

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024971.D
 Acq On : 27 Jun 2018 17:04
 Operator : MD/SY
 Sample : J3669-20ME 20X
 Misc : 6.20g/5.0mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-29-31-180620ME

Quant Time: Jun 28 02:27:29 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

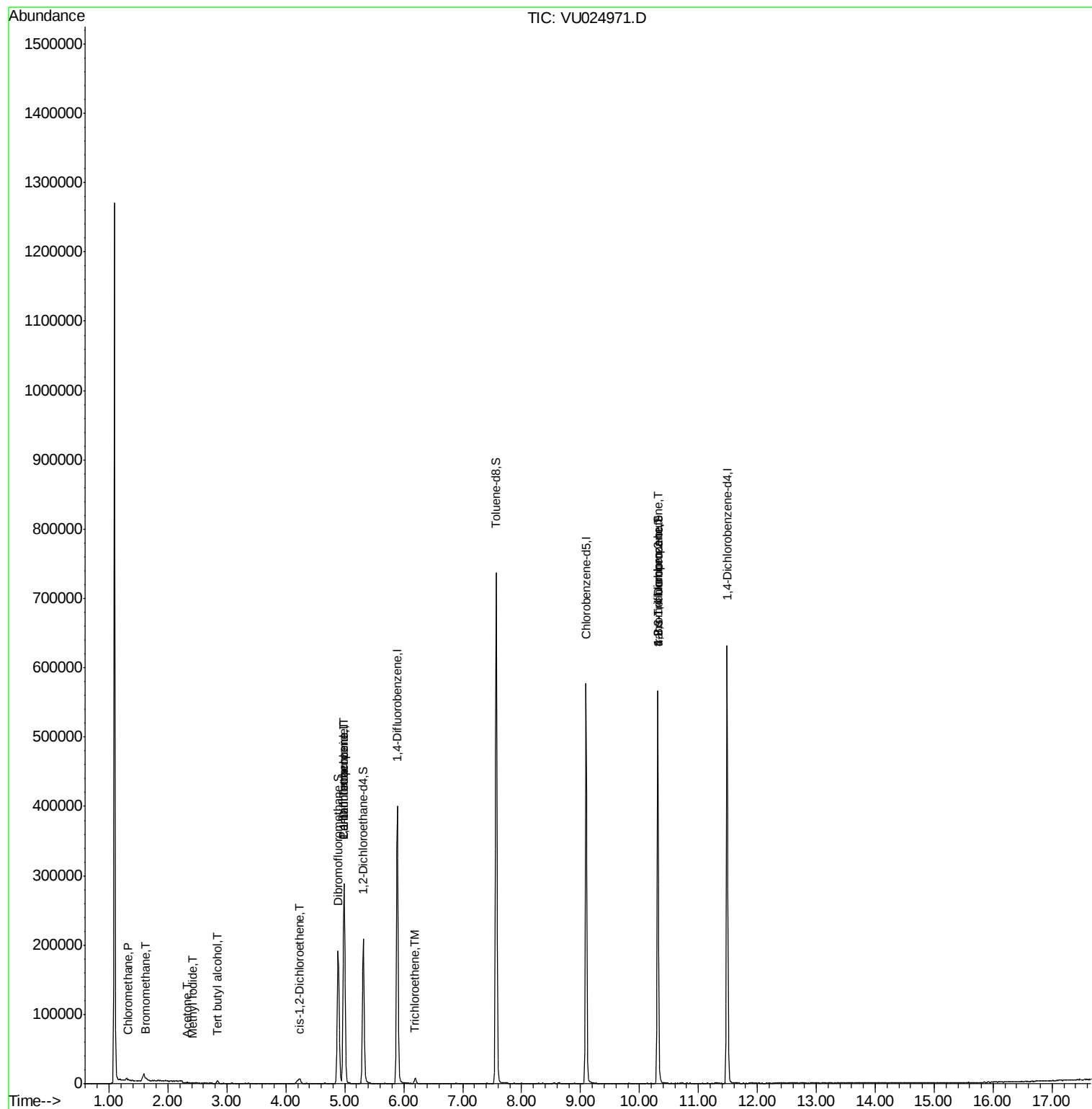
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	227189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	335634	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	310178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167653	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	169908	45.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.62%	
35) Dibromofluoromethane	4.89	113	129698	46.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.12%	
50) Toluene-d8	7.57	98	484477	47.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	10.31	95	181697	45.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.08%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	725	0.250	ug/l #	84
5) Bromomethane	1.63	94	534	0.369	ug/l #	77
6) Chloroethane	1.70	64	45	Below Cal	#	43
10) Methyl Iodide	2.42	142	160	5.348	ug/l #	40
11) Tert butyl alcohol	2.83	59	2212	2.452	ug/l #	74
16) Acetone	2.33	43	906	0.455	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	3194	0.975	ug/l	95
31) Cyclohexane	4.98	56	4484	Below Cal	#	7
36) 1,1-Dichloropropene	4.99	75	16240	4.118	ug/l #	51
38) Carbon Tetrachloride	4.99	117	21797	5.026	ug/l #	17
44) Trichloroethene	6.19	130	3070	0.960	ug/l	95
76) 1,2,3-Trichloropropane	10.31	75	93609	25.361	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	93609	58.695	ug/l #	100

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

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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: VU024971.D

Acq: 27 Jun 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

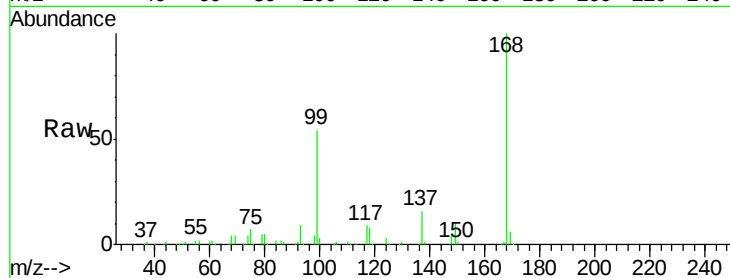
WP021SB475-29-31-180620ME

Tgt Ion:168 Resp: 227189

Ion Ratio Lower Upper

168 100

99 54.3 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

120000

100000

80000

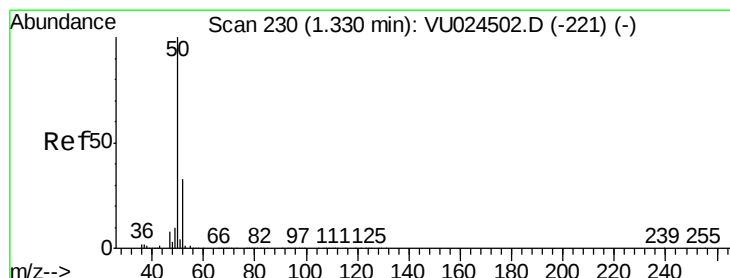
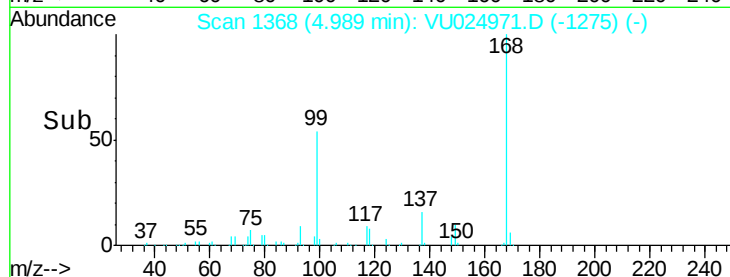
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.250 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024971.D

