

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024822.D
 Acq On : 21 Jun 2018 19:44
 Operator : MD/SY
 Sample : J3552-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MWHR2-9-061418

Quant Time: Jun 22 03:53:31 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

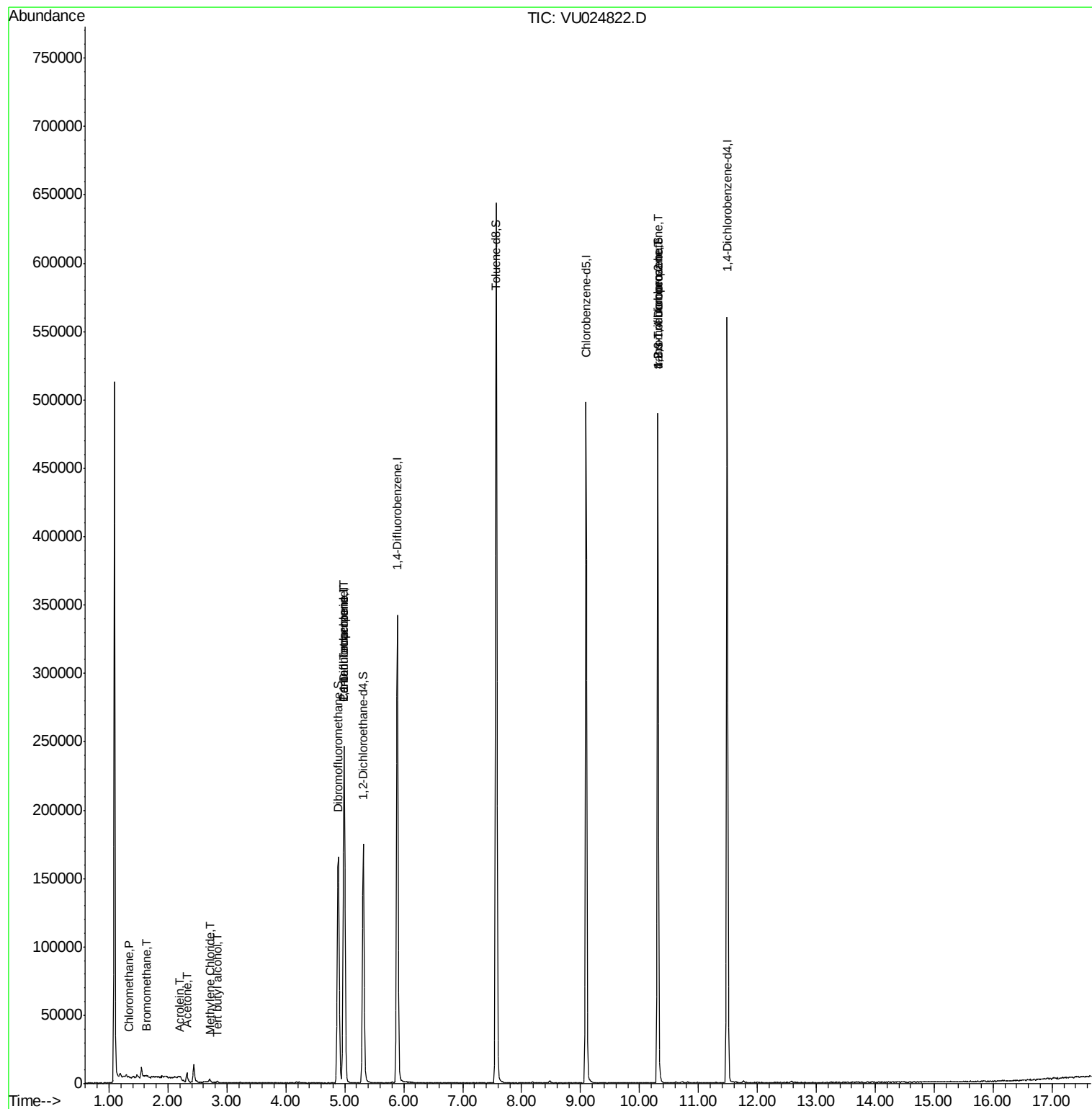
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	190243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	290068	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	275324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	145796	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	134903	43.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.88%	
35) Dibromofluoromethane	4.89	113	112890	46.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.78%	
50) Toluene-d8	7.57	98	426907	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	10.31	95	155388	44.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.14%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	777	0.319	ug/l #	87
5) Bromomethane	1.64	94	387	0.319	ug/l	87
6) Chloroethane	1.69	64	40	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	351	0.465	ug/l #	72
13) Acrolein	2.19	56	101	0.255	ug/l #	1
16) Acetone	2.32	43	6808	4.080	ug/l	97
20) Methylene Chloride	2.71	84	1234	0.471	ug/l #	73
31) Cyclohexane	4.99	56	3729	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13405	3.933	ug/l #	51
38) Carbon Tetrachloride	4.99	117	18072	4.821	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	80632	25.120	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	80632	58.138	ug/l #	100

(#) = 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: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

Instrument :

MSVOA_U

ClientSampleId :

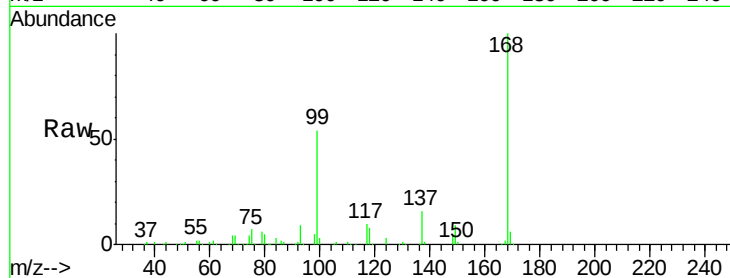
MWHR2-9-061418

Tot Ion:168 Resp: 190243

Ion Ratio Lower Upper

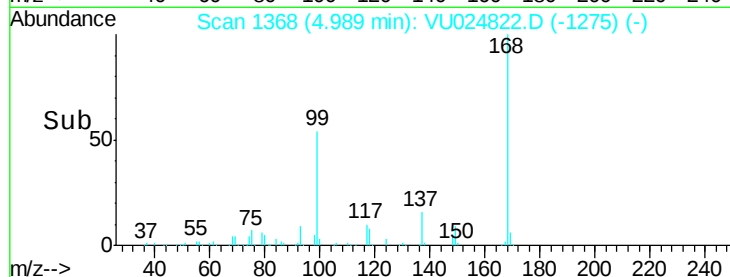
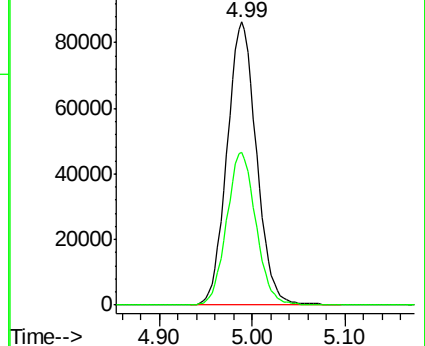
168 100

