

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024944.D
 Acq On : 27 Jun 2018 01:10
 Operator : MD/SY
 Sample : J3669-25ME 10X
 Misc : 5.96g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB479-31-33-180620ME

Quant Time: Jun 27 04:18:16 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	213723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	323118	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	297817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157171	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	161640	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
35) Dibromofluoromethane	4.89	113	123666	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
50) Toluene-d8	7.57	98	467100	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	10.31	95	172309	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	

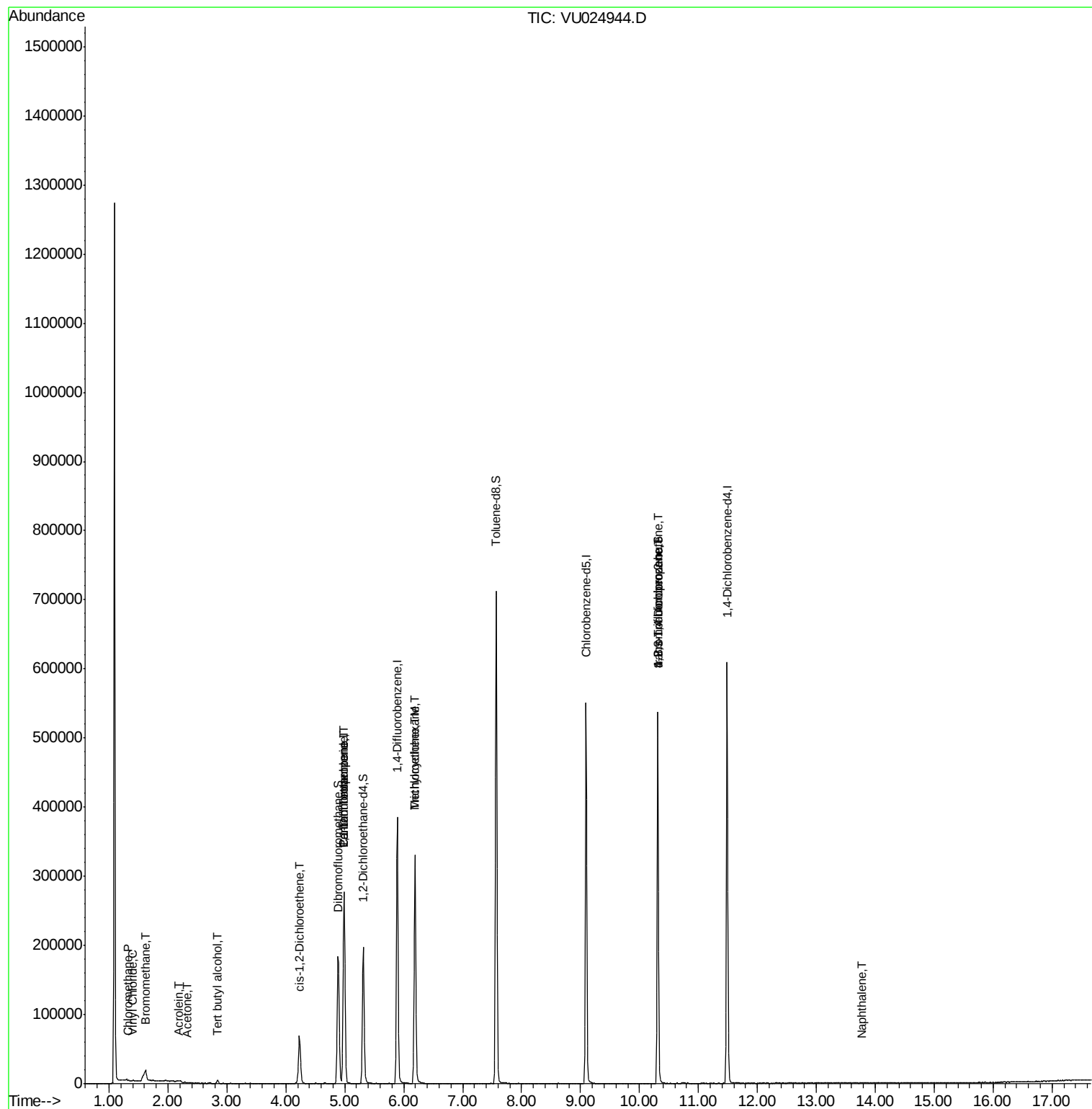
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	701	0.256	ug/l #	80
4) Vinyl Chloride	1.40	62	1105	0.392	ug/l	91
5) Bromomethane	1.63	94	526	0.386	ug/l	99
6) Chloroethane	1.73	64	43	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	2469	2.910	ug/l #	72
13) Acrolein	2.19	56	132	0.296	ug/l #	13
16) Acetone	2.32	43	963	0.514	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	37550	12.186	ug/l	90
31) Cyclohexane	4.99	56	4375	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16048	4.227	ug/l #	51
38) Carbon Tetrachloride	4.99	117	21120	5.058	ug/l #	15
39) Methylcyclohexane	6.19	83	1468	0.310	ug/l #	1
44) Trichloroethene	6.19	130	115996	37.672	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	89389	25.832	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	89389	59.787	ug/l #	100
95) Naphthalene	13.78	128	40	0.683	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: VU024944.D

Acq: 27 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

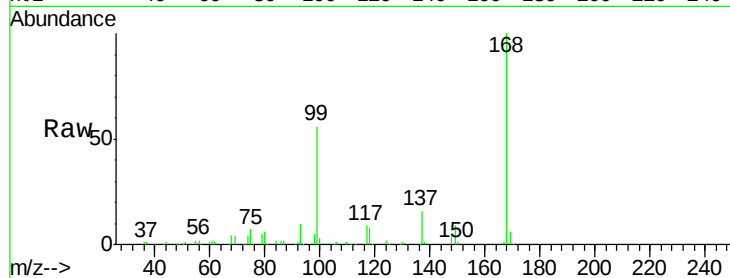
WP021SB479-31-33-180620ME

Tgt Ion:168 Resp: 213723

Ion Ratio Lower Upper

168 100

99 56.1 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) (-)

4.99

100000

80000

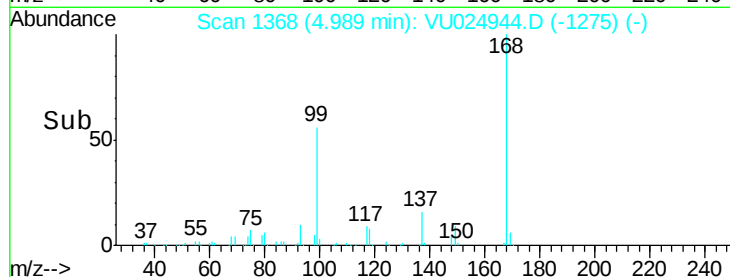
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.256 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024944.D

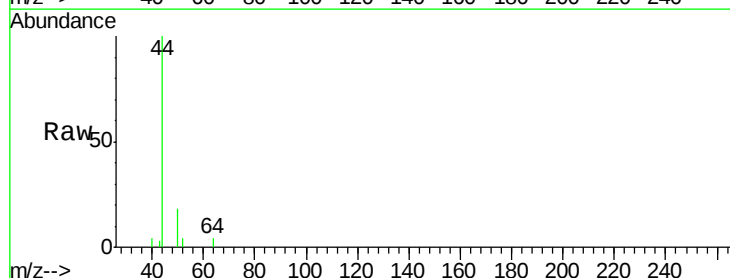
Acq: 27 Jun 2018 01:10

Tgt Ion: 50 Resp: 701

Ion Ratio Lower Upper

50 100

52 21.9 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) (-)

1.33

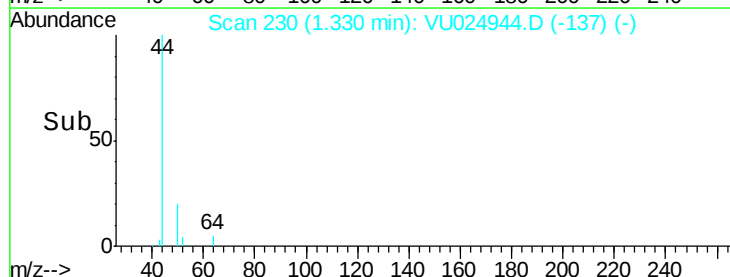
600

400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.392 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024944.D

