

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025244.D
 Acq On : 06 Jul 2018 16:49
 Operator : MD/SY
 Sample : J3808-15DL 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW465-180628DL

Quant Time: Jul 06 23:30:09 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

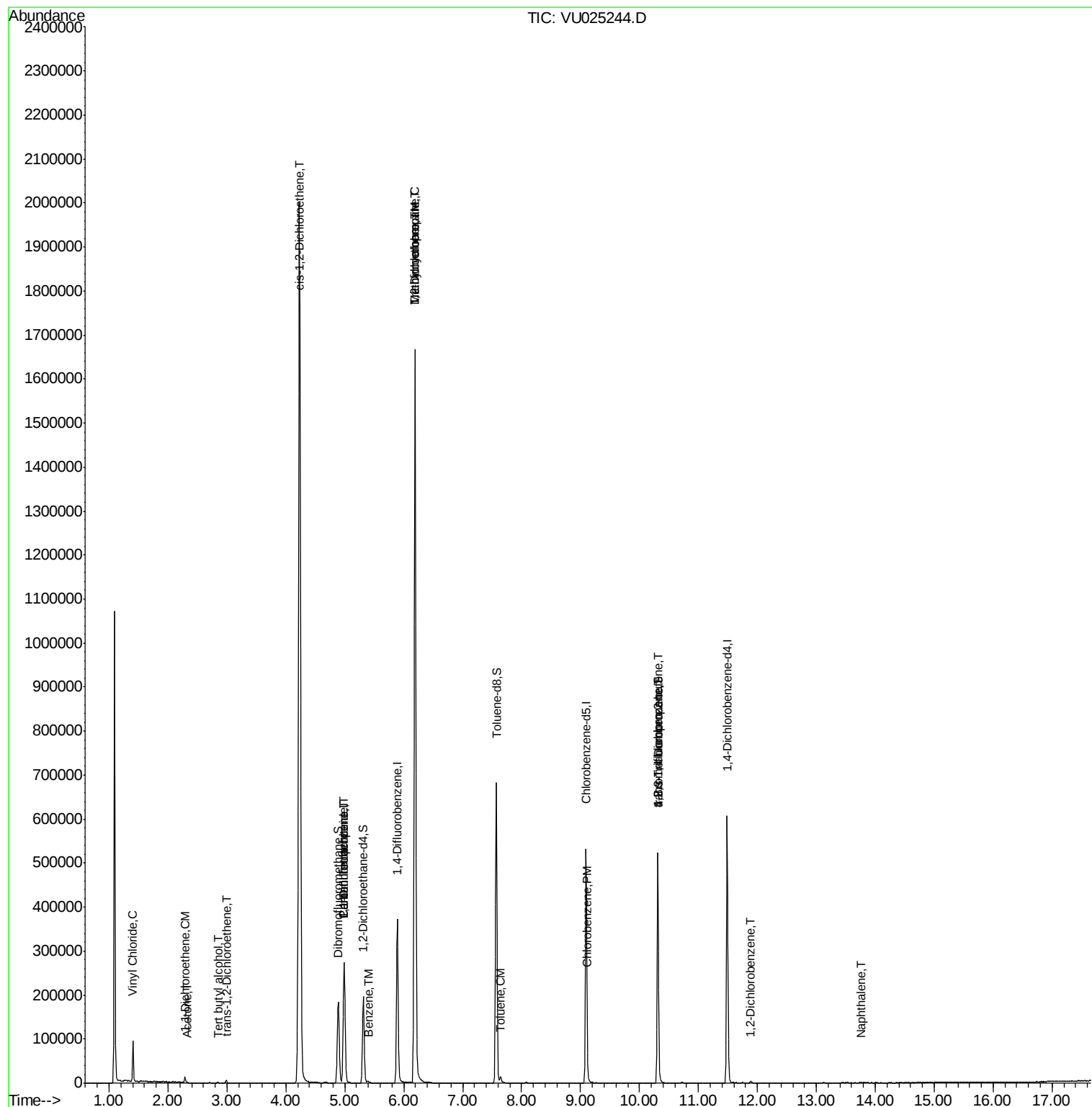
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	213454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	317313	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	298065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	160330	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	158111	45.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.74%	
35) Dibromofluoromethane	4.89	113	124624	47.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.64%	
50) Toluene-d8	7.57	98	457922	47.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.34%	
62) 4-Bromofluorobenzene	10.31	95	172329	45.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.36%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.41	62	58186	20.670	ug/l	100
11) Tert butyl alcohol	2.84	59	410	0.484	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	4264	1.754	ug/l	95
16) Acetone	2.33	43	918	0.490	ug/l #	87
21) trans-1,2-Dichloroethene	2.99	96	2097	0.783	ug/l	87
27) cis-1,2-Dichloroethene	4.23	96	1120631	364.129	ug/l	89
31) Cyclohexane	4.99	56	4390	Below Cal	#	4
36) 1,1-Dichloropropene	4.99	75	15477	4.151	ug/l #	50
38) Carbon Tetrachloride	4.99	117	20826	5.079	ug/l #	16
39) Methylcyclohexane	6.19	83	6670	1.433	ug/l #	1
40) Benzene	5.40	78	3405	0.320	ug/l	92
44) Trichloroethene	6.19	130	594555	196.627	ug/l	95
45) 1,2-Dichloropropane	6.19	63	2045	0.721	ug/l #	1
52) Toluene	7.64	92	5456	0.798	ug/l	99
65) Chlorobenzene	9.12	112	2228	0.293	ug/l	96
76) 1,2,3-Trichloropropane	10.31	75	89784	25.435	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	89784	58.868	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	2001	0.347	ug/l	97
95) Naphthalene	13.77	128	627	0.732	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025244.D

Acq: 06 Jul 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

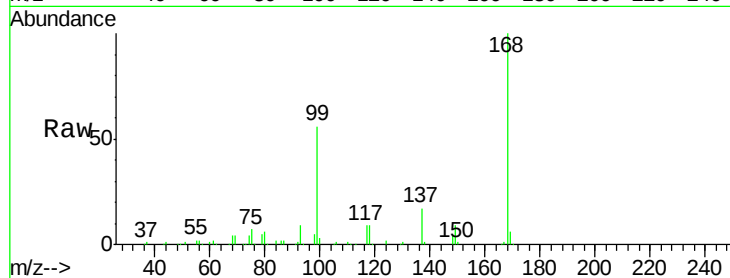
WP021IW465-180628DL

Tot Ion:168 Resp: 213454

Ion Ratio Lower Upper

168 100

99 55.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

100000

80000

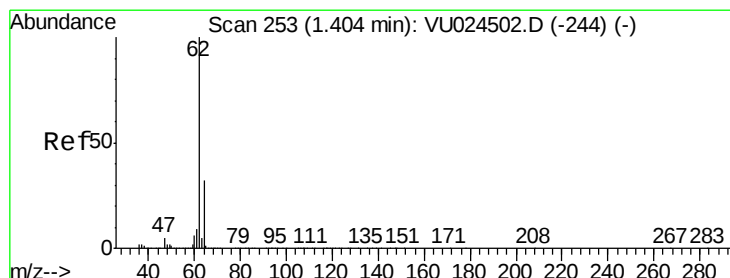
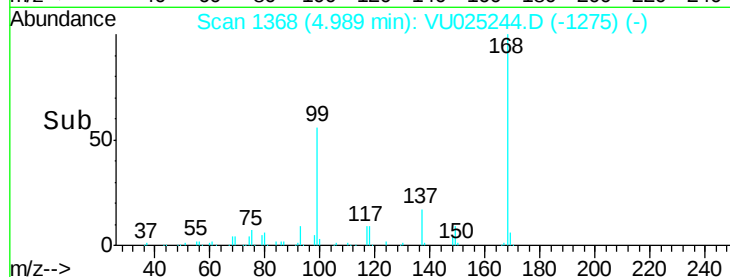
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.670 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025244.D