99 54.0 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: 0.319 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024822.D

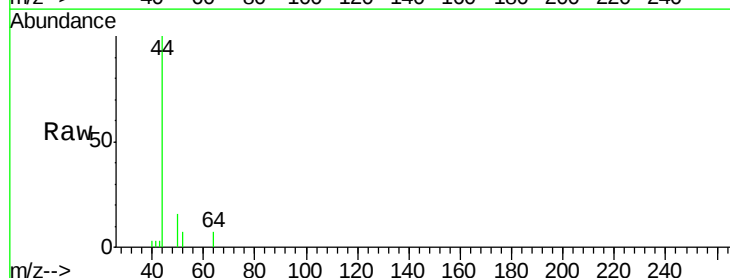
Acq: 21 Jun 2018 19:44

Tgt Ion: 50 Resp: 777

Ion Ratio Lower Upper

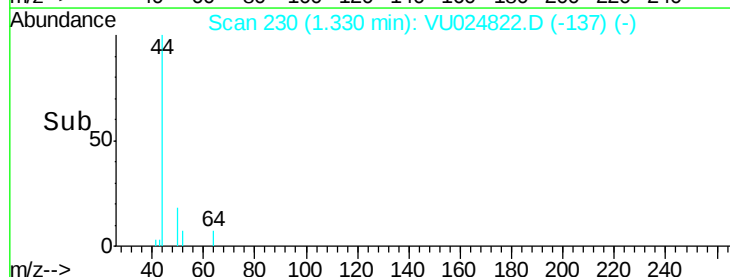
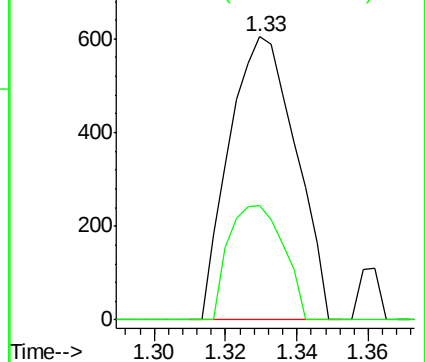
50 100

52 40.4 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: 0.319 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

Instrument :

MSVOA_U

ClientSampleId :

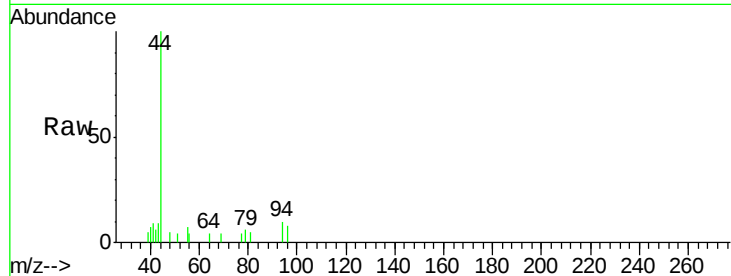
MWHR2-9-061418

Tot Ion: 94 Resp: 387

Ion Ratio Lower Upper

94 100

96 80.5 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

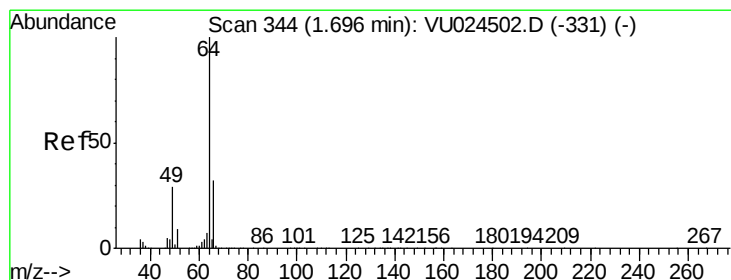
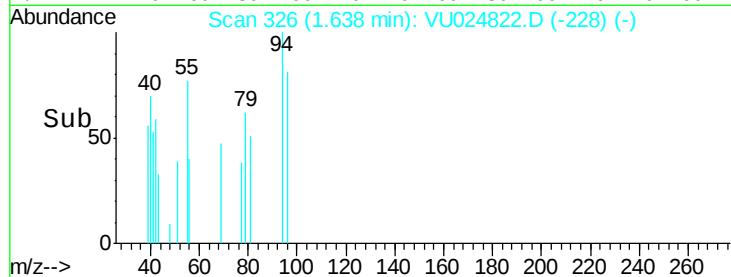
150

100

50

0

Time--> 1.60 1.62 1.64 1.66



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU024822.D

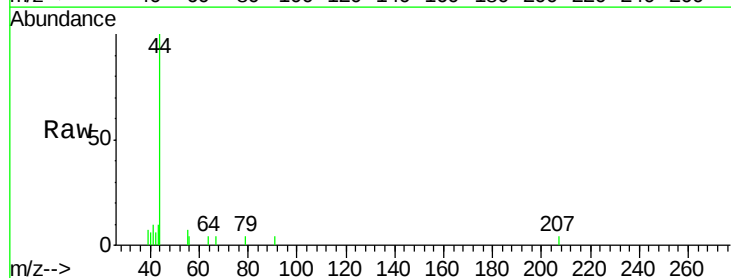
Acq: 21 Jun 2018 19:44

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): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

