

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062518\
 Data File : VU024912.D
 Acq On : 26 Jun 2018 06:39
 Operator : MD/SY
 Sample : J3669-29ME 200X
 Misc : 6.26g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB474-29-31-180620ME

Quant Time: Jun 26 08:41:55 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

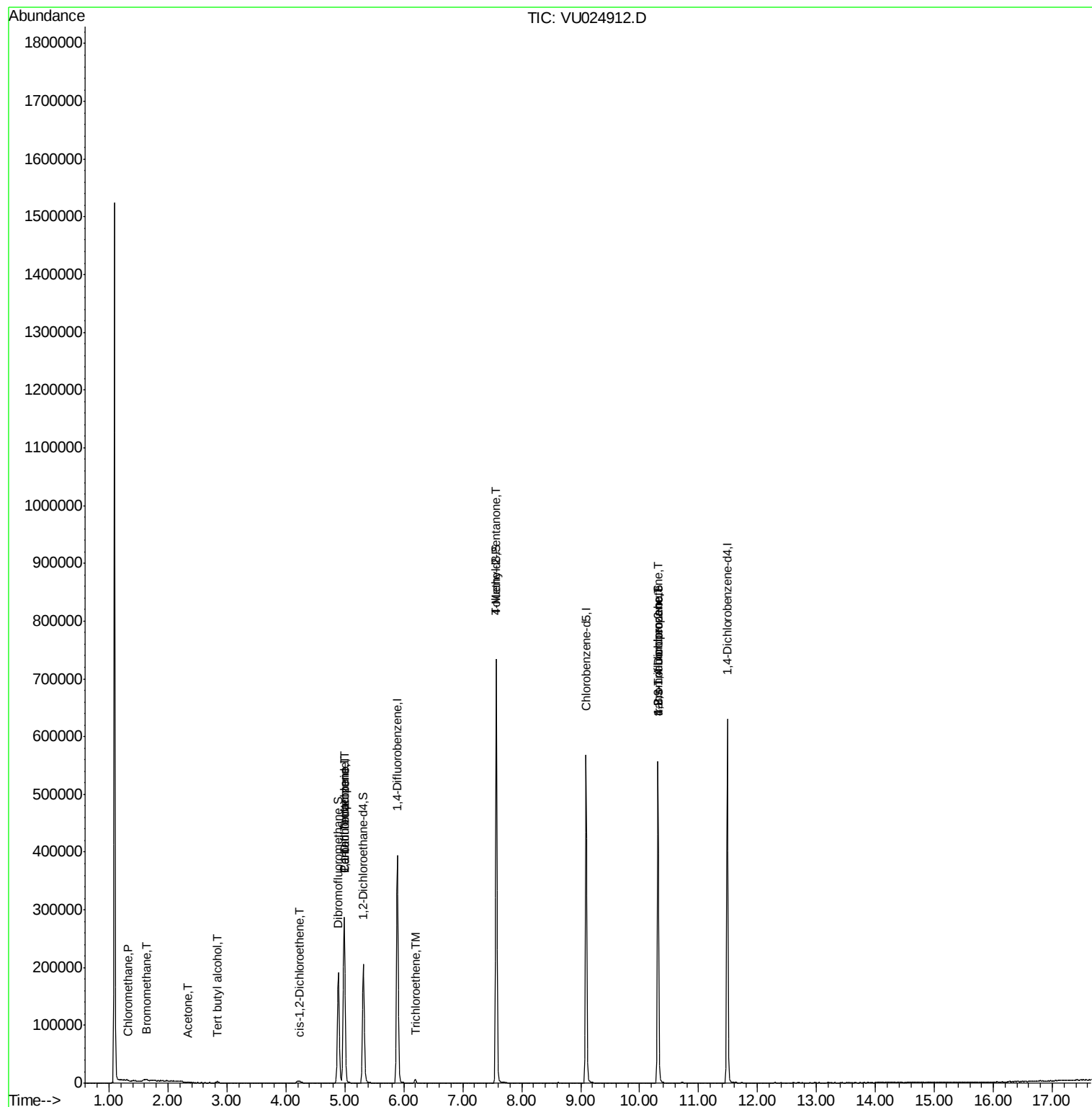
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	222313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	334820	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	310703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	164126	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	167723	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.42%	
35) Dibromofluoromethane	4.89	113	129240	46.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.02%	
50) Toluene-d8	7.57	98	484490	47.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	10.31	95	179671	44.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.30%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	612	0.215	ug/l	91
5) Bromomethane	1.63	94	436	0.308	ug/l	95
6) Chloroethane	1.67	64	40	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	1451	1.644	ug/l #	72
16) Acetone	2.34	43	616	0.316	ug/l #	44
27) cis-1,2-Dichloroethene	4.24	96	1578	0.492	ug/l	92
31) Cyclohexane	4.99	56	4438	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16466	4.185	ug/l #	51
38) Carbon Tetrachloride	4.99	117	21215	4.903	ug/l #	15
44) Trichloroethene	6.20	130	2020	0.633	ug/l	94
51) 4-Methyl-2-Pentanone	7.56	43	2305	0.495	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	94846	26.248	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	94846	60.749	ug/l #	100

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024912.D

Acq: 26 Jun 2018 06:39

Instrument :

MSVOA_U

ClientSampleId :

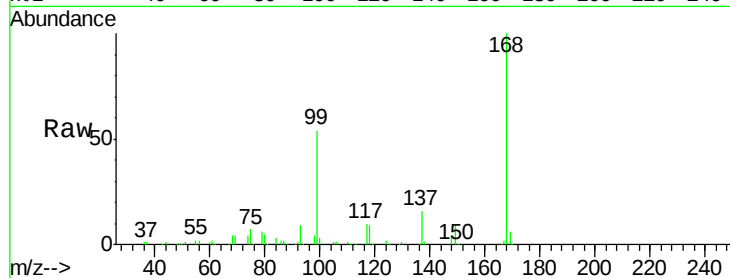
WP021SB474-29-31-180620ME

Tgt Ion:168 Resp: 222313

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) (-)

4.99

100000

80000

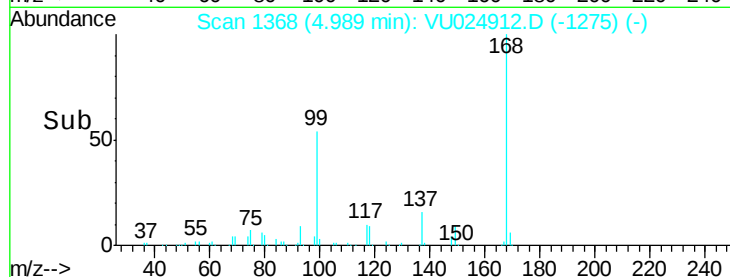
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.215 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024912.D

