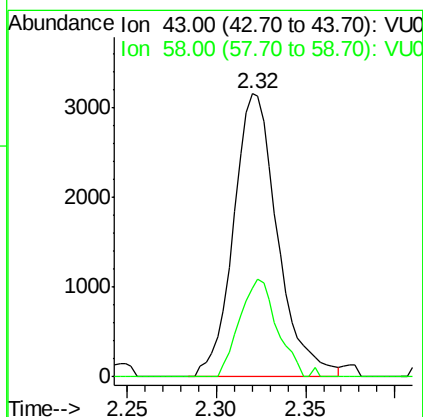
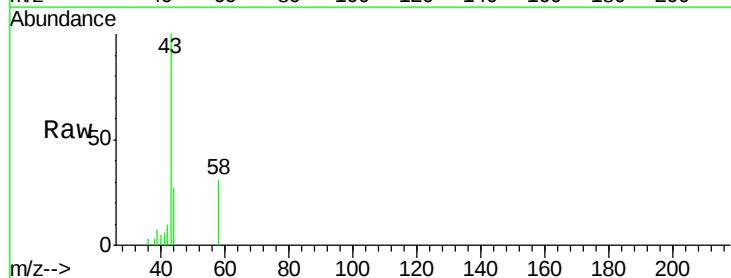
Instrument :
MSVOA_U
ClientSampleId :
MW-01

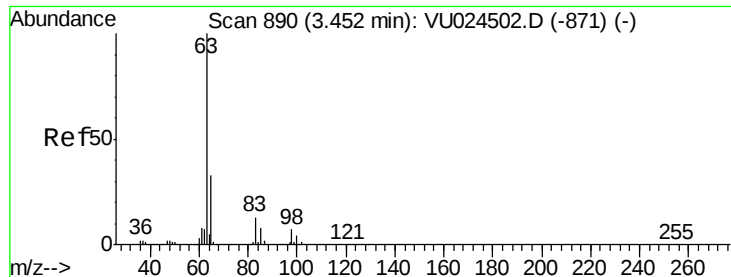
Tgt Ion: 59 Resp: 824
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 3.016 ug/l
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU025117.D
Acq: 01 Jul 2018 04:07

Tgt Ion: 43 Resp: 5450
Ion Ratio Lower Upper
43 100
58 31.3 24.4 36.6





#24

1,1-Dichloroethane

Concen: 0.320 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU025117.D

Acq: 01 Jul 2018 04:07

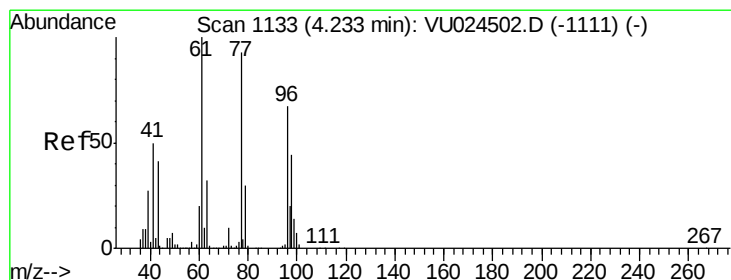
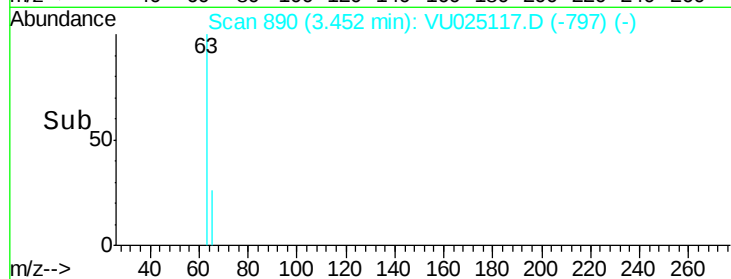
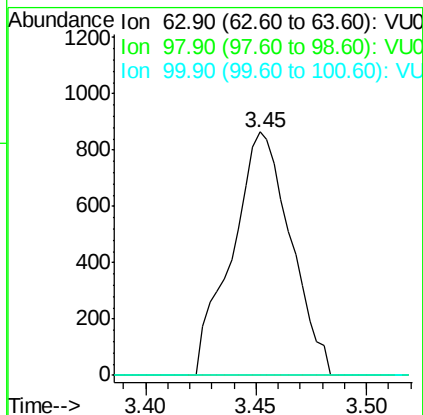
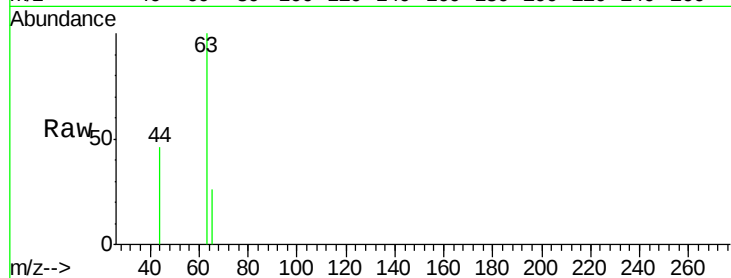
Instrument :

MSVOA_U

ClientSampled :

MW-01

Tgt Ion:	63	Resp:	1591
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.4#
100	0.0	1.8	5.5#



#27

cis-1,2-Dichloroethene

Concen: 0.483 ug/l

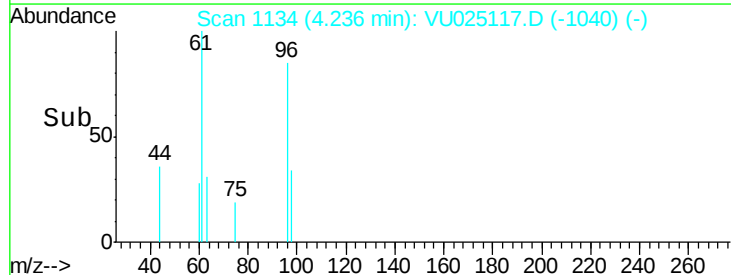
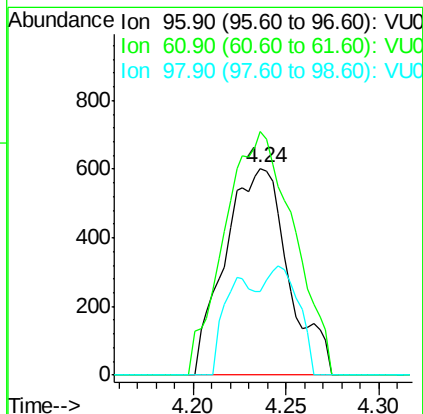
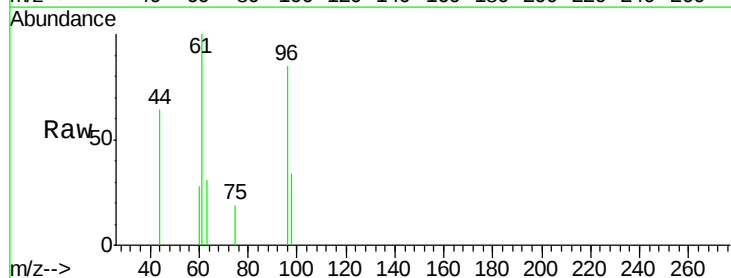
RT: 4.24 min Scan# 1134