120

100

80

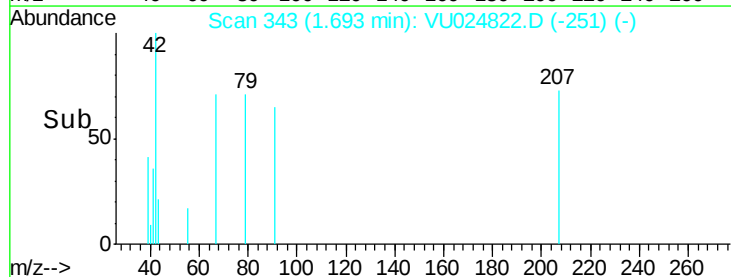
60

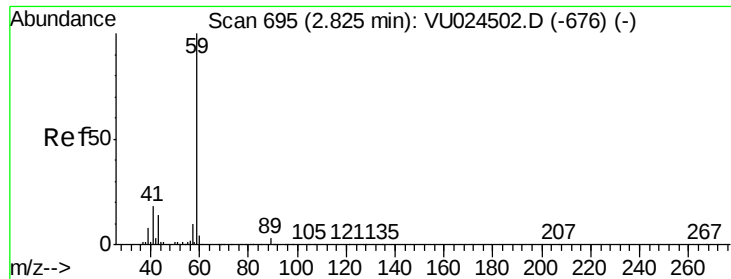
40

20

0

Time--> 1.69 1.69 1.70

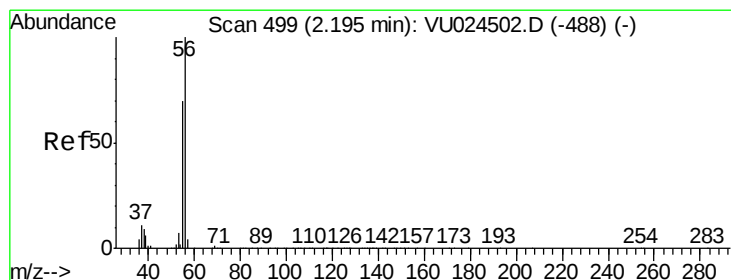
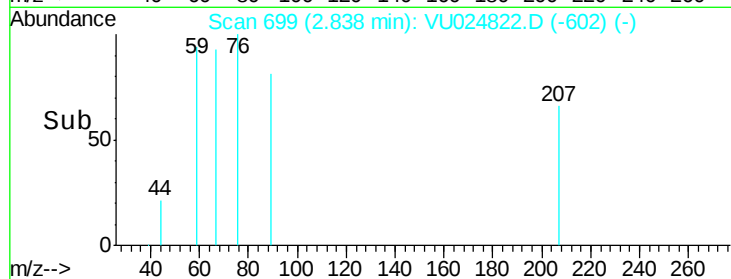
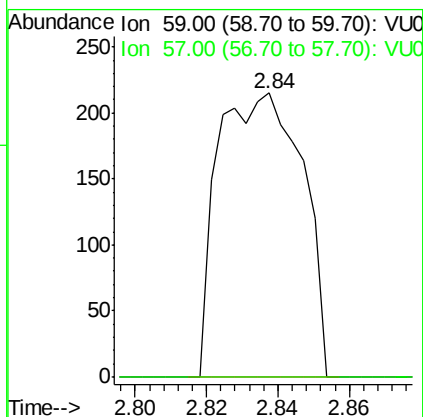
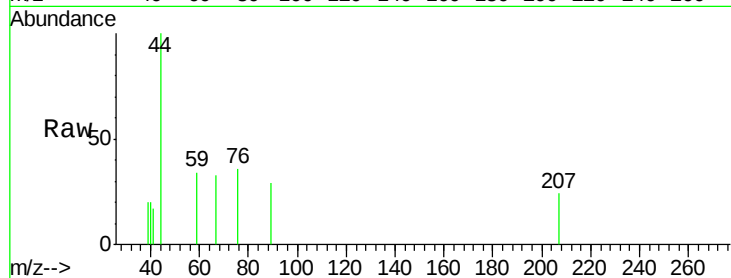




#11
Tert butyl alcohol
Concen: 0.465 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU024822.D
Acq: 21 Jun 2018 19:44

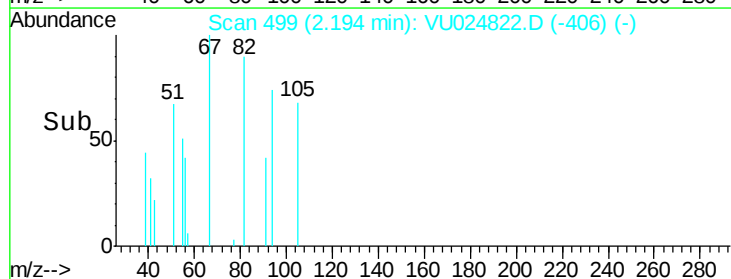
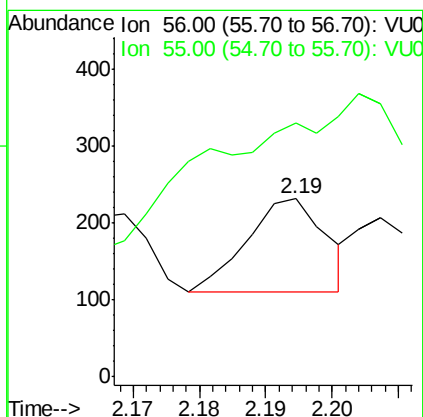
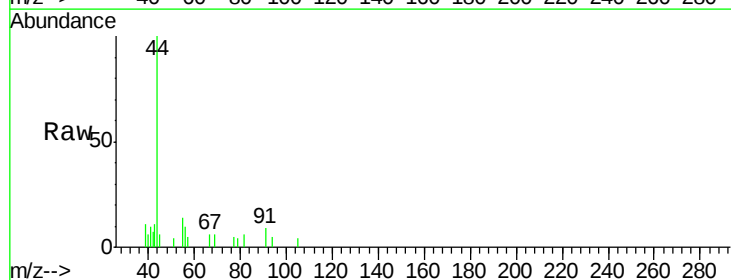
Instrument :
MSVOA_U
ClientSampleId :
MWHR2-9-061418

Tot Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.255 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU024822.D
Acq: 21 Jun 2018 19:44

Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 391.1 58.4 87.6#





#16

Acetone

Concen: 4.080 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

Instrument :

MSVOA_U

ClientSampleId :

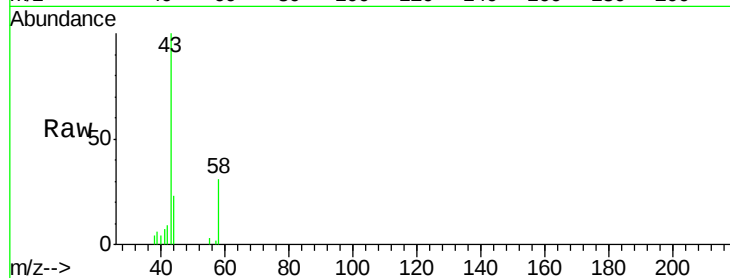
MWHR2-9-061418

Tot Ion: 43 Resp: 6808

Ion Ratio Lower Upper

43 100

58 32.3 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

4000

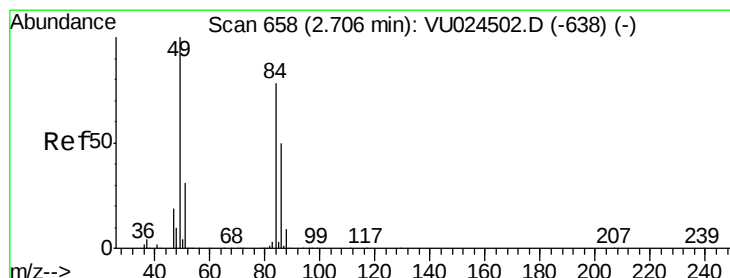
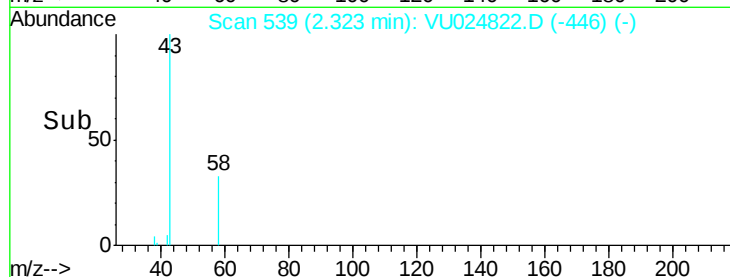
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#20