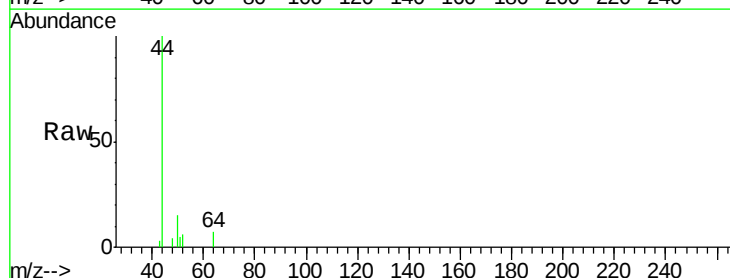
Acq: 26 Jun 2018 06:39

Tgt Ion: 50 Resp: 612

Ion Ratio Lower Upper

50 100

52 38.3 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

500

400

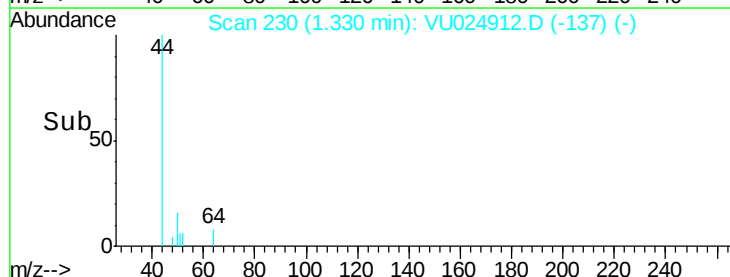
300

200

100

0

Time-->





#5

Bromomethane

Concen: 0.308 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU024912.D

Acq: 26 Jun 2018 06:39

Instrument :

MSVOA_U

ClientSampleId :

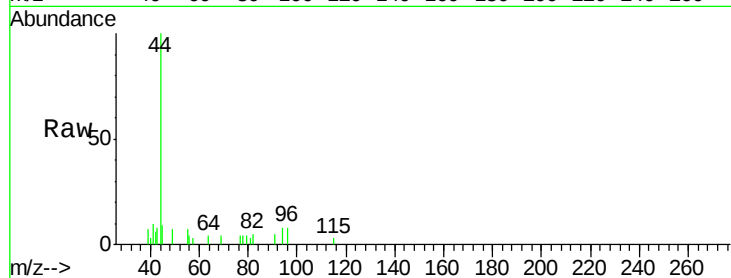
WP021SB474-29-31-180620ME

Tgt Ion: 94 Resp: 436

Ion Ratio Lower Upper

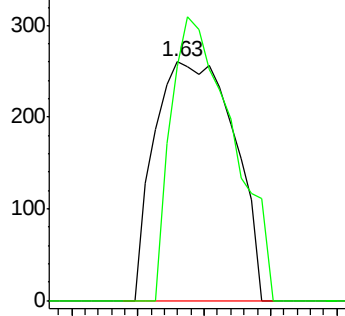
94 100

96 98.1 74.5 111.7

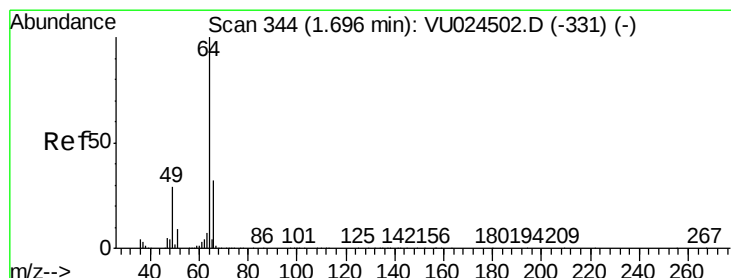
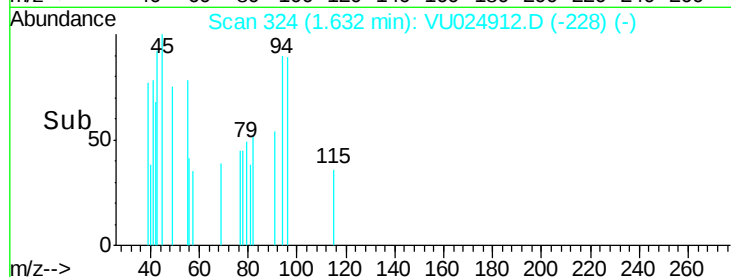


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time--> 1.60 1.62 1.64 1.66



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 337

Delta R.T. -0.02 min

Lab File: VU024912.D

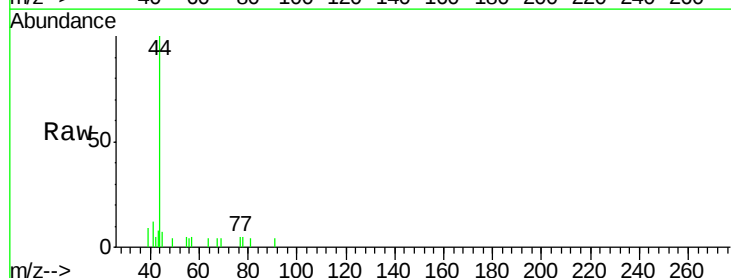
Acq: 26 Jun 2018 06:39

Tgt Ion: 64 Resp: 40

Ion Ratio Lower Upper

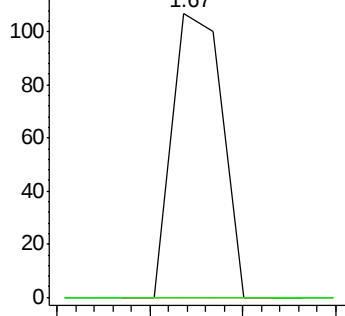
64 100

66 0.0 25.5 38.3#

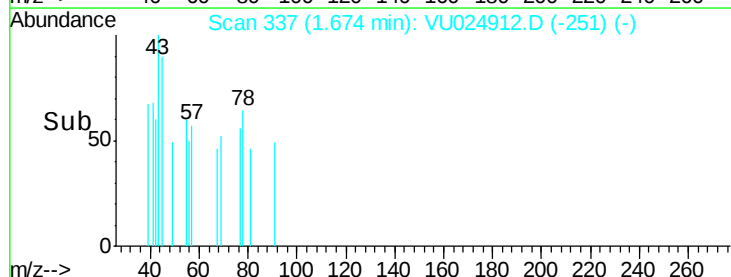


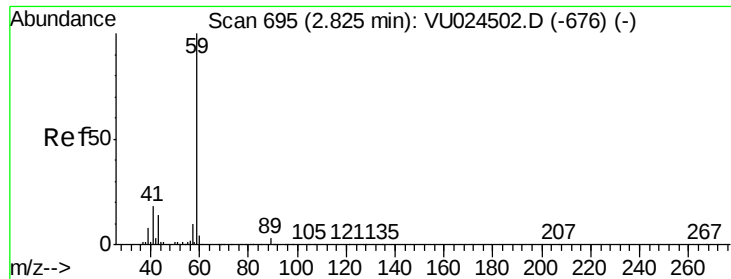
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time--> 1.66 1.67 1.68