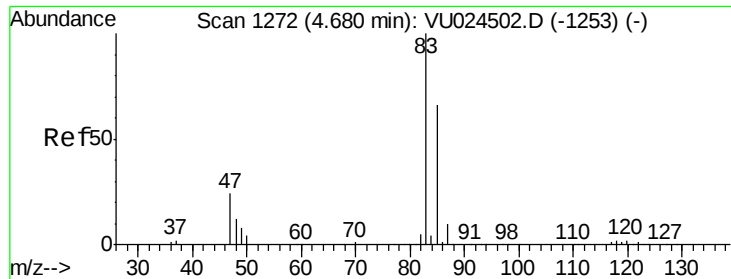
Delta R.T. 0.00 min

Lab File: VU025117.D

Acq: 01 Jul 2018 04:07

Tgt Ion:	96	Resp:	1434
Ion	Ratio	Lower	Upper
96	100		
61	128.4	0.0	306.6
98	27.1	0.0	128.8

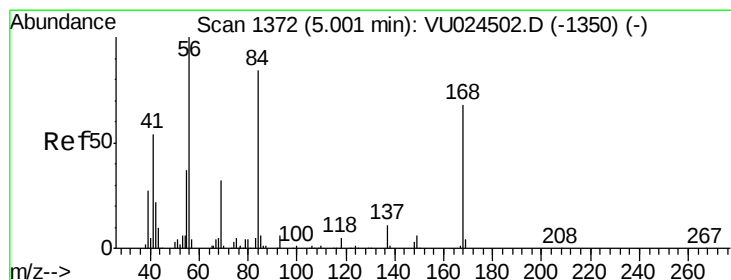
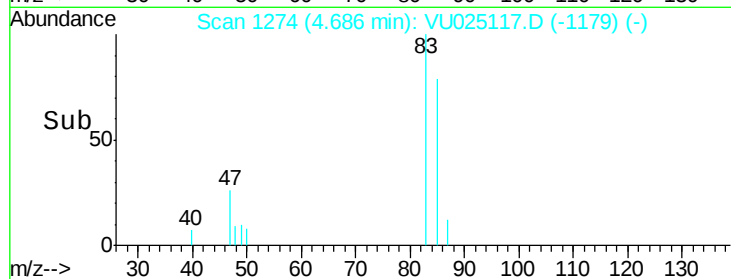
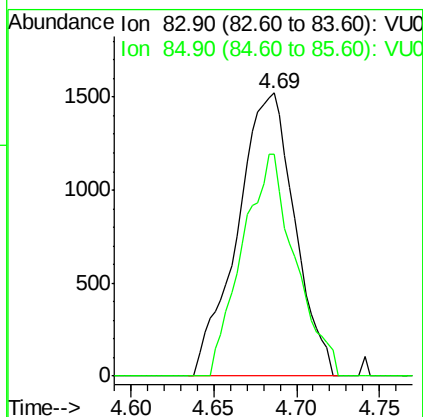
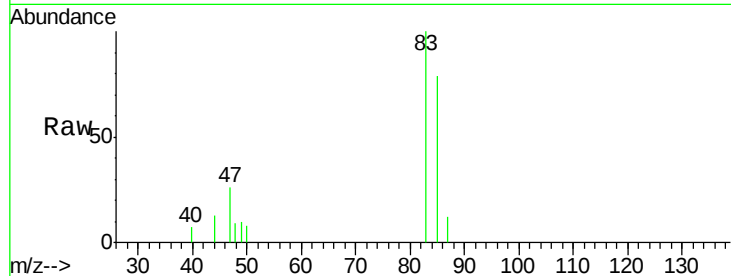




#30
Chloroform
Concen: 0.731 ug/l
RT: 4.69 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VU025117.D
Acq: 01 Jul 2018 04:07

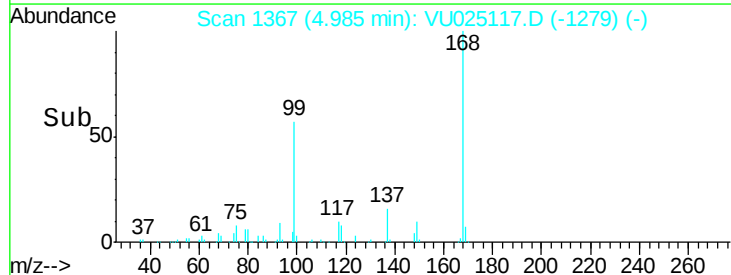
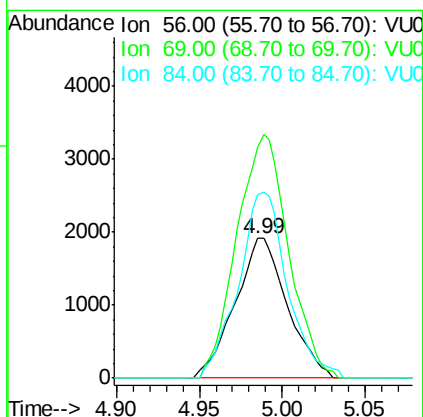
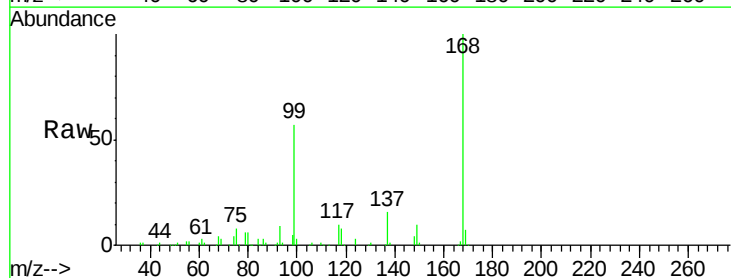
Instrument :
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ClientSampleId :
MW-01