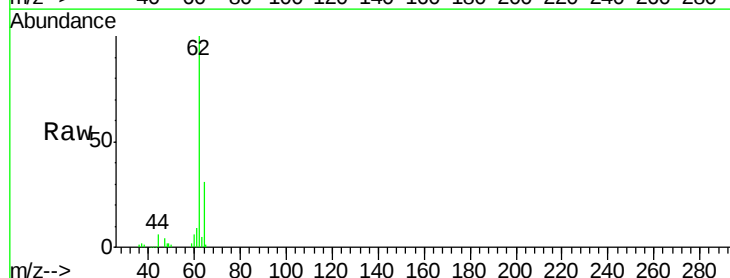
Acq: 06 Jul 2018 16:49

Tgt Ion: 62 Resp: 58186

Ion Ratio Lower Upper

62 100

64 30.9 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.41

60000

50000

40000

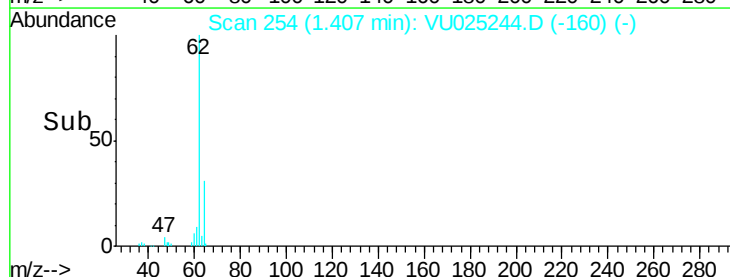
30000

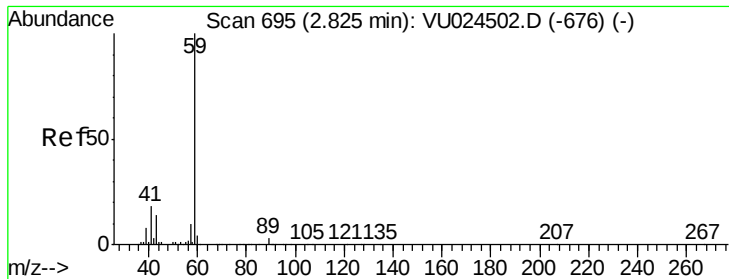
20000

10000

0

Time-->



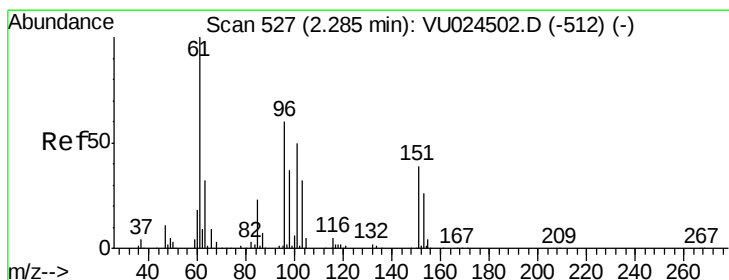
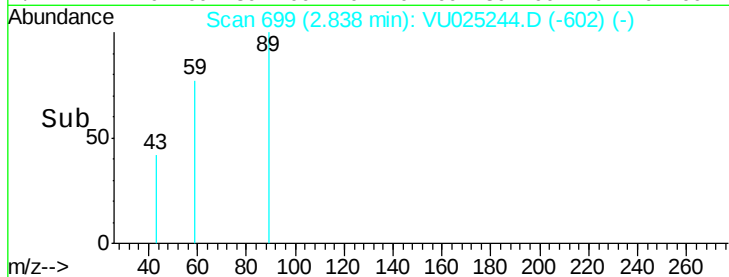
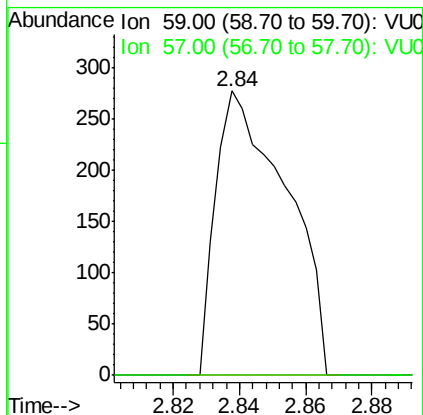
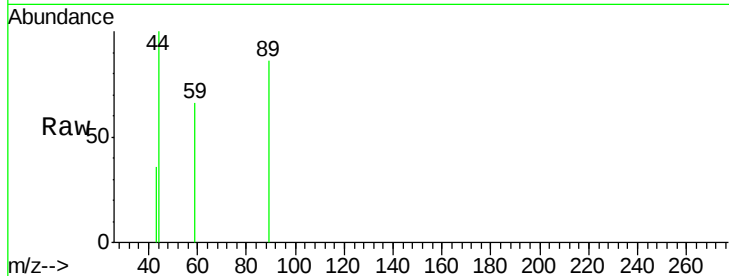


#11

Tert butyl alcohol
 Concen: 0.484 ug/l
 RT: 2.84 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: VU025244.D
 Acq: 06 Jul 2018 16:49

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW465-180628DL

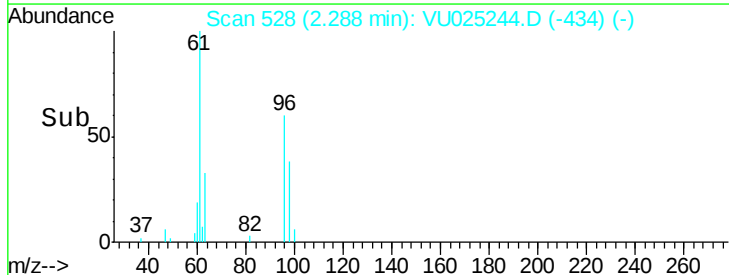
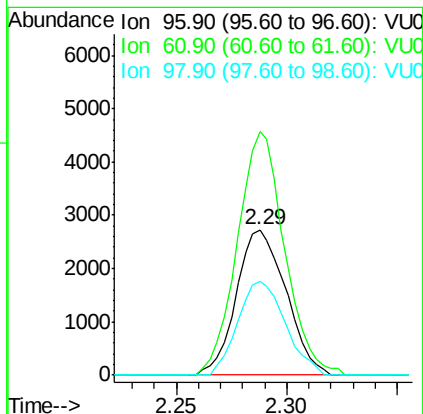
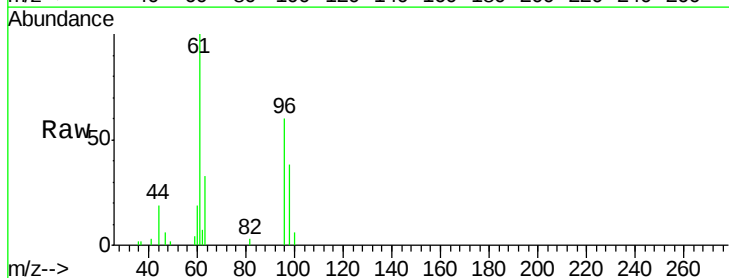
Tot Ion: 59 Resp: 410
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

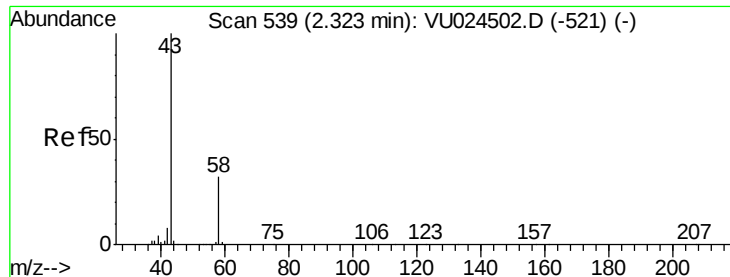


#12

1,1-Dichloroethene
 Concen: 1.754 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU025244.D
 Acq: 06 Jul 2018 16:49

Tgt Ion: 96 Resp: 4264
 Ion Ratio Lower Upper
 96 100
 61 167.2 141.7 212.5
 98 64.2 51.6 77.4





#16

Acetone

Concen: 0.490 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025244.D

Acq: 06 Jul 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

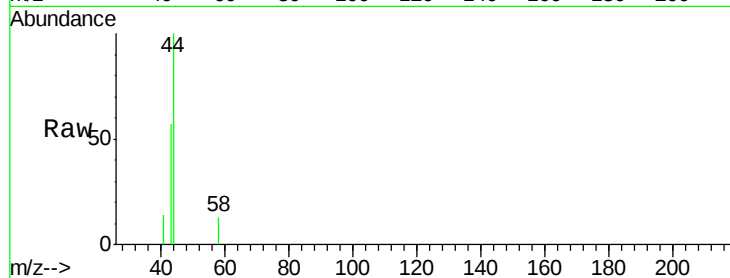
WP021IW465-180628DL

Tot Ion: 43 Resp: 918

Ion Ratio Lower Upper

43 100

58 23.3 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.33

400

300

200

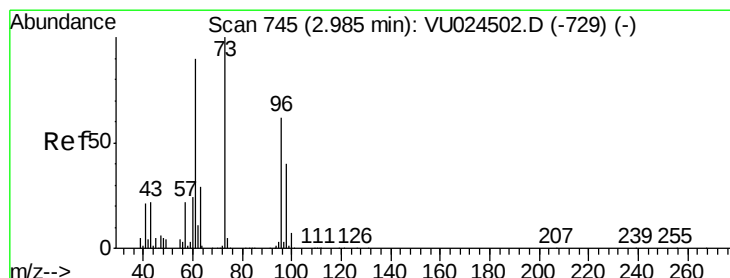
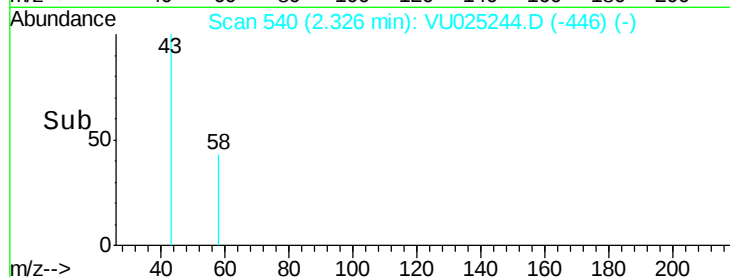
100

0

2.30

2.35

Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.783 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025244.D