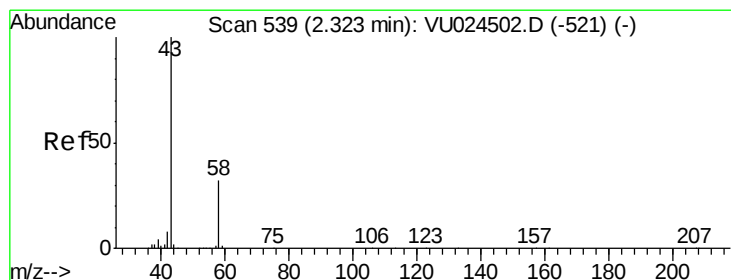
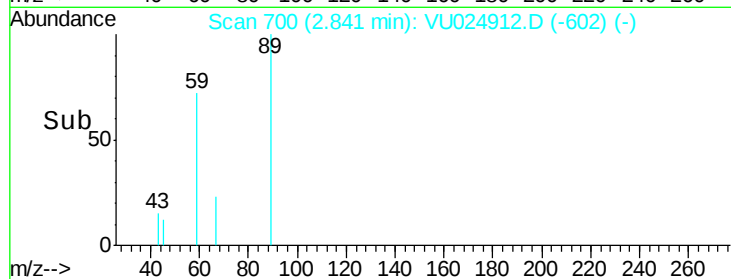
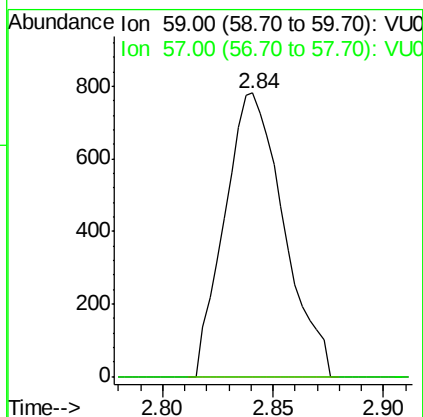
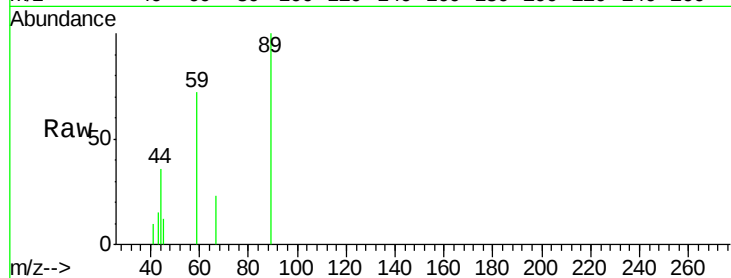




#11
Tert butyl alcohol
Concen: 1.644 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU024912.D
Acq: 26 Jun 2018 06:39

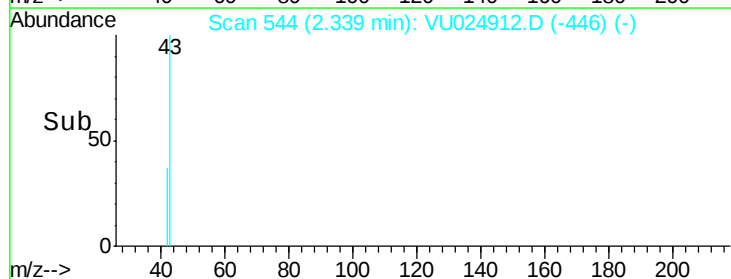
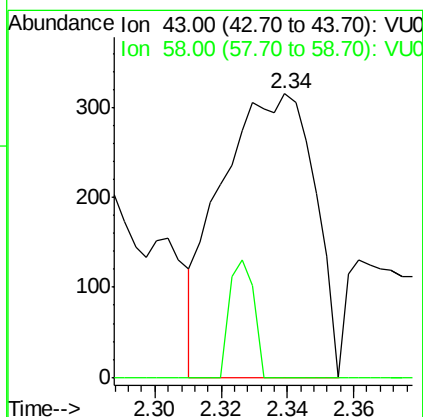
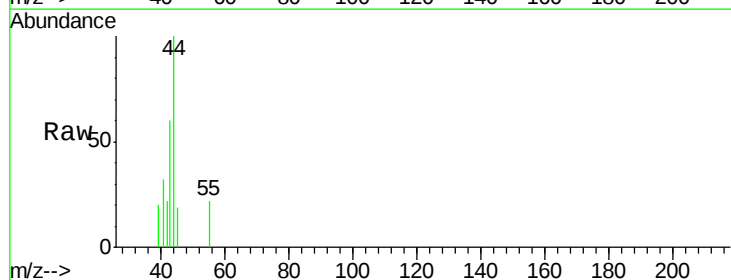
Instrument :
MSVOA_U
ClientSampleId :
WP021SB474-29-31-180620ME

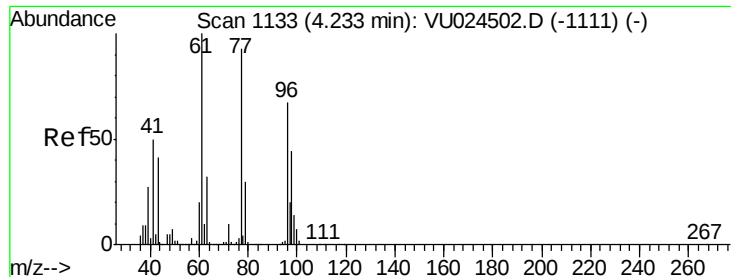
Tgt Ion: 59 Resp: 1451
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 0.316 ug/l
RT: 2.34 min Scan# 544
Delta R.T. 0.02 min
Lab File: VU024912.D
Acq: 26 Jun 2018 06:39

Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 0.492 ug/l

RT: 4.24 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VU024912.D

Acq: 26 Jun 2018 06:39

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-29-31-180620ME

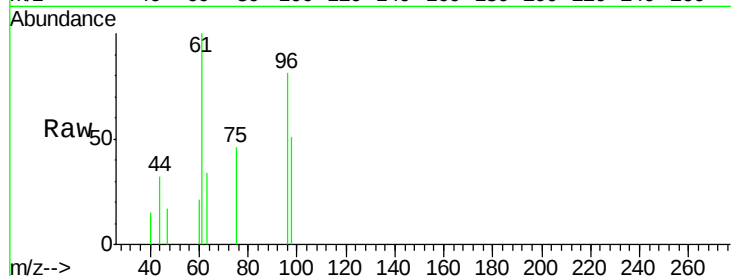
Tgt Ion: 96 Resp: 1578

Ion Ratio Lower Upper

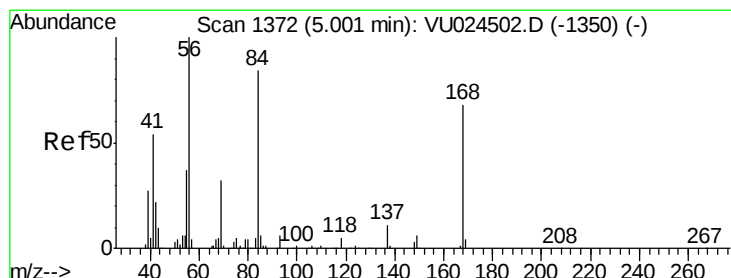
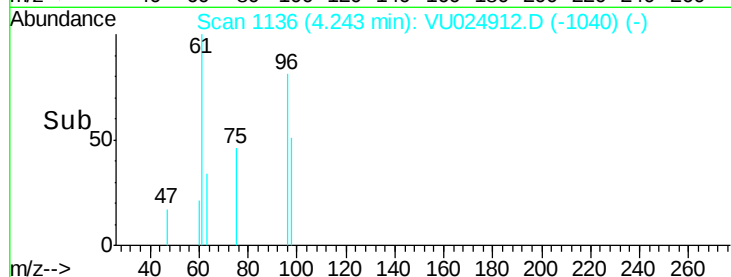
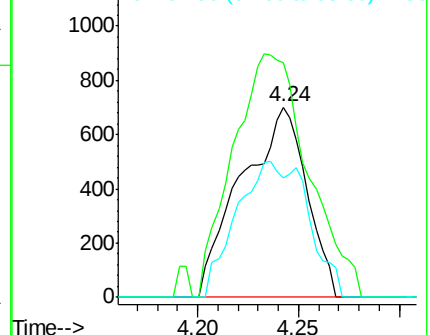
96 100

