

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU025002.D
 Acq On : 28 Jun 2018 06:11
 Operator : MD/SY
 Sample : J3671-02ME
 Misc : 5.91g/5mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0477-180621ME

Quant Time: Jun 28 06:47:32 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

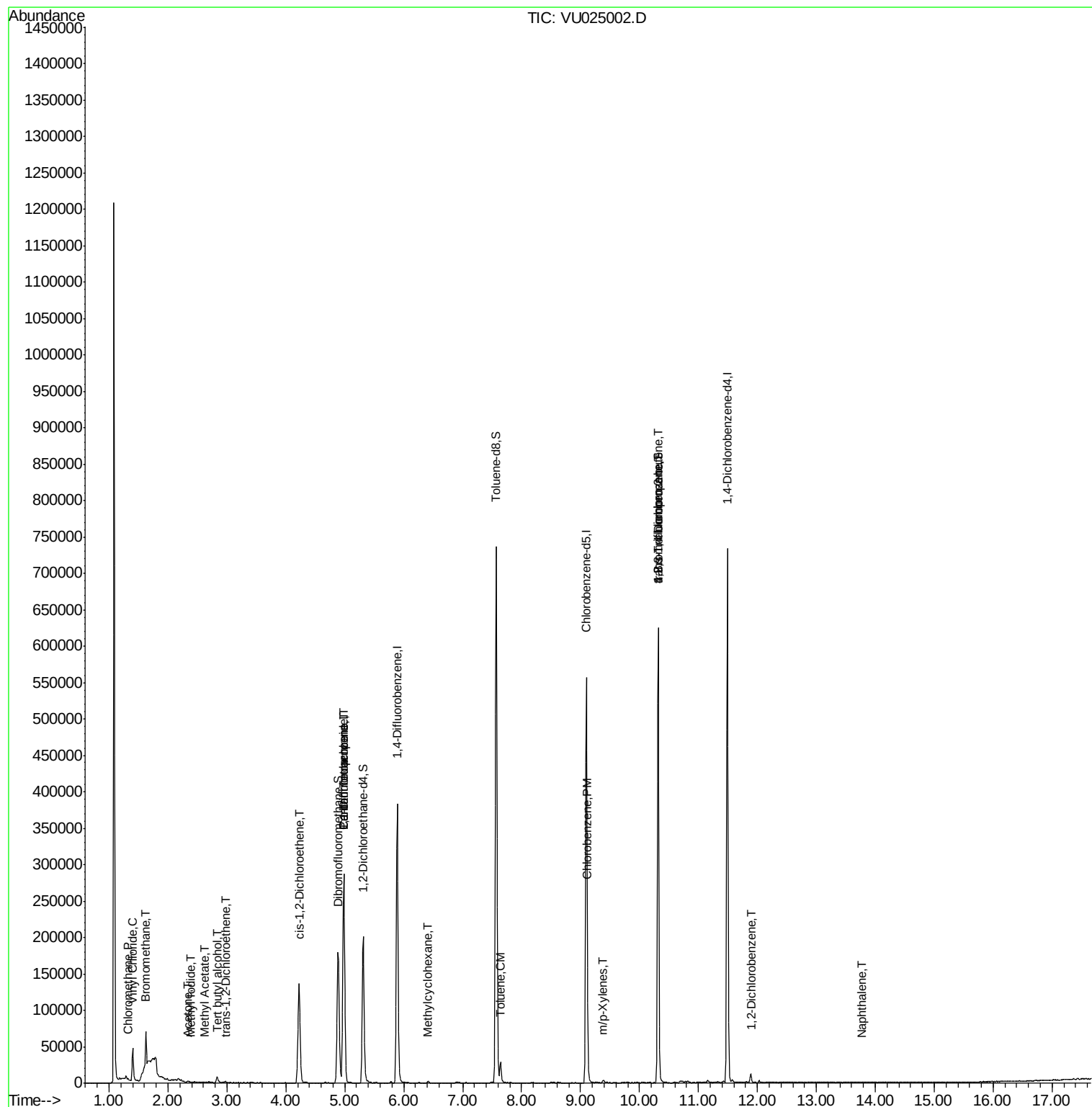
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	228812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	345548	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	335110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	189525	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	173090	46.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.68%	
35) Dibromofluoromethane	4.89	113	133131	46.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.84%	
50) Toluene-d8	7.57	98	504582	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	10.32	95	202682	48.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.60%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	1076	0.368	ug/l	98
4) Vinyl Chloride	1.40	62	33652	11.152	ug/l	95
5) Bromomethane	1.61	94	686	0.470	ug/l	92
6) Chloroethane	1.66	64	291	Below Cal	#	51
8) Diethyl Ether	1.89	74	19	Below Cal	#	1
10) Methyl Iodide	2.39	142	117	5.332	ug/l #	40
11) Tert butyl alcohol	2.83	59	4532	4.989	ug/l #	74
16) Acetone	2.34	43	1505	0.750	ug/l #	44
18) Methyl Acetate	2.63	43	1606	0.373	ug/l #	72
21) trans-1,2-Dichloroethene	2.97	96	643	0.224	ug/l	80
27) cis-1,2-Dichloroethene	4.22	96	80814	24.497	ug/l	87
31) Cyclohexane	4.98	56	4855	Below Cal	#	20
36) 1,1-Dichloropropene	4.98	75	16701	4.113	ug/l #	50
38) Carbon Tetrachloride	4.98	117	21327	4.776	ug/l #	16
39) Methylcyclohexane	6.42	83	1052	0.208	ug/l #	73
52) Toluene	7.64	92	12100	1.626	ug/l	91
65) Chlorobenzene	9.12	112	8630	1.008	ug/l	96
68) m/p-Xylenes	9.39	106	1349	0.234	ug/l	98
76) 1,2,3-Trichloropropane	10.32	75	106756	25.585	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.32	75	106756	59.214	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	4454	0.653	ug/l	92
95) Naphthalene	13.77	128	355	0.704	ug/l #	69

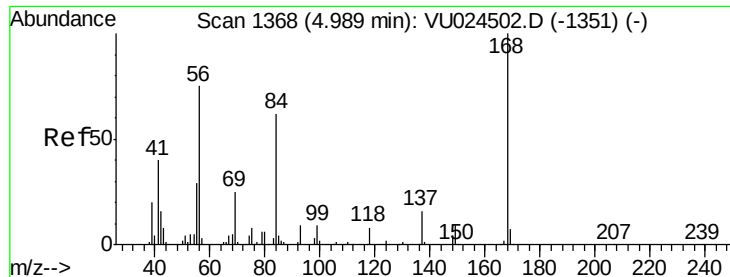
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
Data File : VU025002.D
Acq On : 28 Jun 2018 06:11
Operator : MD/SY
Sample : J3671-02ME
Misc : 5.91g/5mL/100uL/5.00ML/MSVOA_U/MEOH
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DUP-0477-180621ME

Quant Time: Jun 28 06:47:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
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: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU025002.D

Acq: 28 Jun 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

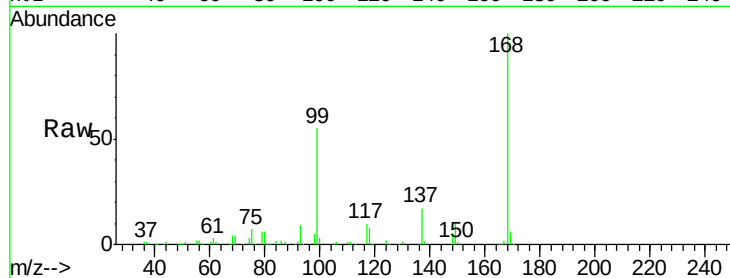
DUP-0477-180621ME

Tgt Ion:168 Resp: 228812

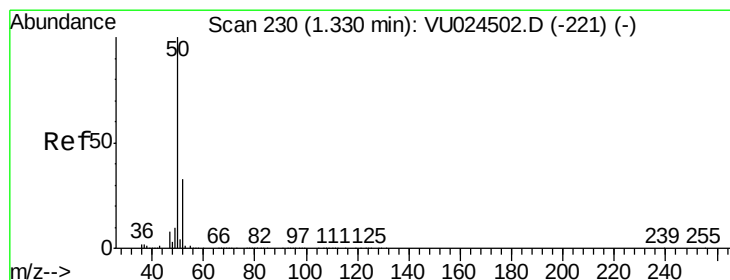
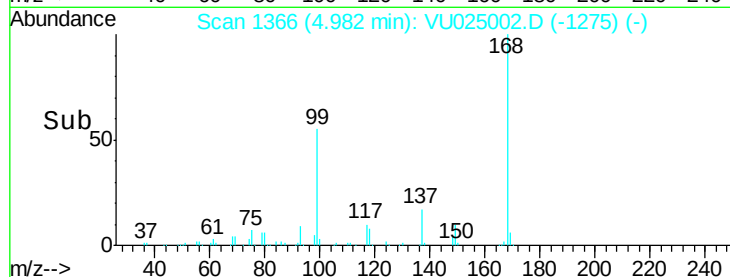
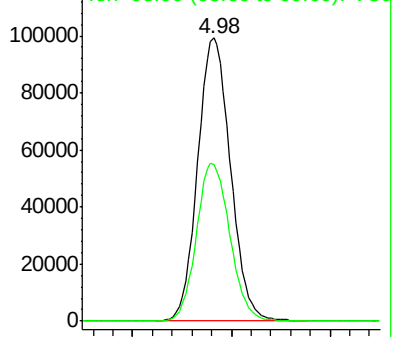
Ion Ratio Lower Upper

168 100

99 55.3 43.2 64.8



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



#3

Chloromethane

Concen: 0.368 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU025002.D

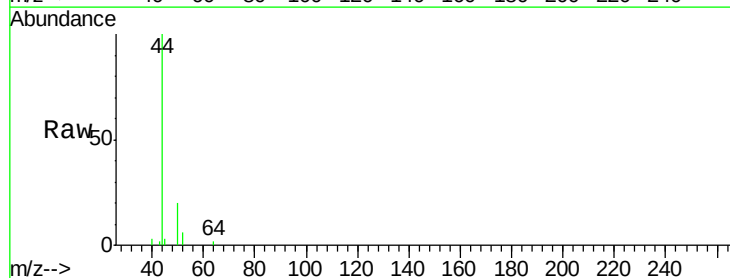
Acq: 28 Jun 2018 06:11

Tgt Ion: 50 Resp: 1076

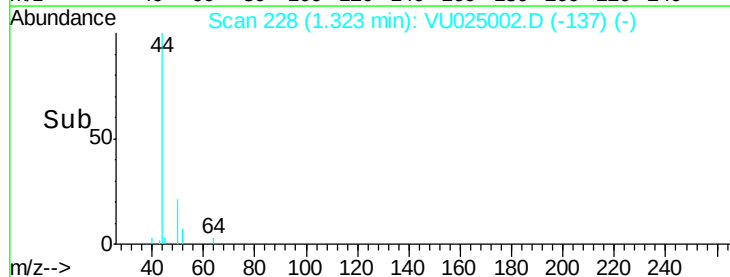
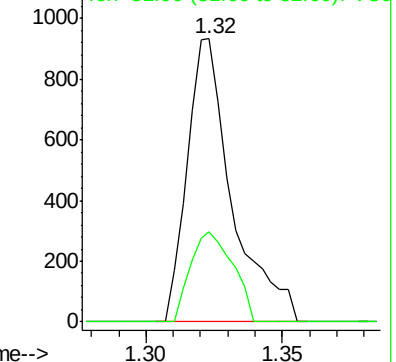
Ion Ratio Lower Upper