Acq: 27 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

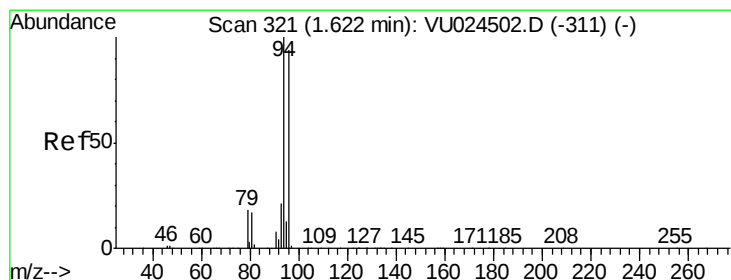
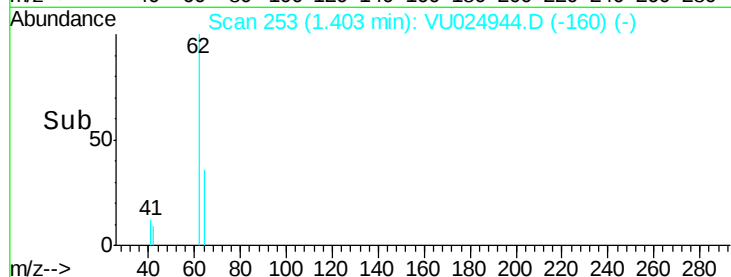
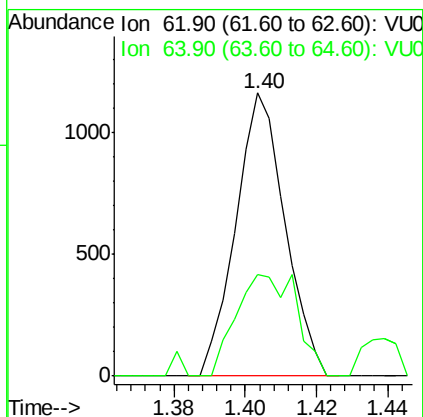
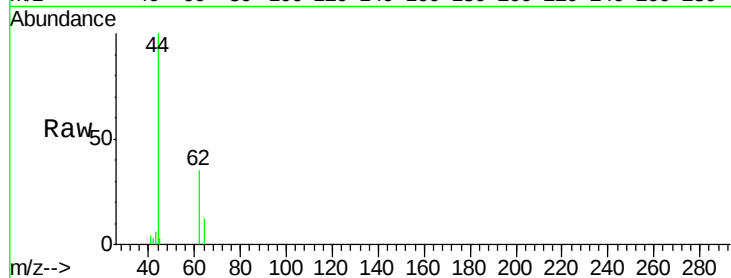
WP021SB479-31-33-180620ME

Tgt Ion: 62 Resp: 1105

Ion Ratio Lower Upper

62 100

64 35.7 24.8 37.2



#5

Bromomethane

Concen: 0.386 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024944.D

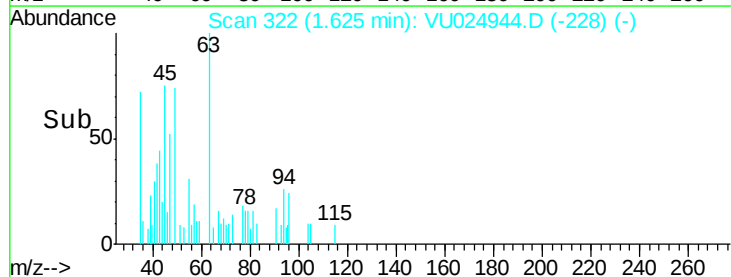
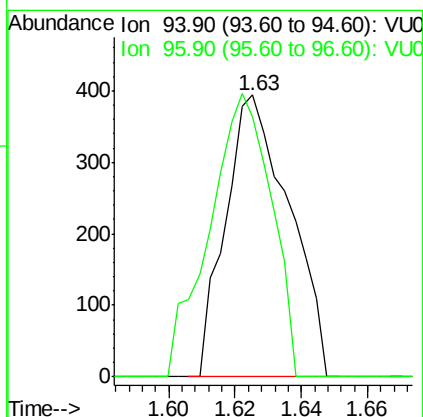
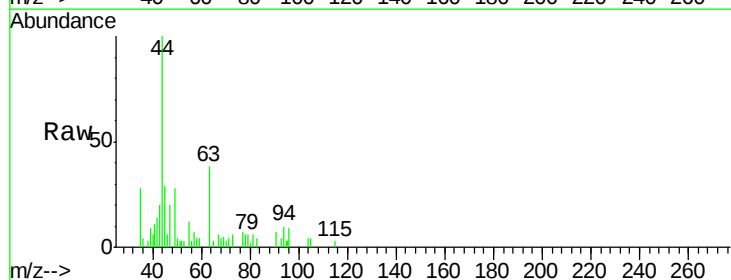
Acq: 27 Jun 2018 01:10

Tgt Ion: 94 Resp: 526

Ion Ratio Lower Upper

94 100

96 92.4 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 354

Delta R.T. 0.03 min

Lab File: VU024944.D

Acq: 27 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

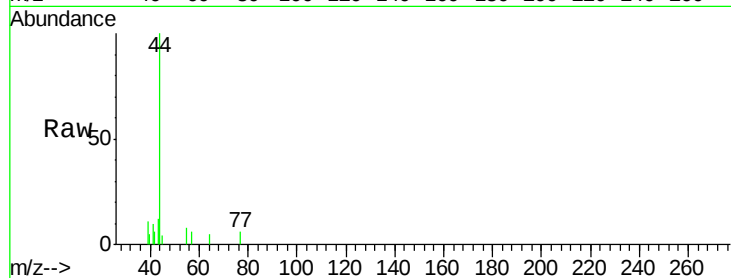
WP021SB479-31-33-180620ME

Tgt Ion: 64 Resp: 43

Ion Ratio Lower Upper

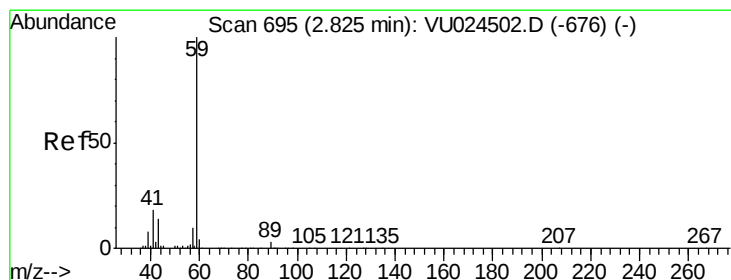
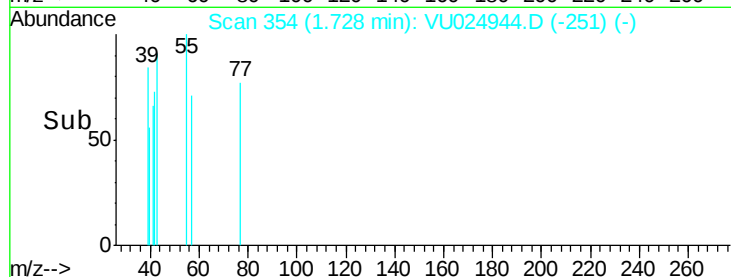
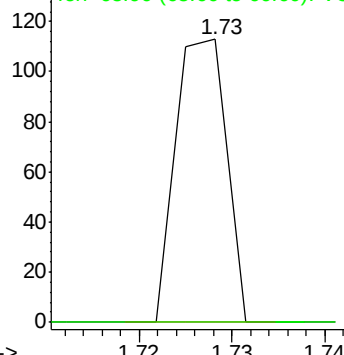
64 100