61 147.8 0.0 306.6

98 51.2 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# 1367

Delta R.T. -0.02 min

Lab File: VU024912.D

Acq: 26 Jun 2018 06:39

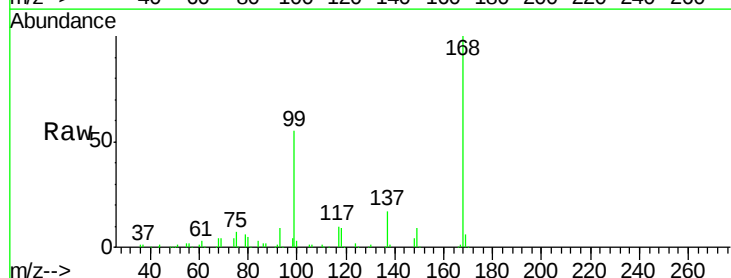
Tgt Ion: 56 Resp: 4438

Ion Ratio Lower Upper

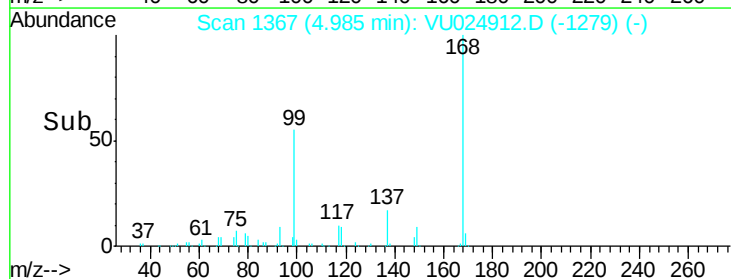
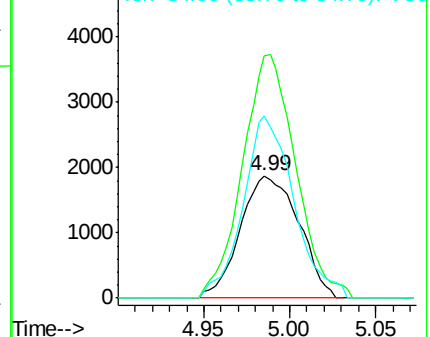
56 100

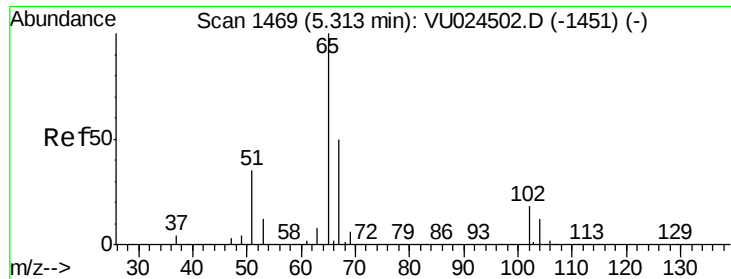
69 198.1 24.8 37.2#

84 149.7 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

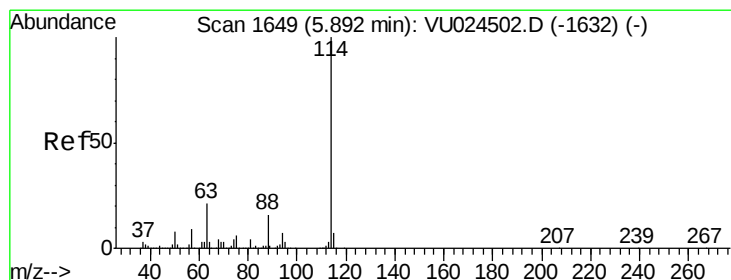
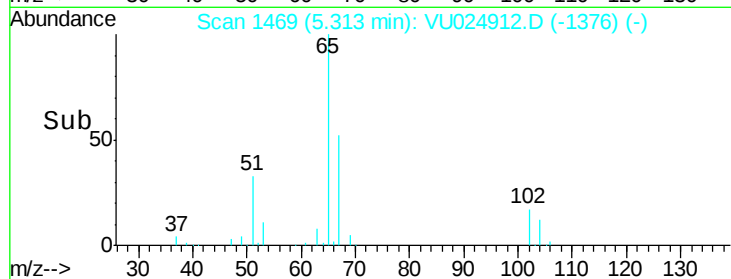
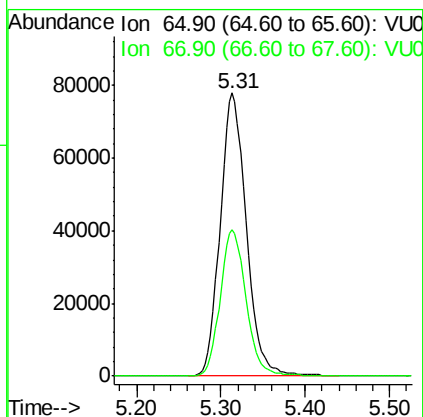
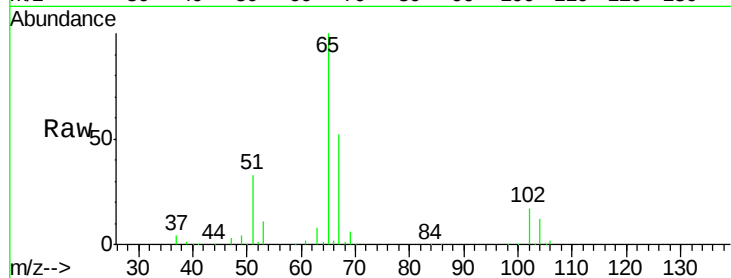




#33
 1,2-Dichloroethane-d4
 Concen: 46.214 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024912.D
 Acq: 26 Jun 2018 06:39

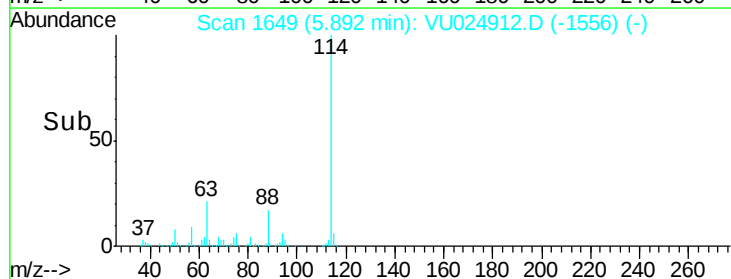
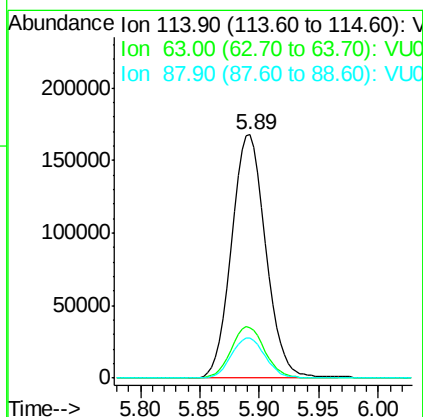
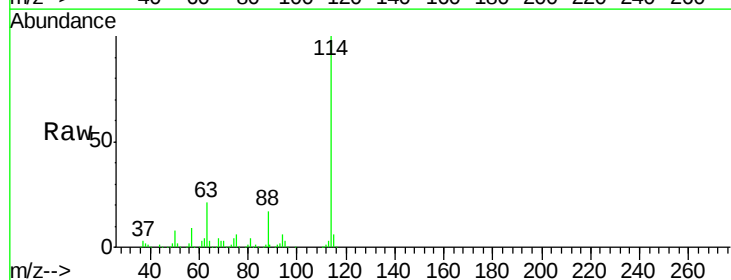
Instrument :
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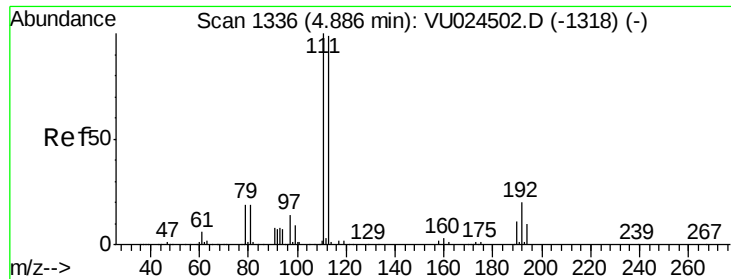
Tgt Ion: 65 Resp: 167723
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024912.D
 Acq: 26 Jun 2018 06:39