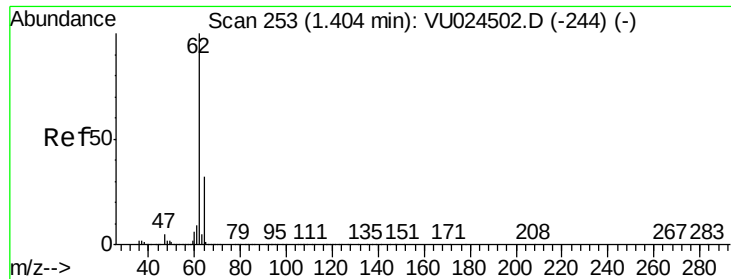
50 100

52 31.7 26.4 39.6



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





#4

Vinyl Chloride

Concen: 11.152 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025002.D

Acq: 28 Jun 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

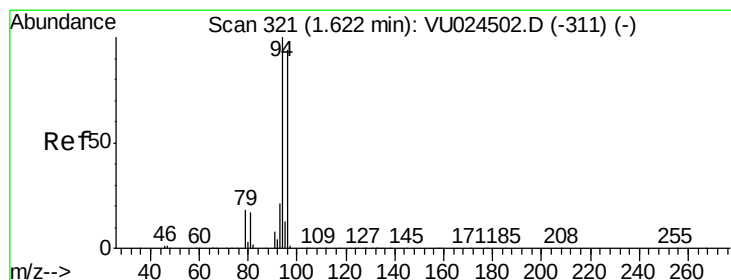
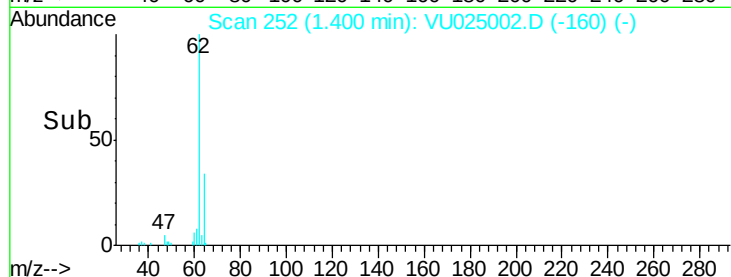
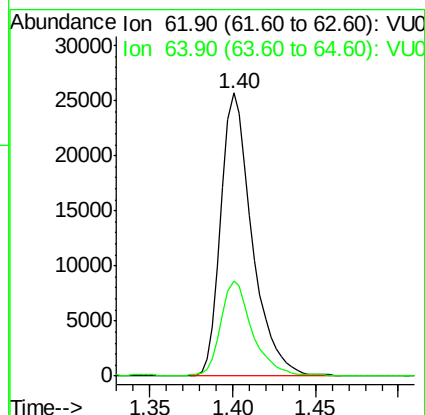
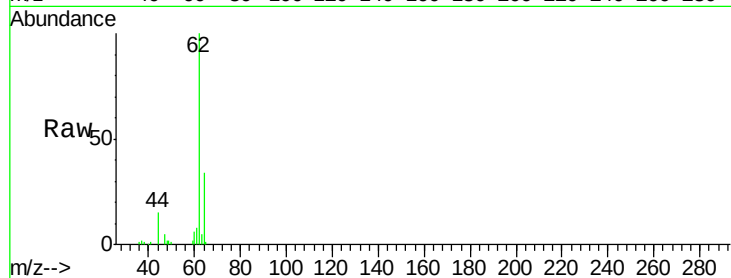
DUP-0477-180621ME

Tgt Ion: 62 Resp: 33652

Ion Ratio Lower Upper

62 100

64 33.8 24.8 37.2



#5

Bromomethane

Concen: 0.470 ug/l

RT: 1.61 min Scan# 317

Delta R.T. -0.01 min

Lab File: VU025002.D

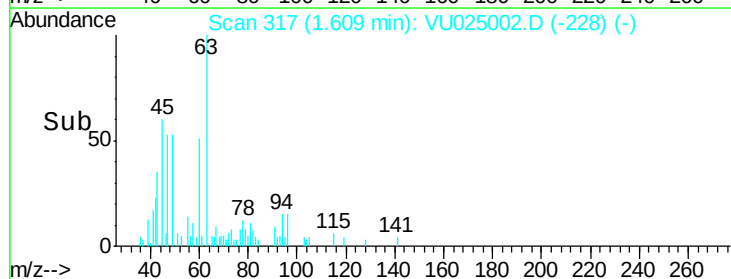
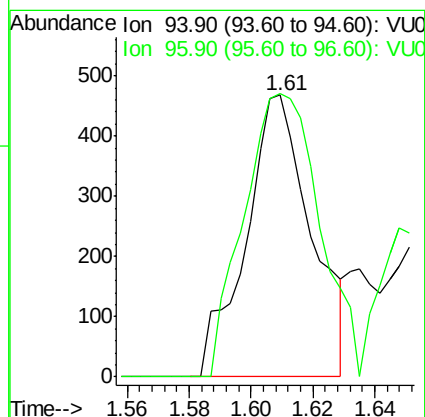
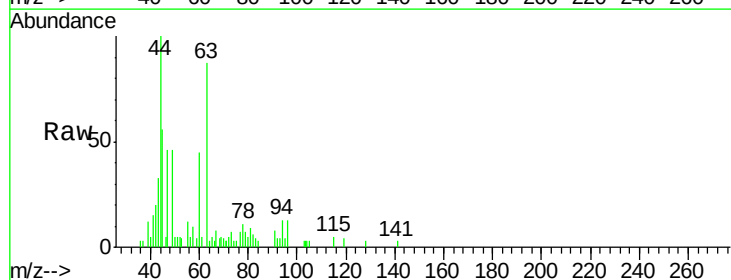
Acq: 28 Jun 2018 06:11

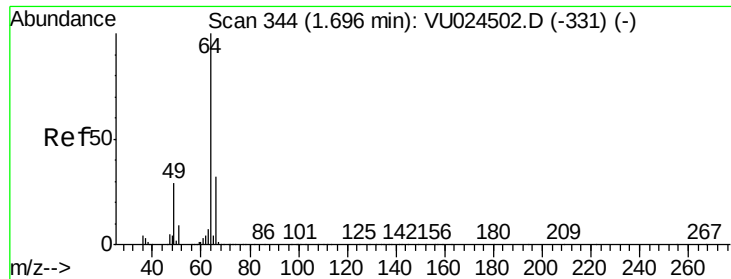
Tgt Ion: 94 Resp: 686

Ion Ratio Lower Upper

94 100

96 100.4 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 332

Delta R.T. -0.04 min

Lab File: VU025002.D

Acq: 28 Jun 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

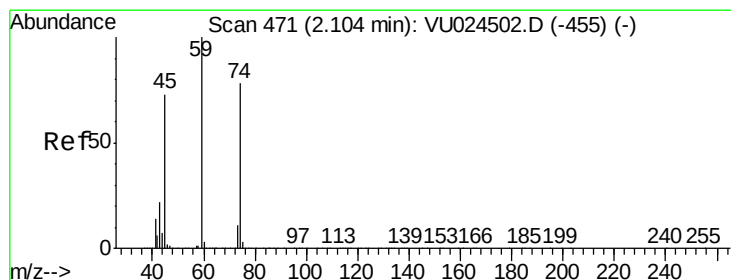
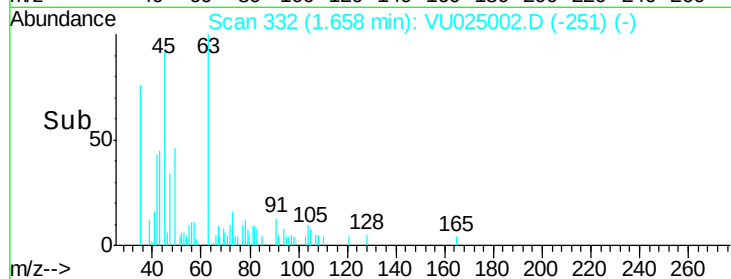
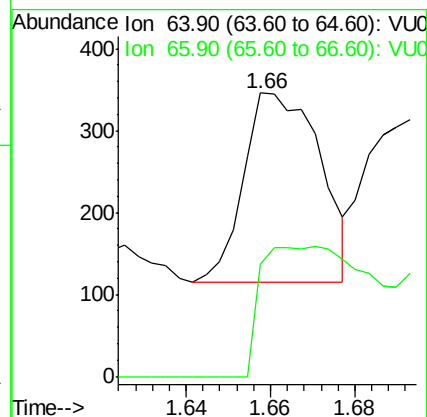
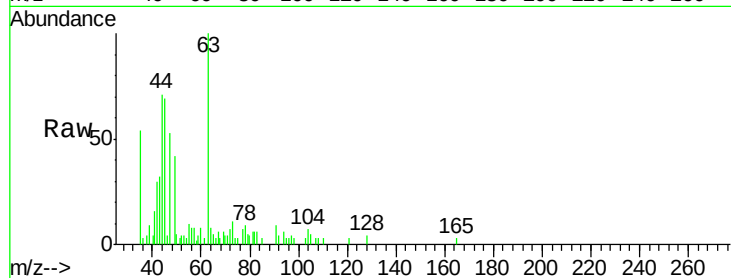
DUP-0477-180621ME

Tgt Ion: 64 Resp: 291

Ion Ratio Lower Upper

64 100

66 59.3 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 1.89 min Scan# 404

Delta R.T. -0.21 min

Lab File: VU025002.D

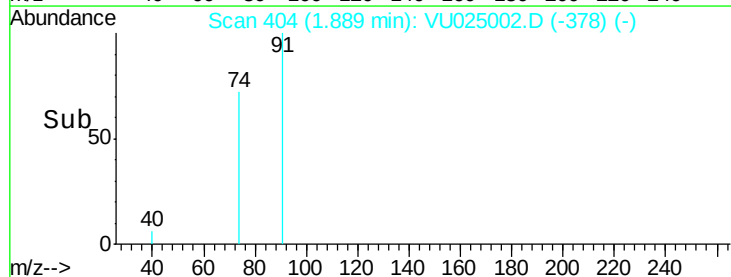
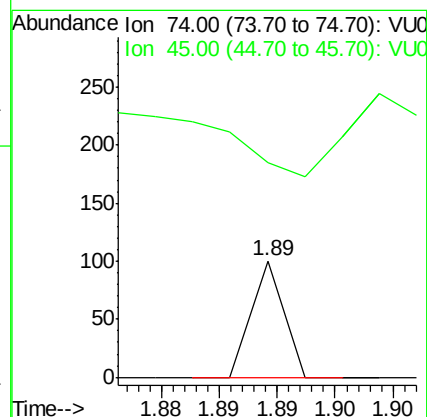
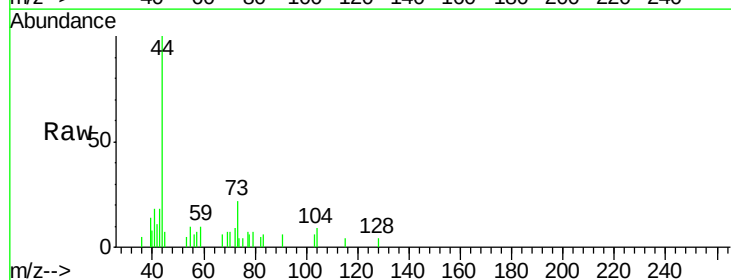
Acq: 28 Jun 2018 06:11