Methylene Chloride

Concen: 0.471 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.00 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

Tgt Ion: 84 Resp: 1234

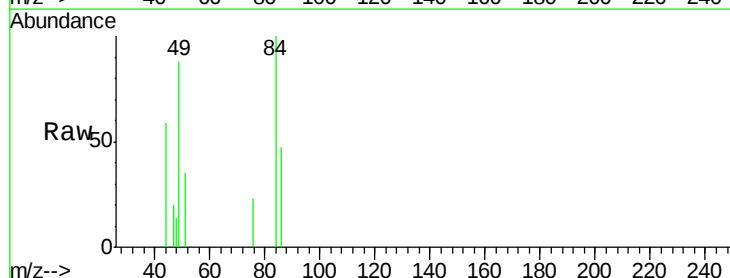
Ion Ratio Lower Upper

84 100

49 87.9 103.8 155.8#

51 34.7 32.0 48.0

86 47.5 51.6 77.4#



Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

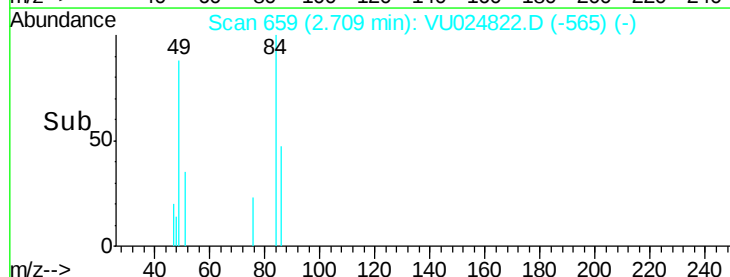
2.71

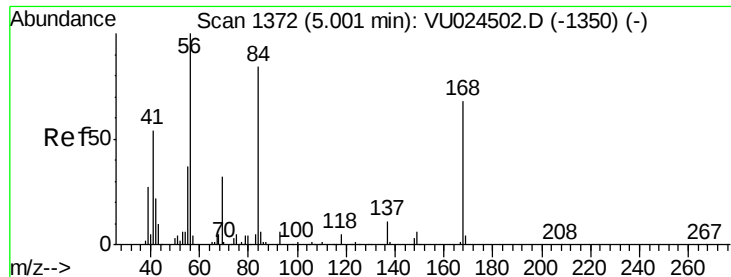
1000

500

0

Time--> 2.66 2.68 2.70 2.72 2.74

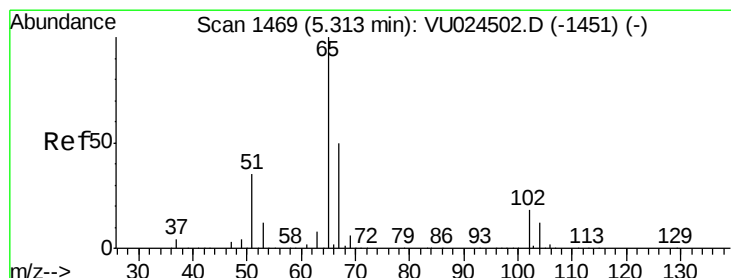
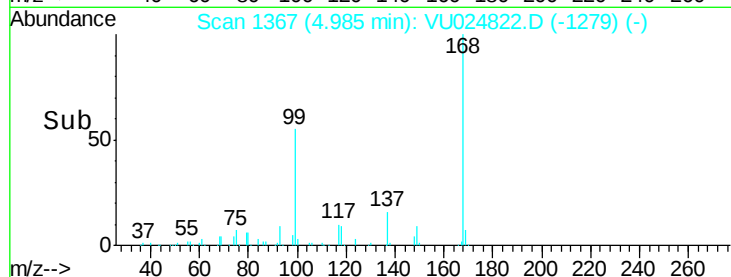
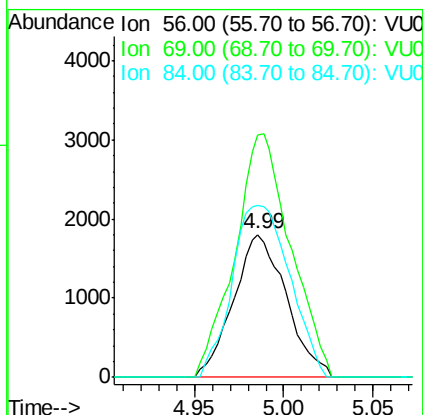
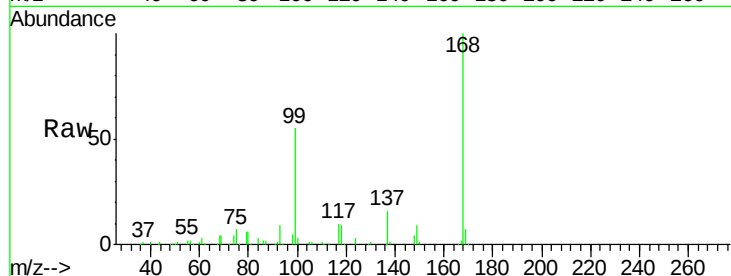




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024822.D
Acq: 21 Jun 2018 19:44