Acq: 06 Jul 2018 16:49

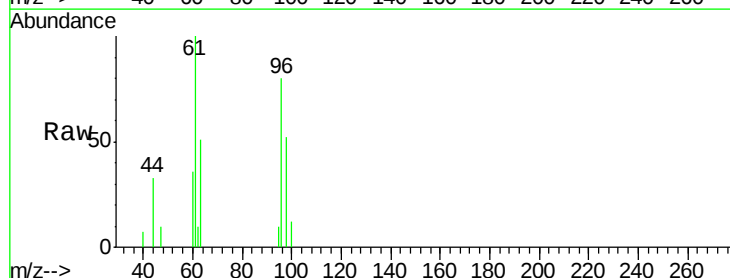
Tgt Ion: 96 Resp: 2097

Ion Ratio Lower Upper

96 100

61 125.6 119.4 179.0

98 64.9 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

2.99

1500

1000

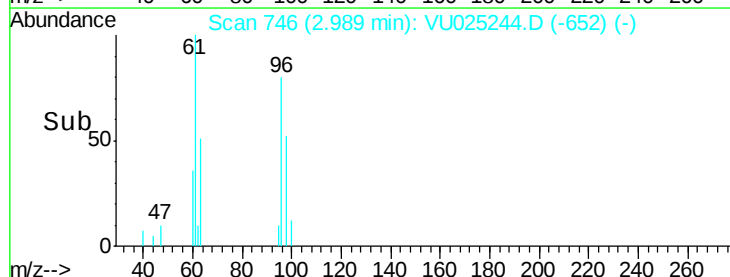
500

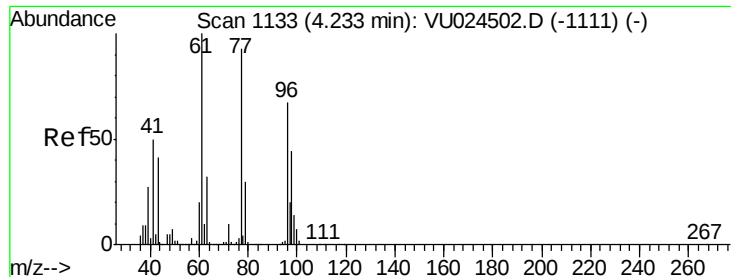
0

2.95

3.00

Time-->





#27

cis-1,2-Dichloroethene

Concen: 364.129 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025244.D

Acq: 06 Jul 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628DL

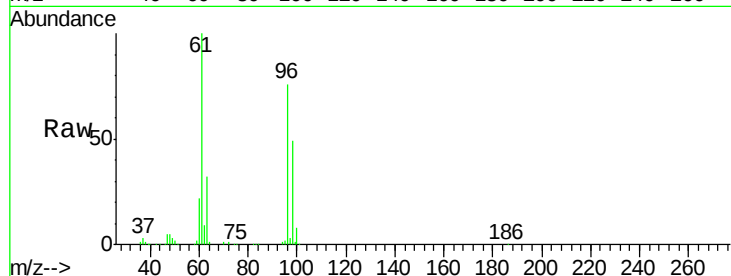
Tot Ion: 96 Resp: 1120631

Ion Ratio Lower Upper

96 100

61 133.0 0.0 306.6

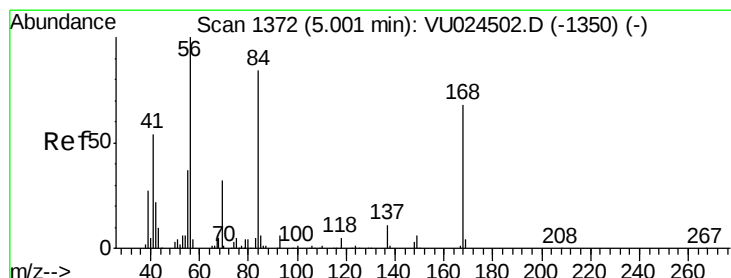
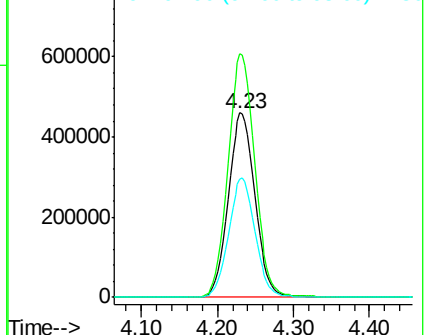
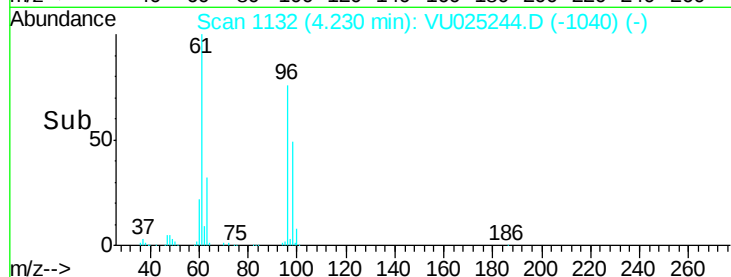
98 64.3 0.0 128.8



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: VU025244.D

Acq: 06 Jul 2018 16:49

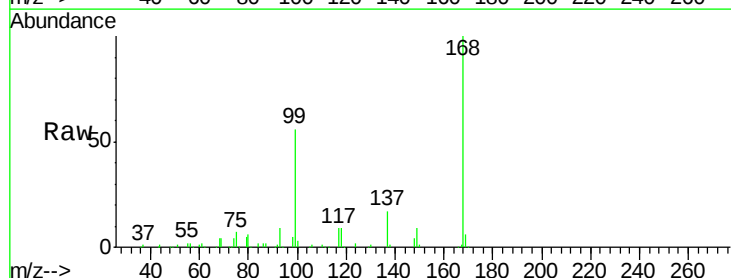
Tgt Ion: 56 Resp: 4390

Ion Ratio Lower Upper

56 100

69 169.7 24.8 37.2#

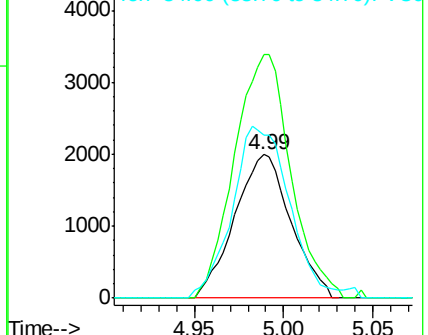
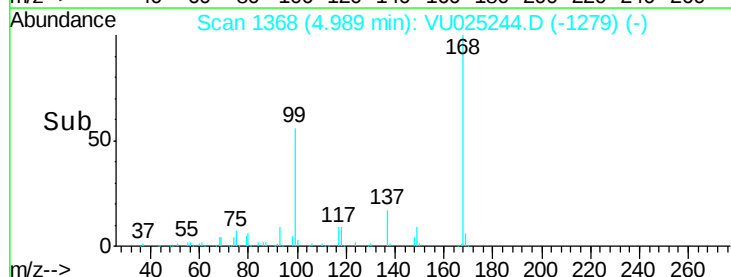
84 113.6 65.2 97.8#

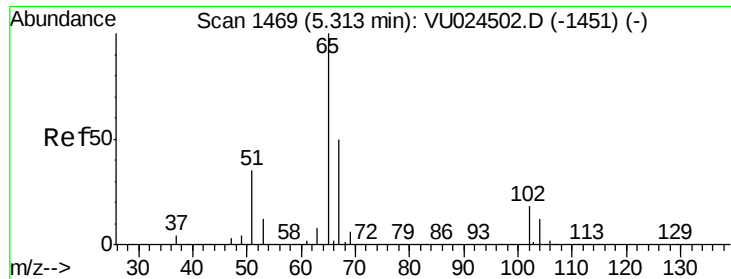


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#33

1,2-Dichloroethane-d4

Concen: 45.373 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025244.D

Acq: 06 Jul 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

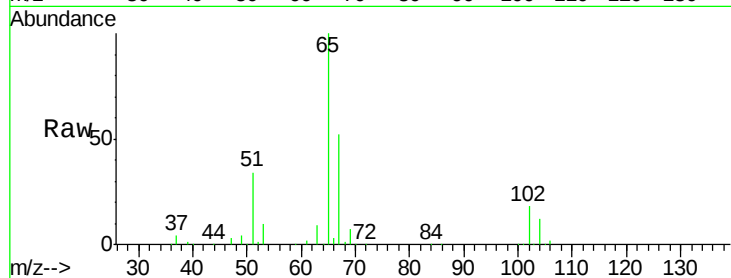
WP021IW465-180628DL

Tot Ion: 65 Resp: 158111

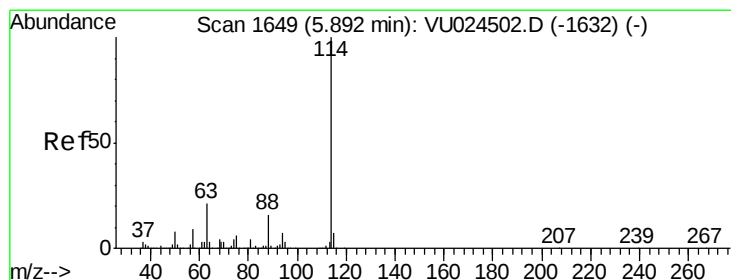
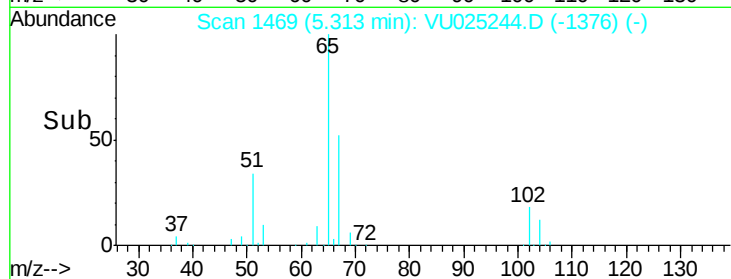
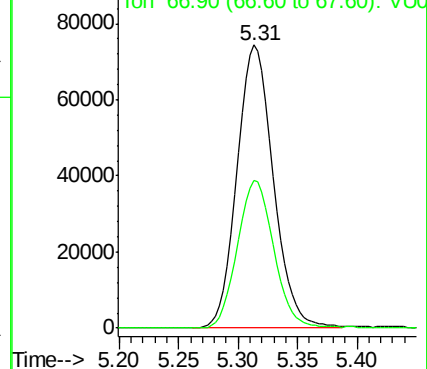
Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU025244.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025244.D