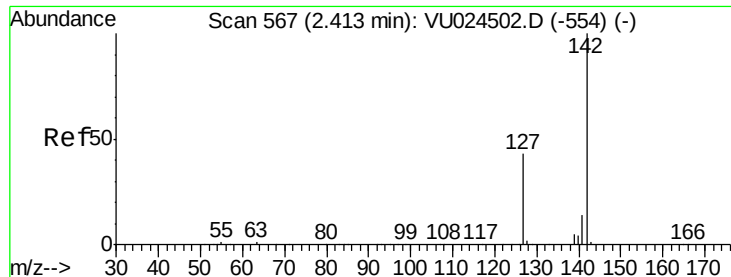
Tgt Ion: 74 Resp: 19

Ion Ratio Lower Upper

74 100

45 0.0 55.0 165.0#

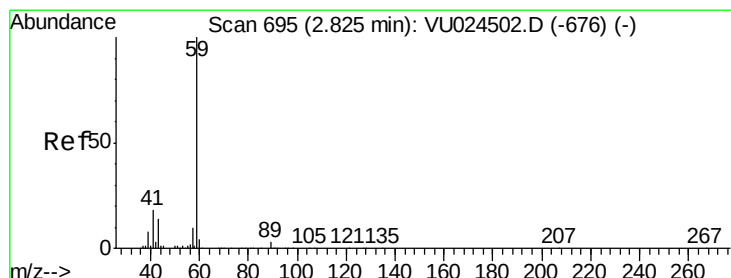
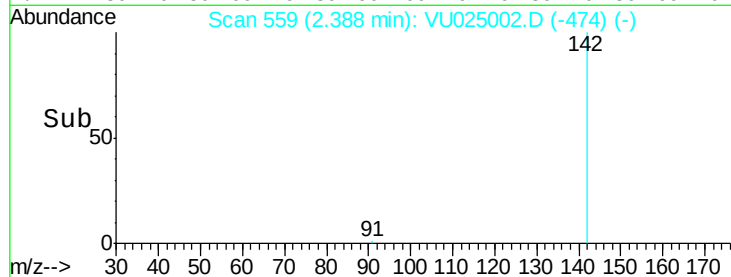
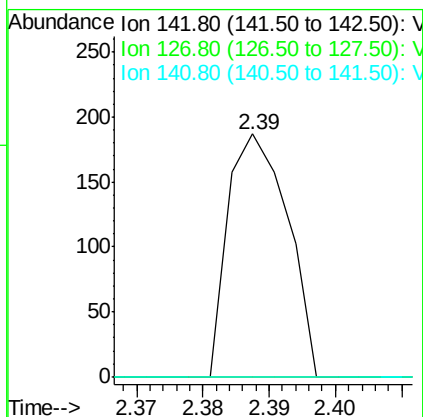
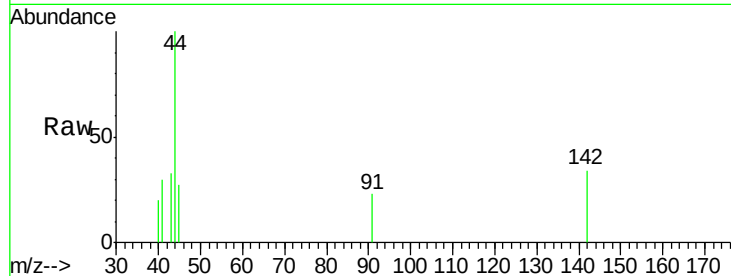




#10
Methyl Iodide
Concen: 5.332 ug/l
RT: 2.39 min Scan# 559
Delta R.T. -0.03 min
Lab File: VU025002.D
Acq: 28 Jun 2018 06:11

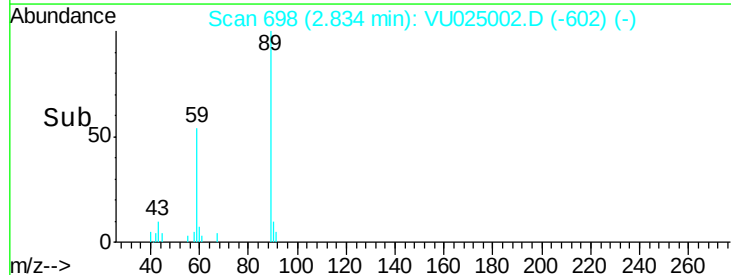
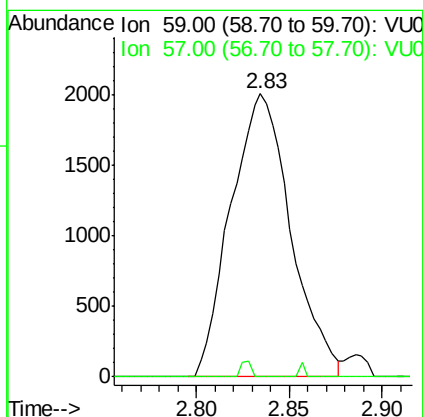
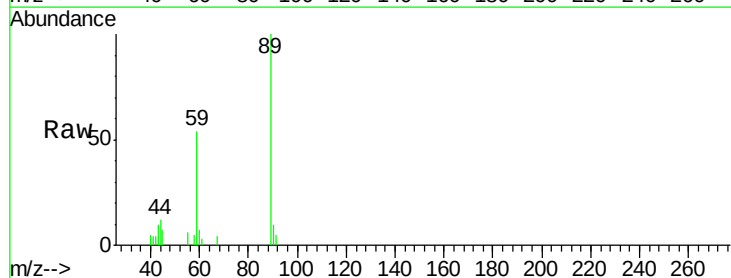
Instrument :
MSVOA_U
ClientSampleId :
DUP-0477-180621ME

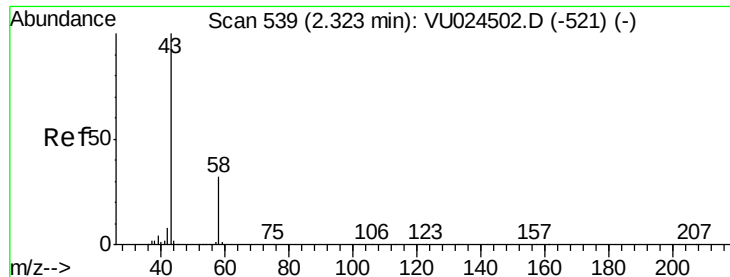
Tgt Ion: 142 Resp: 117
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 4.989 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025002.D
Acq: 28 Jun 2018 06:11

Tgt Ion: 59 Resp: 4532
Ion Ratio Lower Upper
59 100
57 0.9 8.5 12.7#





#16

Acetone

Concen: 0.750 ug/l

RT: 2.34 min Scan# 543

Delta R.T. 0.01 min

Lab File: VU025002.D

Acq: 28 Jun 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

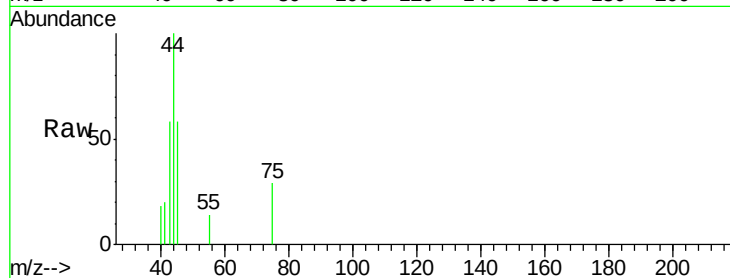
DUP-0477-180621ME

Tgt Ion: 43 Resp: 1505

Ion Ratio Lower Upper

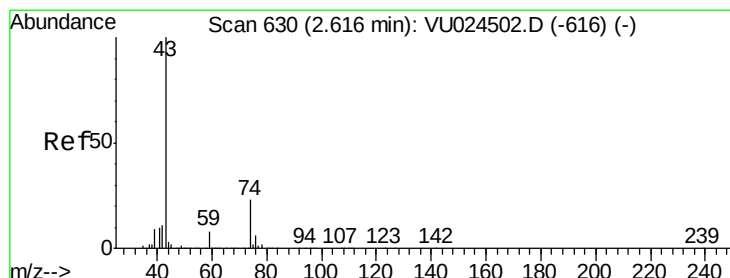
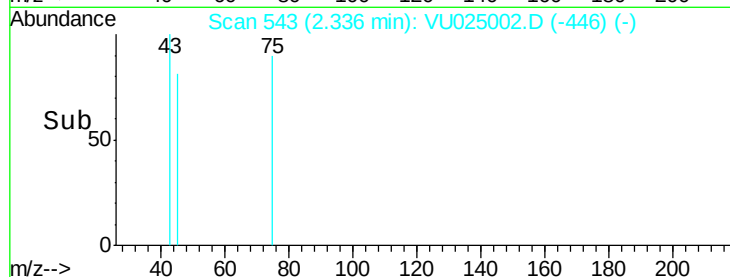
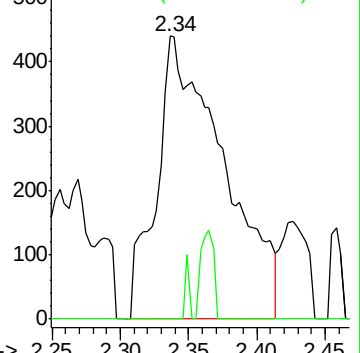
43 100