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



#11

Tert butyl alcohol

Concen: 2.910 ug/l

RT: 2.84 min Scan# 700

Delta R.T. 0.02 min

Lab File: VU024944.D

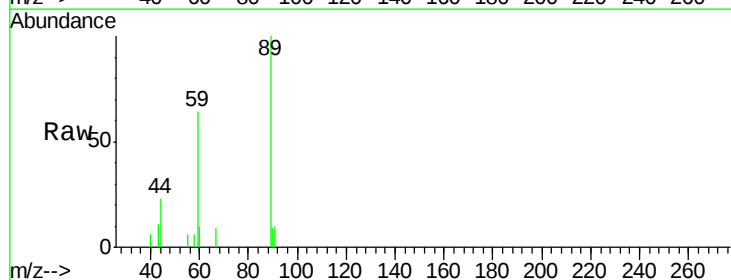
Acq: 27 Jun 2018 01:10

Tgt Ion: 59 Resp: 2469

Ion Ratio Lower Upper

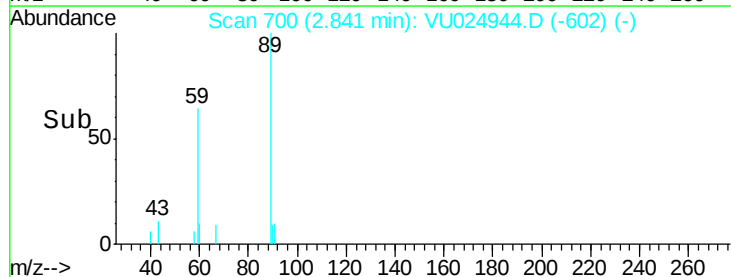
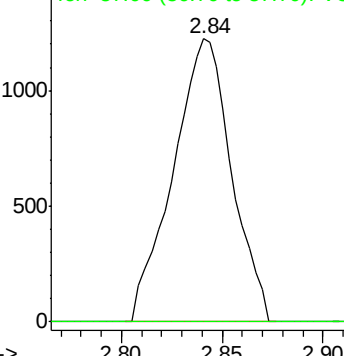
59 100

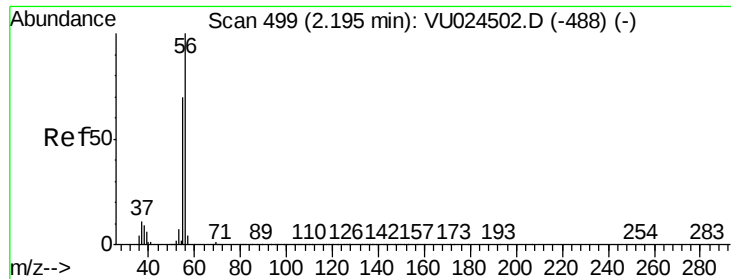
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

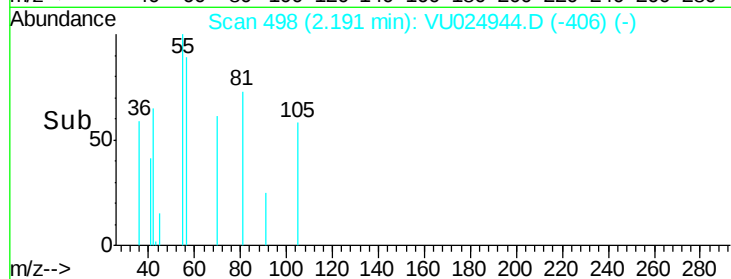
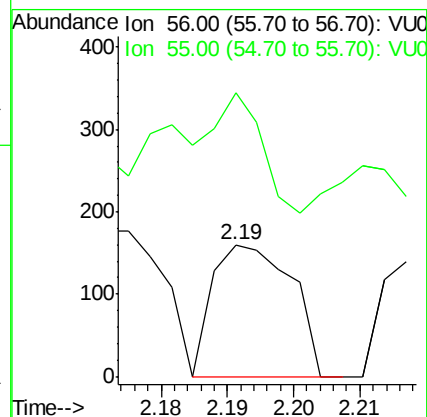
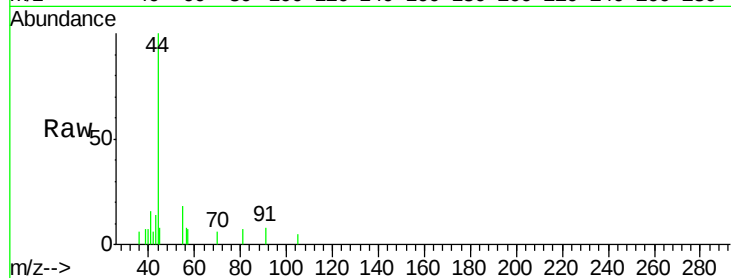




#13
Acrolein
Concen: 0.296 ug/l
RT: 2.19 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU024944.D
Acq: 27 Jun 2018 01:10

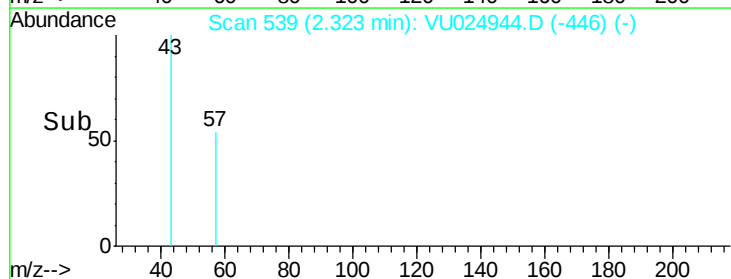
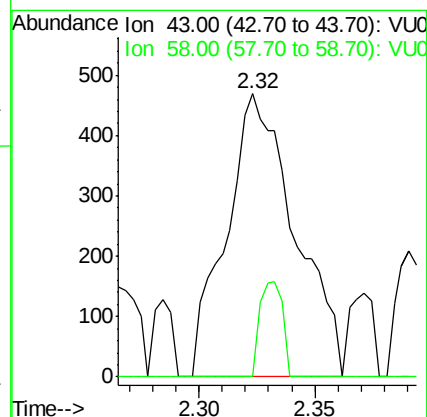
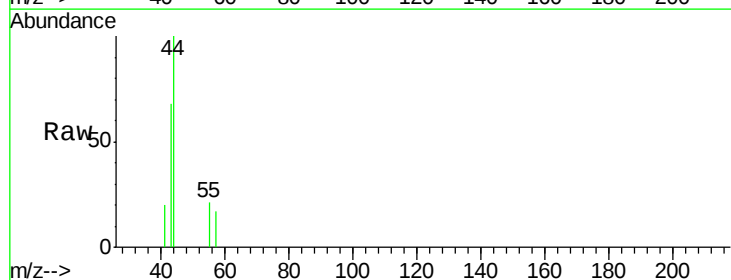
Instrument :
MSVOA_U
ClientSampleId :
WP021SB479-31-33-180620ME

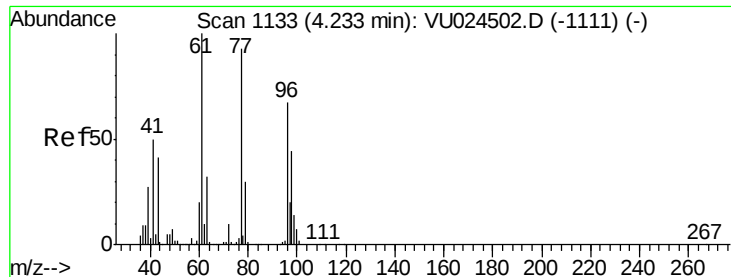
Tgt Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#



#16
Acetone
Concen: 0.514 ug/l
RT: 2.32 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU024944.D
Acq: 27 Jun 2018 01:10

Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 12.186 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024944.D