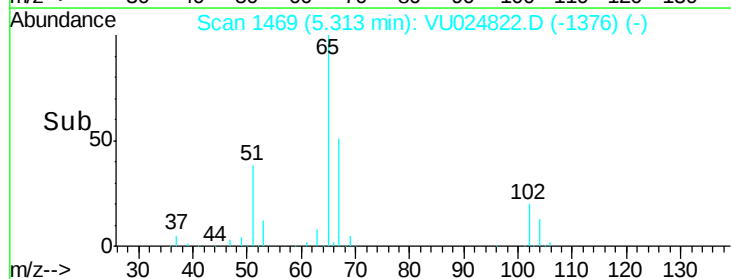
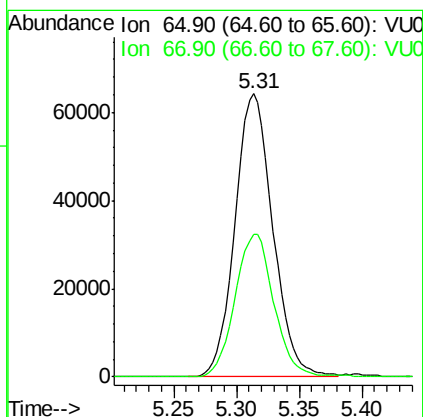
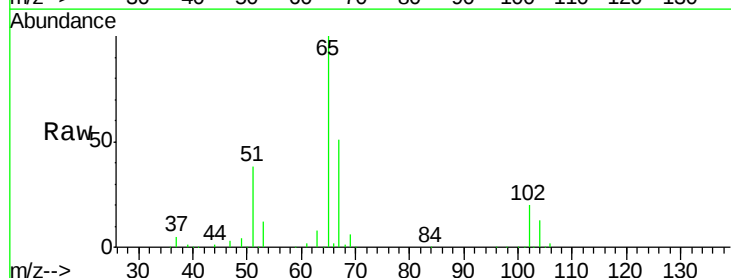
Instrument :
MSVOA_U
ClientSampleId :
MWHR2-9-061418

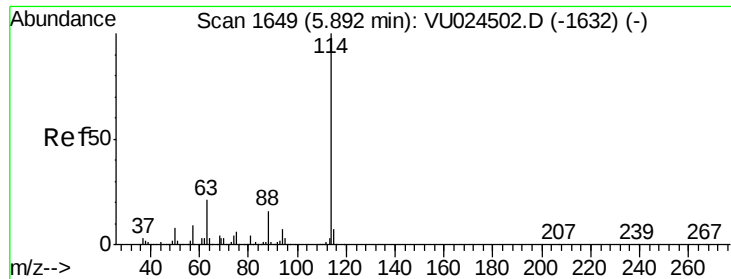
Tot Ion: 56 Resp: 3729
Ion Ratio Lower Upper
56 100
69 169.4 24.8 37.2#
84 120.3 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 43.436 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024822.D
Acq: 21 Jun 2018 19:44

Tgt Ion: 65 Resp: 134903
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.0

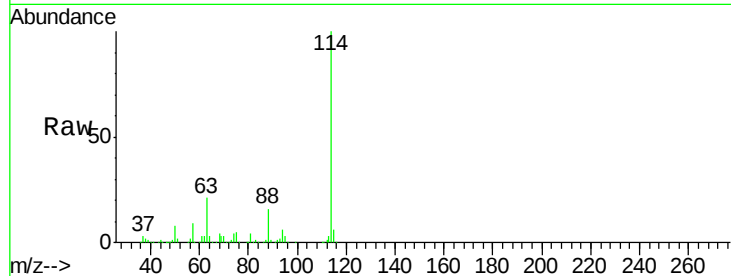




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024822.D
 Acq: 21 Jun 2018 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MWHR2-9-061418

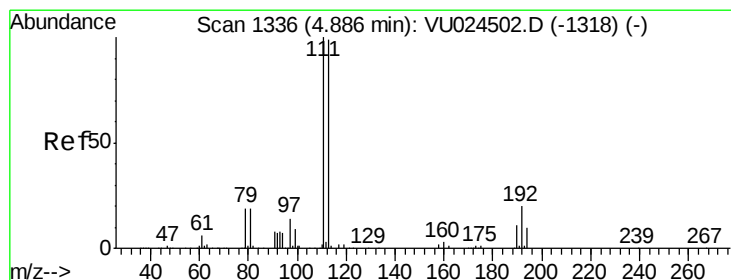
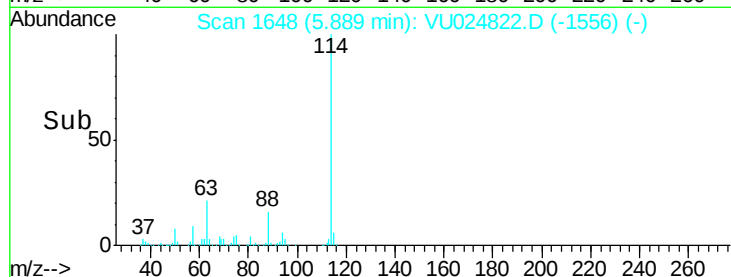
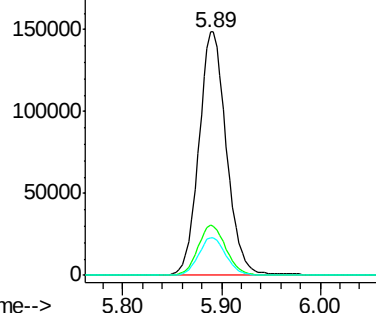
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	45.4
88	15.6	0.0	31.0



Abundance Ion 113.90 (113.60 to 114.60): V

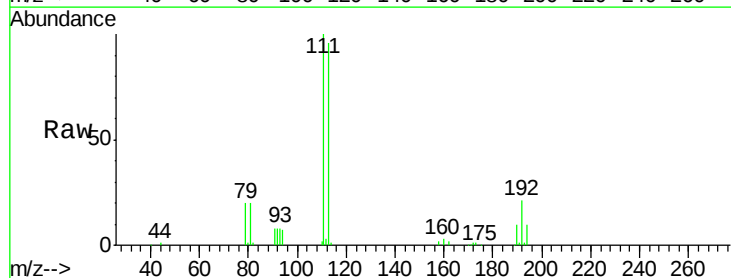
Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35
 Dibromofluoromethane
 Concen: 46.894 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024822.D
 Acq: 21 Jun 2018 19:44

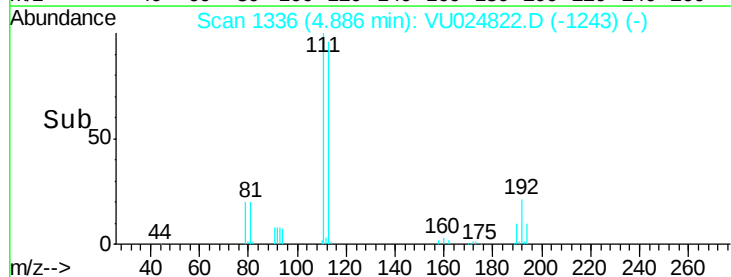
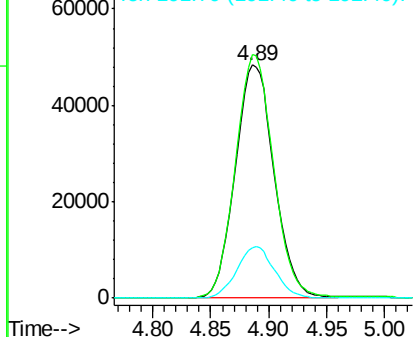
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	21.3	16.2	24.4