58 0.0 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.373 ug/l

RT: 2.63 min Scan# 634

Delta R.T. 0.01 min

Lab File: VU025002.D

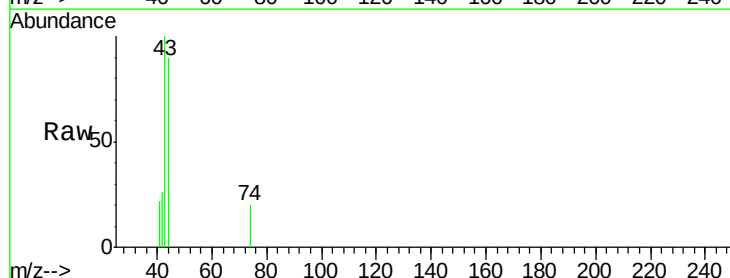
Acq: 28 Jun 2018 06:11

Tgt Ion: 43 Resp: 1606

Ion Ratio Lower Upper

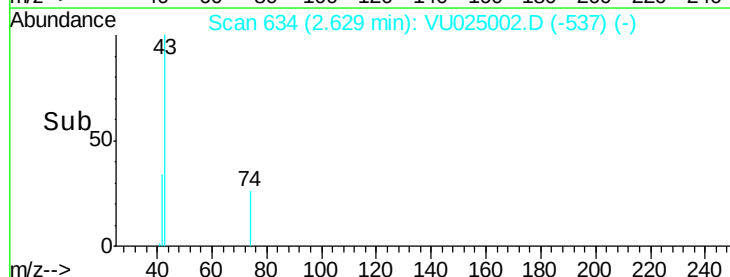
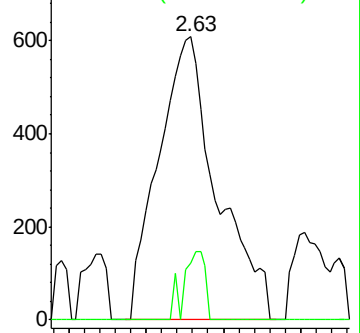
43 100

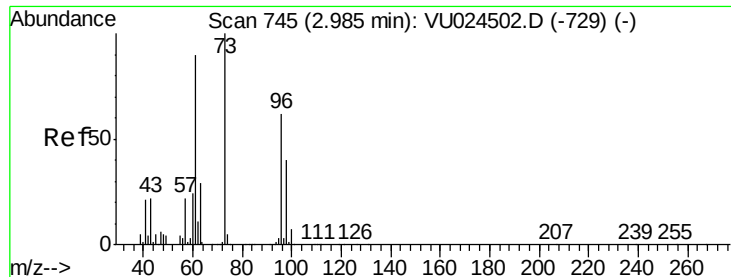
74 9.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#21

trans-1,2-Dichloroethene

Concen: 0.224 ug/l

RT: 2.97 min Scan# 740

Delta R.T. -0.02 min

Lab File: VU025002.D

Acq: 28 Jun 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

DUP-0477-180621ME

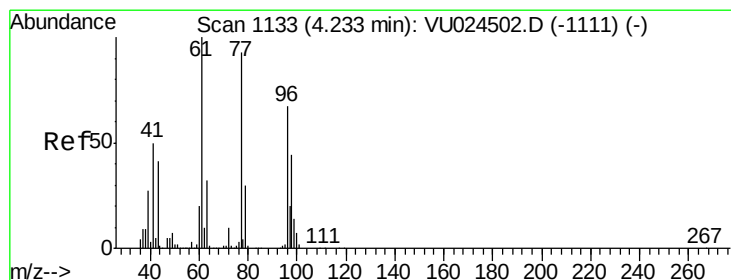
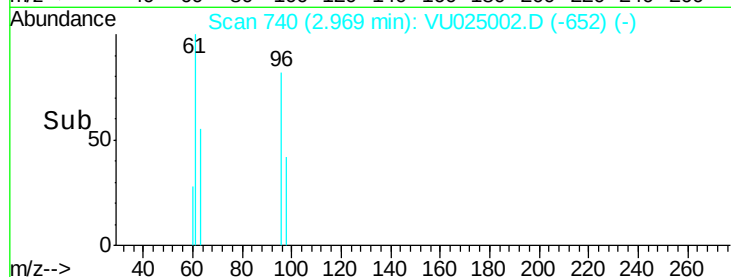
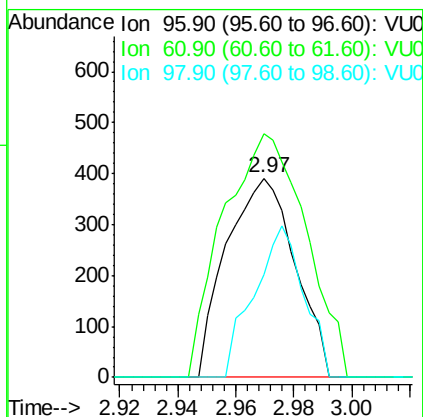
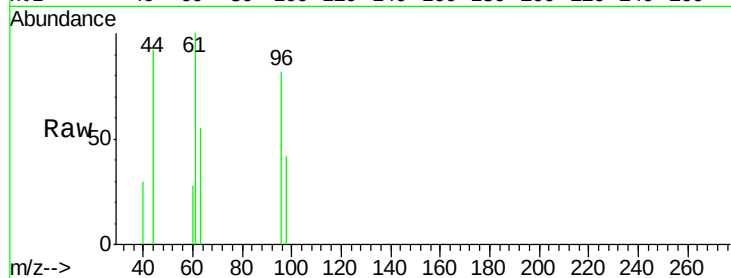
Tgt Ion: 96 Resp: 643

Ion Ratio Lower Upper

96 100

61 122.3 119.4 179.0

98 51.4 51.1 76.7



#27

cis-1,2-Dichloroethene

Concen: 24.497 ug/l

RT: 4.22 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VU025002.D

Acq: 28 Jun 2018 06:11

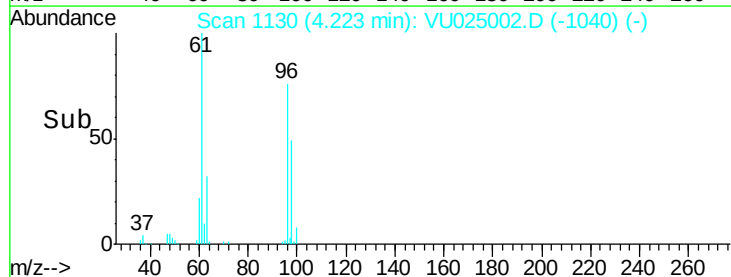
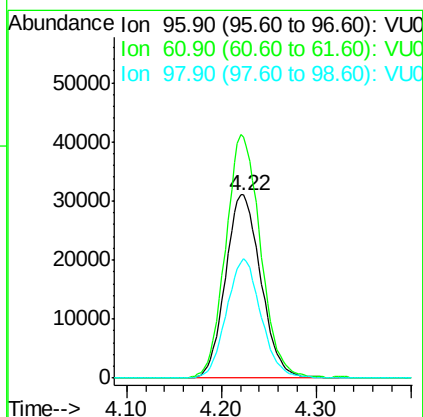
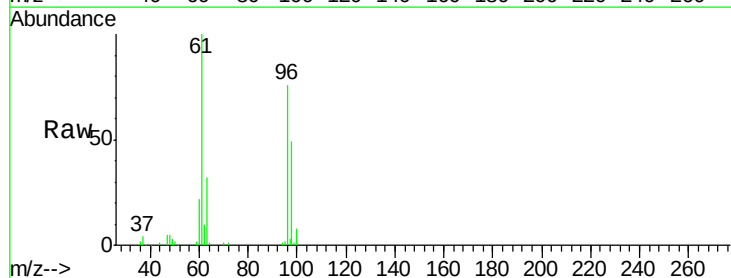
Tgt Ion: 96 Resp: 80814

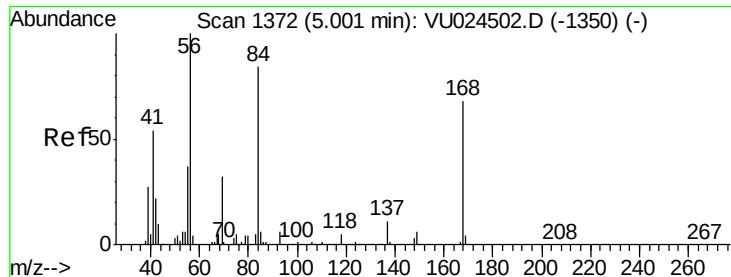
Ion Ratio Lower Upper

96 100

61 130.8 0.0 306.6

98 63.4 0.0 128.8

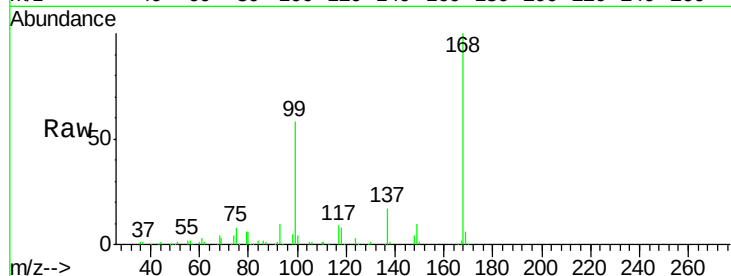




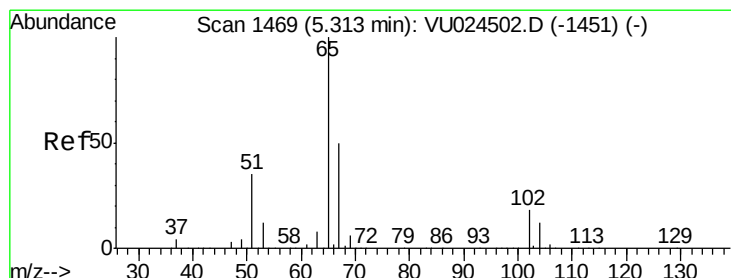
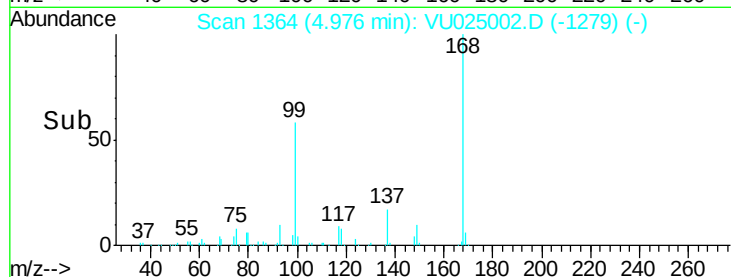
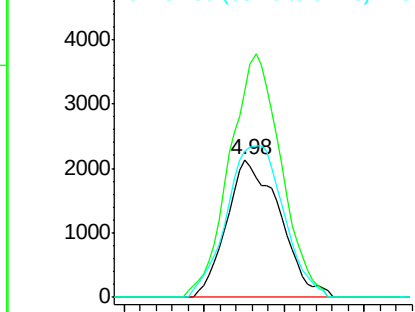
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1364
Delta R.T. -0.03 min
Lab File: VU025002.D
Acq: 28 Jun 2018 06:11

Instrument :
MSVOA_U
ClientSampleId :
DUP-0477-180621ME

Tgt Ion: 56 Resp: 4855
Ion Ratio Lower Upper
56 100
69 149.4 24.8 37.2#
84 106.5 65.2 97.8#