Acq: 06 Jul 2018 16:49

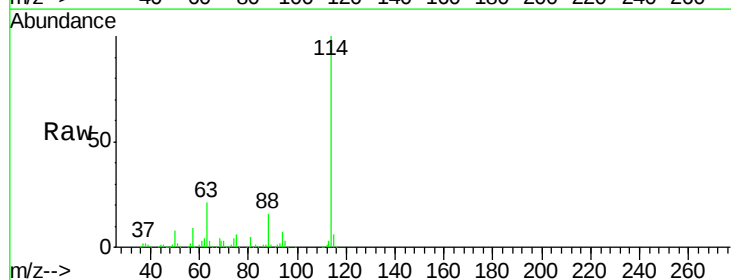
Tgt Ion: 114 Resp: 317313

Ion Ratio Lower Upper

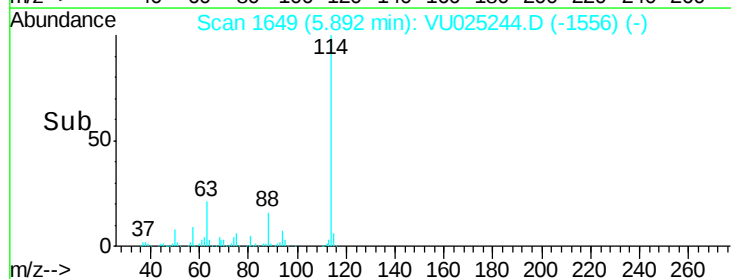
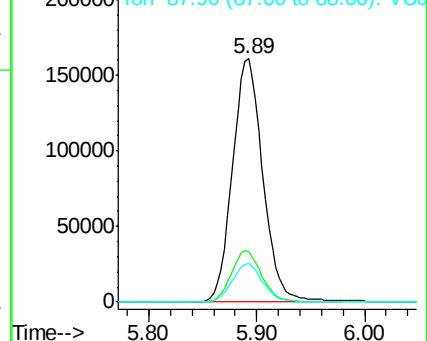
114 100

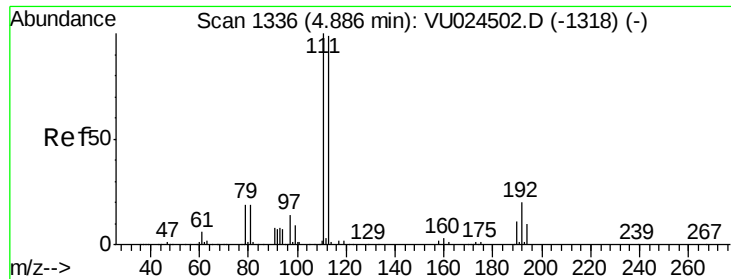
63 20.6 0.0 45.4

88 15.9 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU025244.D (-1556) (-)

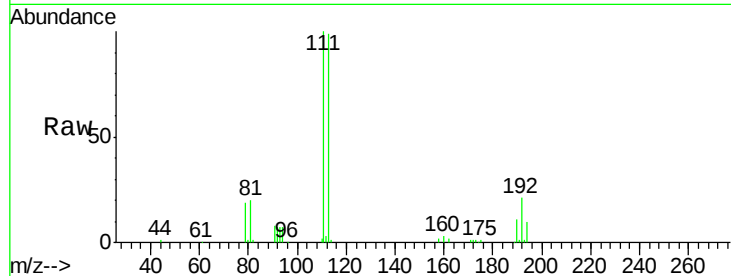




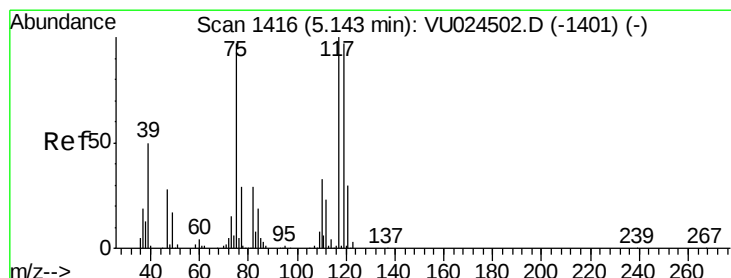
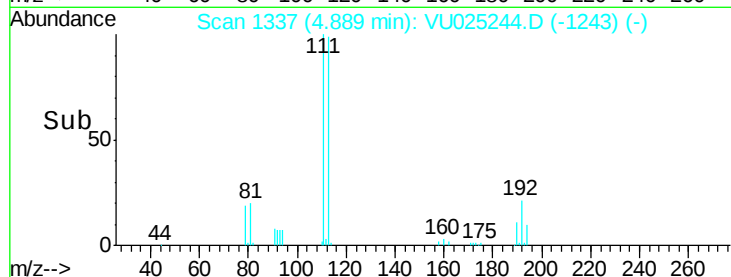
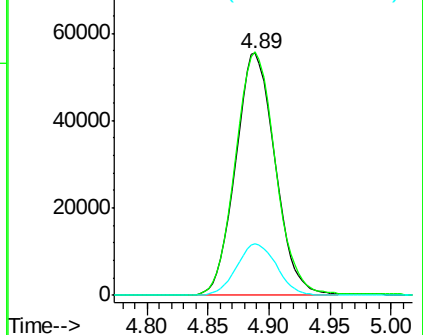
#35
 Dibromofluoromethane
 Concen: 47.323 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025244.D
 Acq: 06 Jul 2018 16:49

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW465-180628DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	21.5	16.2	24.4

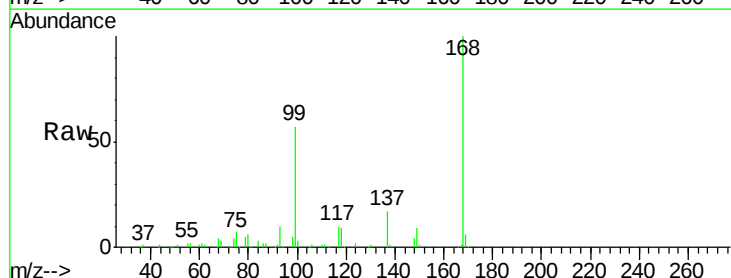


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

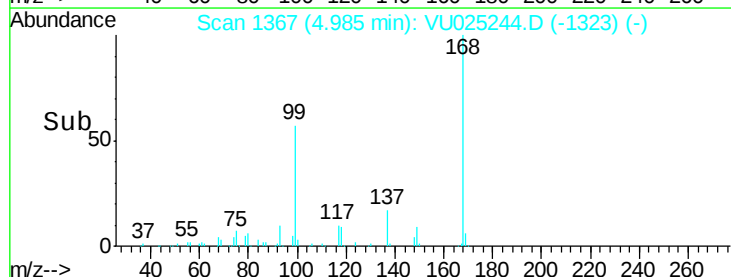
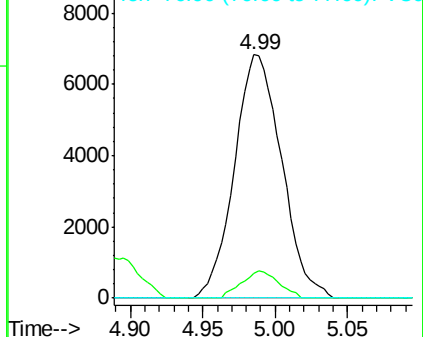


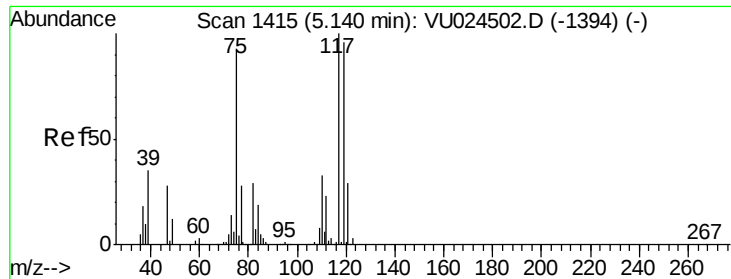
#36
 1,1-Dichloropropene
 Concen: 4.151 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025244.D
 Acq: 06 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.0	50.9#
77	0.0	24.2	36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

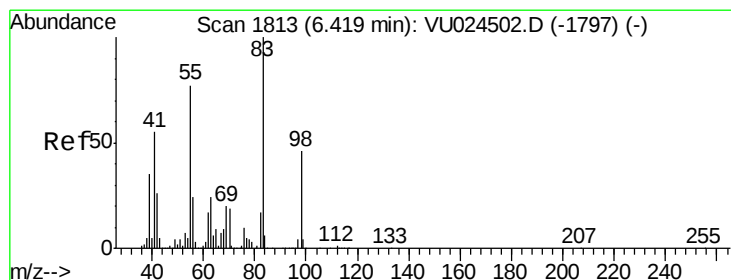
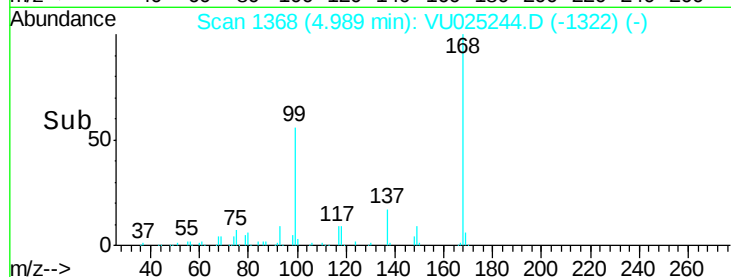
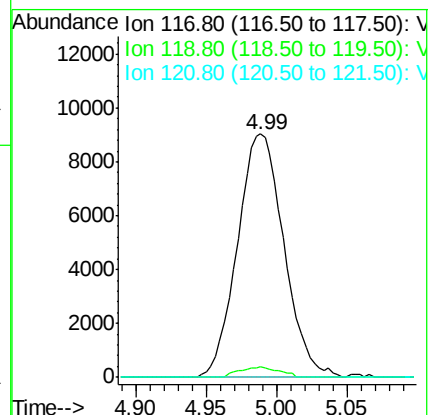
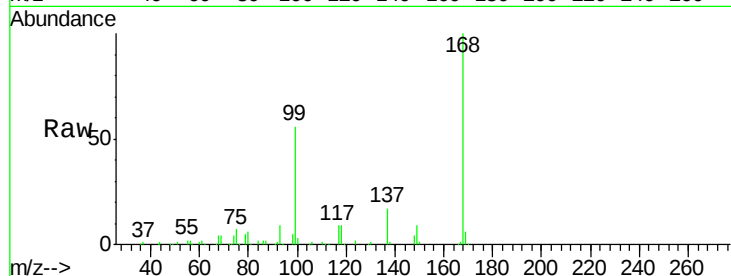