Tgt Ion: 114 Resp: 334820
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 45.4
 88 16.5 0.0 31.0

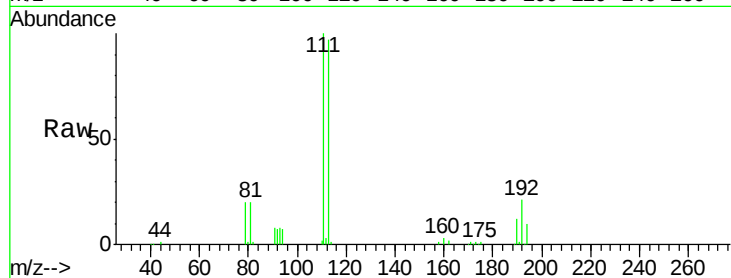




#35
 Dibromofluoromethane
 Concen: 46.510 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024912.D
 Acq: 26 Jun 2018 06:39

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB474-29-31-180620ME

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	21.6	16.2	24.4

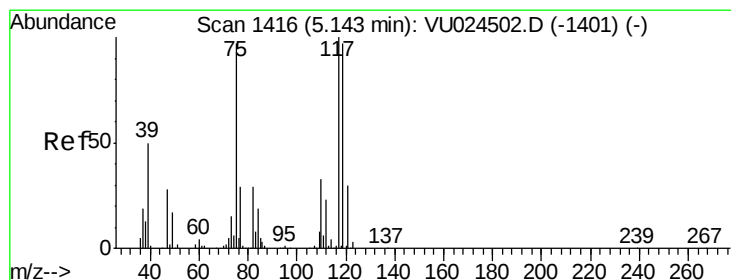
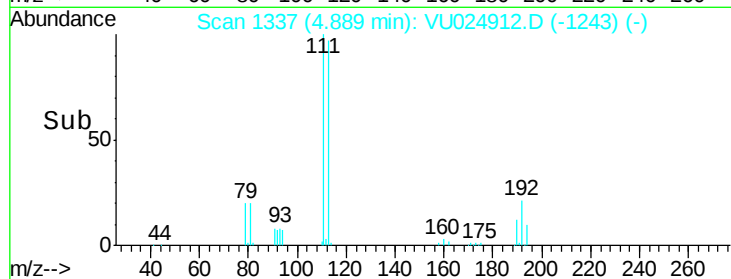
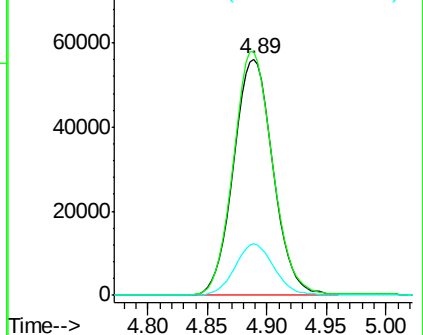


Abundance

Ion 112.80 (112.50 to 113.50): V

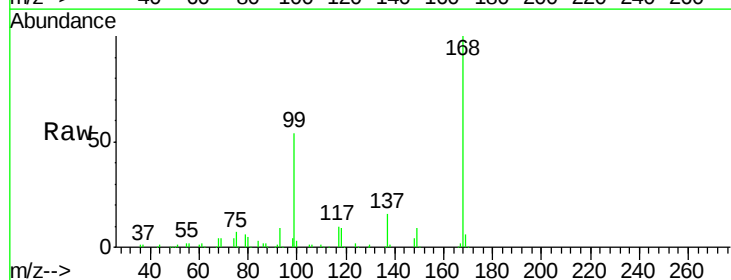
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.185 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024912.D
 Acq: 26 Jun 2018 06:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.0	50.9#
77	0.0	24.2	36.4#

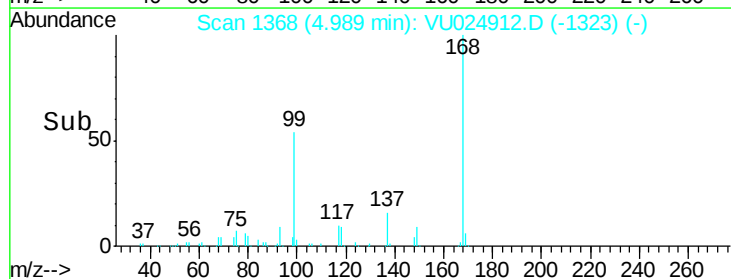
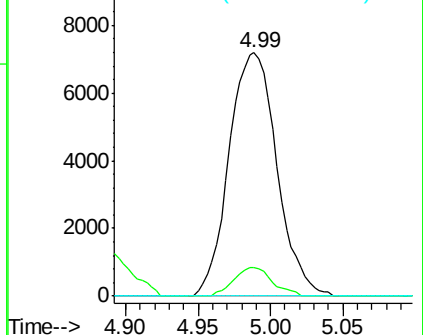


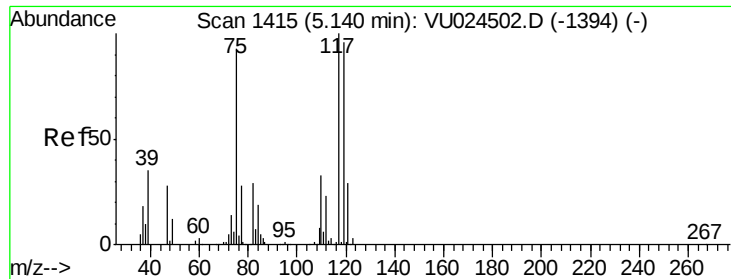
Abundance

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: 4.903 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024912.D