Acq: 27 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-31-33-180620ME

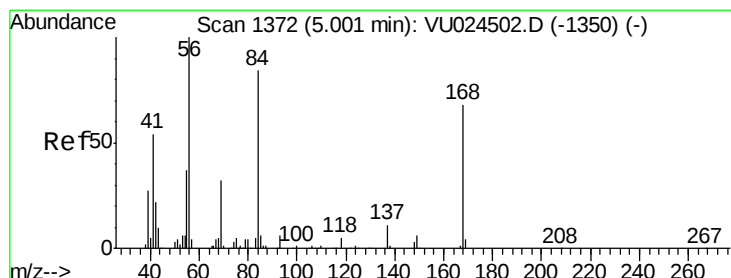
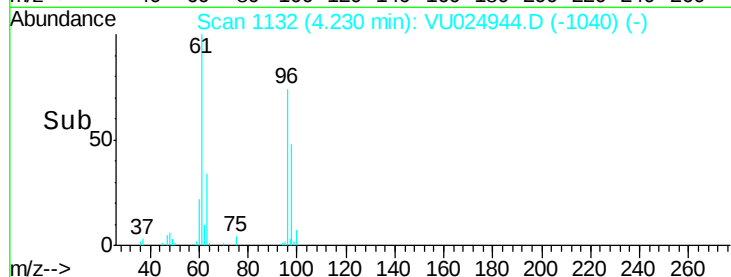
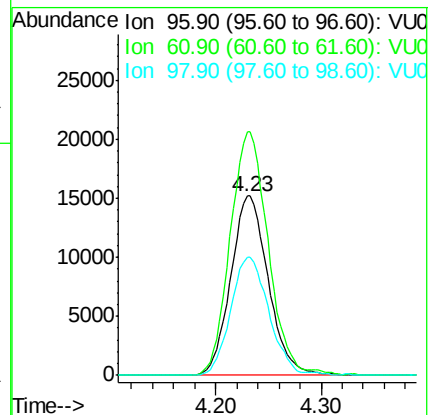
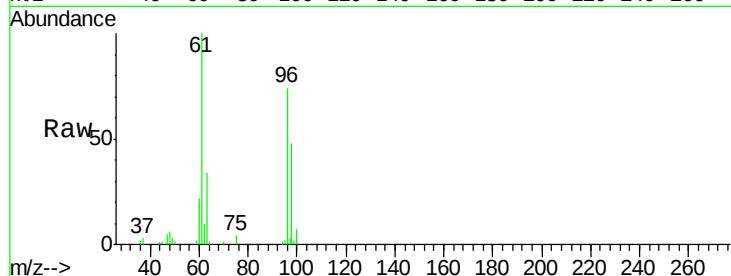
Tgt Ion: 96 Resp: 37550

Ion Ratio Lower Upper

96 100

61 137.2 0.0 306.6

98 67.1 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU024944.D

Acq: 27 Jun 2018 01:10

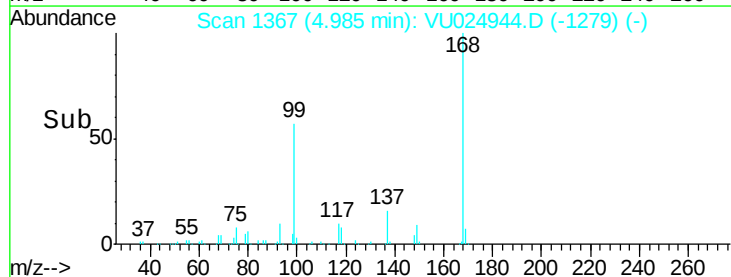
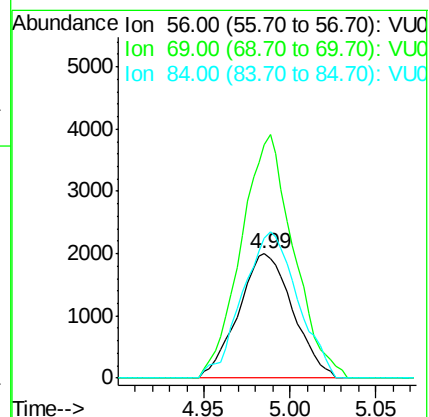
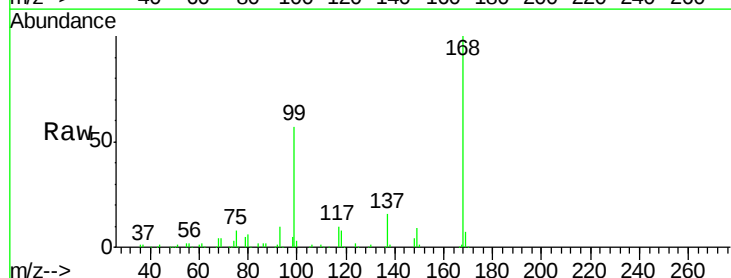
Tgt Ion: 56 Resp: 4375

Ion Ratio Lower Upper

56 100

69 188.1 24.8 37.2#

84 113.1 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: 46.328 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024944.D

Acq: 27 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

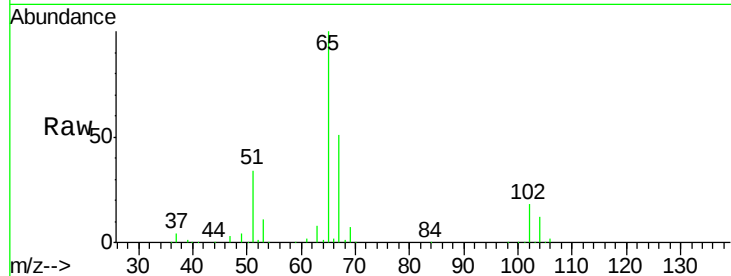
WP021SB479-31-33-180620ME

Tgt Ion: 65 Resp: 161640

Ion Ratio Lower Upper

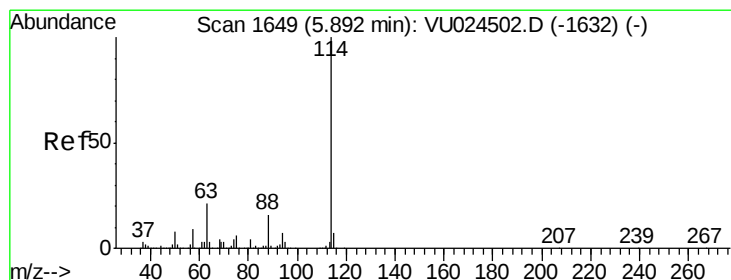
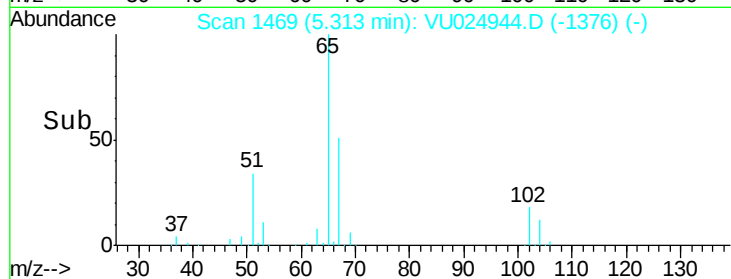
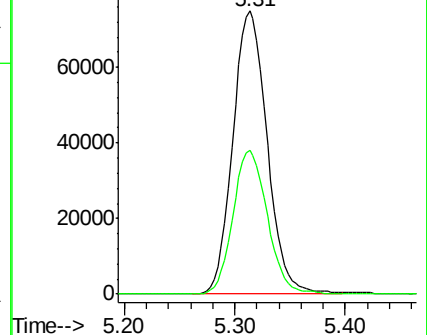
65 100

67 50.8 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024944.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024944.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024944.D