#38
Carbon Tetrachloride
Concen: 5.079 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025244.D
Acq: 06 Jul 2018 16:49

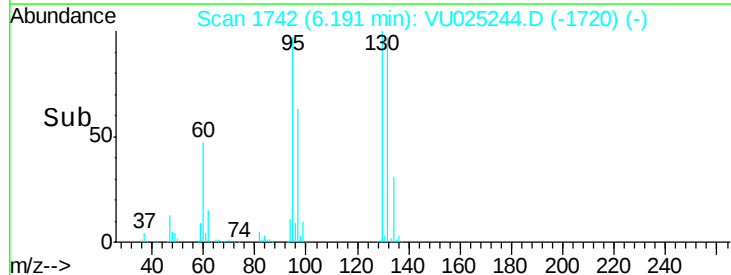
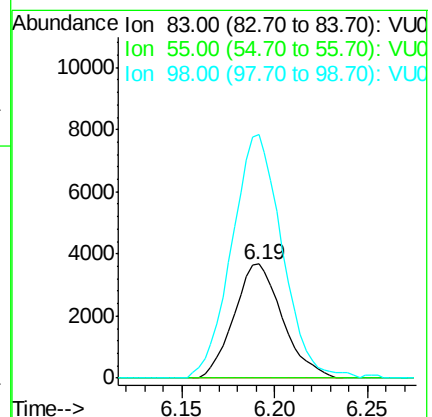
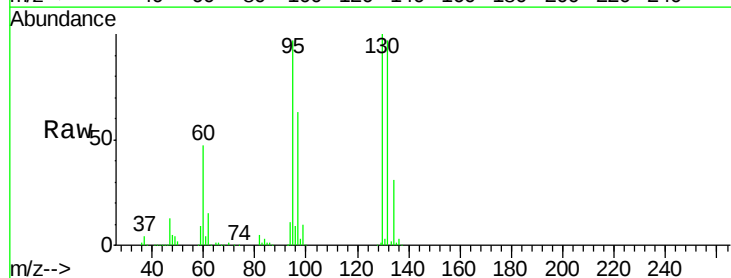
Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628DL

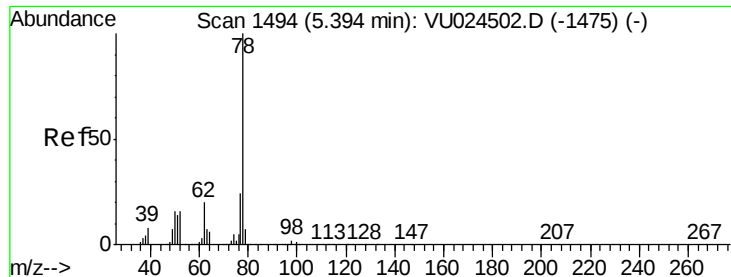
Tot Ion:117 Resp: 20826
Ion Ratio Lower Upper
117 100
119 4.2 76.1 114.1#
121 0.0 23.7 35.5#



#39
Methylcyclohexane
Concen: 1.433 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.23 min
Lab File: VU025244.D
Acq: 06 Jul 2018 16:49

Tgt Ion: 83 Resp: 6670
Ion Ratio Lower Upper
83 100
55 0.0 65.8 98.6#
98 208.8 36.7 55.1#





#40

Benzene

Concen: 0.320 ug/l

RT: 5.40 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VU025244.D

Acq: 06 Jul 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

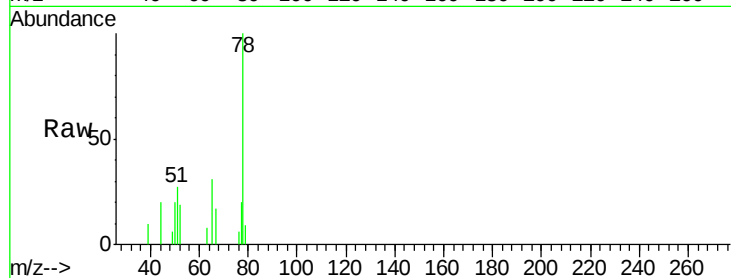
WP021IW465-180628DL

Tot Ion: 78 Resp: 3405

Ion Ratio Lower Upper

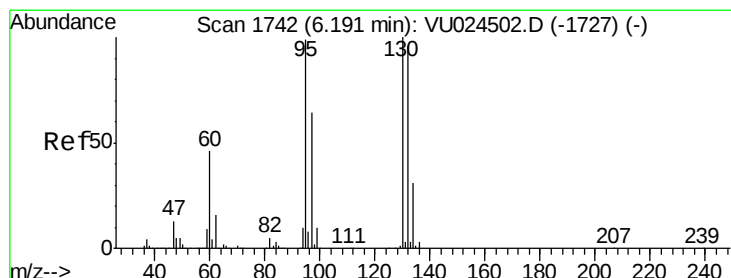
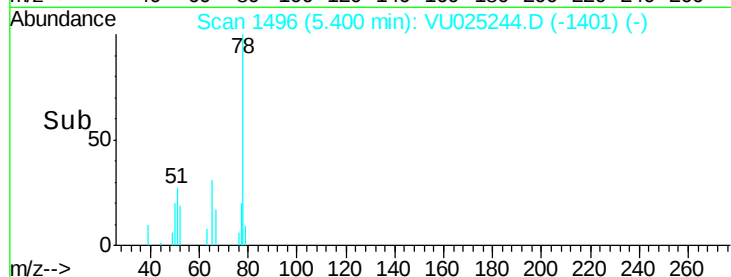
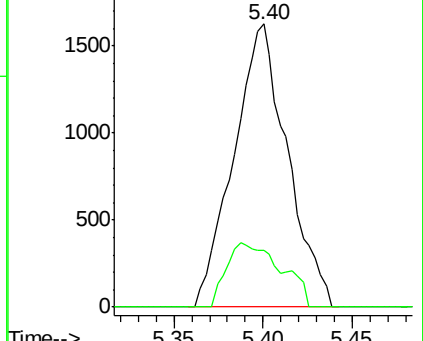
78 100

77 20.2 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

Trichloroethene

Concen: 196.627 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025244.D

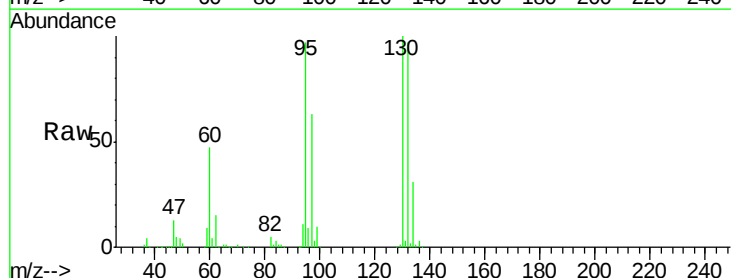
Acq: 06 Jul 2018 16:49

Tgt Ion:130 Resp: 594555

Ion Ratio Lower Upper

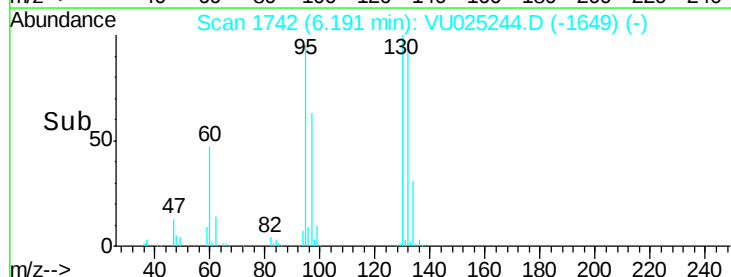
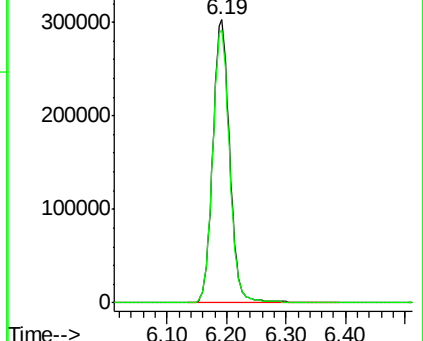
130 100

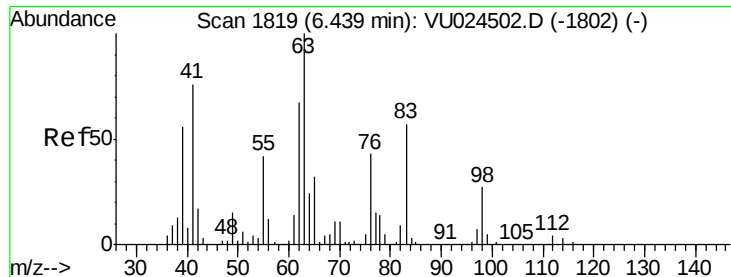
95 96.6 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 0.721 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.25 min