Acq: 26 Jun 2018 06:39

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-29-31-180620ME

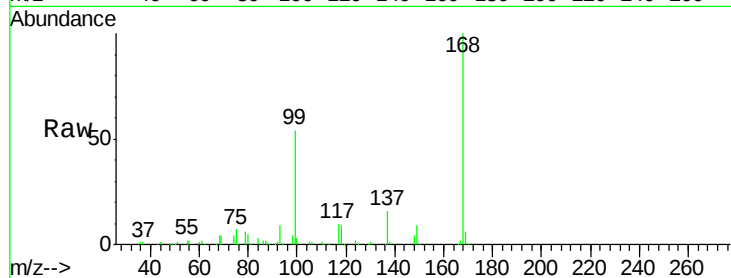
Tgt Ion:117 Resp: 21215

Ion Ratio Lower Upper

117 100

119 3.2 76.1 114.1#

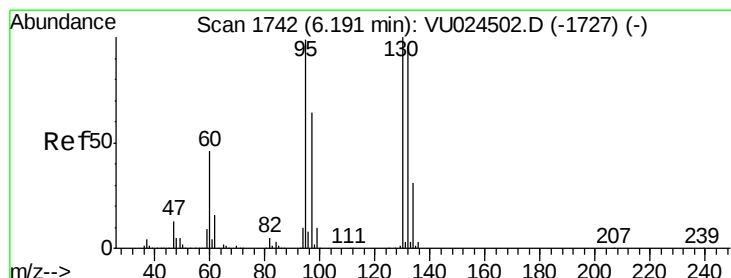
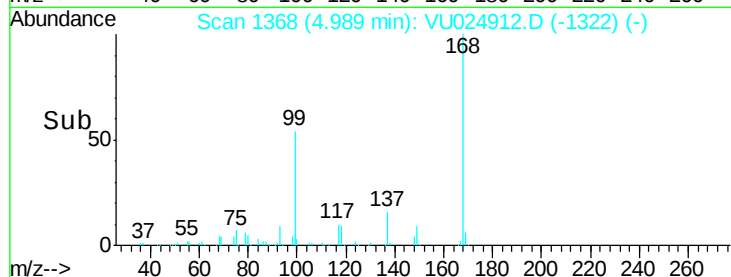
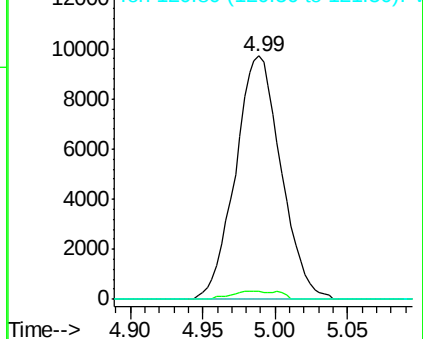
121 0.0 23.7 35.5#



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



#44

Trichloroethene

Concen: 0.633 ug/l

RT: 6.20 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VU024912.D

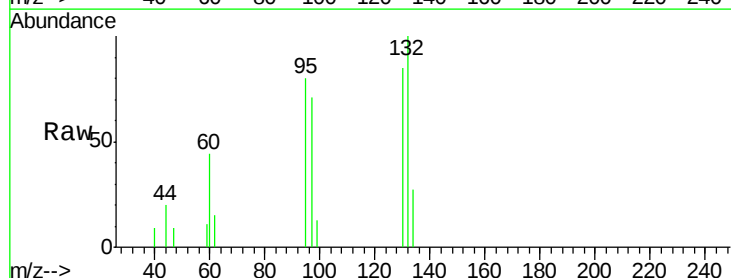
Acq: 26 Jun 2018 06:39

Tgt Ion:130 Resp: 2020

Ion Ratio Lower Upper

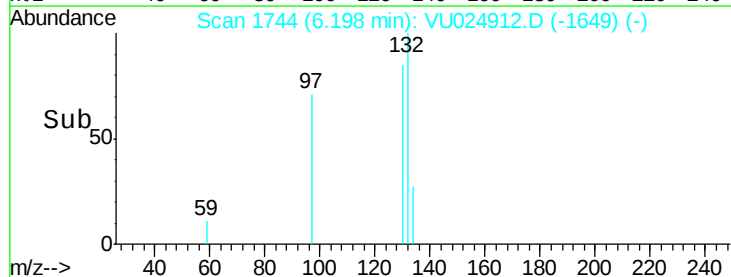
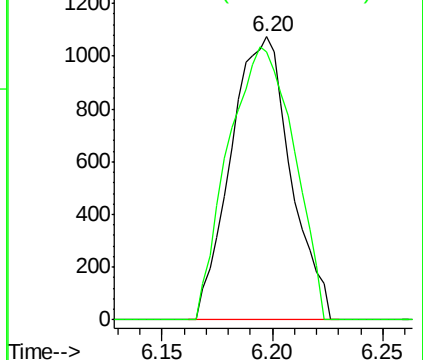
130 100

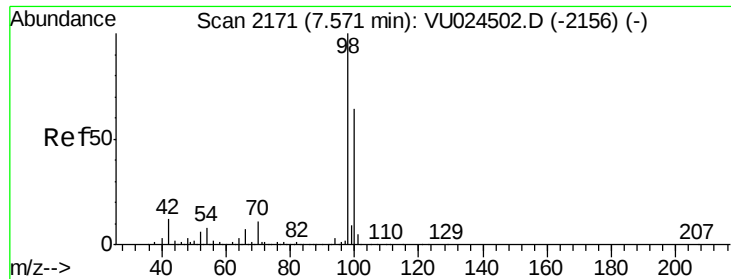
95 94.7 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

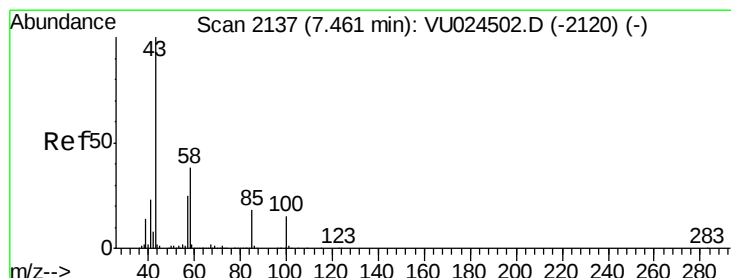
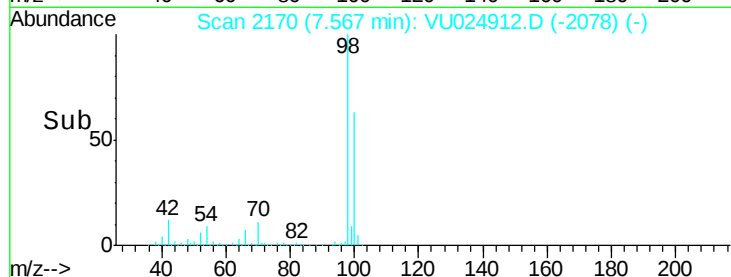
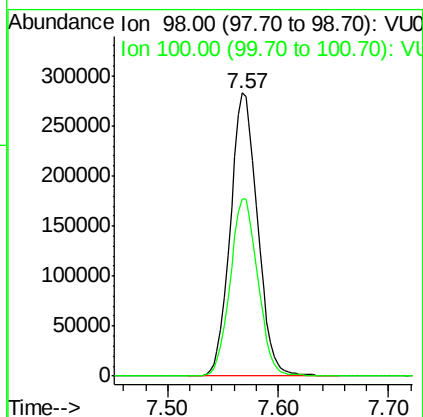
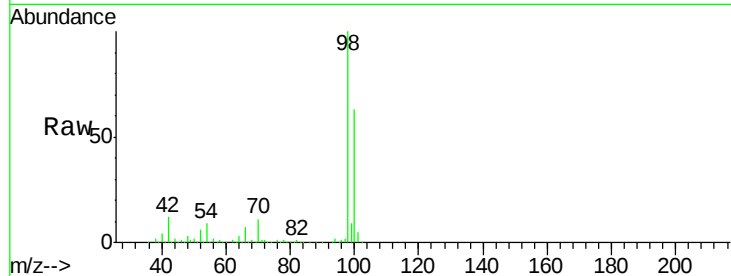




#50
Toluene-d8
Concen: 47.800 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024912.D
Acq: 26 Jun 2018 06:39