Acq: 27 Jun 2018 01:10

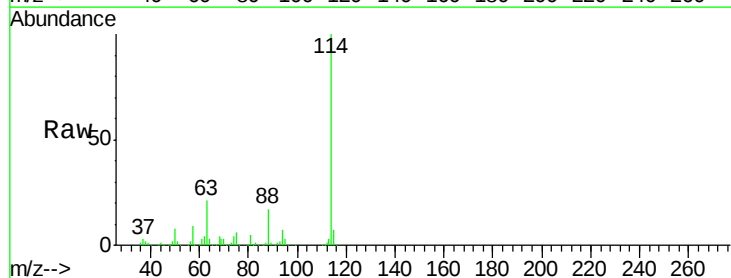
Tgt Ion: 114 Resp: 323118

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.4

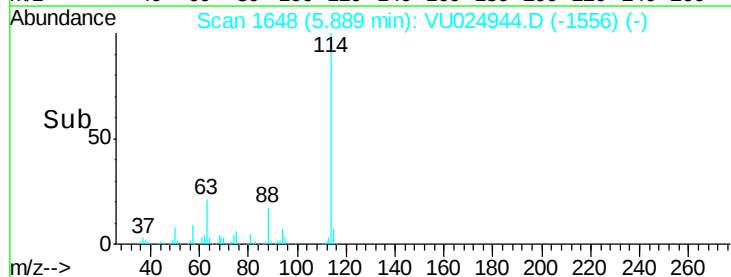
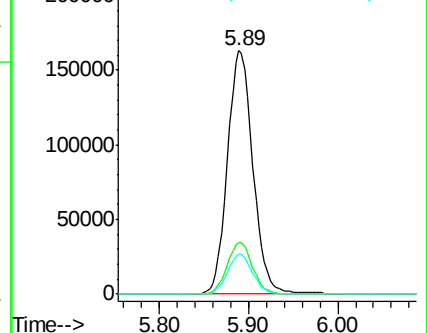
88 16.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024944.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU024944.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU024944.D (-1556) (-)

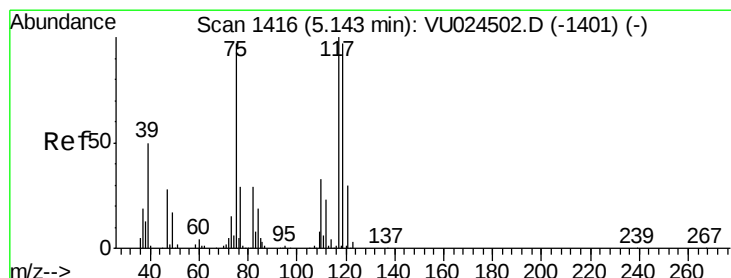
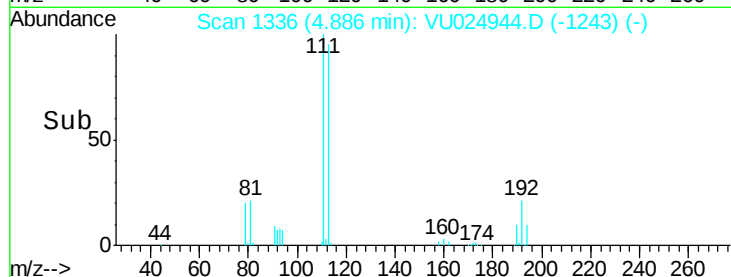
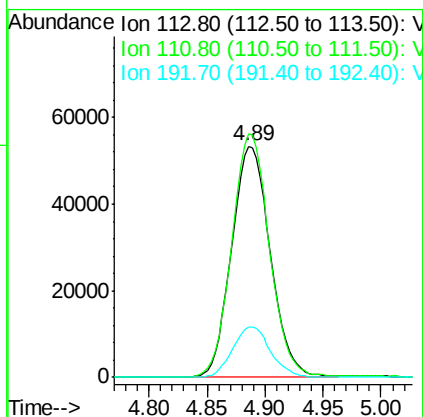
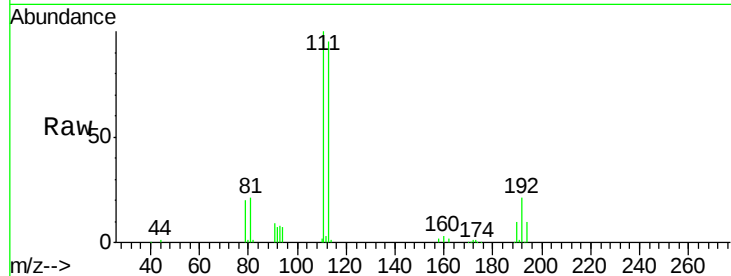




#35
 Dibromofluoromethane
 Concen: 46.116 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024944.D
 Acq: 27 Jun 2018 01:10

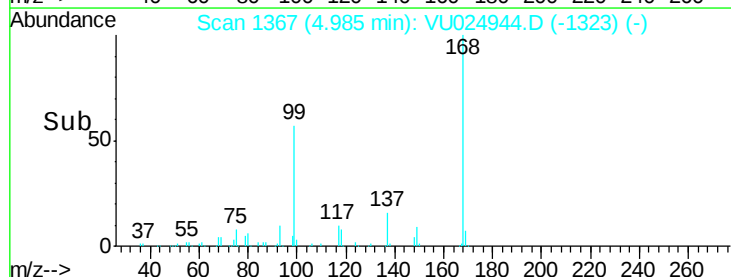
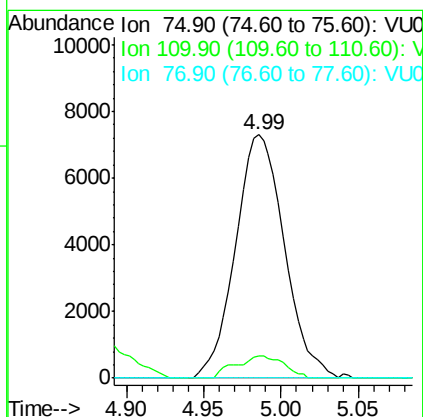
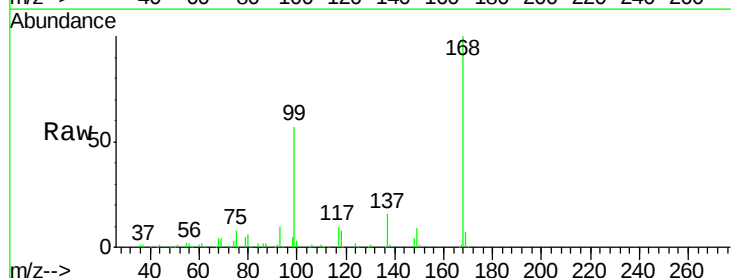
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB479-31-33-180620ME

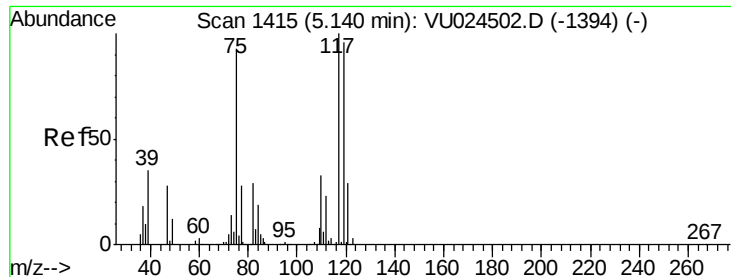
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	21.3	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.227 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024944.D
 Acq: 27 Jun 2018 01:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.058 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024944.D

Acq: 27 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-31-33-180620ME

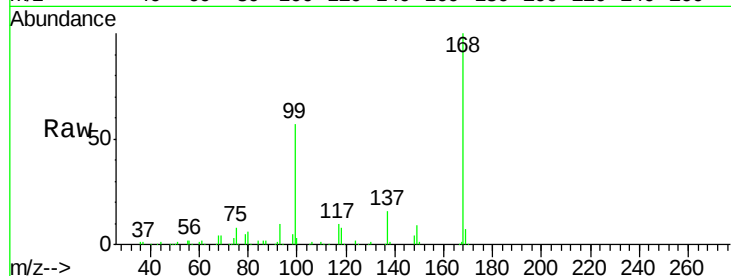
Tgt Ion:117 Resp: 21120

Ion Ratio Lower Upper

117 100

119 3.5 76.1 114.1#

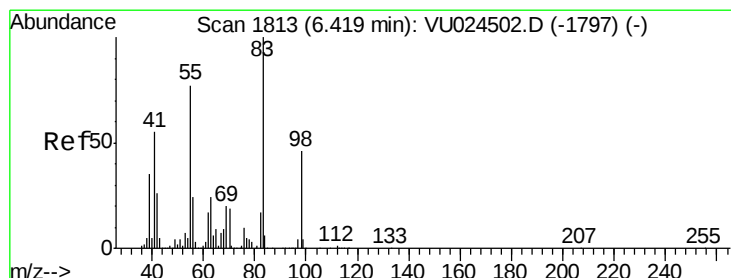
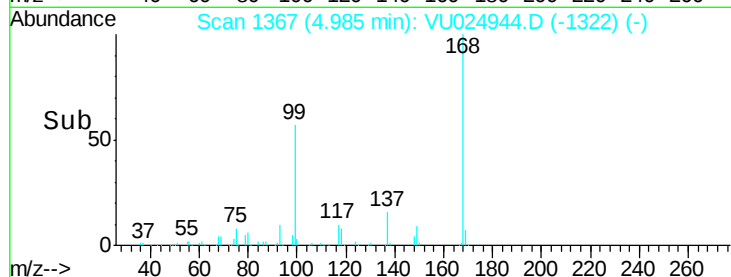
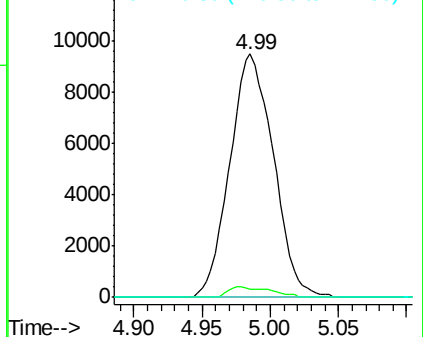
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.310 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.23 min