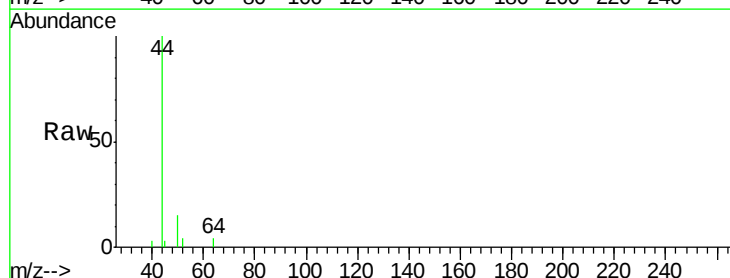
Acq: 27 Jun 2018 17:04

Tgt Ion: 50 Resp: 725

Ion Ratio Lower Upper

50 100

52 24.1 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

800

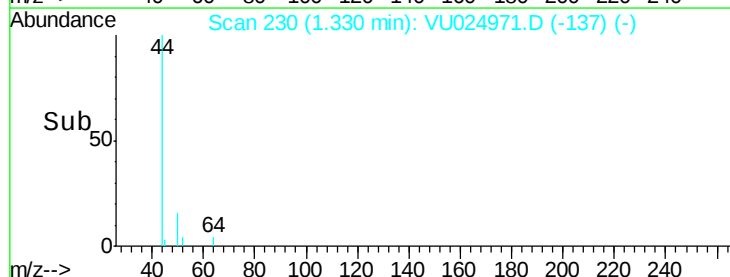
600

400

200

0

Time-->





#5

Bromomethane

Concen: 0.369 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024971.D

Acq: 27 Jun 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

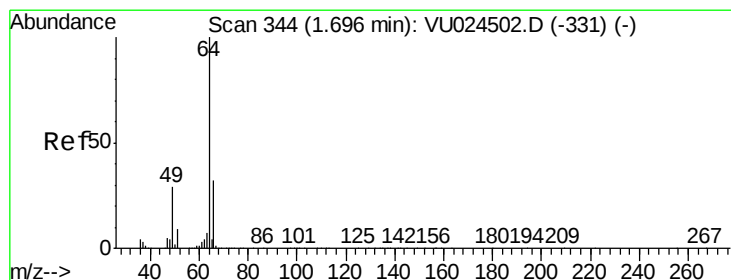
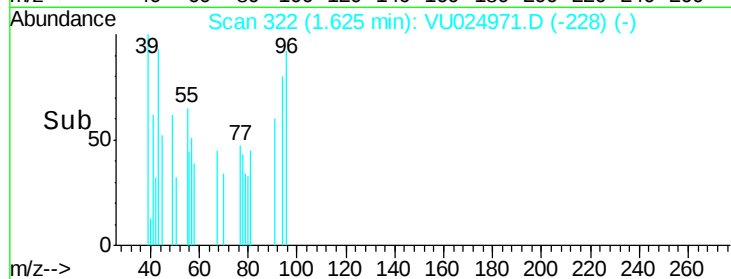
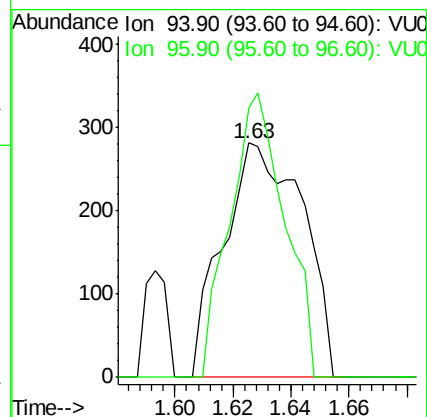
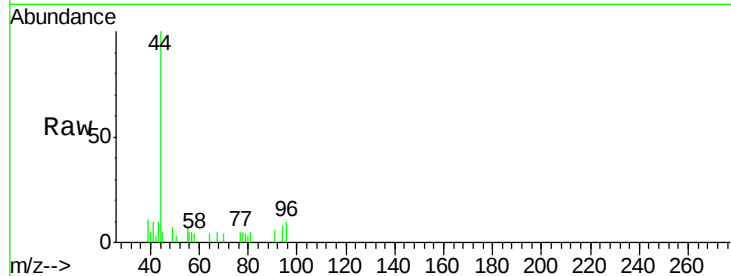
WP021SB475-29-31-180620ME

Tgt Ion: 94 Resp: 534

Ion Ratio Lower Upper

94 100

96 114.9 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024971.D

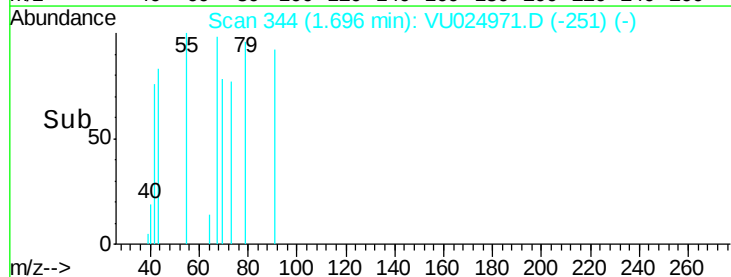
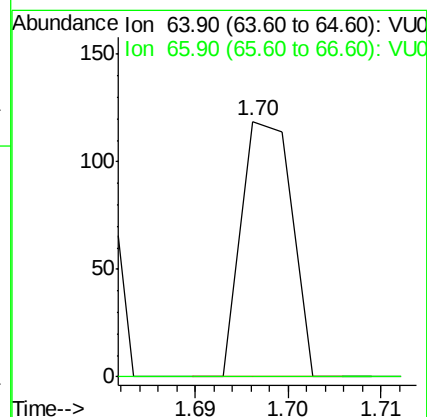
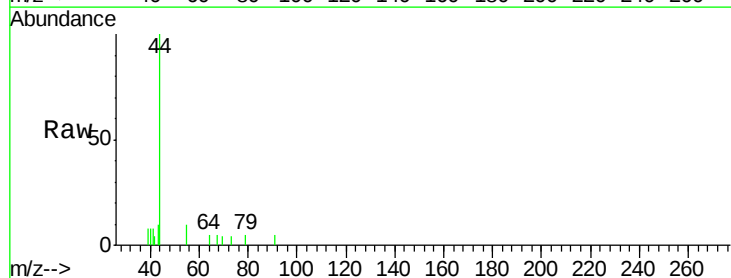
Acq: 27 Jun 2018 17:04