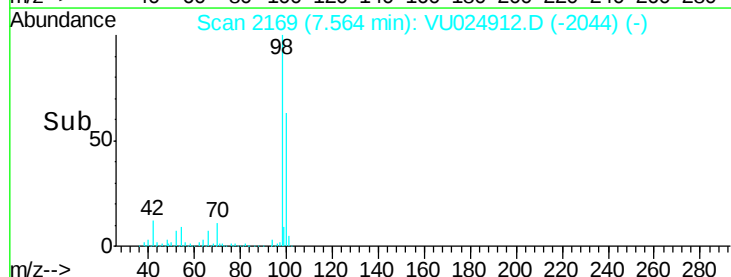
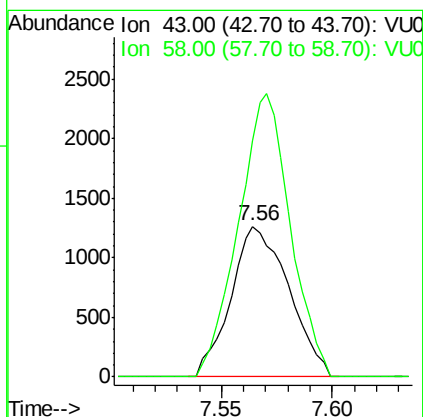
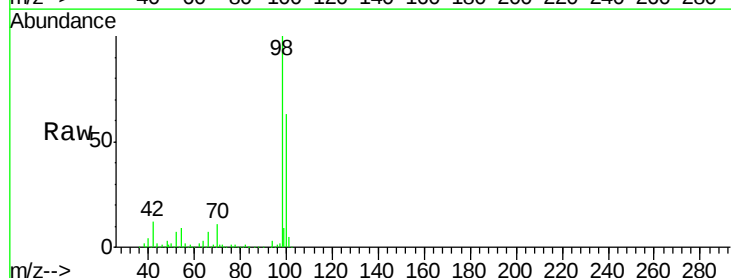
Instrument :
MSVOA_U
ClientSampleId :
WP021SB474-29-31-180620ME

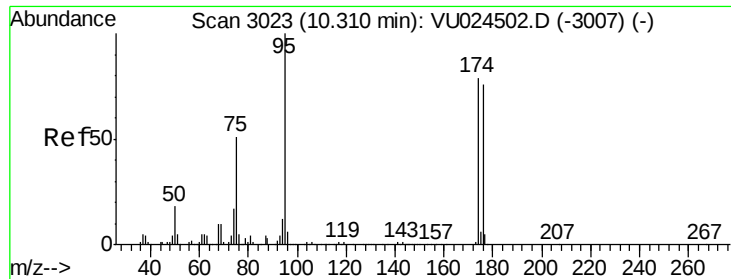
Tgt Ion: 98 Resp: 484490
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.495 ug/l
RT: 7.56 min Scan# 2169
Delta R.T. 0.10 min
Lab File: VU024912.D
Acq: 26 Jun 2018 06:39

Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
58 168.0 30.0 45.0#





#62

4-Bromofluorobenzene

Concen: 44.647 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024912.D

Acq: 26 Jun 2018 06:39

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-29-31-180620ME

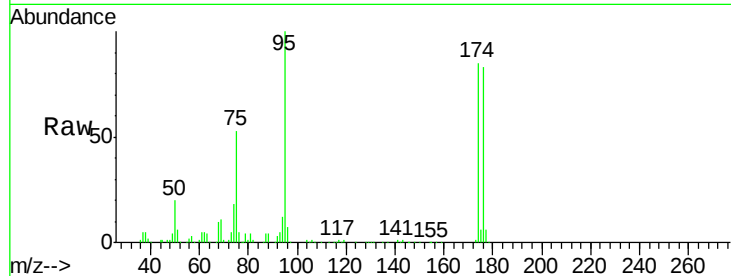
Tgt Ion: 95 Resp: 179671

Ion Ratio Lower Upper

95 100

174 85.2 0.0 165.8

176 82.6 0.0 159.4



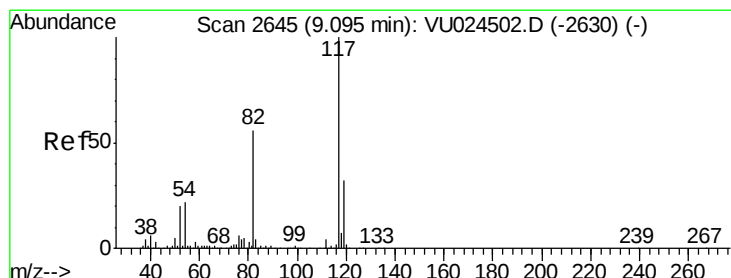
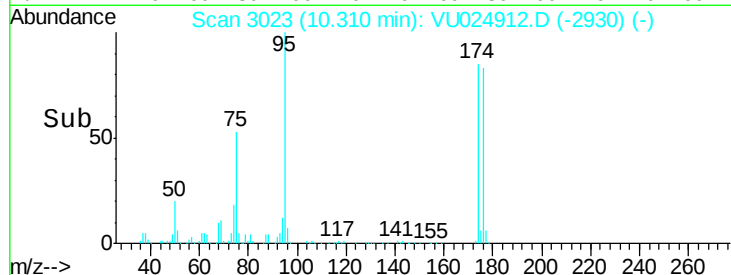
Abundance Ion 94.90 (94.60 to 95.60): VU024912.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024912.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024912.D (-2930) (-)

10.31

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024912.D

Acq: 26 Jun 2018 06:39

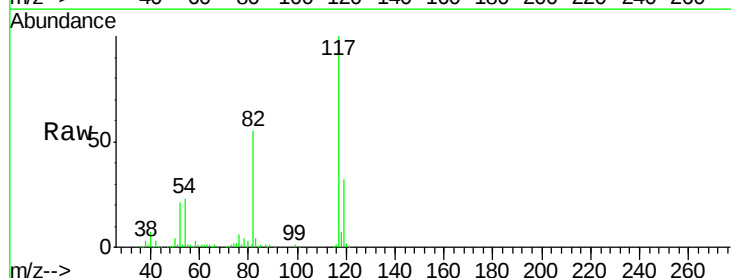
Tgt Ion: 117 Resp: 310703

Ion Ratio Lower Upper

117 100

82 55.5 44.3 66.5

119 32.3 25.4 38.2



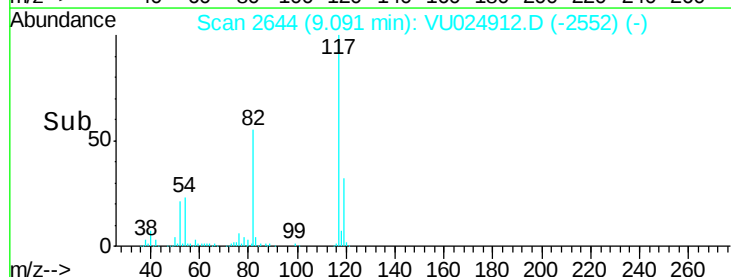
Abundance Ion 116.90 (116.60 to 117.60): VU024912.D (-2552) (-)

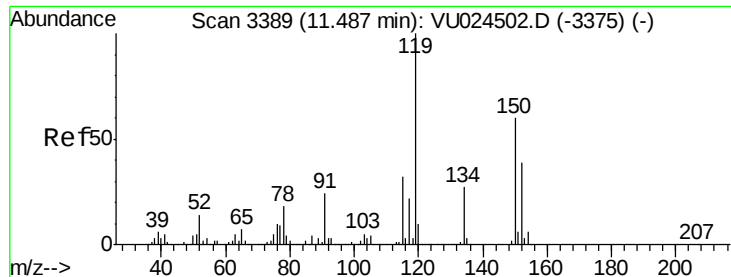
Ion 82.00 (81.70 to 82.70): VU024912.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024912.D (-2552) (-)