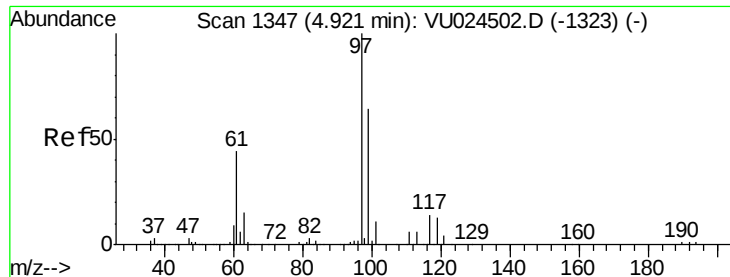
Tgt Ion: 83 Resp: 3674
Ion Ratio Lower Upper
83 100
85 78.5 52.4 78.6



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025117.D
Acq: 01 Jul 2018 04:07

Tgt Ion: 56 Resp: 4203
Ion Ratio Lower Upper
56 100
69 164.7 24.8 37.2#
84 136.6 65.2 97.8#

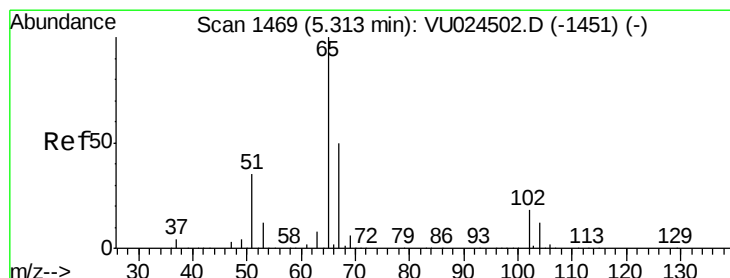
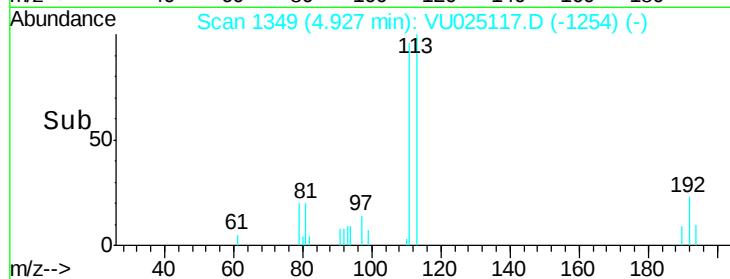
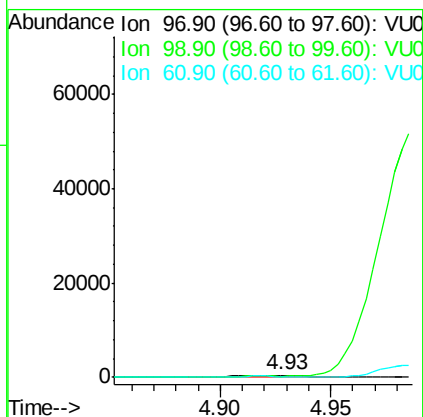
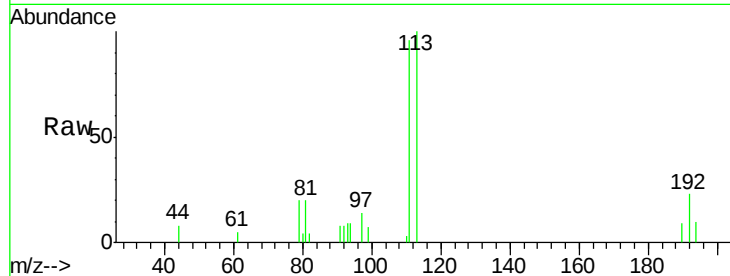




#32
 1,1,1-Trichloroethane
 Concen: 0.213 ug/l
 RT: 4.93 min Scan# 1349
 Delta R.T. 0.01 min
 Lab File: VU025117.D
 Acq: 01 Jul 2018 04:07

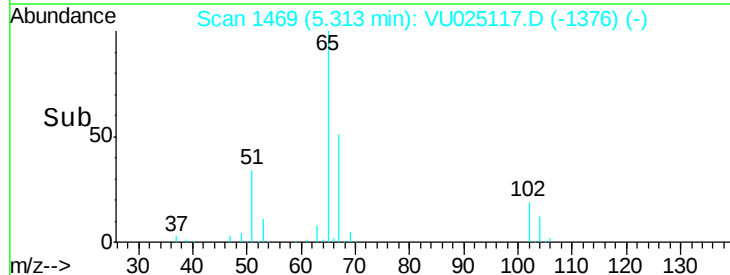
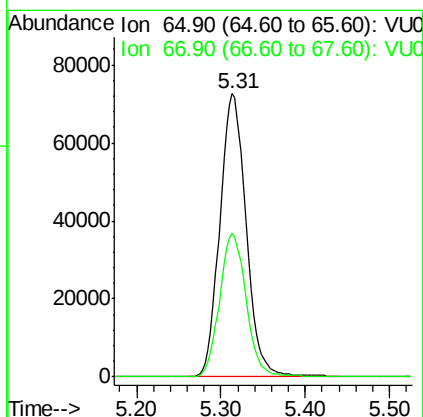
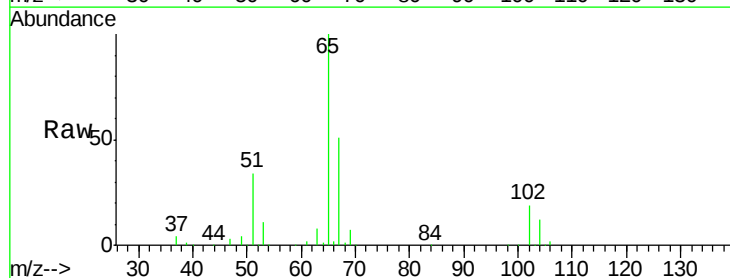
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-01

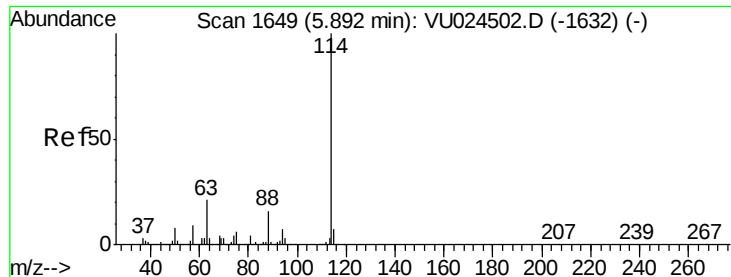
Tgt Ion: 97 Resp: 989
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.0 76.6#
 61 41.1 39.4 59.0



#33
 1,2-Dichloroethane-d4
 Concen: 46.815 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025117.D
 Acq: 01 Jul 2018 04:07

Tgt Ion: 65 Resp: 157471
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 107.0