Lab File: VU025244.D

Acq: 06 Jul 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

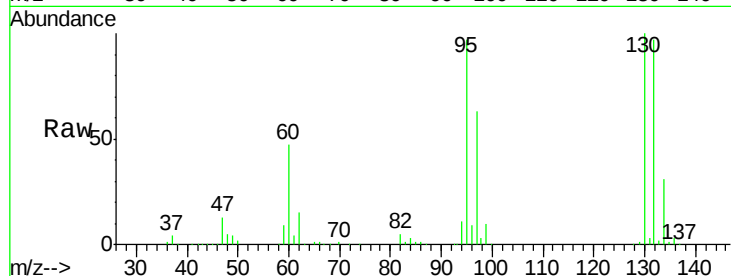
WP021IW465-180628DL

Tot Ion: 63 Resp: 2045

Ion Ratio Lower Upper

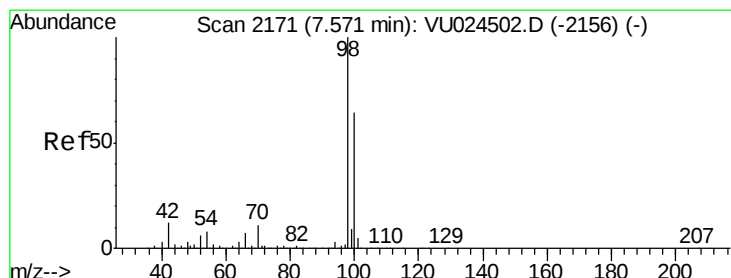
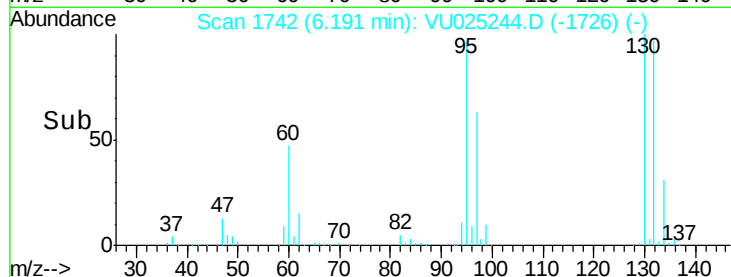
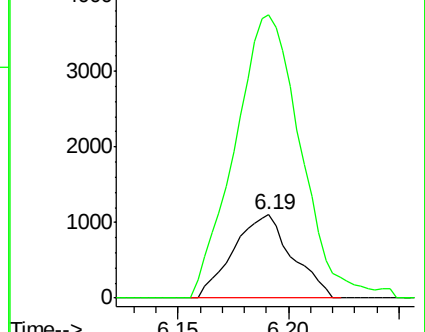
63 100

65 338.9 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#50

Toluene-d8

Concen: 47.672 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025244.D

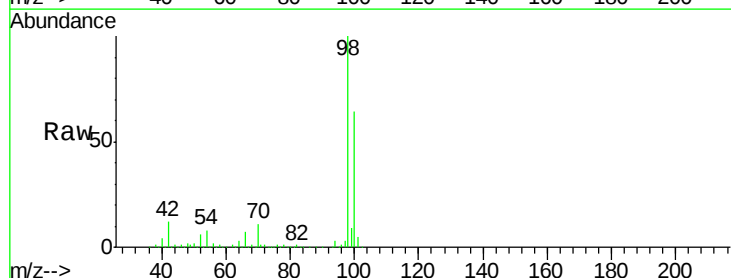
Acq: 06 Jul 2018 16:49

Tgt Ion: 98 Resp: 457922

Ion Ratio Lower Upper

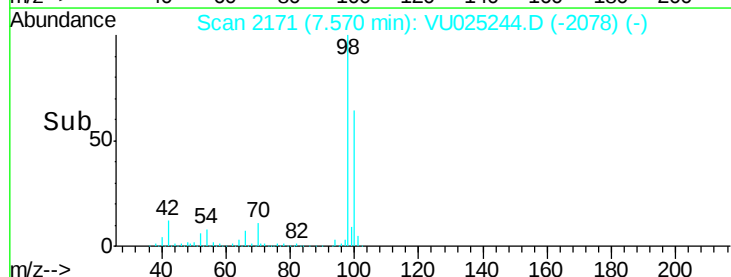
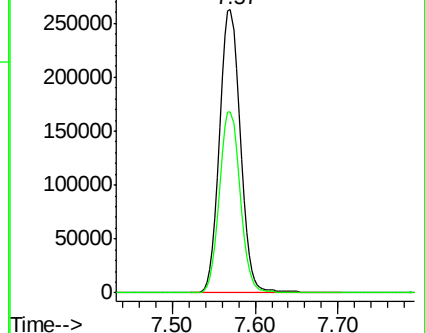
98 100

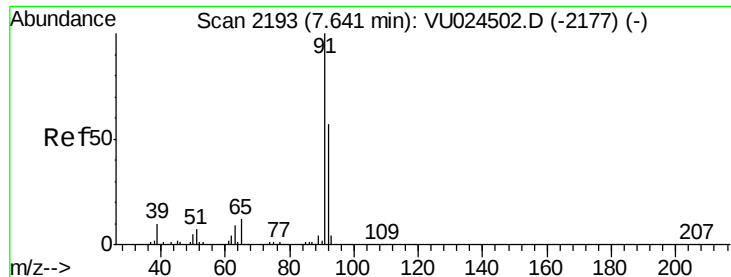
100 63.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Toluene

Concen: 0.798 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU025244.D

Acq: 06 Jul 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

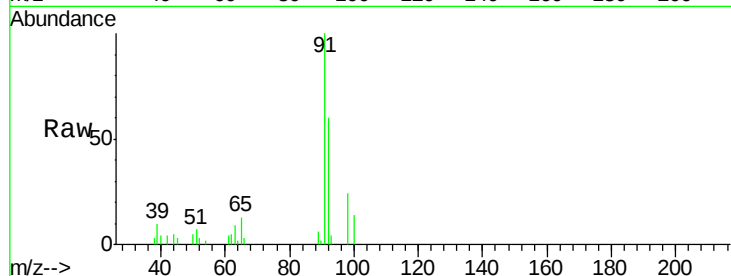
WP021IW465-180628DL

Tot Ion: 92 Resp: 5456

Ion Ratio Lower Upper

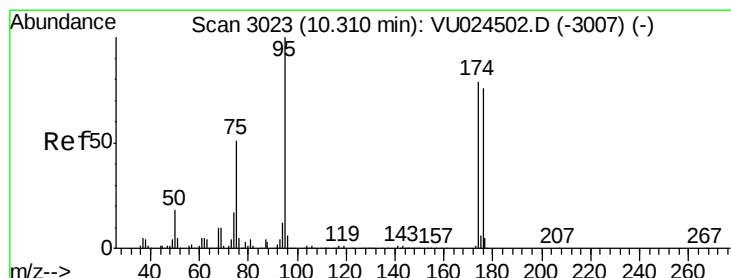
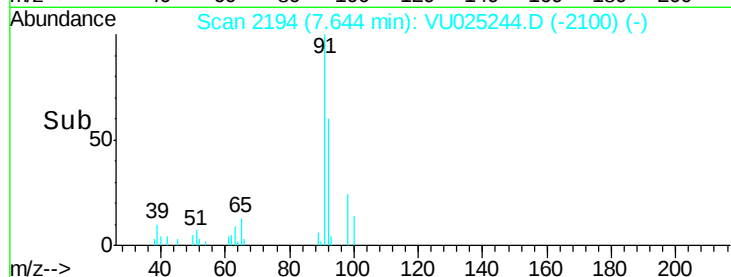
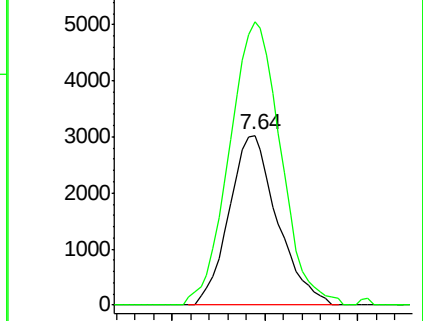
92 100

91 177.0 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 45.185 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025244.D

Acq: 06 Jul 2018 16:49

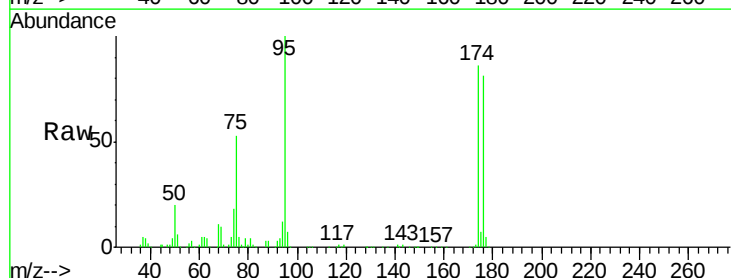
Tgt Ion: 95 Resp: 172329

Ion Ratio Lower Upper

95 100

174 86.7 0.0 165.8

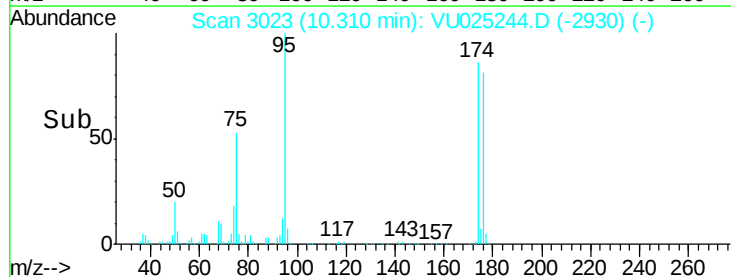
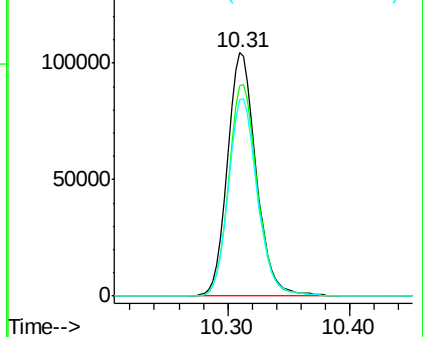
176 82.0 0.0 159.4