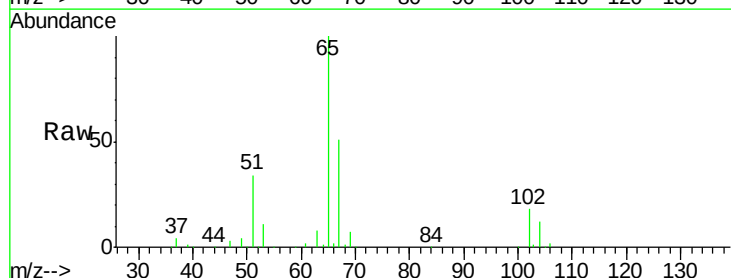


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

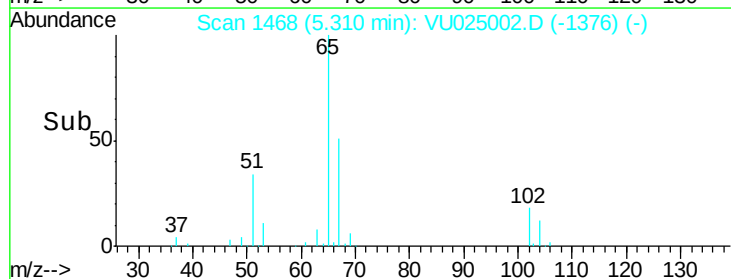
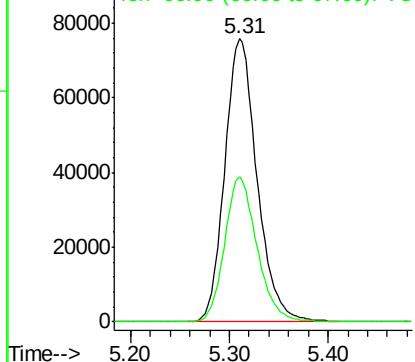


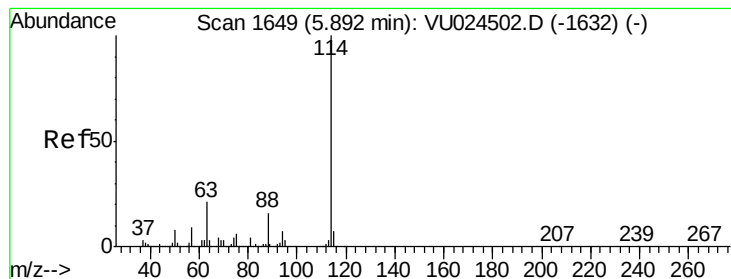
#33
1,2-Dichloroethane-d4
Concen: 46.338 ug/l
RT: 5.31 min Scan# 1468
Delta R.T. -0.00 min
Lab File: VU025002.D
Acq: 28 Jun 2018 06:11

Tgt Ion: 65 Resp: 173090
Ion Ratio Lower Upper
65 100
67 51.7 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025002.D

Acq: 28 Jun 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

DUP-0477-180621ME

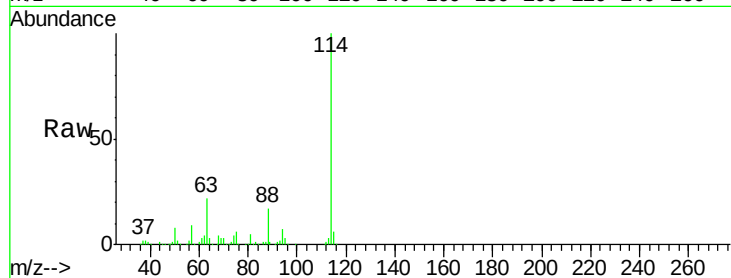
Tgt Ion:114 Resp: 345548

Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.4

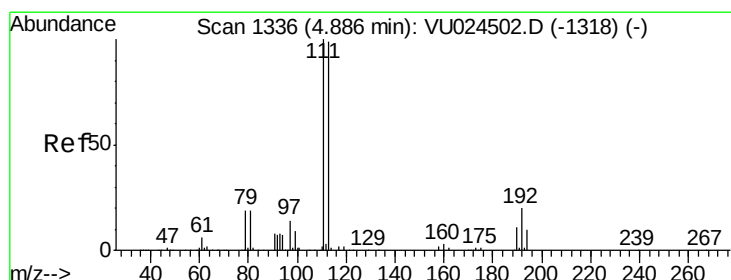
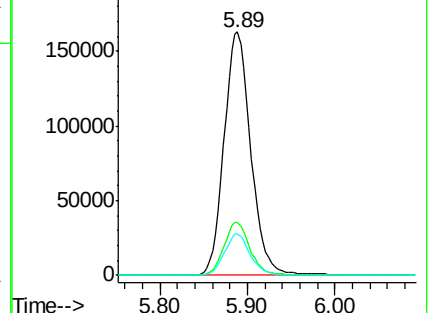
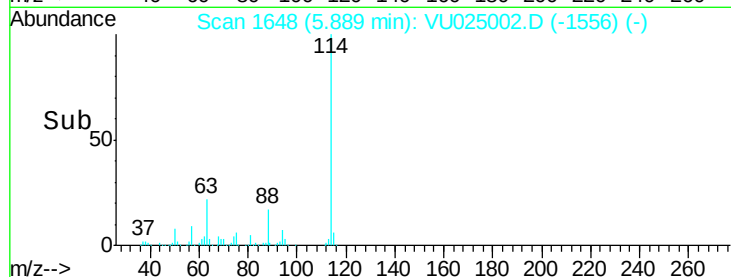
88 17.1 0.0 31.0



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: 46.423 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025002.D

Acq: 28 Jun 2018 06:11

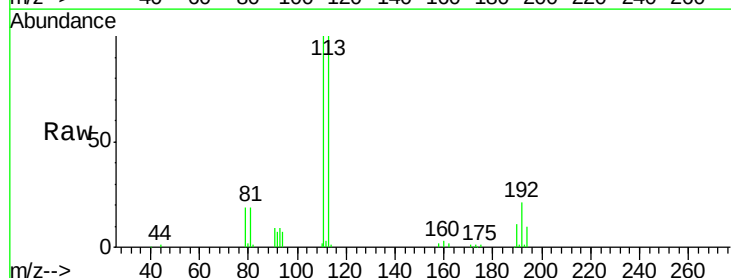
Tgt Ion:113 Resp: 133131

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

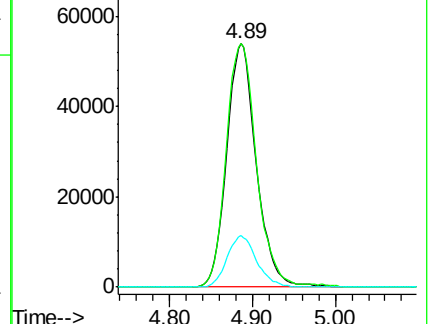
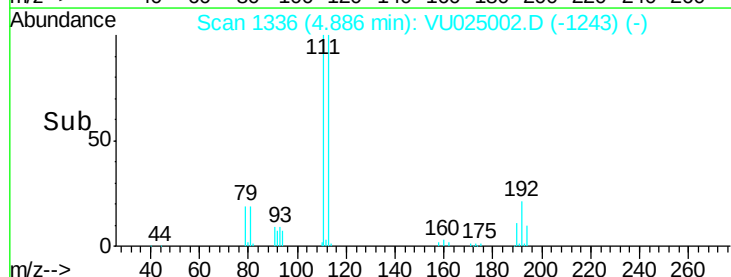
192 21.2 16.2 24.4

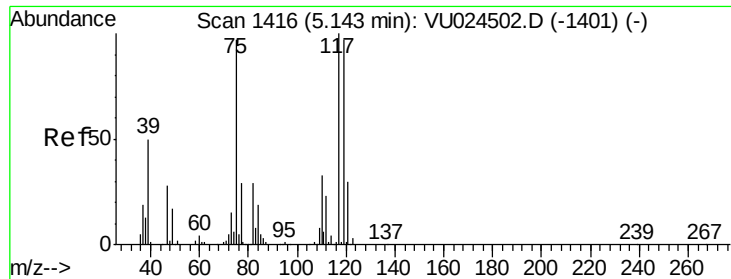


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

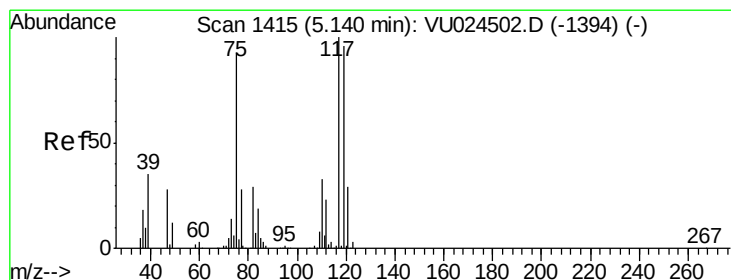
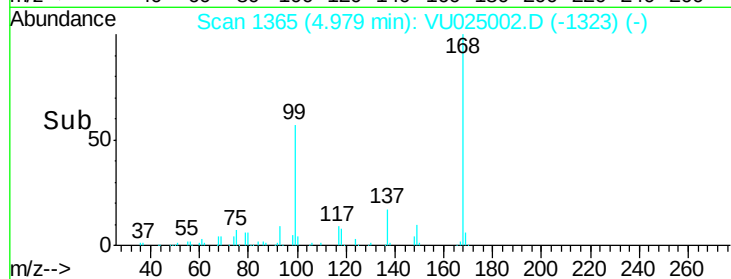
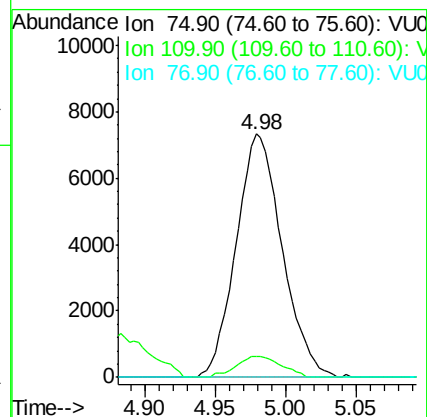
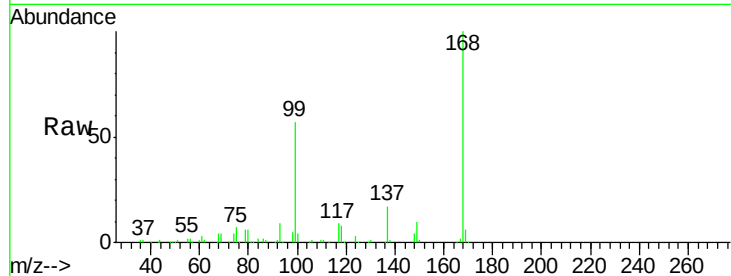




#36
 1,1-Dichloropropene
 Concen: 4.113 ug/l
 RT: 4.98 min Scan# 1365
 Delta R.T. -0.16 min
 Lab File: VU025002.D
 Acq: 28 Jun 2018 06:11