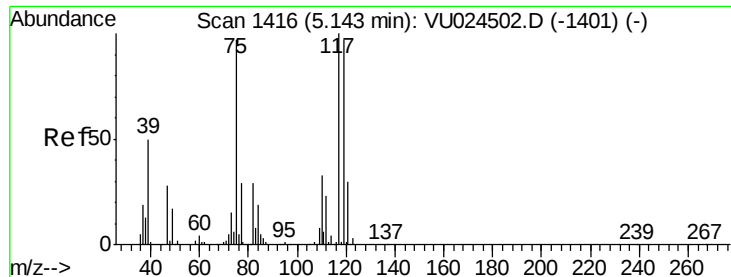


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.933 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.15 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

Instrument :

MSVOA_U

ClientSampleId :

MWHR2-9-061418

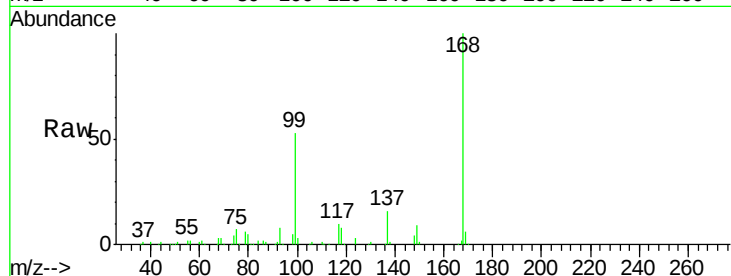
Tot Ion: 75 Resp: 13405

Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

77 0.0 24.2 36.4#

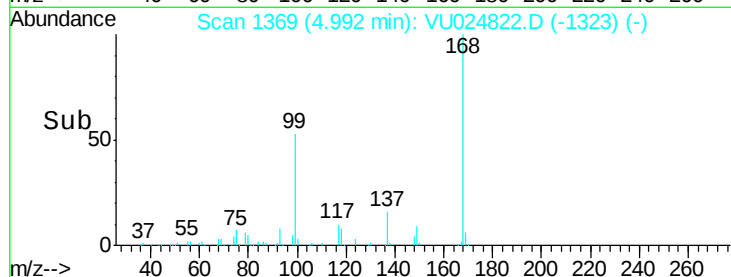


Abundance Ion 74.90 (74.60 to 75.60): VU024822.D (-1369) (-)

Ion 109.90 (109.60 to 110.60): VU024822.D (-1369) (-)

Ion 76.90 (76.60 to 77.60): VU024822.D (-1369) (-)

Time-->

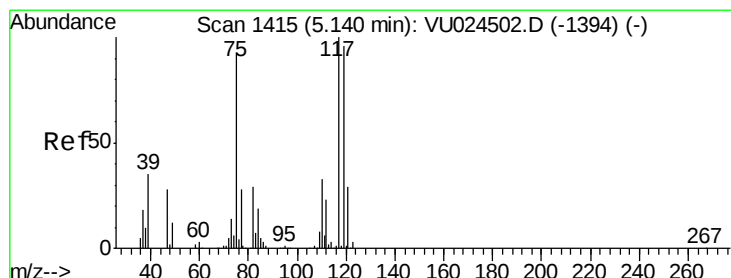


Abundance Ion 74.90 (74.60 to 75.60): VU024822.D (-1369) (-)

Ion 109.90 (109.60 to 110.60): VU024822.D (-1369) (-)

Ion 76.90 (76.60 to 77.60): VU024822.D (-1369) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.821 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

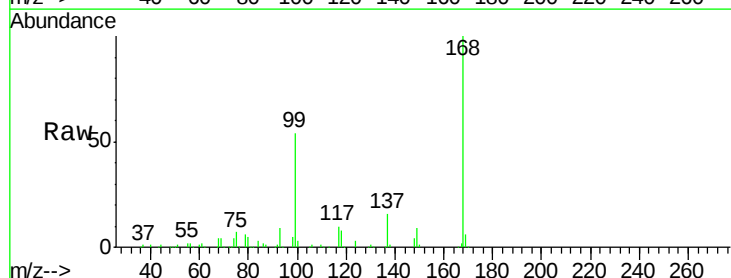
Tgt Ion: 117 Resp: 18072

Ion Ratio Lower Upper

117 100

119 4.1 76.1 114.1#

121 0.0 23.7 35.5#

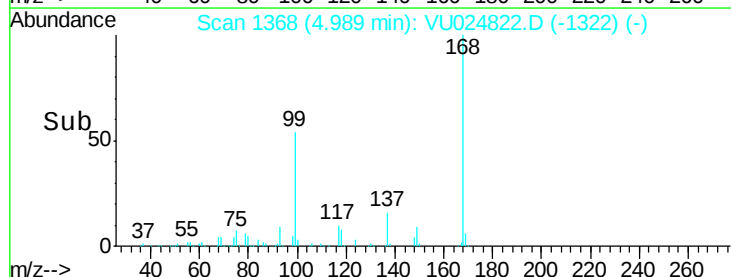


Abundance Ion 116.80 (116.50 to 117.50): VU024822.D (-1368) (-)

Ion 118.80 (118.50 to 119.50): VU024822.D (-1368) (-)

Ion 120.80 (120.50 to 121.50): VU024822.D (-1368) (-)

Time-->

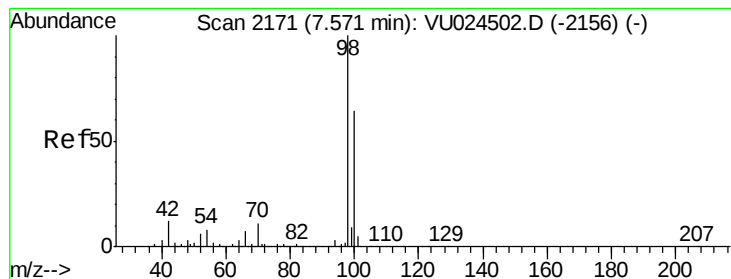


Abundance Ion 116.80 (116.50 to 117.50): VU024822.D (-1368) (-)

Ion 118.80 (118.50 to 119.50): VU024822.D (-1368) (-)

Ion 120.80 (120.50 to 121.50): VU024822.D (-1368) (-)