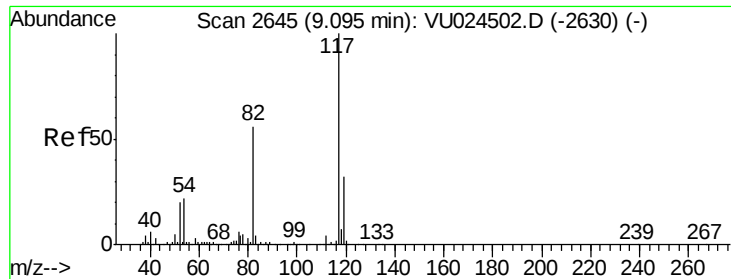


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

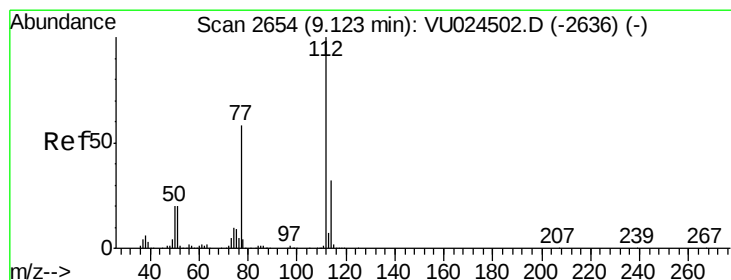
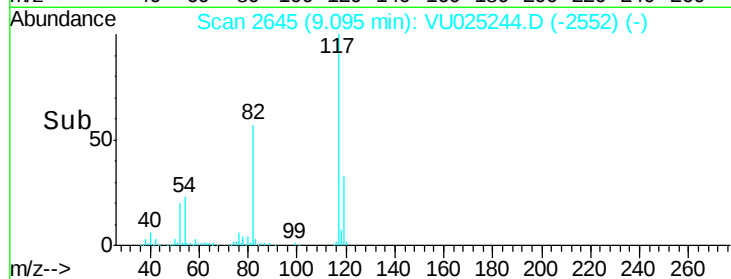
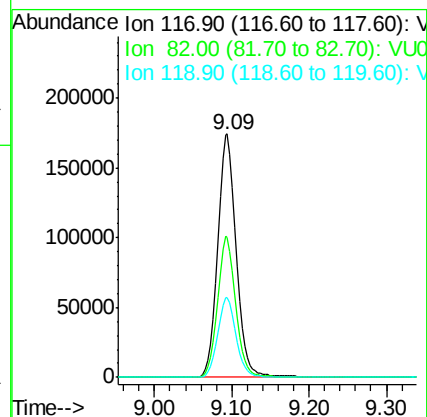
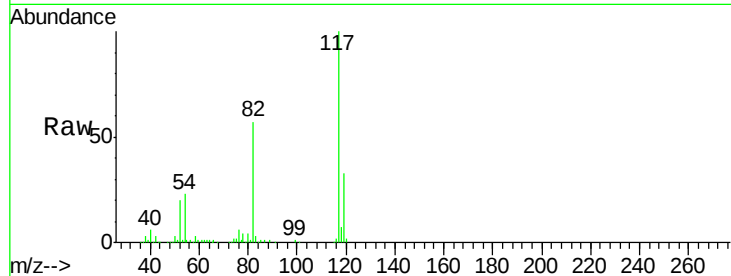




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025244.D
Acq: 06 Jul 2018 16:49

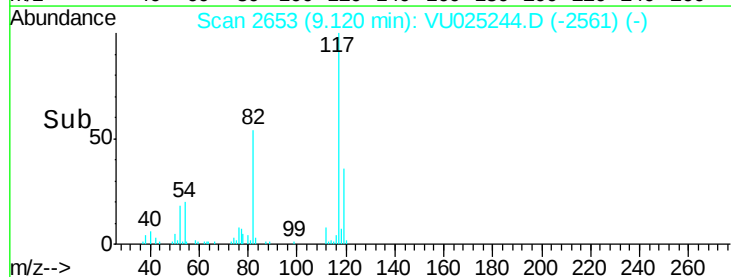
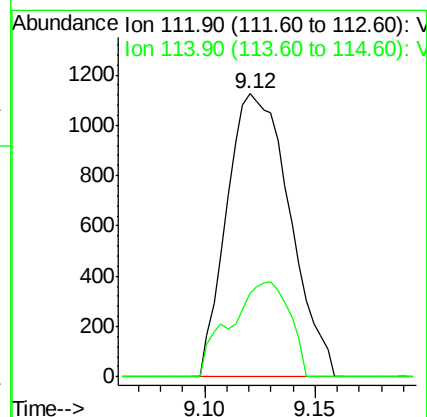
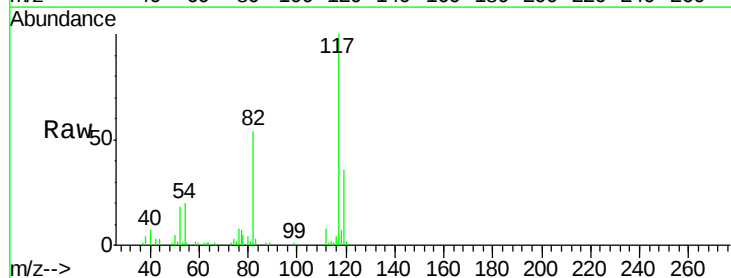
Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628DL

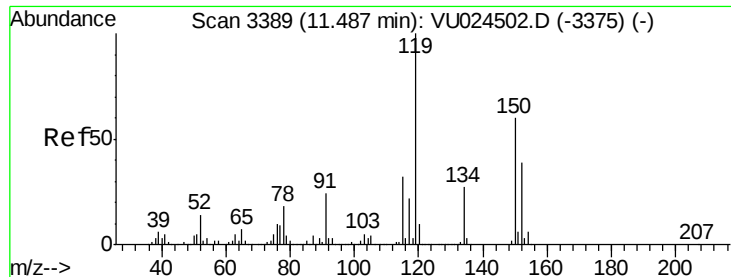
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.3	66.5
119	33.0	25.4	38.2



#65
Chlorobenzene
Concen: 0.293 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025244.D
Acq: 06 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.7	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025244.D

Acq: 06 Jul 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628DL

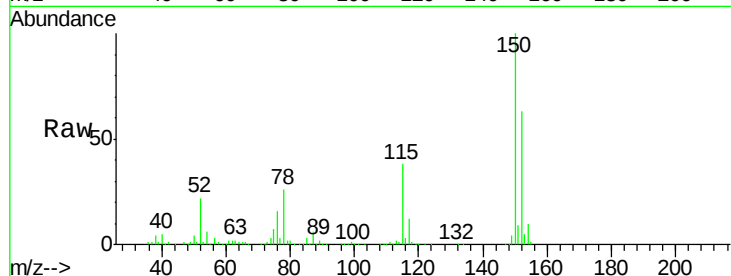
Tot Ion:152 Resp: 160330

Ion Ratio Lower Upper

152 100

115 58.5 43.0 129.0

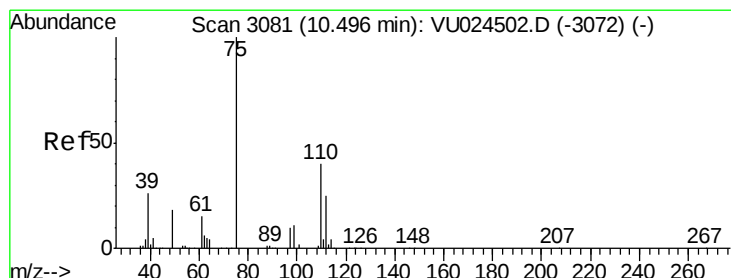
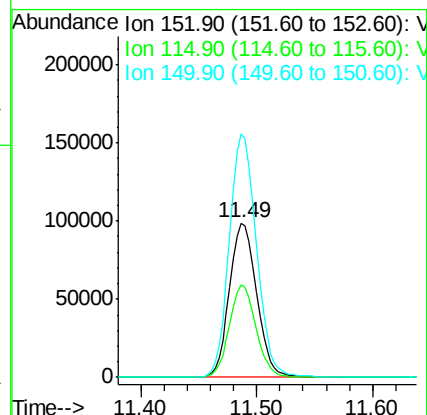
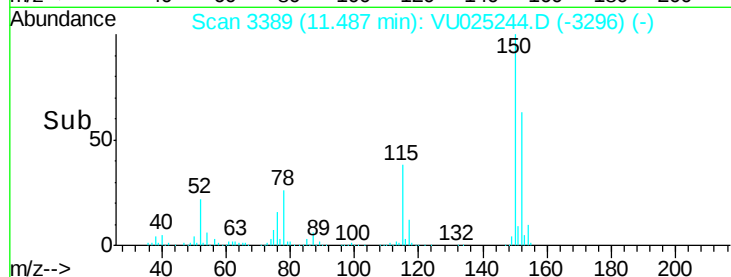
150 157.1 0.0 354.0



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: 25.435 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025244.D