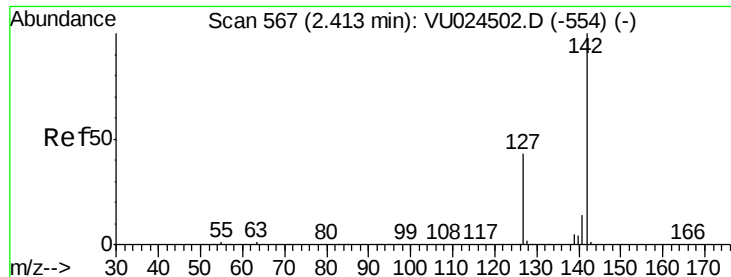
Tgt Ion: 64 Resp: 45

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

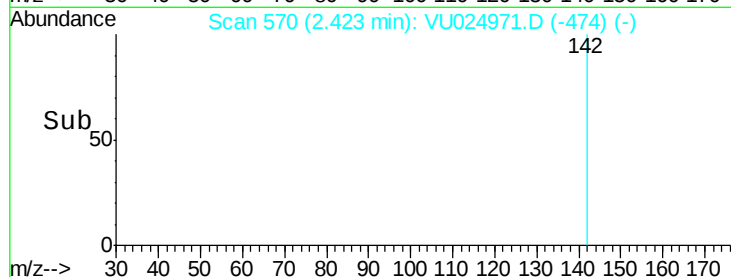
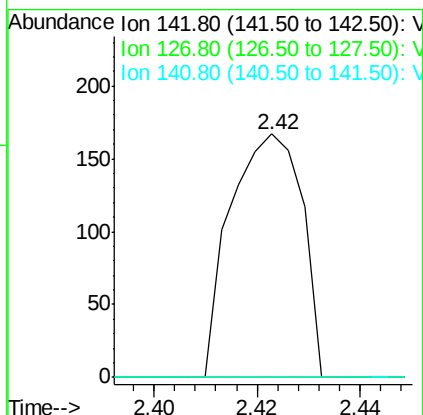
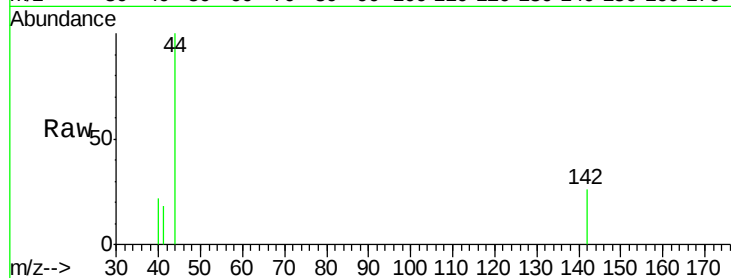




#10
Methyl Iodide
Concen: 5.348 ug/l
RT: 2.42 min Scan# 570
Delta R.T. 0.01 min
Lab File: VU024971.D
Acq: 27 Jun 2018 17:04

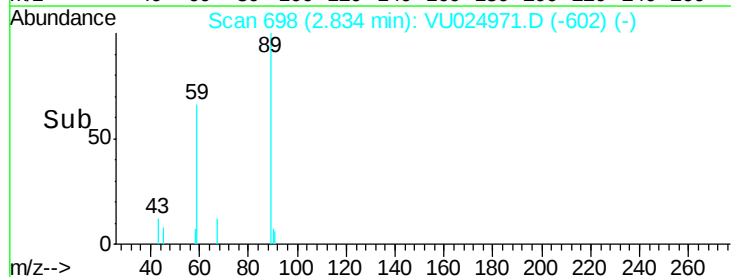
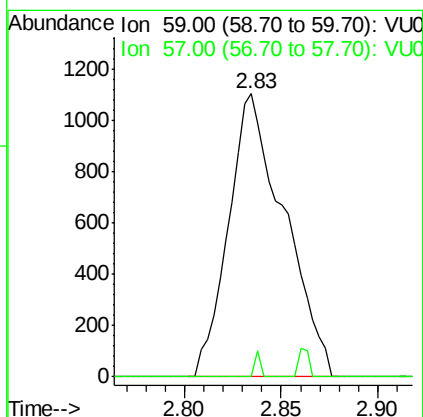
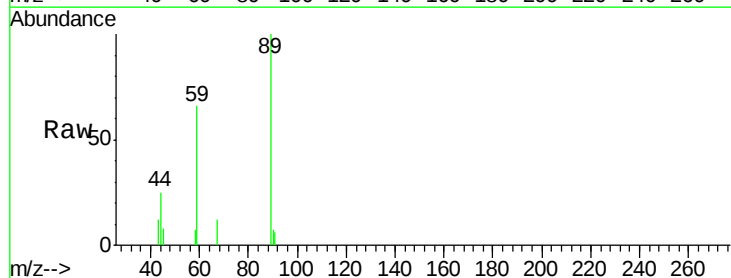
Instrument :
MSVOA_U
ClientSampleId :
WP021SB475-29-31-180620ME

Tgt Ion: 142 Resp: 160
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: 2.452 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU024971.D
Acq: 27 Jun 2018 17:04