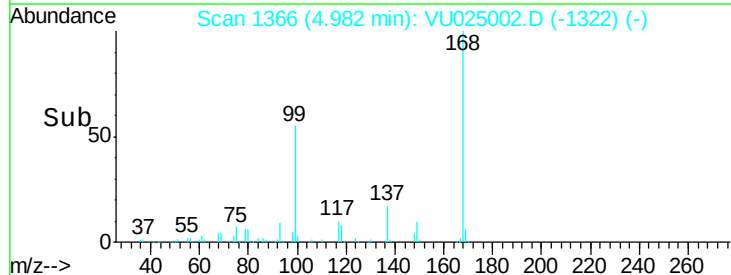
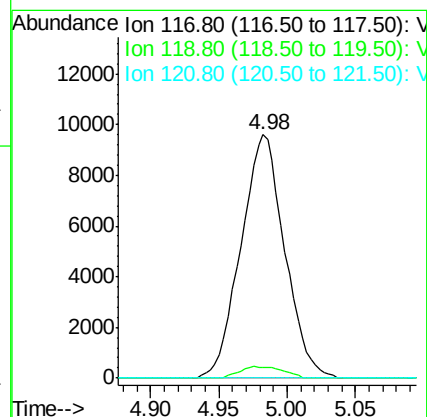
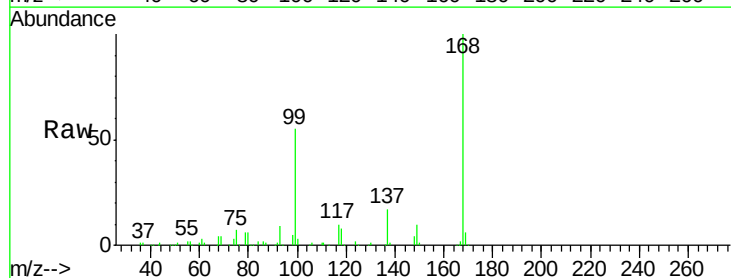
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0477-180621ME

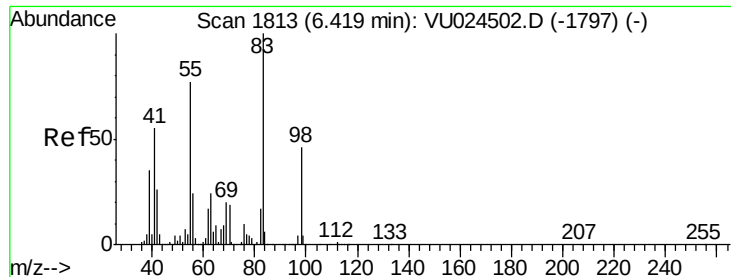
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.776 ug/l
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.16 min
 Lab File: VU025002.D
 Acq: 28 Jun 2018 06:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.1	114.1#
121	0.0	23.7	35.5#

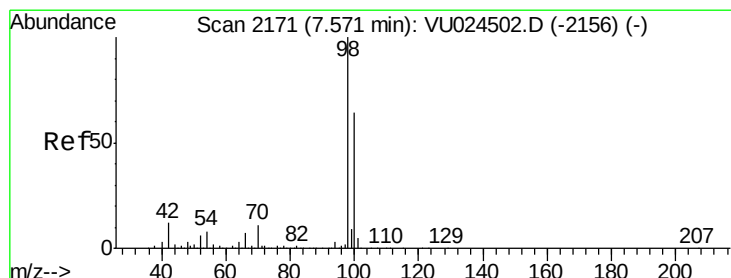
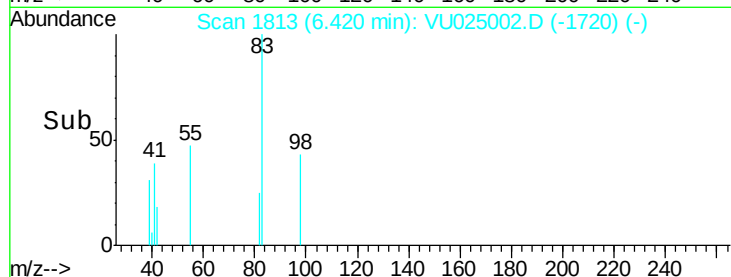
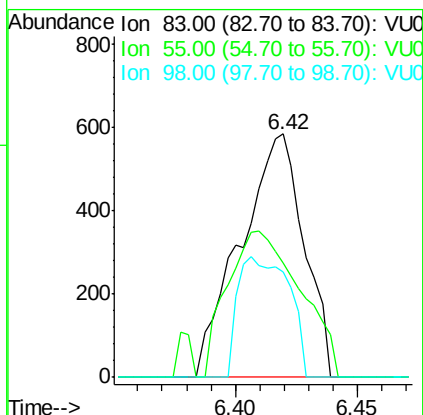
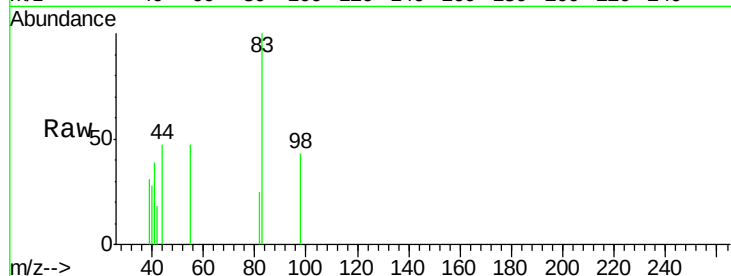




#39
Methylcyclohexane
Concen: 0.208 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025002.D
Acq: 28 Jun 2018 06:11

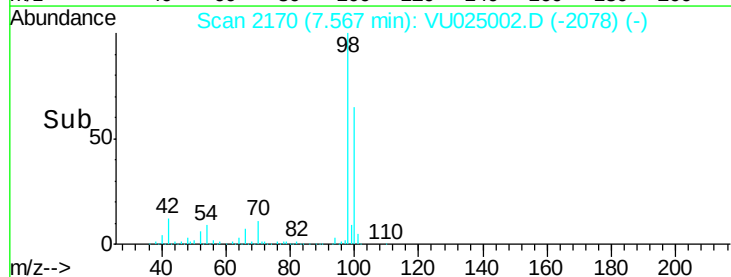
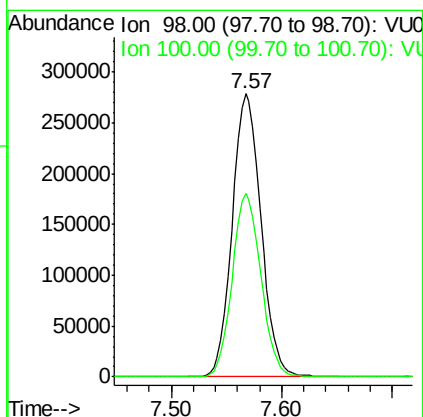
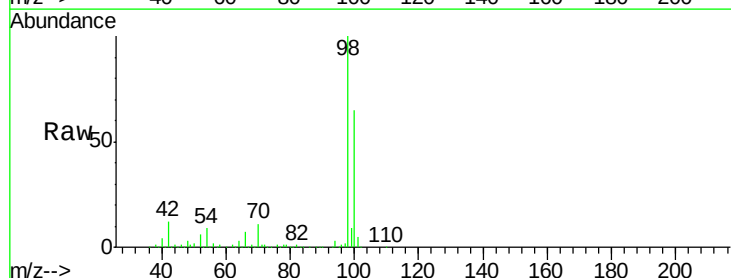
Instrument :
MSVOA_U
ClientSampleId :
DUP-0477-180621ME

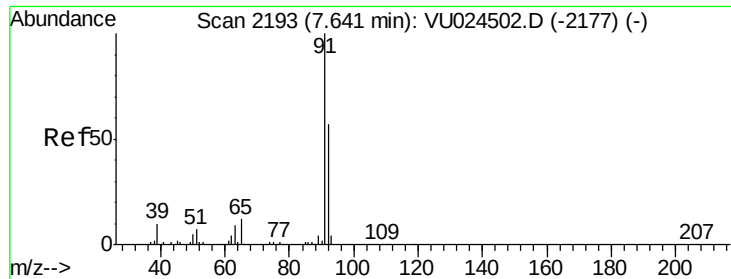
Tgt Ion: 83 Resp: 1052
Ion Ratio Lower Upper
83 100
55 46.8 65.8 98.6#
98 43.4 36.7 55.1



#50
Toluene-d8
Concen: 48.237 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025002.D
Acq: 28 Jun 2018 06:11

Tgt Ion: 98 Resp: 504582
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7





#52

Toluene

Concen: 1.626 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025002.D

Acq: 28 Jun 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

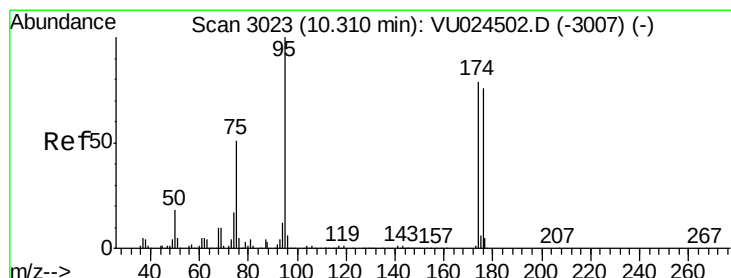
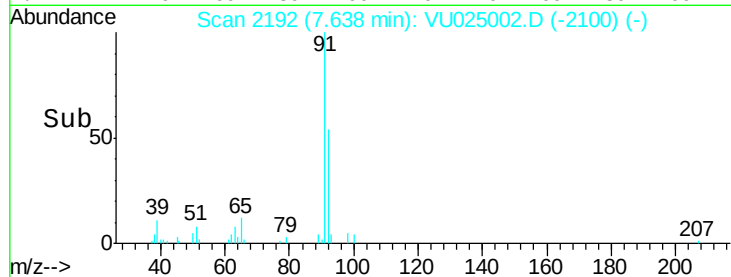
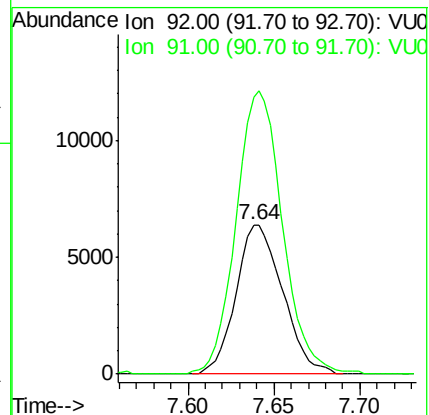
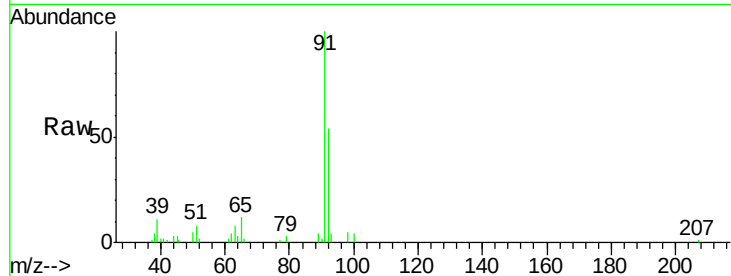
DUP-0477-180621ME