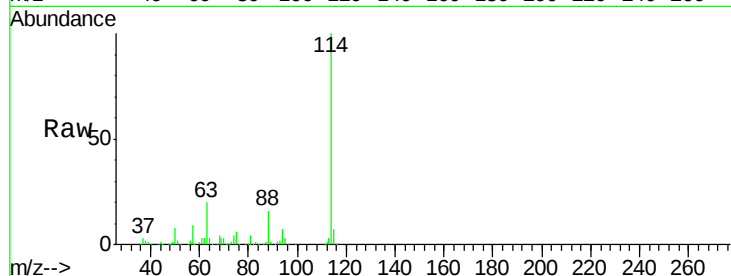




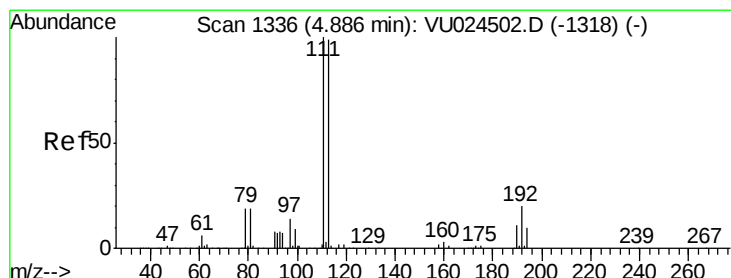
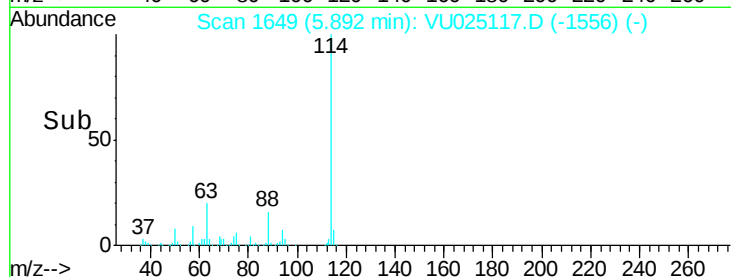
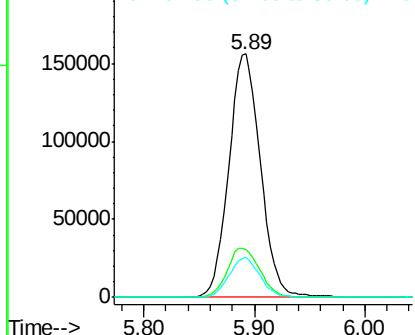
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU025117.D
Acq: 01 Jul 2018 04:07

Instrument :
MSVOA_U
ClientSampleId :
MW-01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	45.4
88	16.3	0.0	31.0

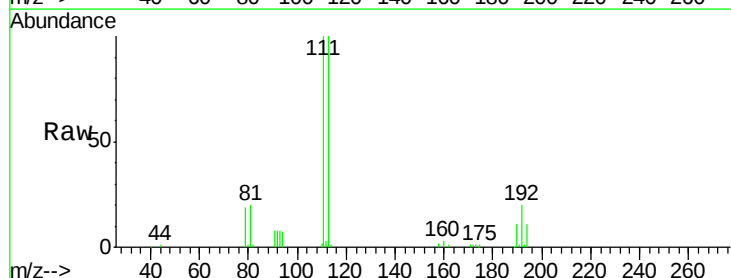


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

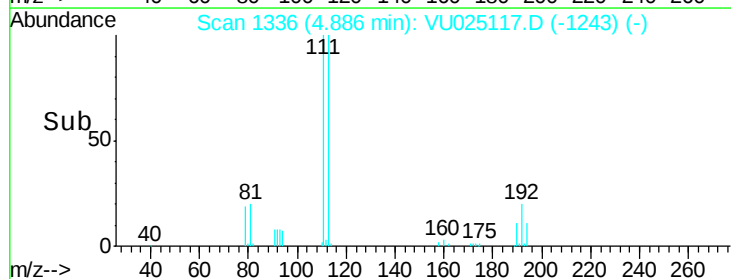
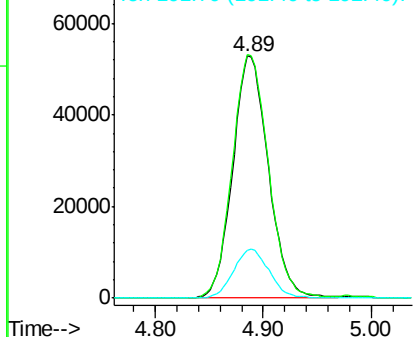


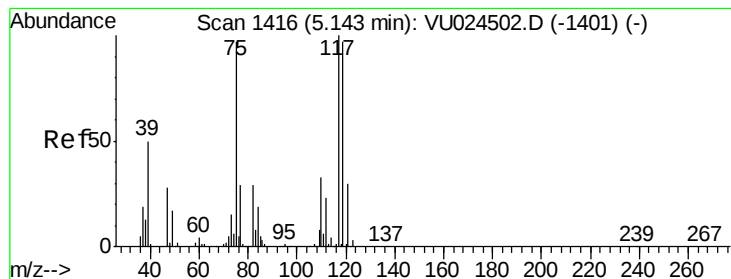
#35
Dibromofluoromethane
Concen: 47.220 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU025117.D
Acq: 01 Jul 2018 04:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	20.3	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





#36

1,1-Dichloropropene

Concen: 4.400 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025117.D

Acq: 01 Jul 2018 04:07

Instrument :

MSVOA_U

ClientSampleId :