Tgt Ion: 59 Resp: 2212
Ion Ratio Lower Upper
59 100
57 0.9 8.5 12.7#





#16

Acetone

Concen: 0.455 ug/l

RT: 2.33 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU024971.D

Acq: 27 Jun 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

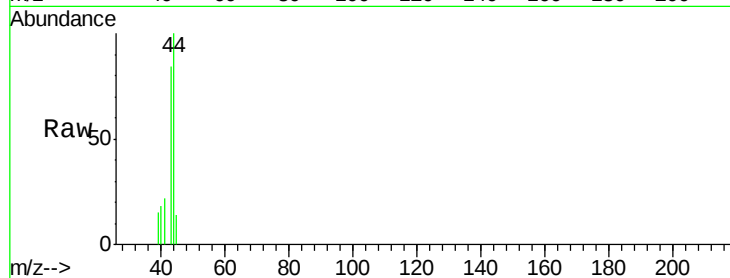
WP021SB475-29-31-180620ME

Tgt Ion: 43 Resp: 906

Ion Ratio Lower Upper

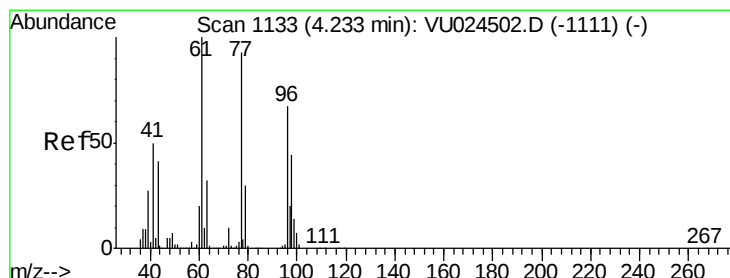
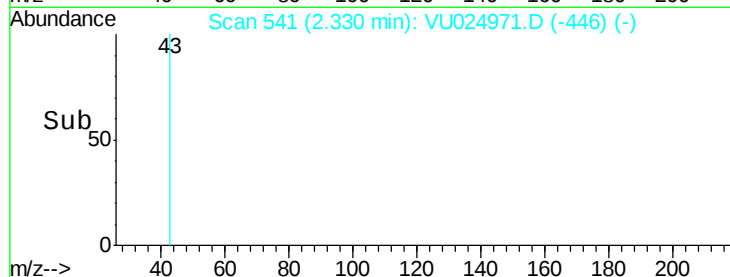
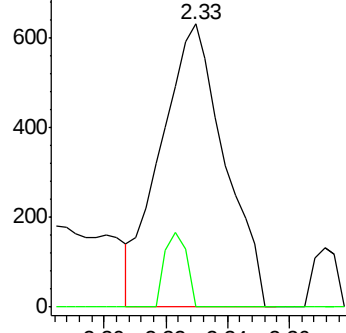
43 100

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



#27

cis-1,2-Dichloroethene

Concen: 0.975 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VU024971.D

Acq: 27 Jun 2018 17:04

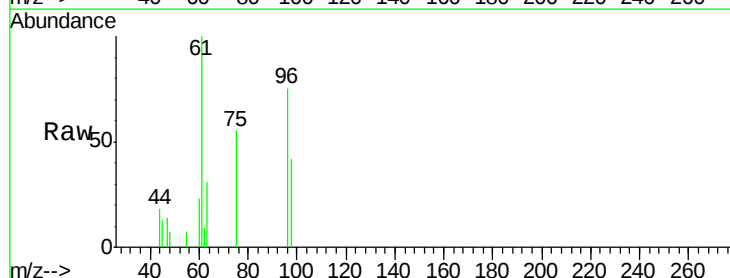
Tgt Ion: 96 Resp: 3194

Ion Ratio Lower Upper

96 100

61 158.6 0.0 306.6

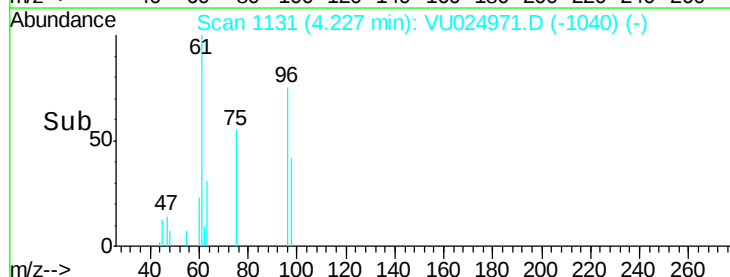
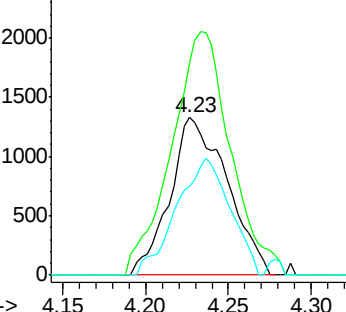
98 69.3 0.0 128.8

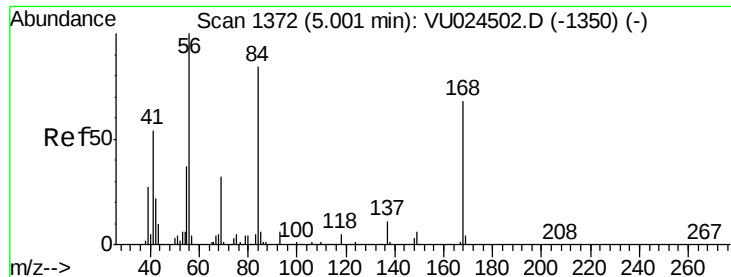


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

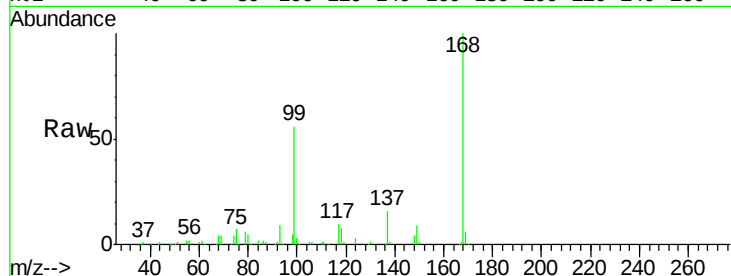




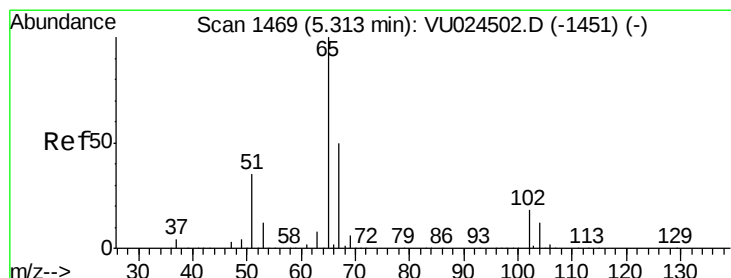
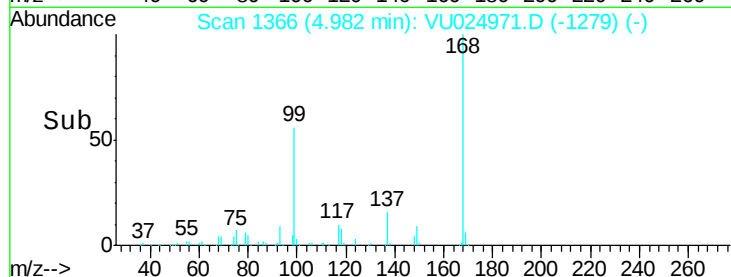
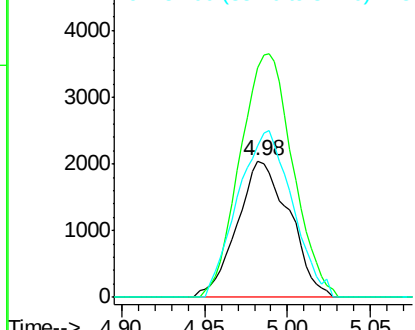
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU024971.D
Acq: 27 Jun 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
WP021SB475-29-31-180620ME