Time-->



#50

Toluene-d8

Concen: 48.617 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

Instrument :

MSVOA_U

ClientSampleId :

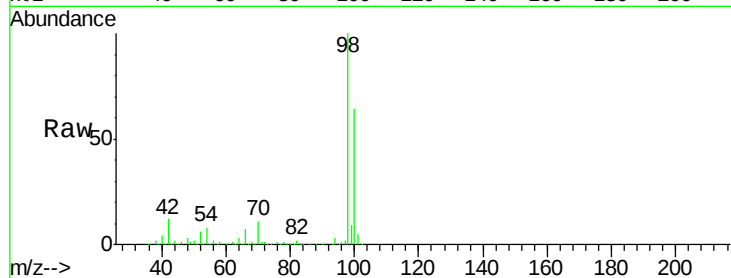
MWHR2-9-061418

Tot Ion: 98 Resp: 426907

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)

Ion 100.00 (99.70 to 100.70): VU024502.D (-2156) (-)

7.57

250000

200000

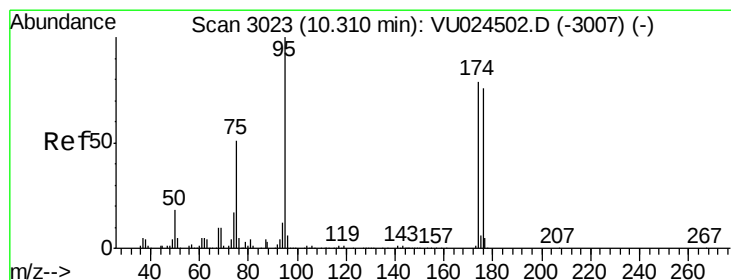
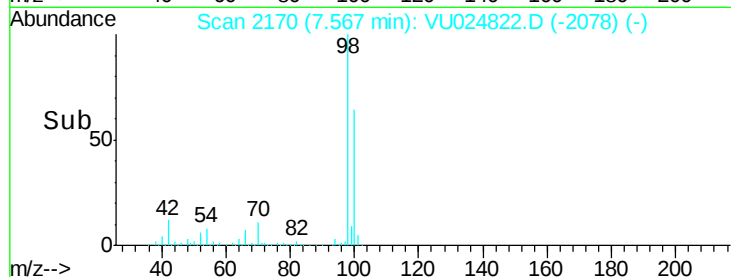
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.570 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

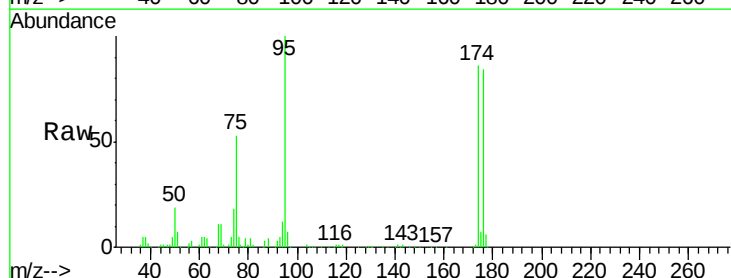
Tgt Ion: 95 Resp: 155388

Ion Ratio Lower Upper

95 100

174 85.8 0.0 165.8

176 83.9 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) (-)

10.31

120000

100000

80000

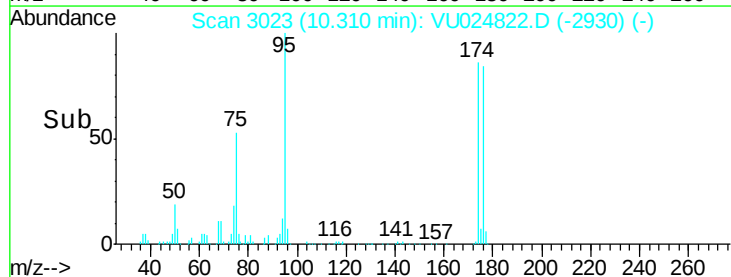
60000

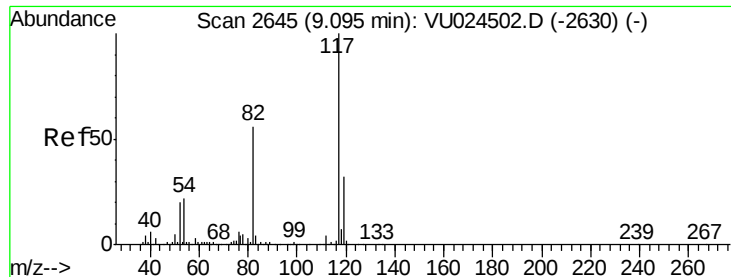
40000

20000

0

Time-->

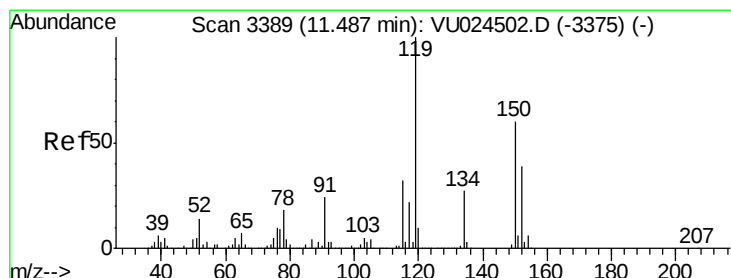
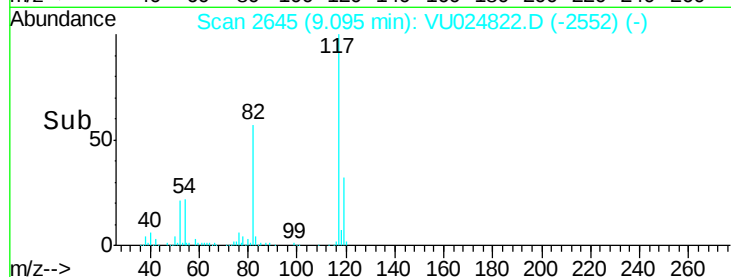
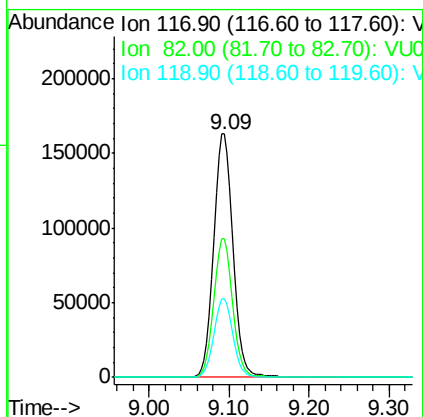
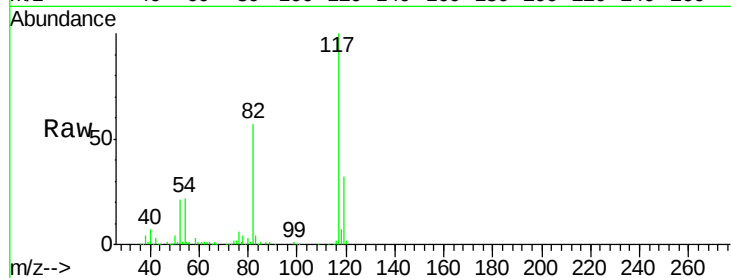