9.09

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024912.D

Acq: 26 Jun 2018 06:39

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-29-31-180620ME

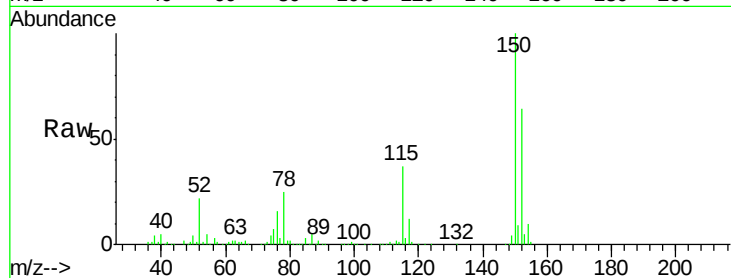
Tgt Ion:152 Resp: 164126

Ion Ratio Lower Upper

152 100

115 58.1 43.0 129.0

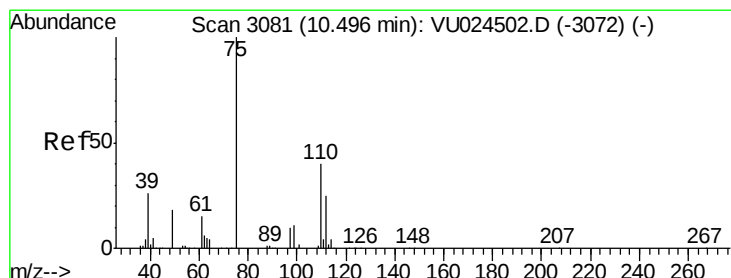
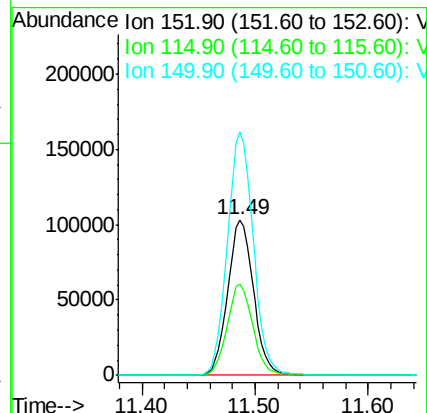
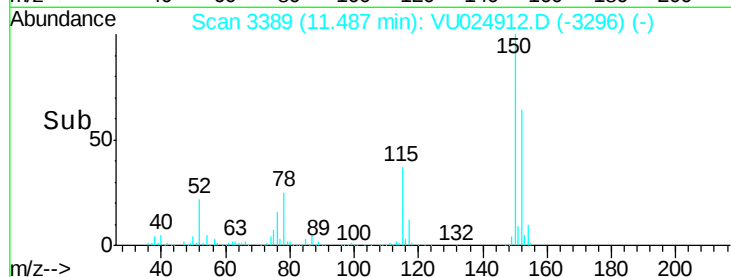
150 157.4 0.0 354.0



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: 26.248 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024912.D

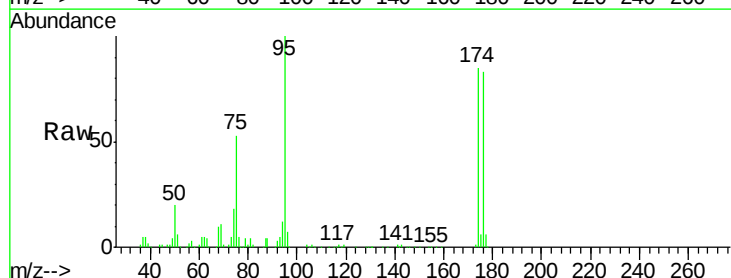
Acq: 26 Jun 2018 06:39

Tgt Ion: 75 Resp: 94846

Ion Ratio Lower Upper

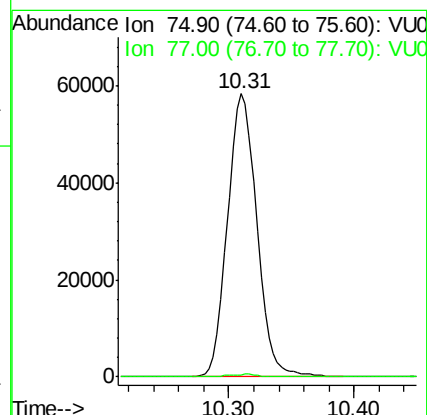
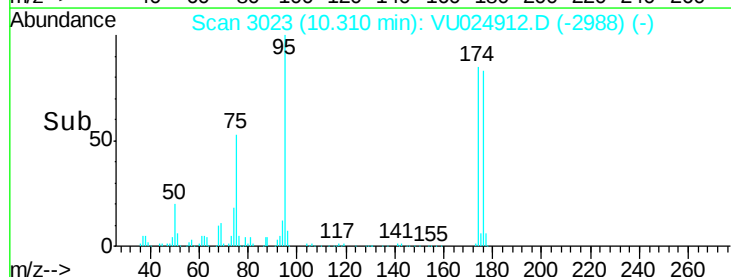
75 100

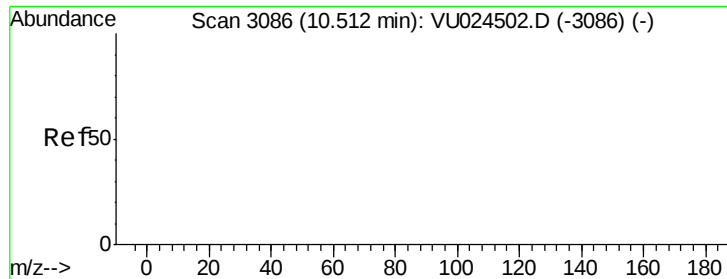
77 0.9 20.9 62.7#



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: 60.749 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024912.D

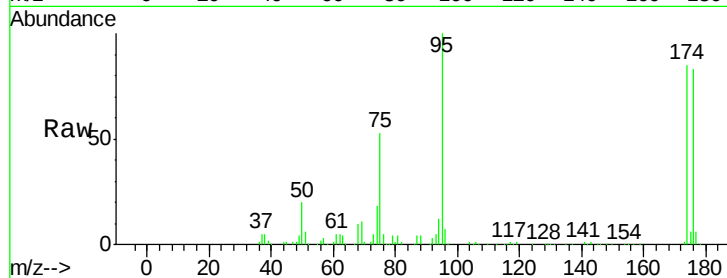
Acq: 26 Jun 2018 06:39

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-29-31-180620ME



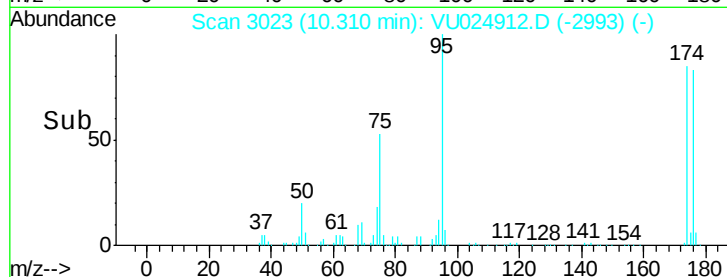
Tgt Ion: 75 Resp: 94846

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