Lab File: VU024944.D

Acq: 27 Jun 2018 01:10

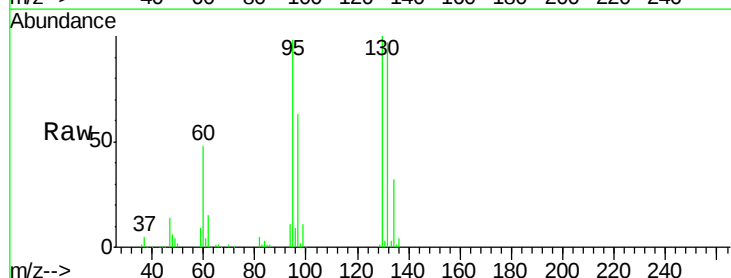
Tgt Ion: 83 Resp: 1468

Ion Ratio Lower Upper

83 100

55 0.0 65.8 98.6#

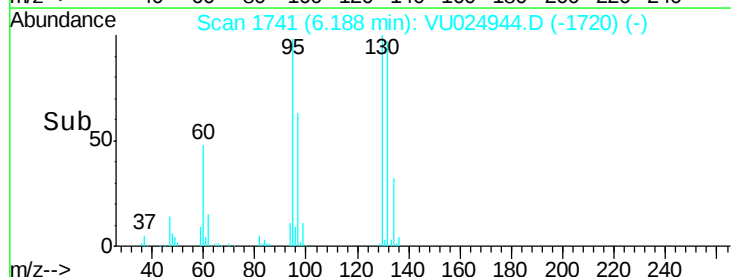
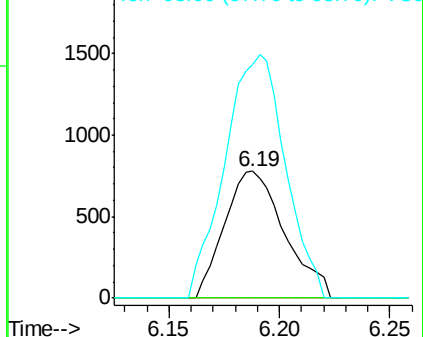
98 184.2 36.7 55.1#

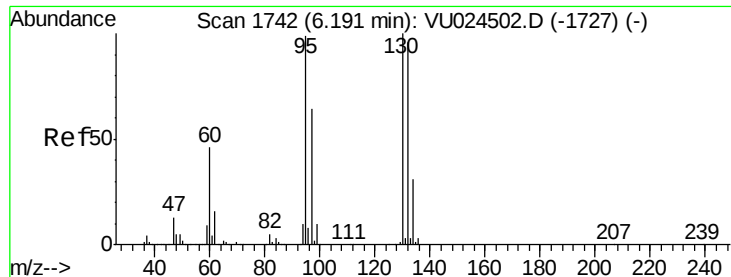


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#44

Trichloroethene

Concen: 37.672 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024944.D

Acq: 27 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

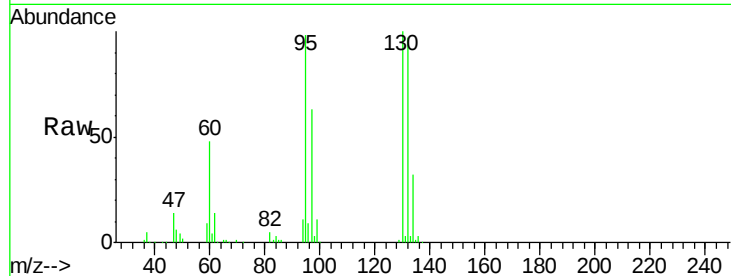
WP021SB479-31-33-180620ME

Tgt Ion:130 Resp: 115996

Ion Ratio Lower Upper

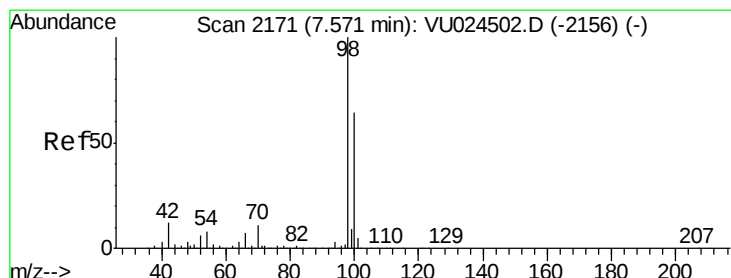
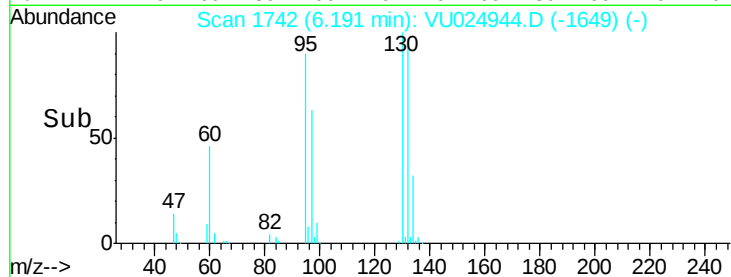
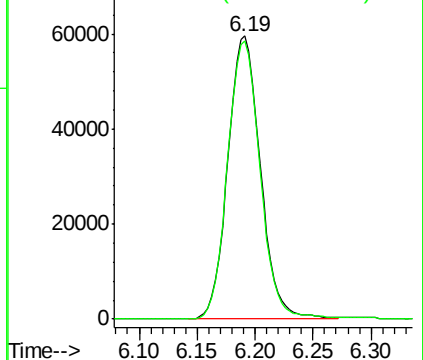
130 100

95 98.2 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: 47.753 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024944.D

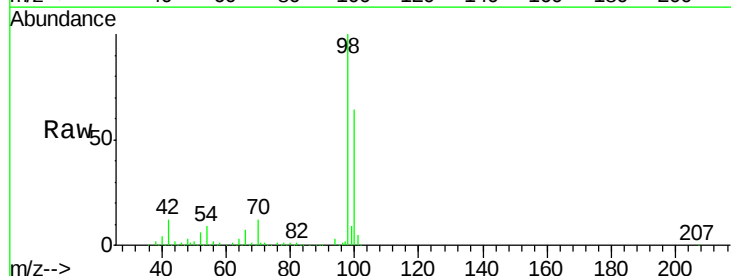
Acq: 27 Jun 2018 01:10

Tgt Ion: 98 Resp: 467100

Ion Ratio Lower Upper

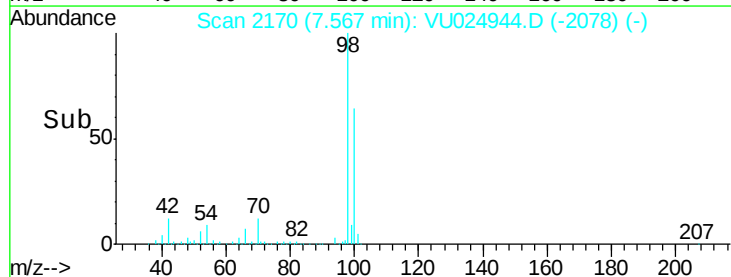
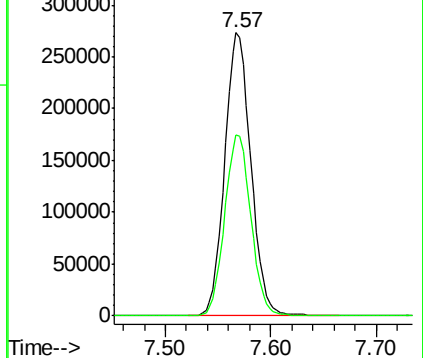
98 100