MW-01

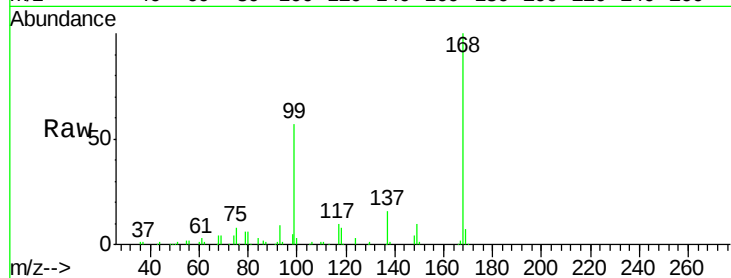
Tgt Ion: 75 Resp: 16047

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

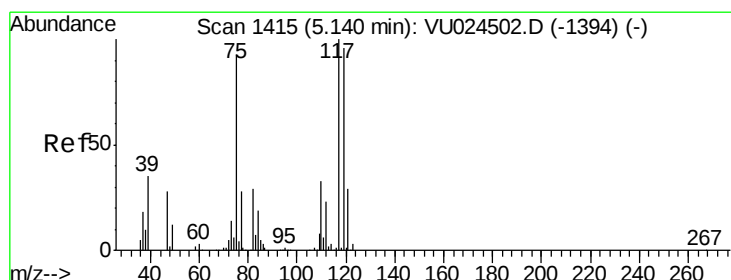
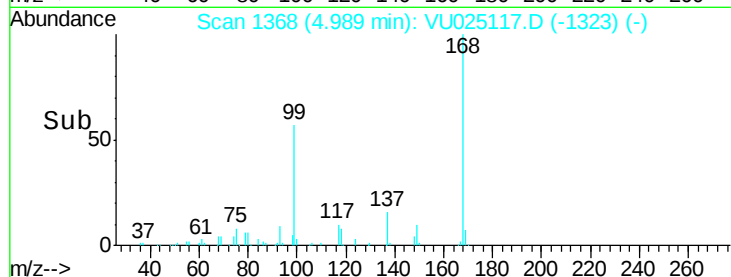
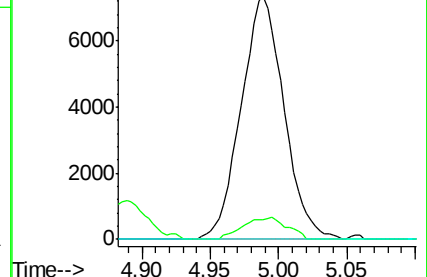
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU025117.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU025117.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU025117.D (-1323) (-)



#38

Carbon Tetrachloride

Concen: 5.152 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025117.D

Acq: 01 Jul 2018 04:07

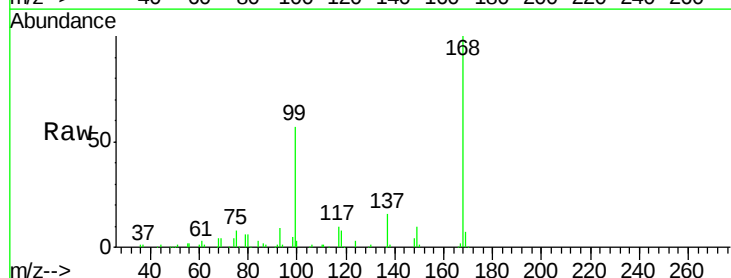
Tgt Ion: 117 Resp: 20664

Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

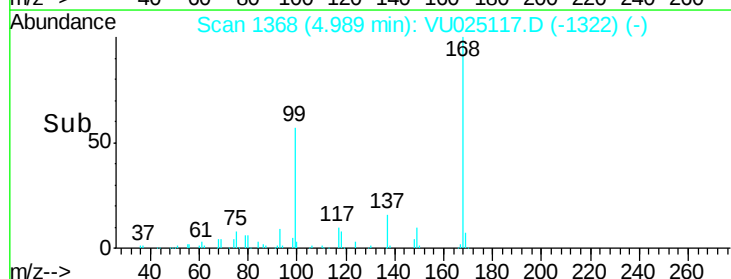
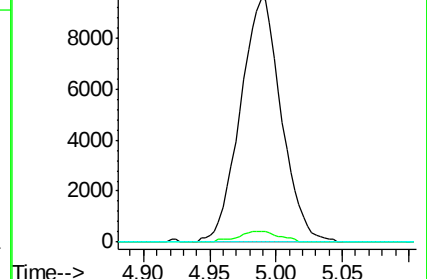
121 0.0 23.7 35.5#

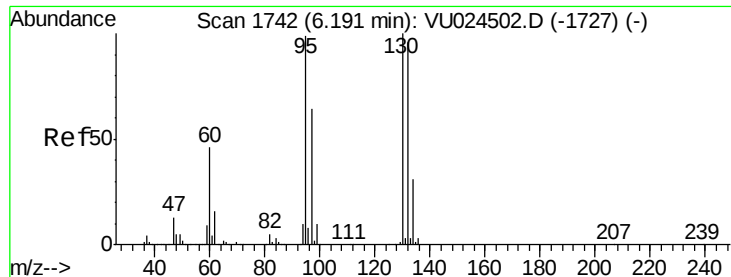


Abundance Ion 116.80 (116.50 to 117.50): VU025117.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU025117.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU025117.D (-1322) (-)





#44

Trichloroethene

Concen: 0.579 ug/l

RT: 6.20 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VU025117.D

Acq: 01 Jul 2018 04:07

Instrument :

MSVOA_U

ClientSampled :

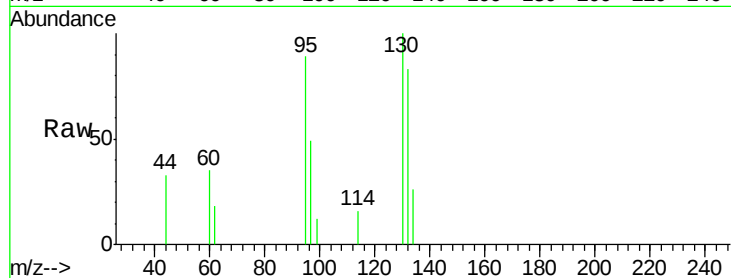
MW-01

Tgt Ion:130 Resp: 1712

Ion Ratio Lower Upper

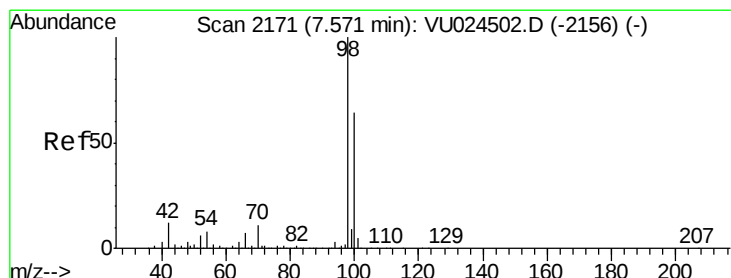
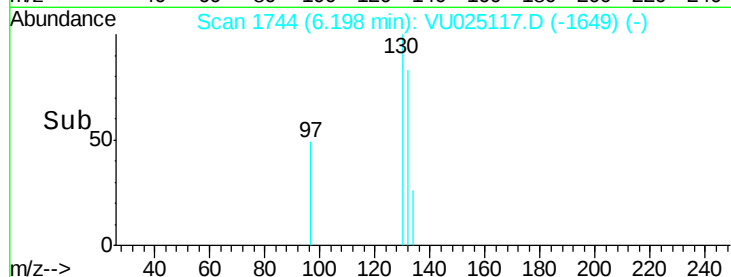
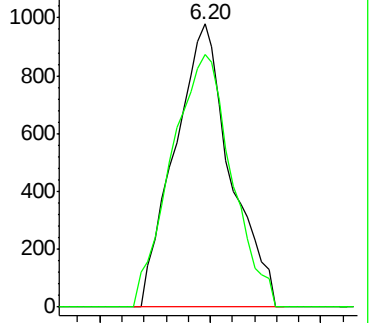
130 100