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024822.D
Acq: 21 Jun 2018 19:44

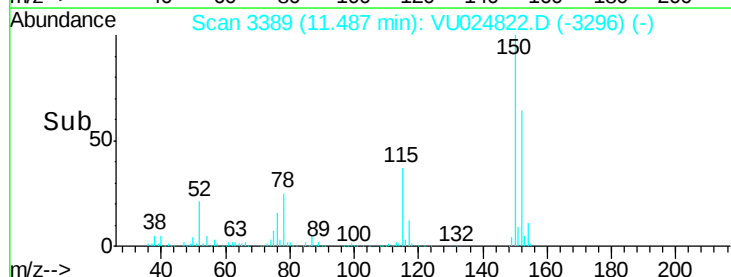
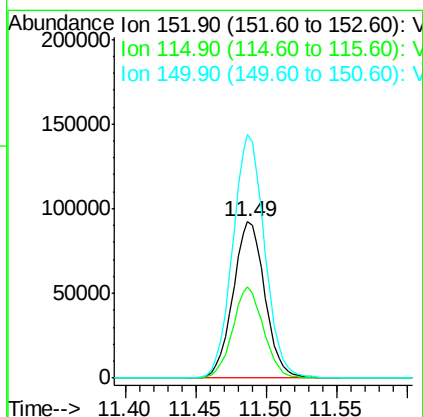
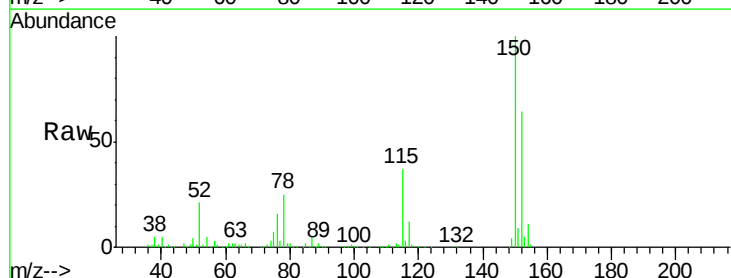
Instrument :
MSVOA_U
ClientSampleId :
MWHR2-9-061418

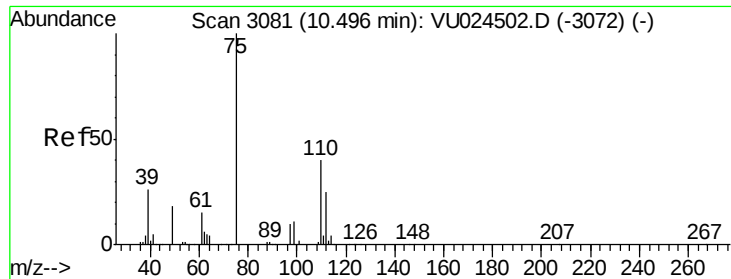
Tot Ion:117 Resp: 275324
Ion Ratio Lower Upper
117 100
82 57.0 44.3 66.5
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024822.D
Acq: 21 Jun 2018 19:44

Tgt Ion:152 Resp: 145796
Ion Ratio Lower Upper
152 100
115 56.7 43.0 129.0
150 156.5 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 25.120 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

Instrument :

MSVOA_U

ClientSampleId :

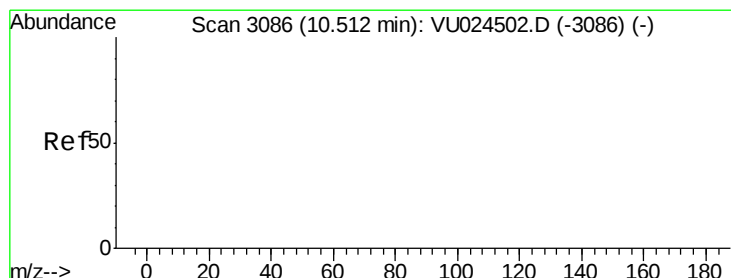
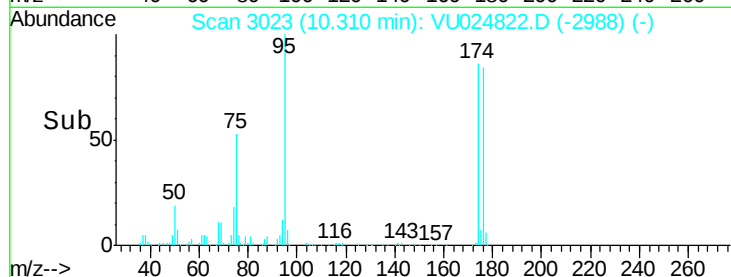
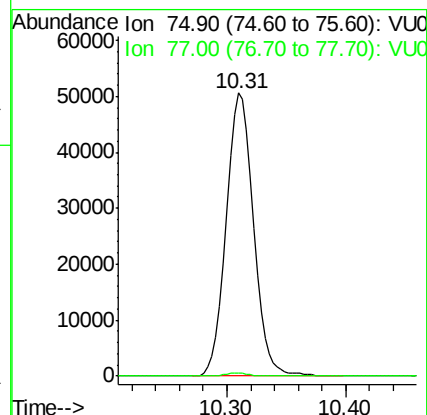
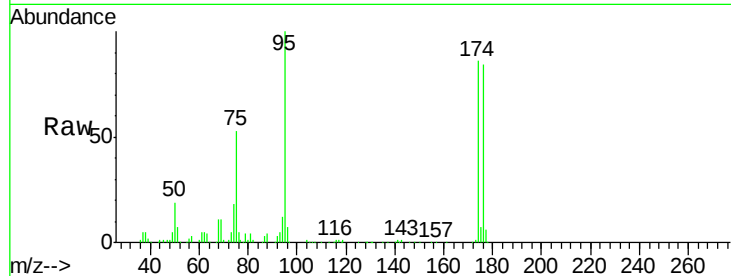
MWHR2-9-061418

Tot Ion: 75 Resp: 80632

Ion Ratio Lower Upper

75 100

77 0.9 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.138 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

Tgt Ion: 75 Resp: 80632

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