Tgt Ion: 56 Resp: 4484
Ion Ratio Lower Upper
56 100
69 168.2 24.8 37.2#
84 111.0 65.2 97.8#

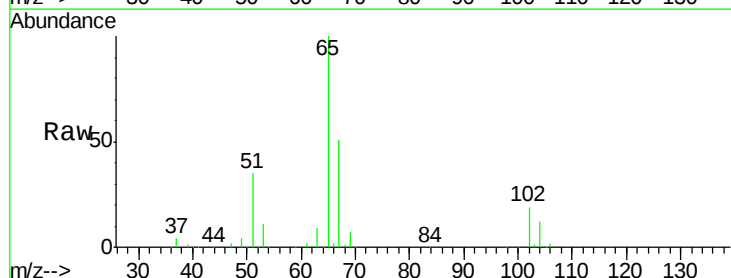


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

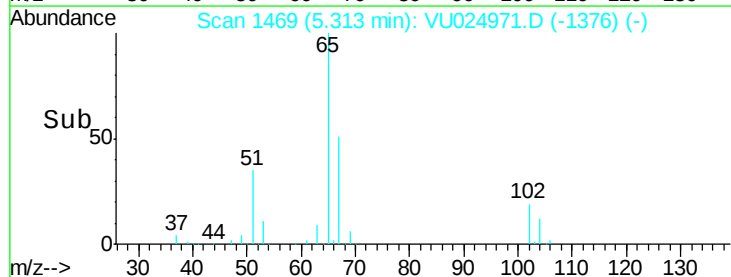
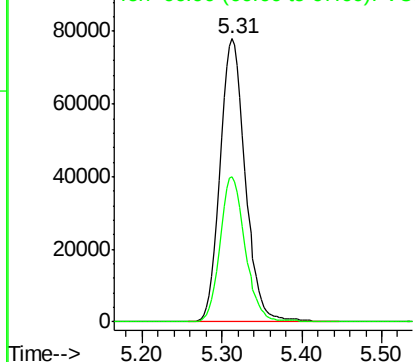


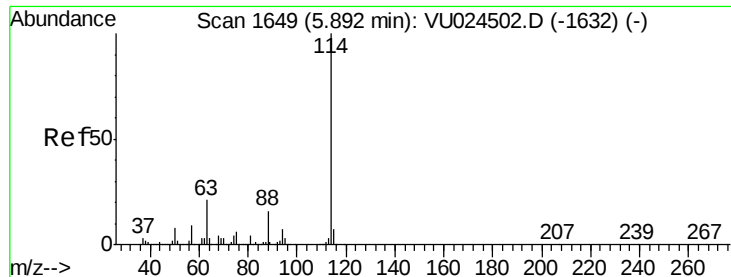
#33
1,2-Dichloroethane-d4
Concen: 45.811 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024971.D
Acq: 27 Jun 2018 17:04

Tgt Ion: 65 Resp: 169908
Ion Ratio Lower Upper
65 100
67 50.6 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: VU024971.D

Acq: 27 Jun 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-29-31-180620ME

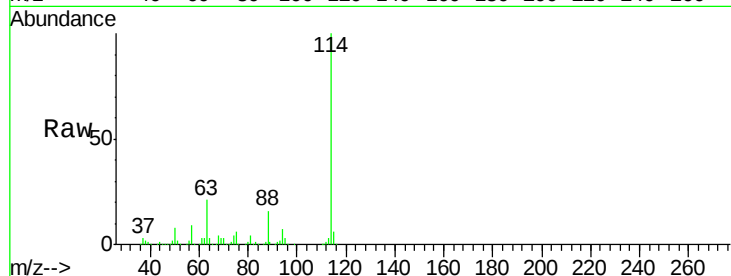
Tgt Ion:114 Resp: 335634

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.4

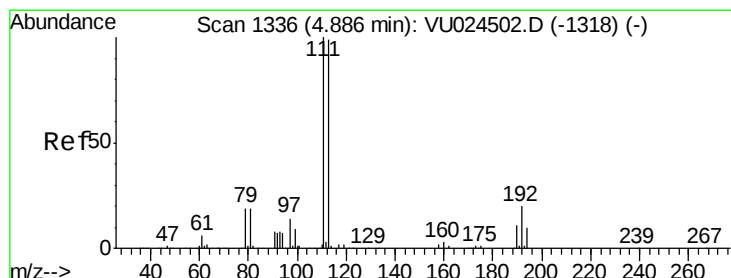
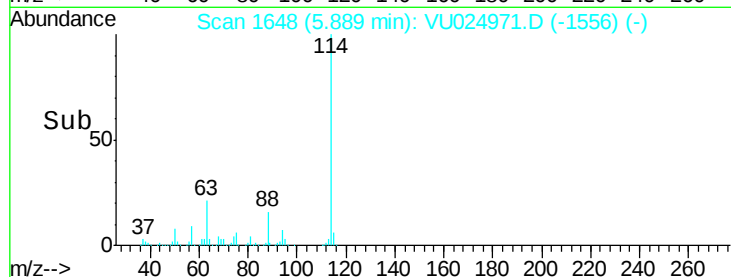
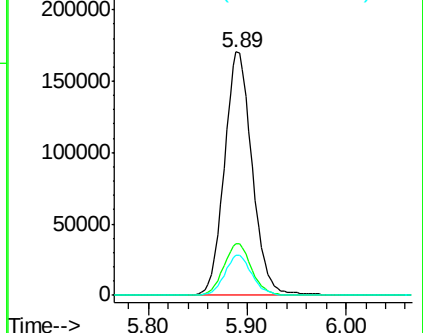
88 16.3 0.0 31.0



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: 46.562 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024971.D