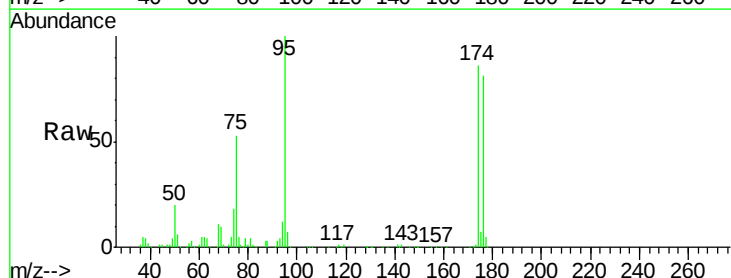
Acq: 06 Jul 2018 16:49

Tgt Ion: 75 Resp: 89784

Ion Ratio Lower Upper

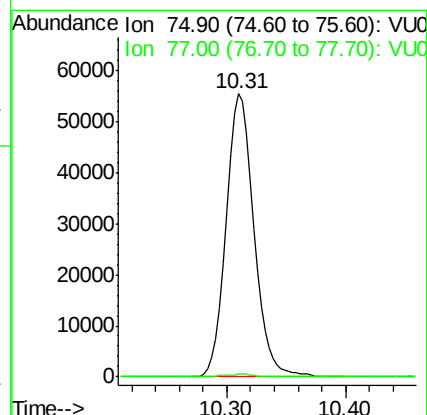
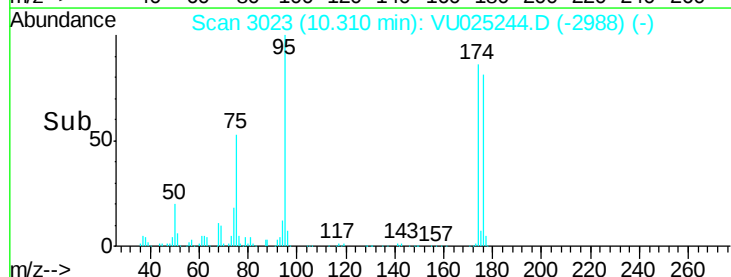
75 100

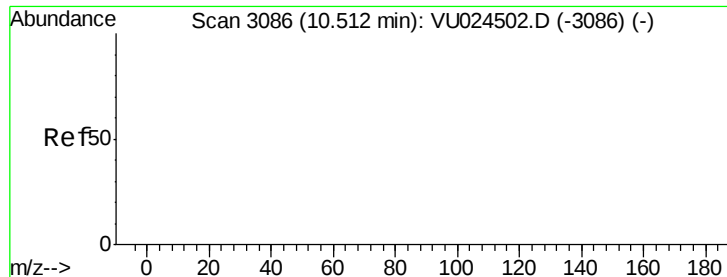
77 1.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

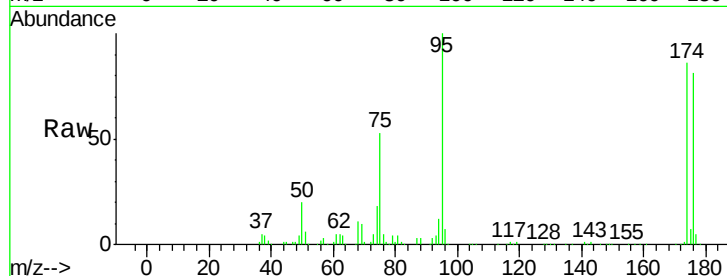




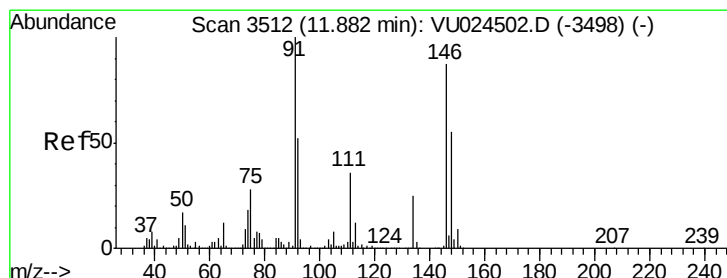
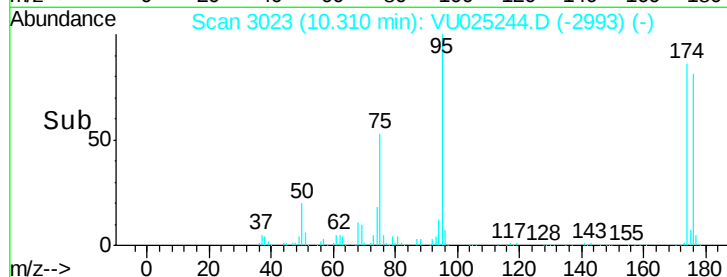
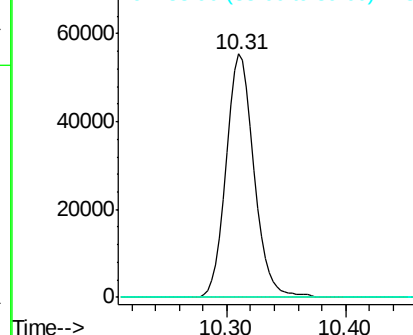
#81
trans-1,4-Dichloro-2-butene
Concen: 58.868 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU025244.D
Acq: 06 Jul 2018 16:49

Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628DL

Tot Ion: 75 Resp: 89784
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

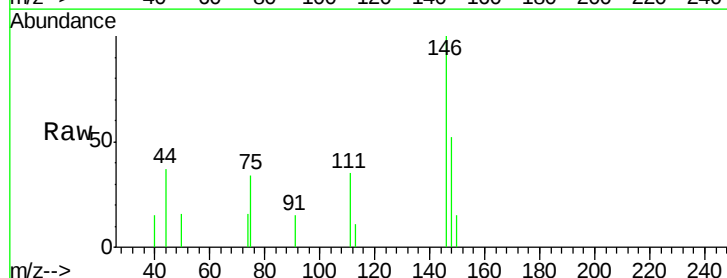


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

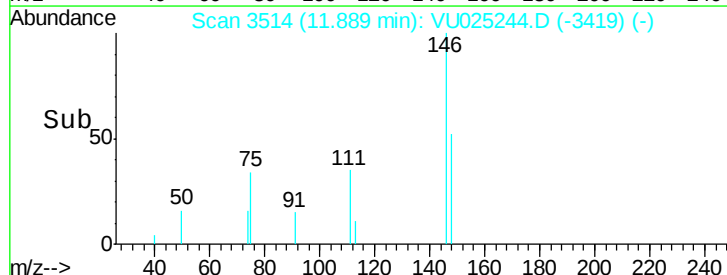
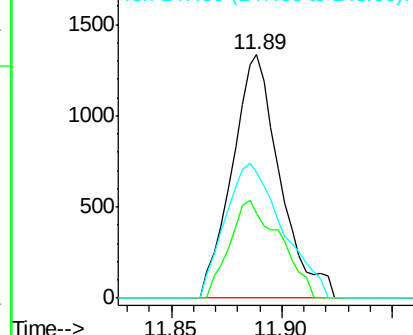


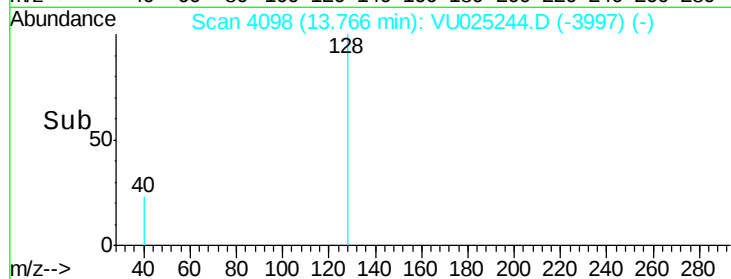
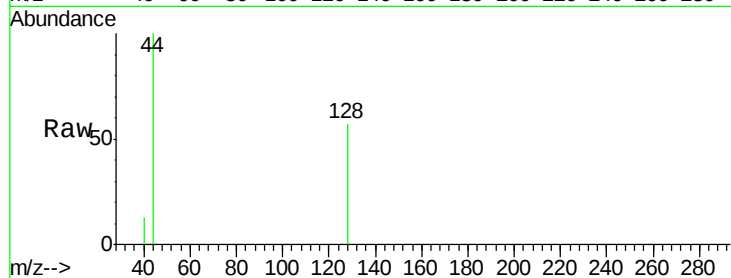
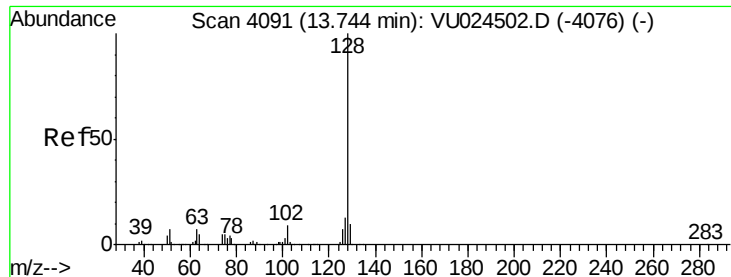
#91
1,2-Dichlorobenzene
Concen: 0.347 ug/l
RT: 11.89 min Scan# 3514
Delta R.T. 0.01 min
Lab File: VU025244.D
Acq: 06 Jul 2018 16:49

Tgt Ion: 146 Resp: 2001
Ion Ratio Lower Upper
146 100
111 42.2 20.5 61.6
148 66.3 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#95

Naphthalene

Concen: 0.732 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

Lab File: VU025244.D

Acq: 06 Jul 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628DL

Tot Ion:128 Resp: 627

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