95 89.3 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: 47.762 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025117.D

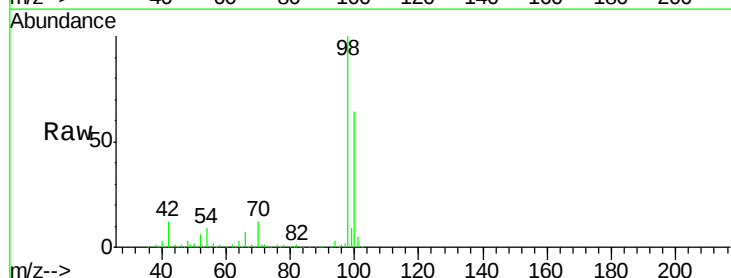
Acq: 01 Jul 2018 04:07

Tgt Ion: 98 Resp: 448793

Ion Ratio Lower Upper

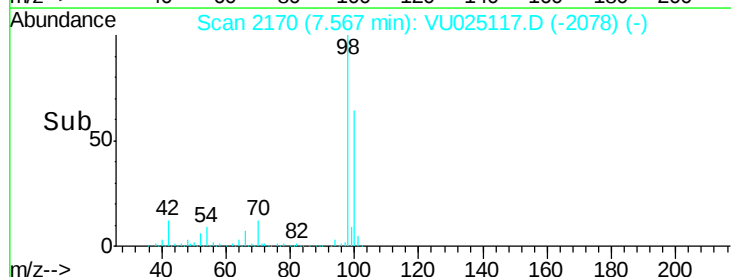
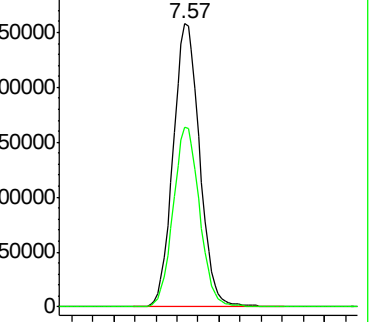
98 100

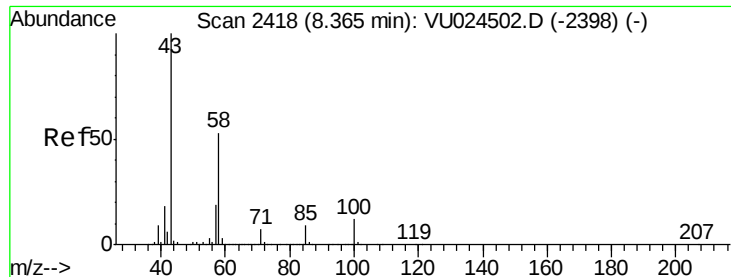
100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

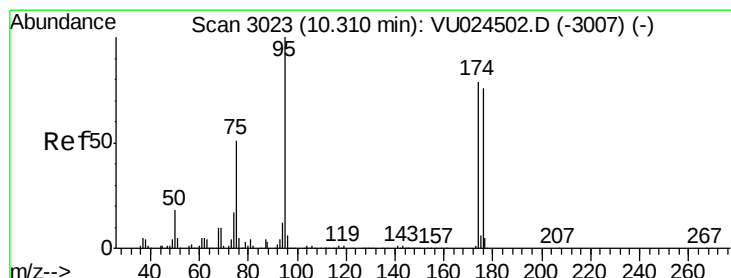
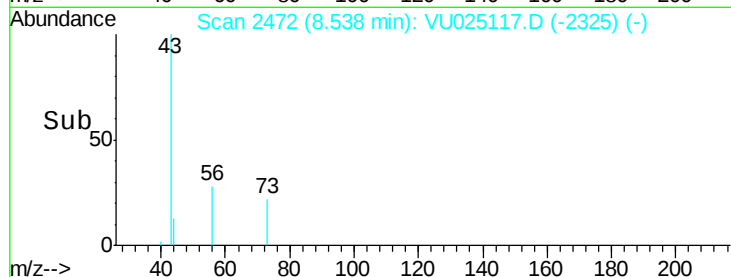
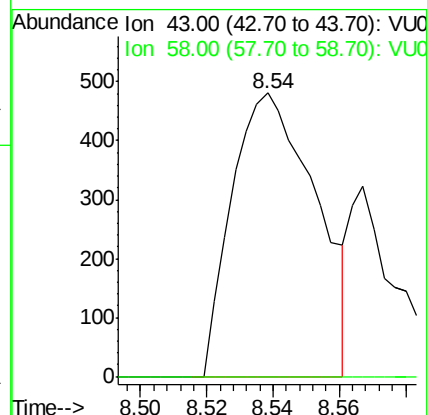
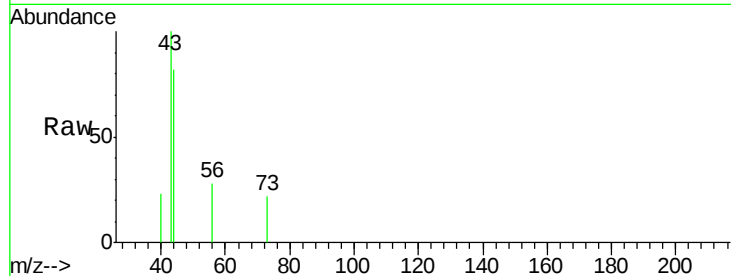




#59
2-Hexanone
Concen: 0.240 ug/l
RT: 8.54 min Scan# 2472
Delta R.T. 0.17 min
Lab File: VU025117.D
Acq: 01 Jul 2018 04:07