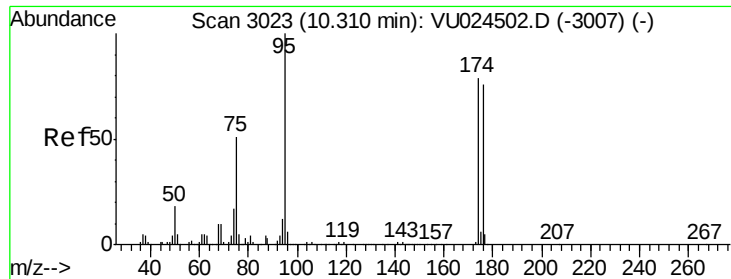
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 44.368 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024944.D

Acq: 27 Jun 2018 01:10

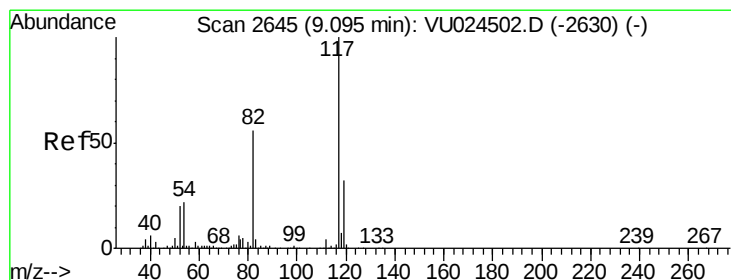
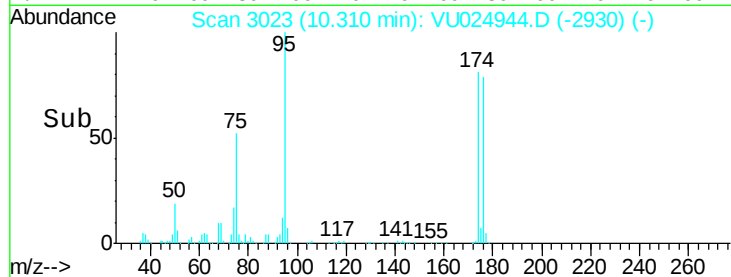
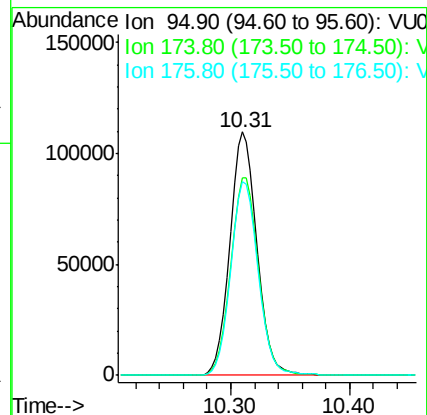
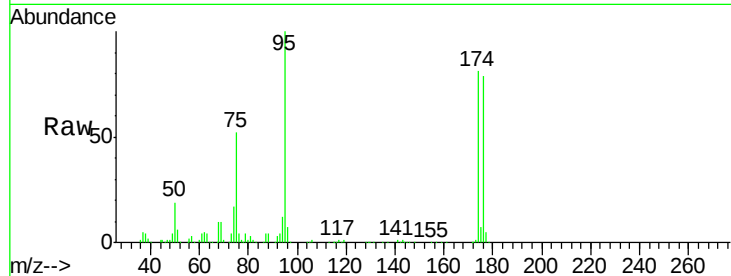
Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-31-33-180620ME

Tgt Ion:	95	Resp:	172309
Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	165.8
176	80.9	0.0	159.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

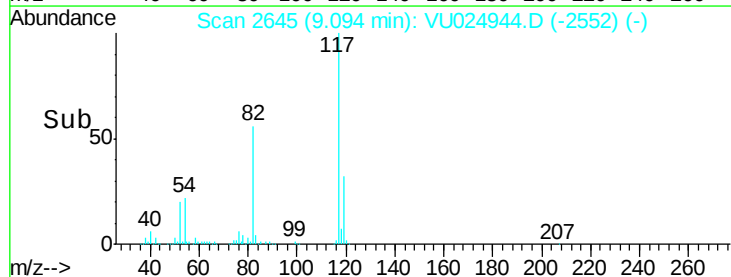
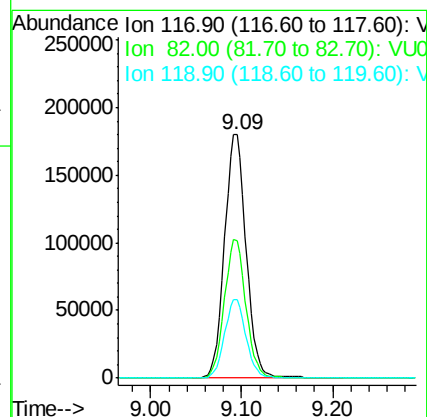
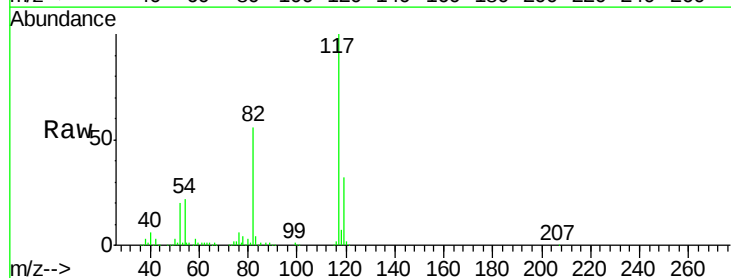
RT: 9.09 min Scan# 2645

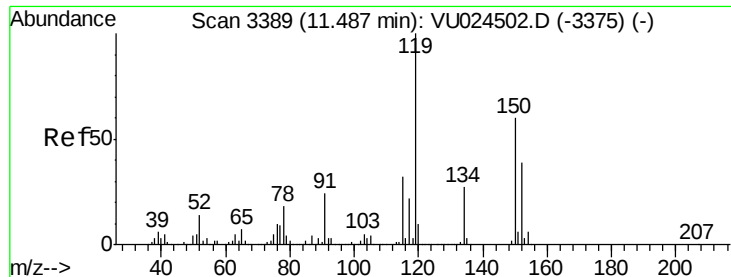
Delta R.T. -0.00 min

Lab File: VU024944.D

Acq: 27 Jun 2018 01:10

Tgt Ion:	117	Resp:	297817
Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.3	66.5
119	32.1	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: VU024944.D