Acq: 27 Jun 2018 17:04

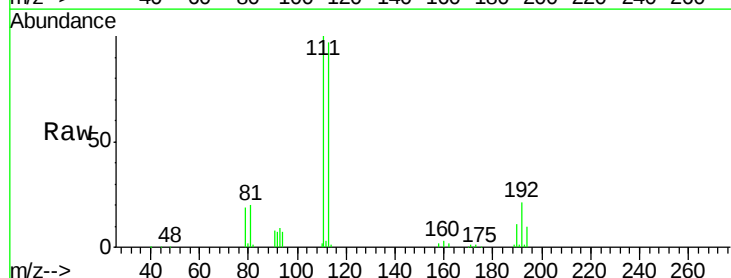
Tgt Ion:113 Resp: 129698

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

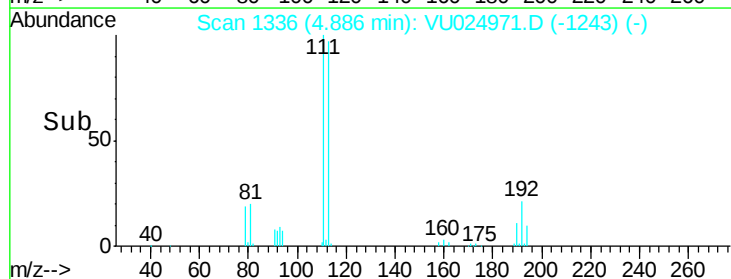
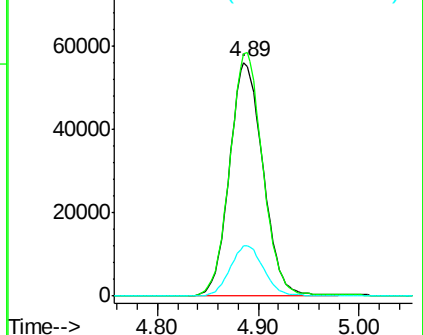
192 21.5 16.2 24.4

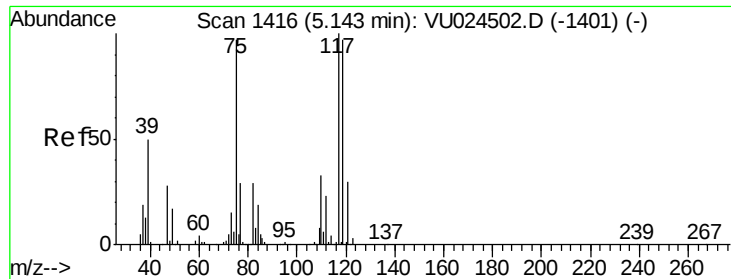


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.118 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024971.D

Acq: 27 Jun 2018 17:04

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WP021SB475-29-31-180620ME

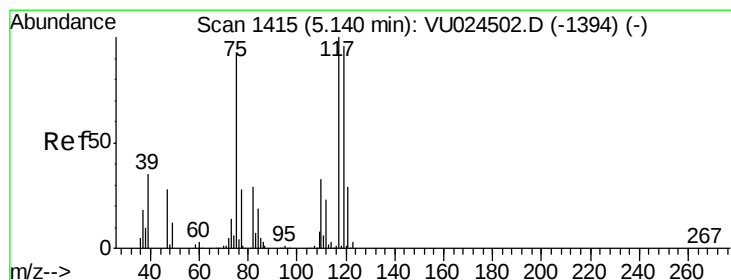
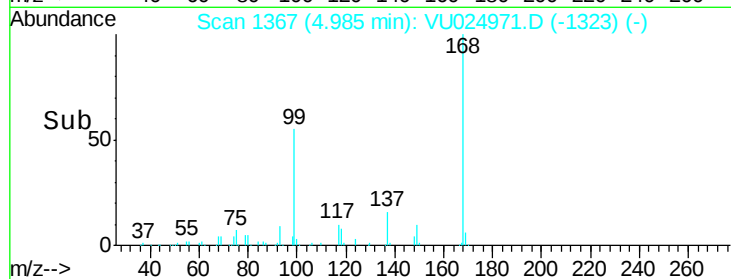
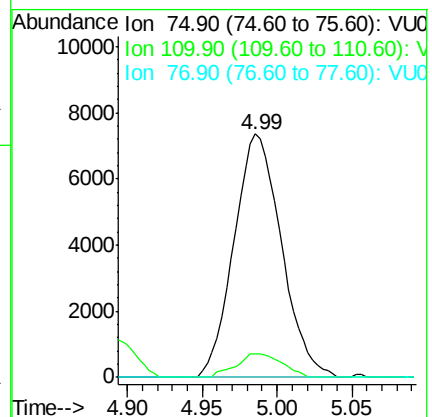
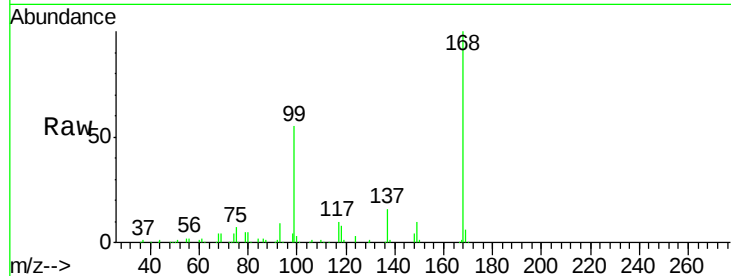
Tgt Ion: 75 Resp: 16240

Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.026 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024971.D

Acq: 27 Jun 2018 17:04

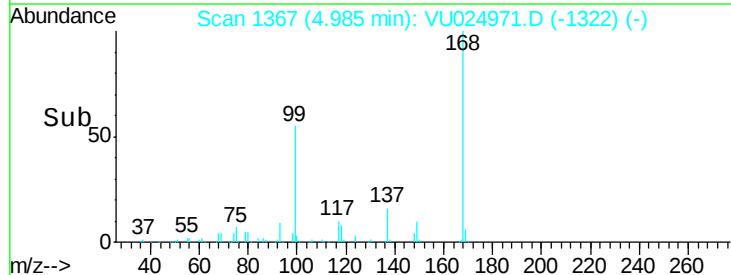
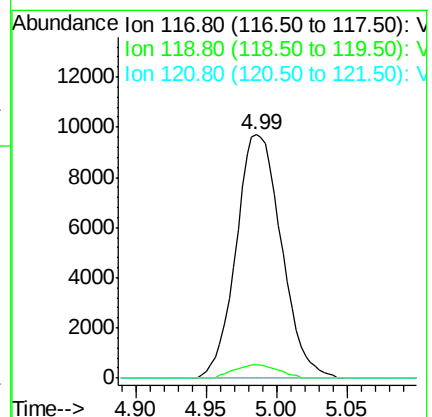
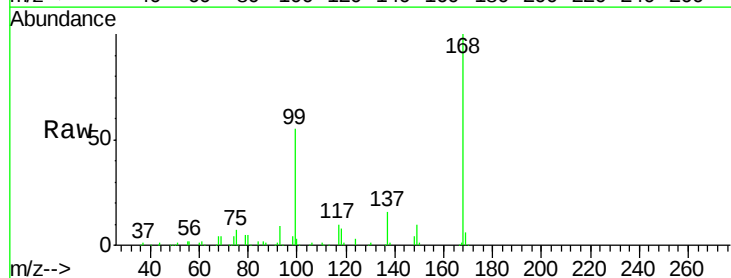
Tgt Ion: 117 Resp: 21797