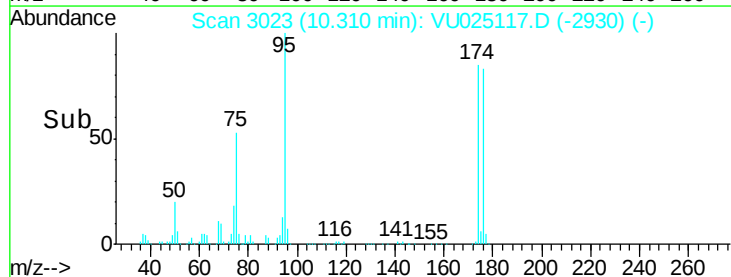
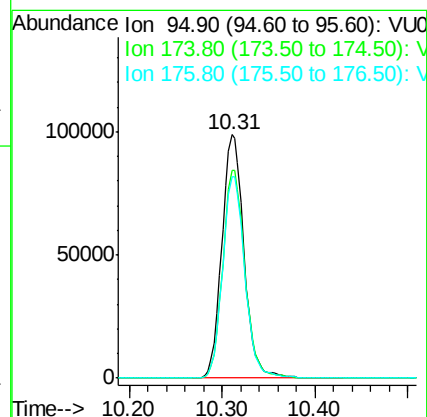
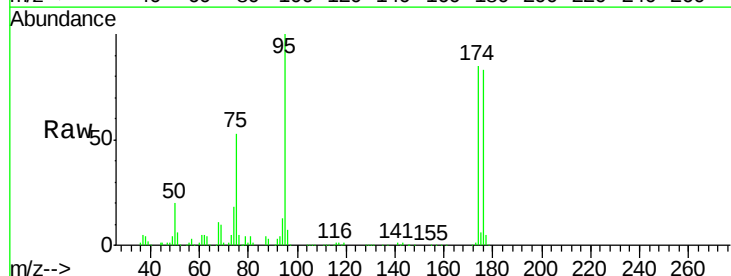
Instrument :
MSVOA_U
ClientSampleId :
MW-01

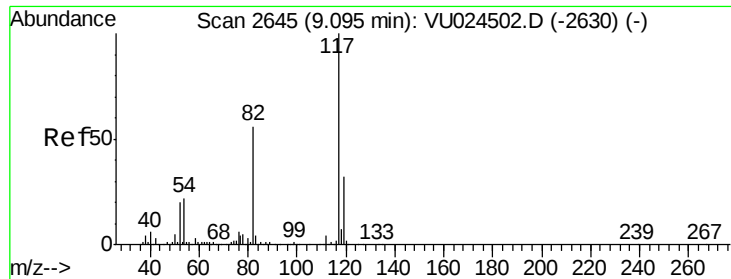
Tgt Ion: 43 Resp: 845
Ion Ratio Lower Upper
43 100
58 0.0 26.4 79.0#



#62
4-Bromofluorobenzene
Concen: 43.806 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025117.D
Acq: 01 Jul 2018 04:07

Tgt Ion: 95 Resp: 163430
Ion Ratio Lower Upper
95 100
174 85.3 0.0 165.8
176 83.1 0.0 159.4

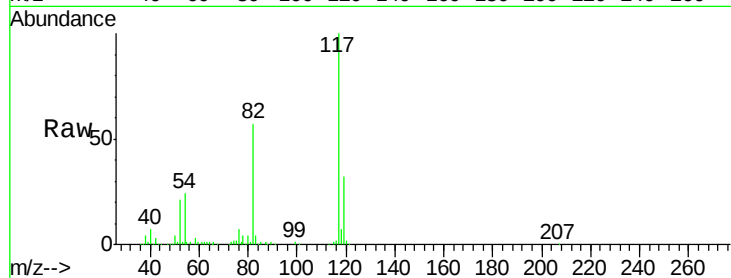




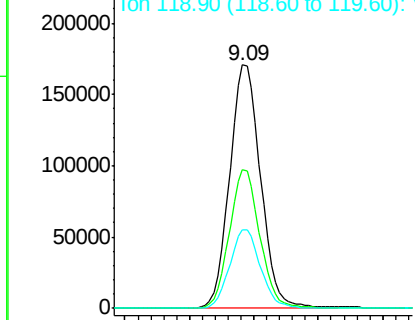
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025117.D
Acq: 01 Jul 2018 04:07

Instrument :
MSVOA_U
ClientSampleId :
MW-01

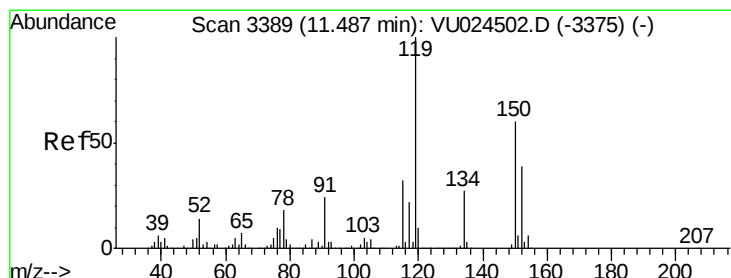
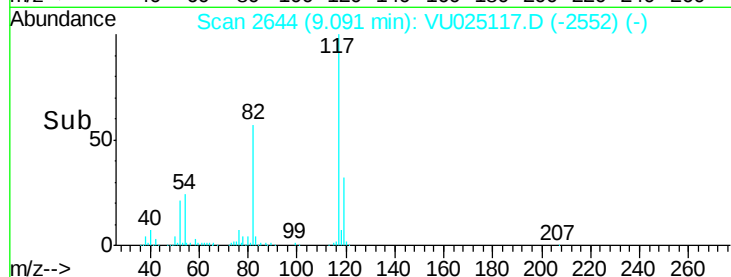
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.3	66.5
119	32.5	25.4	38.2



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

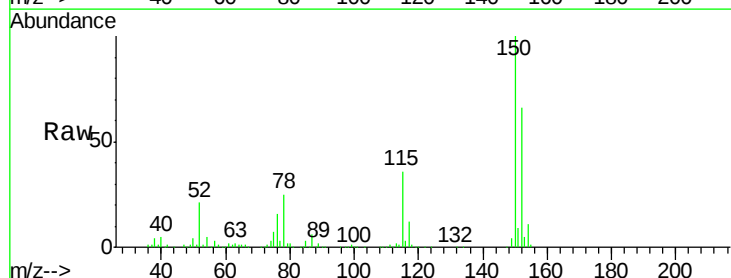


Time--> 9.00 9.05 9.10 9.15 9.20

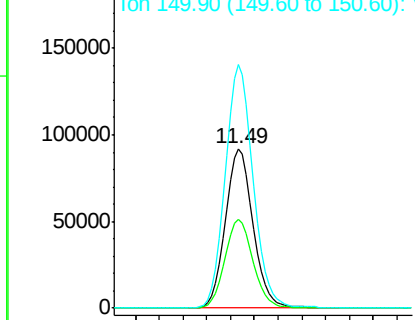


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025117.D
Acq: 01 Jul 2018 04:07

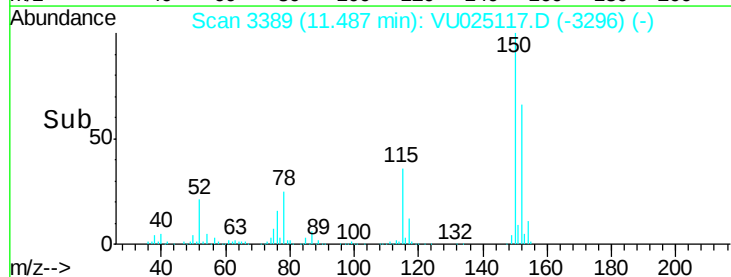
Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	43.0	129.0
150	154.2	0.0	354.0