Acq: 27 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-31-33-180620ME

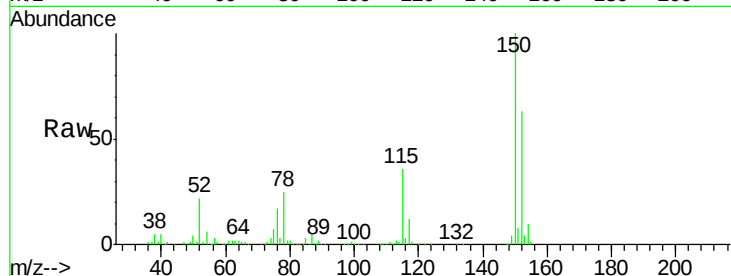
Tgt Ion:152 Resp: 157171

Ion Ratio Lower Upper

152 100

115 57.6 43.0 129.0

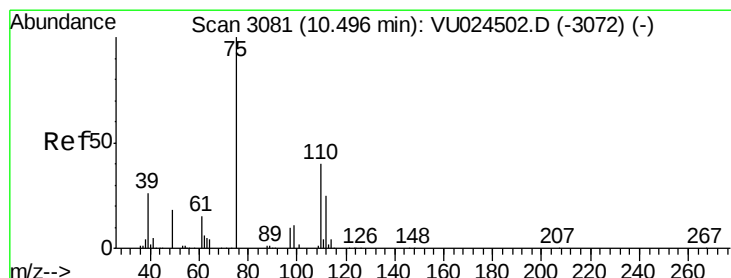
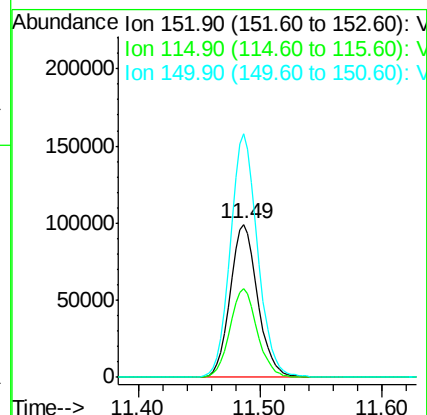
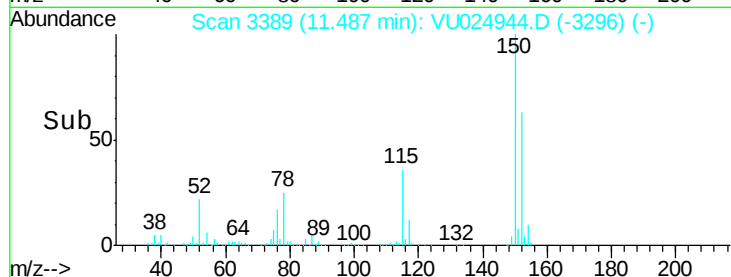
150 157.7 0.0 354.0



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: 25.832 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024944.D

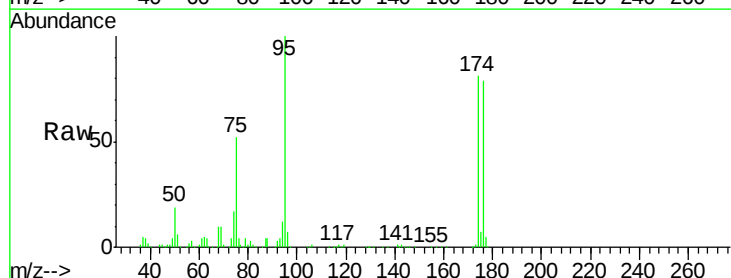
Acq: 27 Jun 2018 01:10

Tgt Ion: 75 Resp: 89389

Ion Ratio Lower Upper

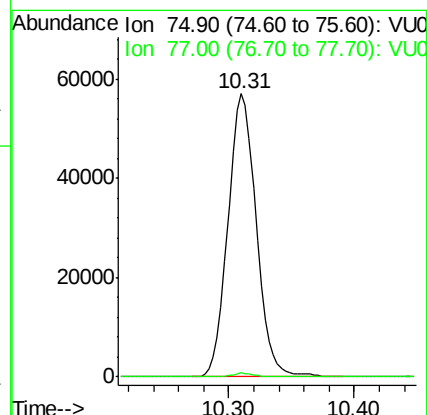
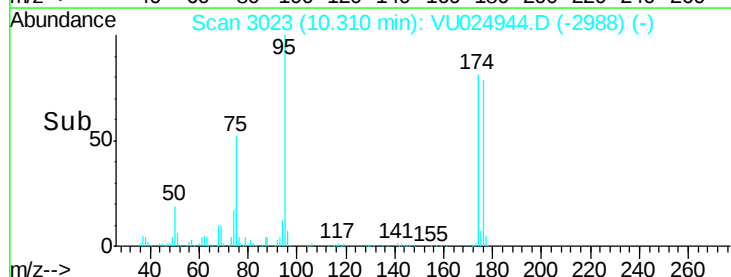
75 100

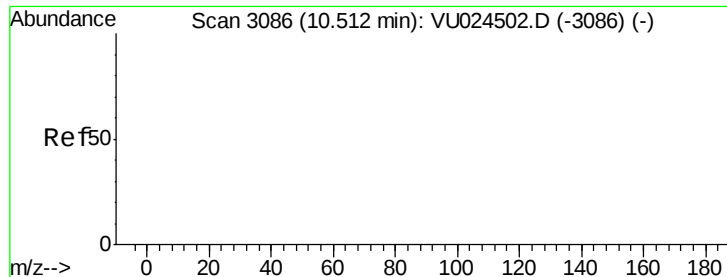
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

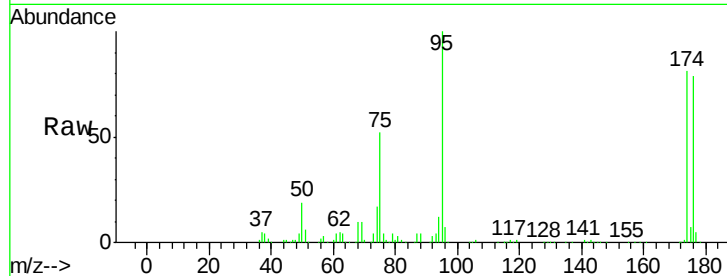




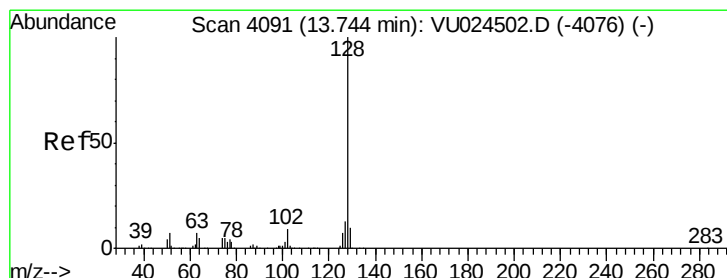
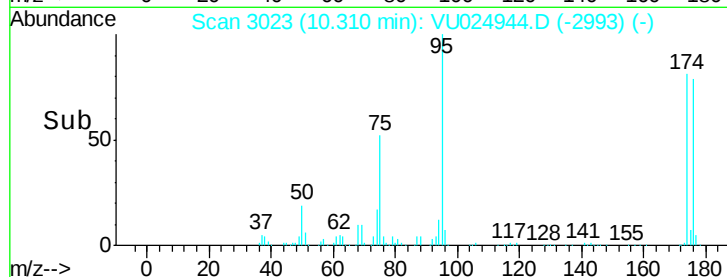
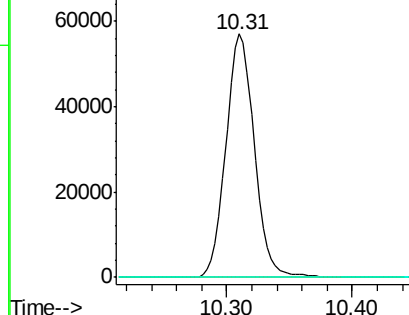
#81
trans-1,4-Dichloro-2-butene
Concen: 59.787 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024944.D
Acq: 27 Jun 2018 01:10

Instrument :
MSVOA_U
ClientSampleId :
WP021SB479-31-33-180620ME

Tgt Ion: 75 Resp: 89389
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

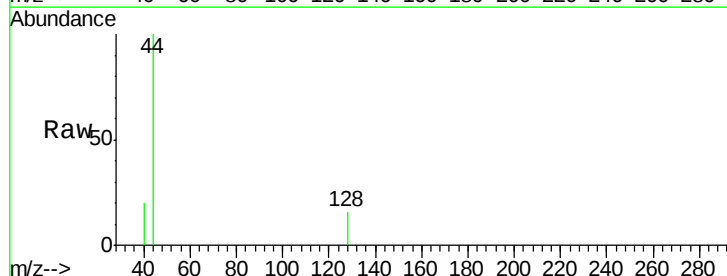


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#95
Naphthalene
Concen: 0.683 ug/l
RT: 13.78 min Scan# 4101
Delta R.T. 0.03 min
Lab File: VU024944.D
Acq: 27 Jun 2018 01:10

Tgt Ion: 128 Resp: 40
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