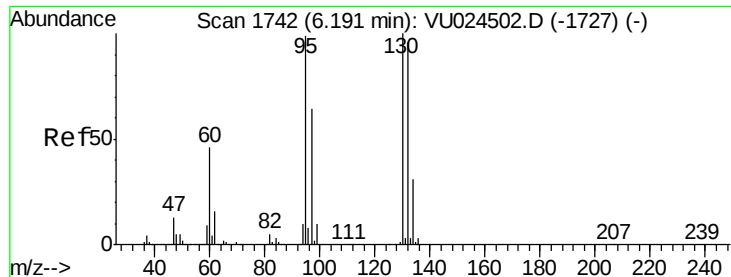
Ion Ratio Lower Upper

117 100

119 5.5 76.1 114.1#

121 0.0 23.7 35.5#





#44

Trichloroethene

Concen: 0.960 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024971.D

Acq: 27 Jun 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

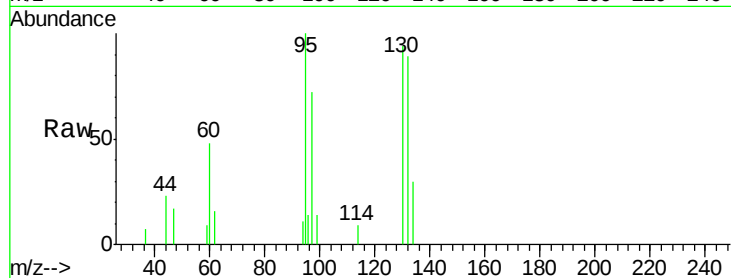
WP021SB475-29-31-180620ME

Tgt Ion:130 Resp: 3070

Ion Ratio Lower Upper

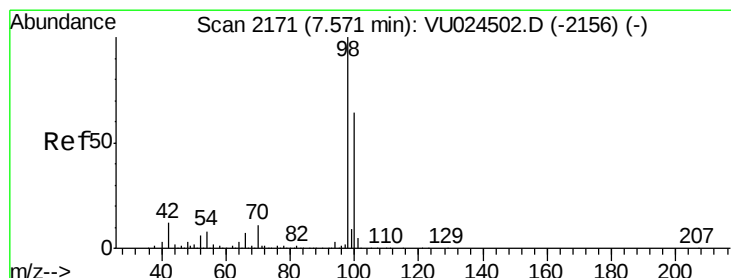
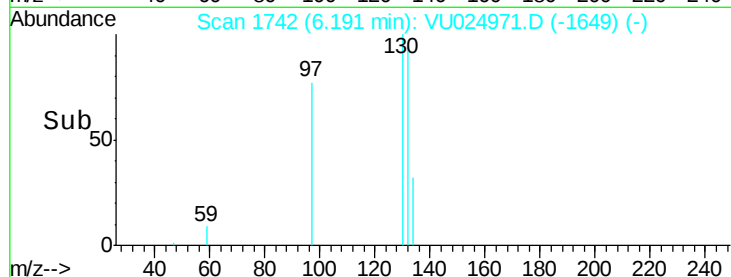
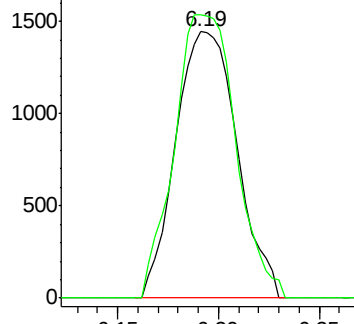
130 100

95 106.2 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: 47.683 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024971.D

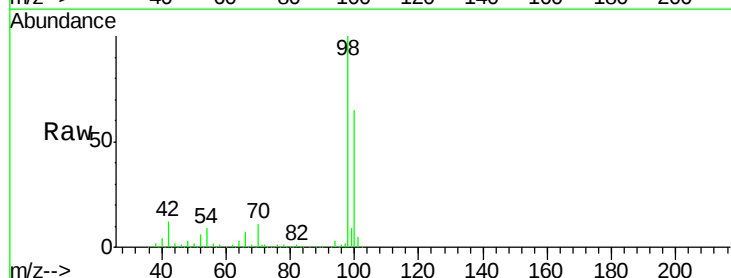
Acq: 27 Jun 2018 17:04

Tgt Ion: 98 Resp: 484477

Ion Ratio Lower Upper

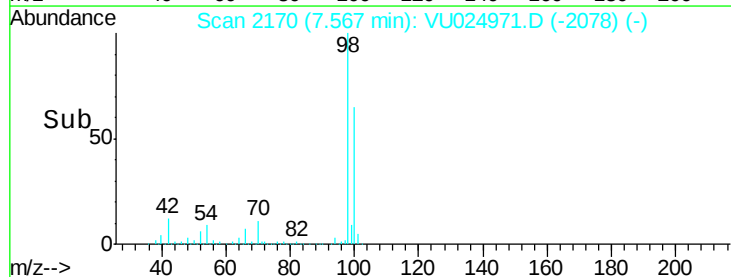
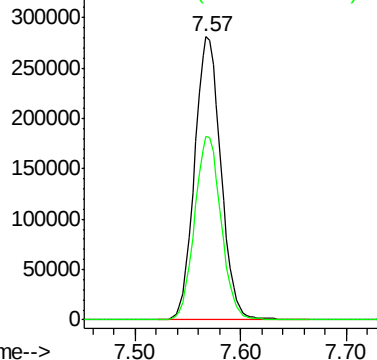
98 100

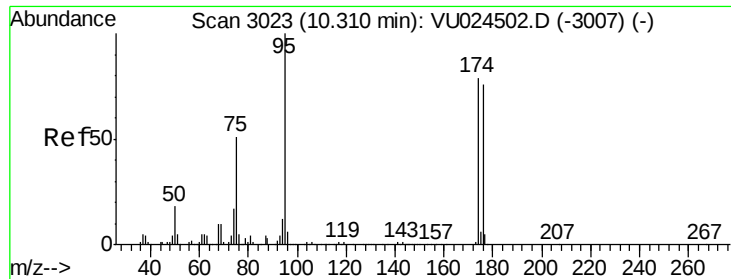
100 64.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 45.040 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024971.D