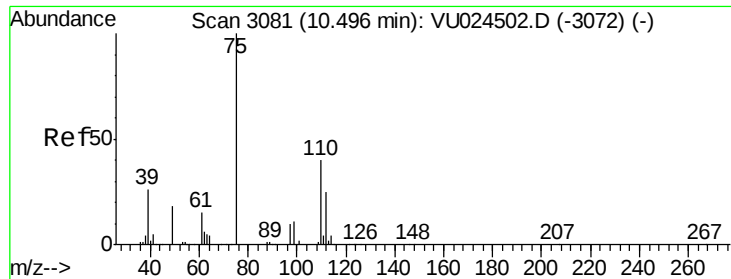


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time--> 11.40 11.50 11.60





#76

1,2,3-Trichloropropane

Concen: 26.147 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025117.D

Acq: 01 Jul 2018 04:07

Instrument :

MSVOA_U

ClientSampled :

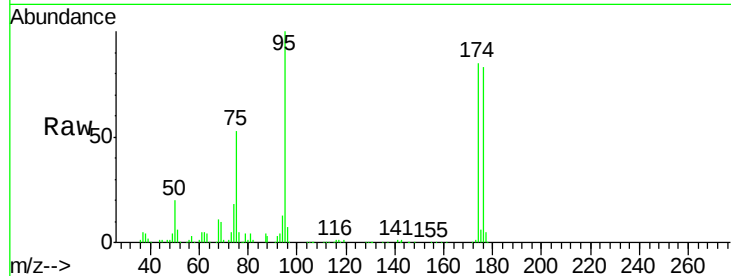
MW-01

Tgt Ion: 75 Resp: 85202

Ion Ratio Lower Upper

75 100

77 0.8 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.31

60000

50000

40000

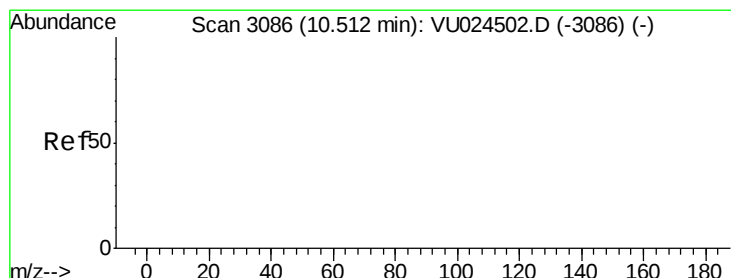
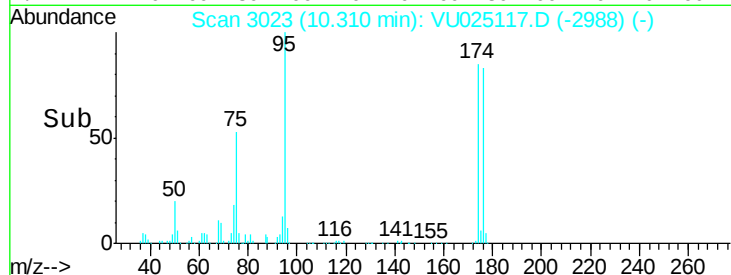
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 60.515 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025117.D

Acq: 01 Jul 2018 04:07

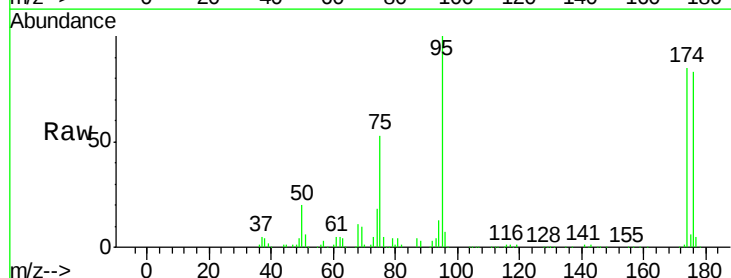
Tgt Ion: 75 Resp: 85202

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

10.31

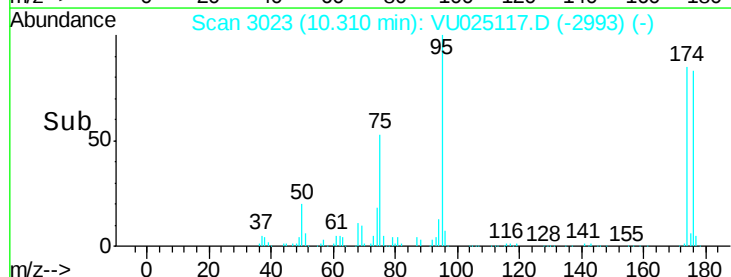
60000

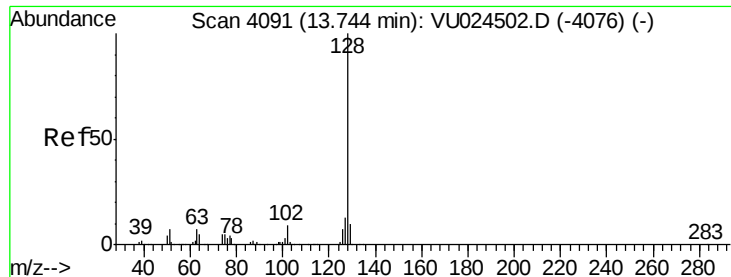
40000

20000

0

Time-->





#95

Naphthalene

Concen: 0.683 ug/l

RT: 13.79 min Scan# 4105

Delta R.T. 0.05 min

Lab File: VU025117.D

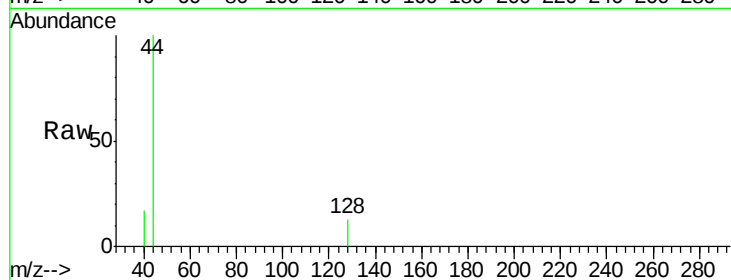
Acq: 01 Jul 2018 04:07

Instrument :

MSVOA_U

ClientSampleId :

MW-01



Tgt Ion:	128	Resp:	41
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