Tgt Ion: 92 Resp: 12100

Ion Ratio Lower Upper

92 100

91 188.7 140.5 210.7



#62

4-Bromofluorobenzene

Concen: 48.801 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU025002.D

Acq: 28 Jun 2018 06:11

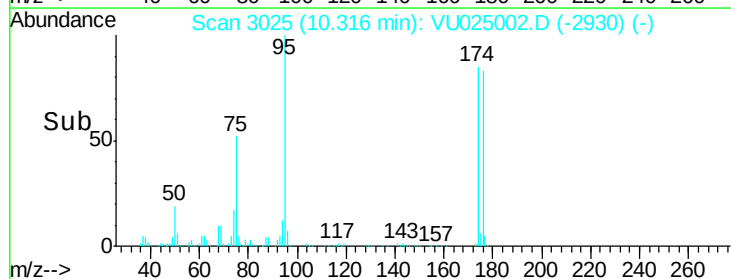
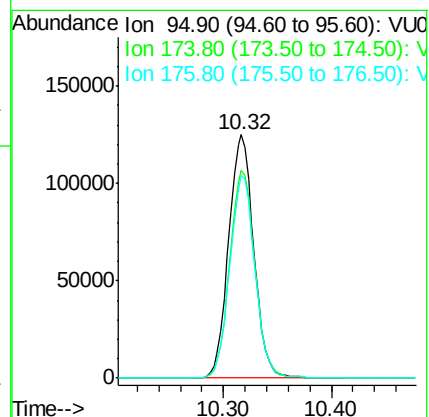
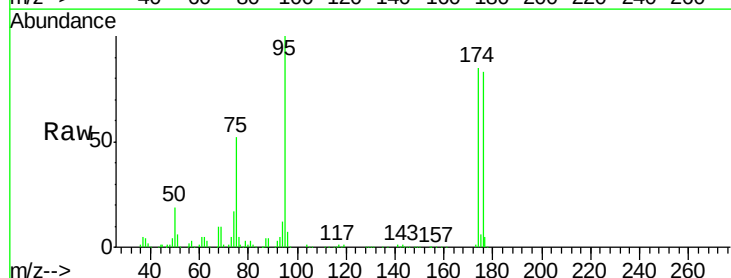
Tgt Ion: 95 Resp: 202682

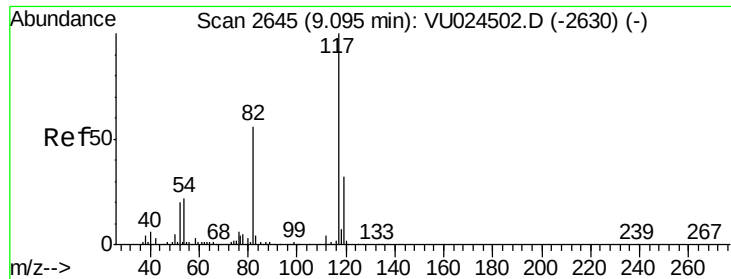
Ion Ratio Lower Upper

95 100

174 86.1 0.0 165.8

176 83.6 0.0 159.4

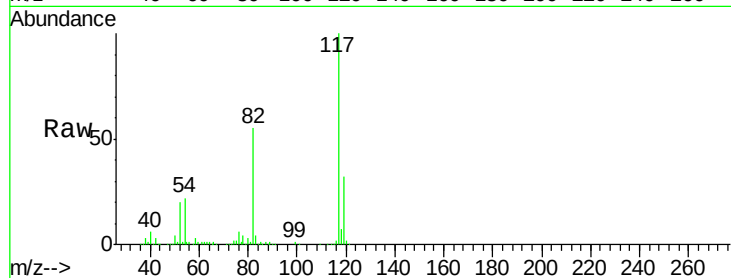




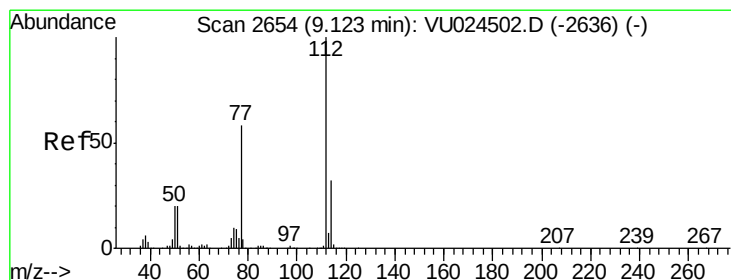
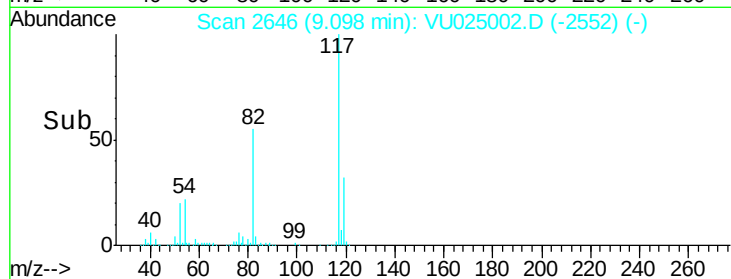
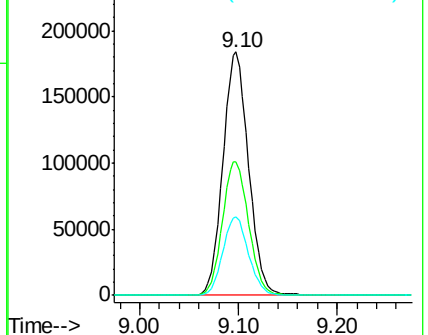
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.10 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VU025002.D
Acq: 28 Jun 2018 06:11

Instrument :
MSVOA_U
ClientSampleId :
DUP-0477-180621ME

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.3	66.5
119	32.2	25.4	38.2

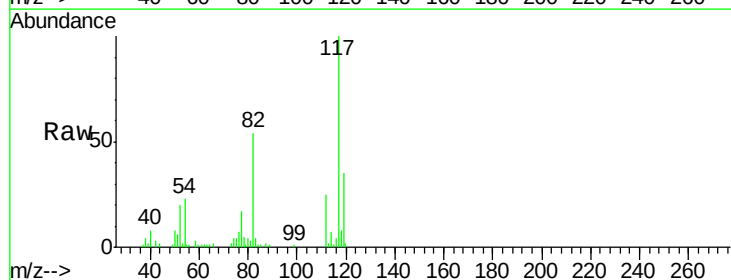


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

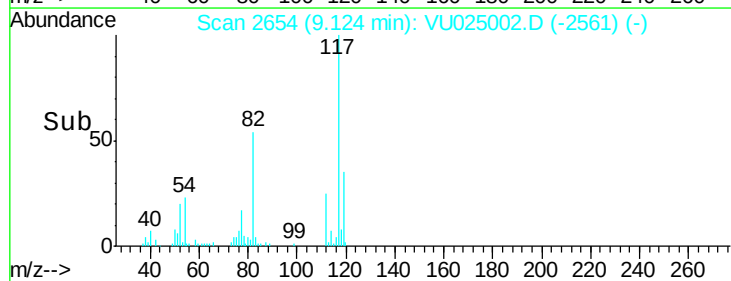
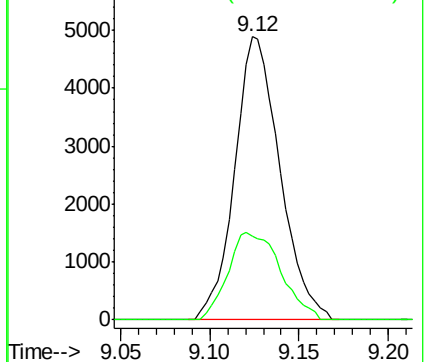


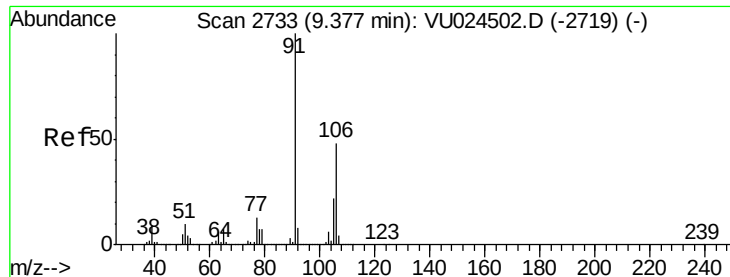
#65
Chlorobenzene
Concen: 1.008 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025002.D
Acq: 28 Jun 2018 06:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.7	25.6	38.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

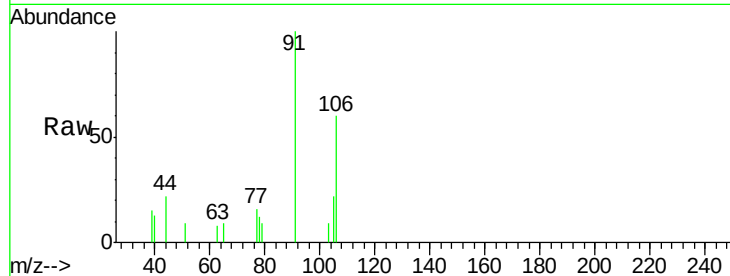




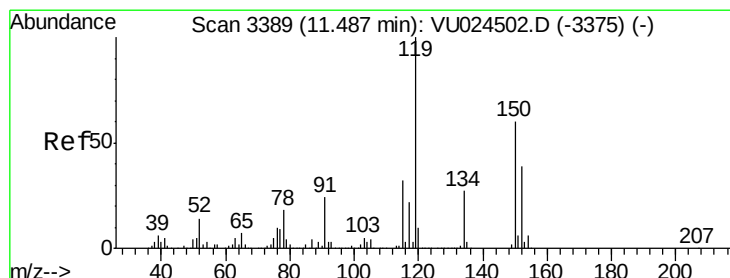
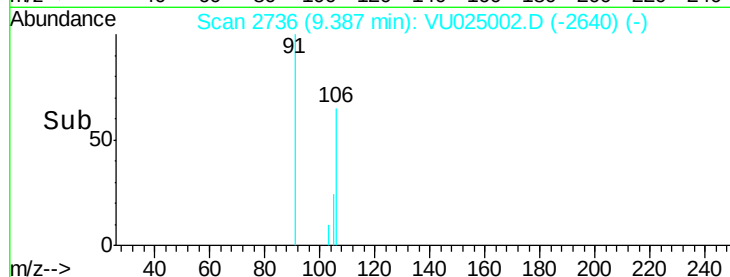
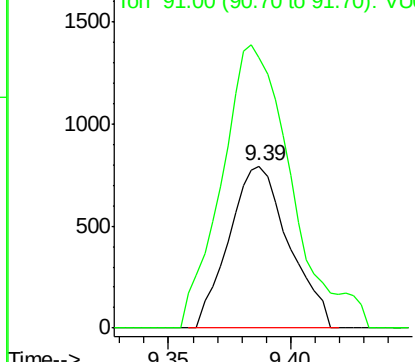
#68
m/p-Xylenes
Concen: 0.234 ug/l
RT: 9.39 min Scan# 2736
Delta R.T. 0.01 min
Lab File: VU025002.D
Acq: 28 Jun 2018 06:11

Instrument :
MSVOA_U
ClientSampleId :
DUP-0477-180621ME

Tgt Ion:106 Resp: 1349
Ion Ratio Lower Upper
106 100
91 204.5 166.5 249.7

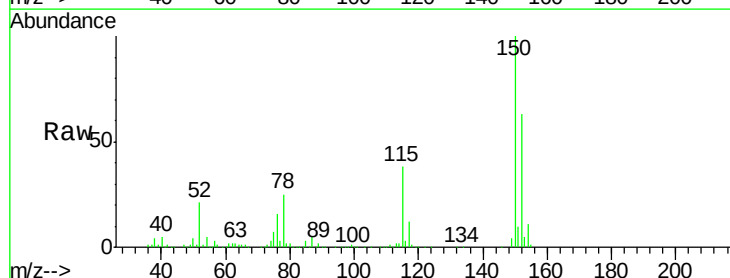


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

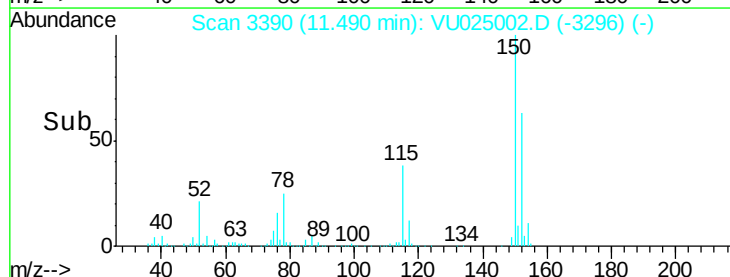
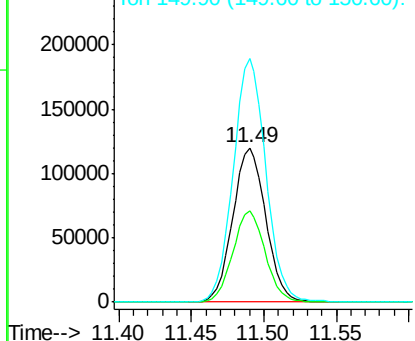


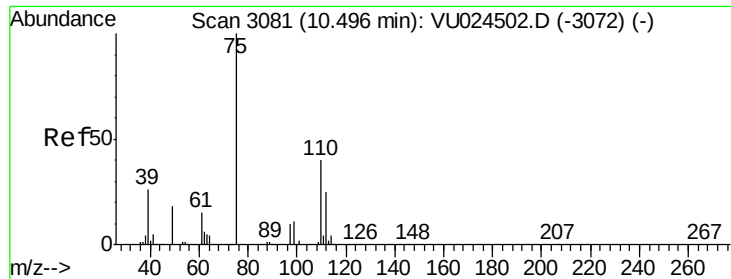
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU025002.D
Acq: 28 Jun 2018 06:11

Tgt Ion:152 Resp: 189525
Ion Ratio Lower Upper
152 100
115 57.8 43.0 129.0
150 156.0 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





#76

1,2,3-Trichloropropane

Concen: 25.585 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.18 min

Lab File: VU025002.D

Acq: 28 Jun 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

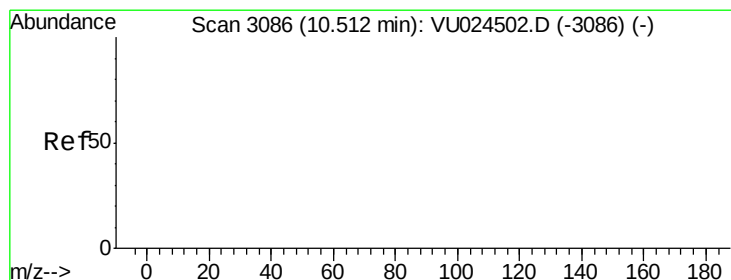
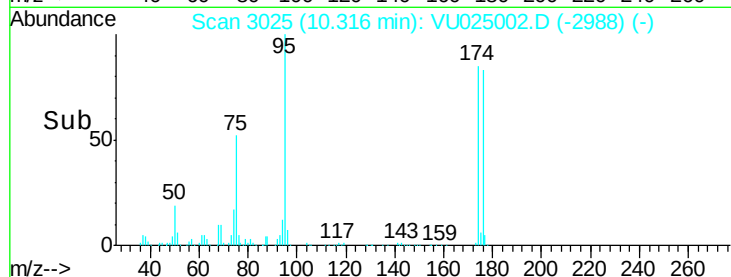
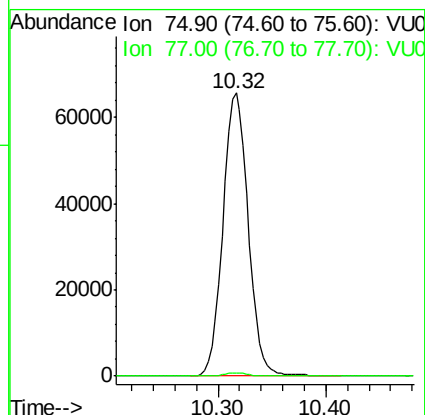
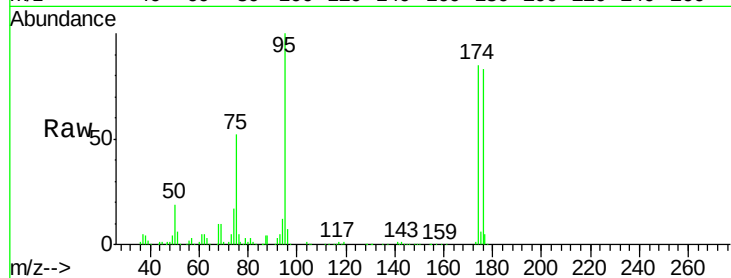
DUP-0477-180621ME

Tgt Ion: 75 Resp: 106756

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.214 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.20 min

Lab File: VU025002.D

Acq: 28 Jun 2018 06:11

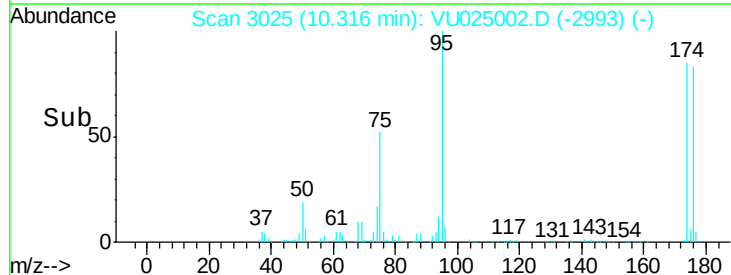
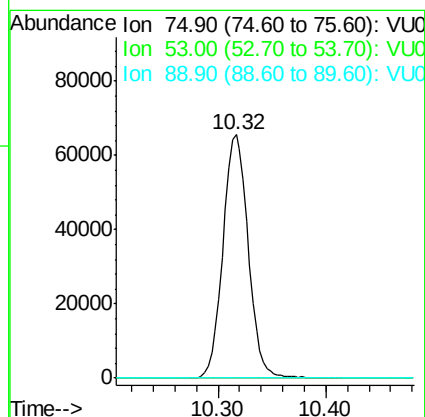
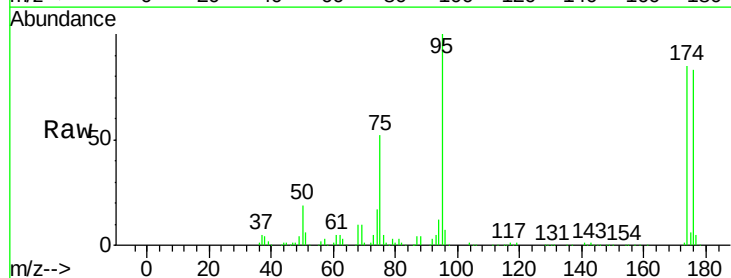
Tgt Ion: 75 Resp: 106756

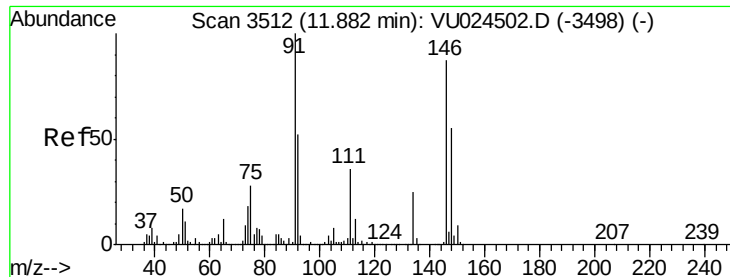
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

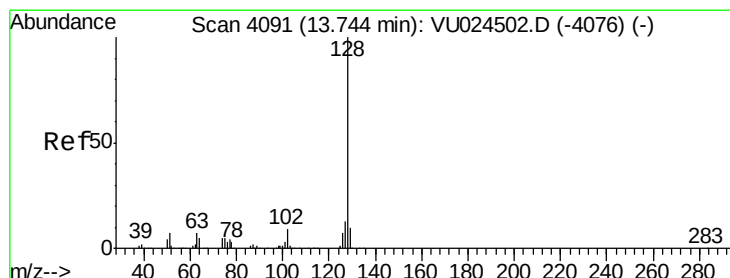
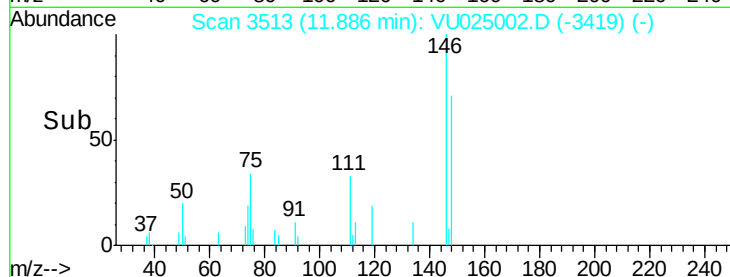
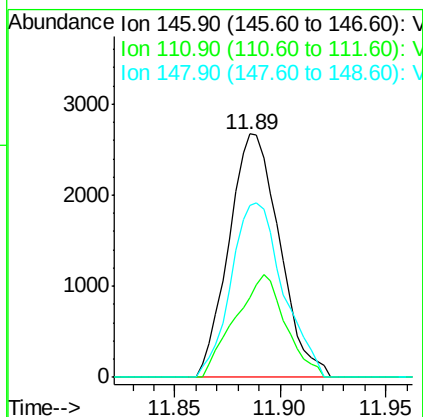
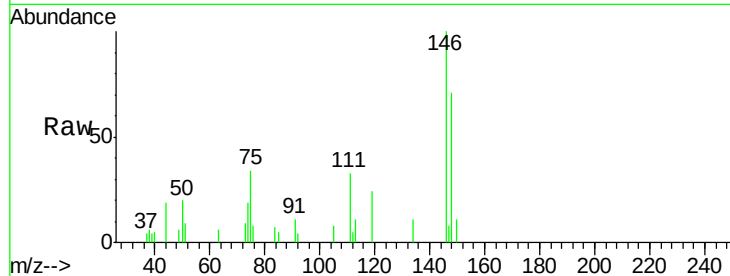




#91
 1,2-Dichlorobenzene
 Concen: 0.653 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025002.D
 Acq: 28 Jun 2018 06:11

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0477-180621ME

Tgt Ion:146 Resp: 4454
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.5 61.6
 148 73.5 31.9 95.7



#95
 Naphthalene
 Concen: 0.704 ug/l
 RT: 13.77 min Scan# 4100
 Delta R.T. 0.03 min
 Lab File: VU025002.D
 Acq: 28 Jun 2018 06:11

Tgt Ion:128 Resp: 355
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.6 12.8#