Acq: 27 Jun 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-29-31-180620ME

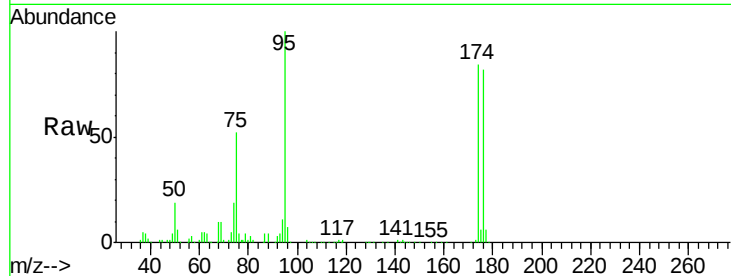
Tgt Ion: 95 Resp: 181697

Ion Ratio Lower Upper

95 100

174 84.1 0.0 165.8

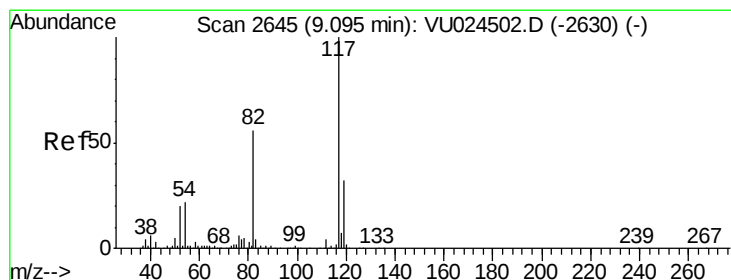
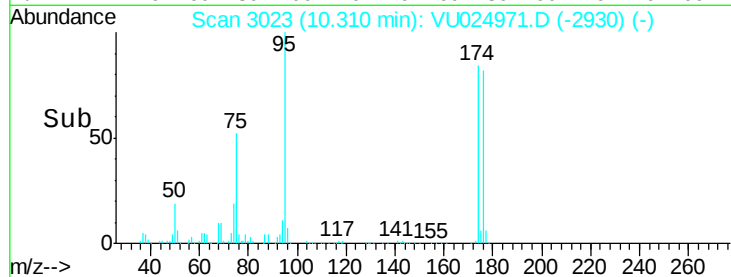
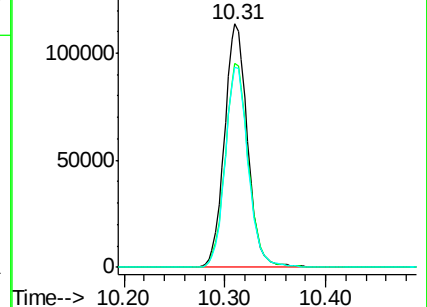
176 82.3 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024971.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024971.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024971.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024971.D

Acq: 27 Jun 2018 17:04

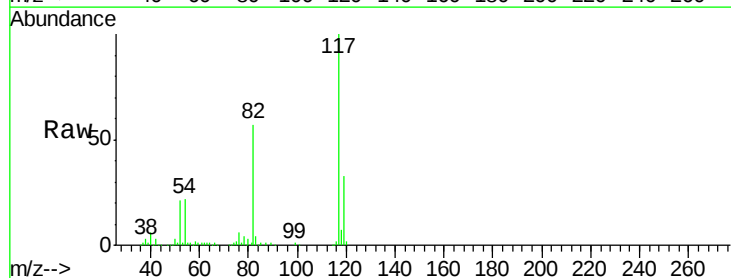
Tgt Ion: 117 Resp: 310178

Ion Ratio Lower Upper

117 100

82 56.8 44.3 66.5

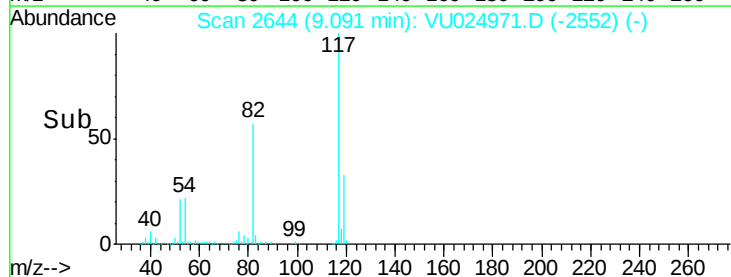
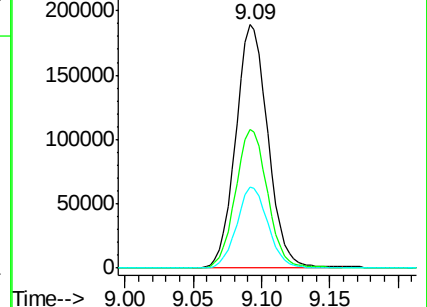
119 33.2 25.4 38.2

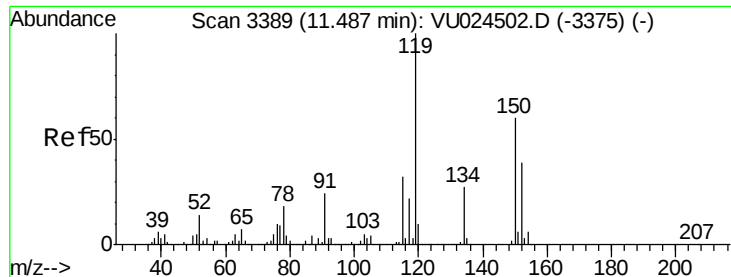


Abundance Ion 116.90 (116.60 to 117.60): VU024971.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024971.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024971.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024971.D

Acq: 27 Jun 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-29-31-180620ME

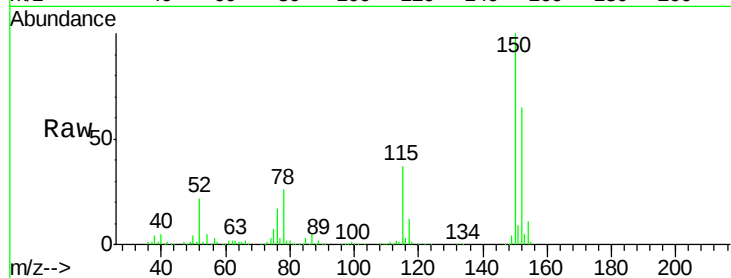
Tgt Ion:152 Resp: 167653

Ion Ratio Lower Upper

152 100

115 57.0 43.0 129.0

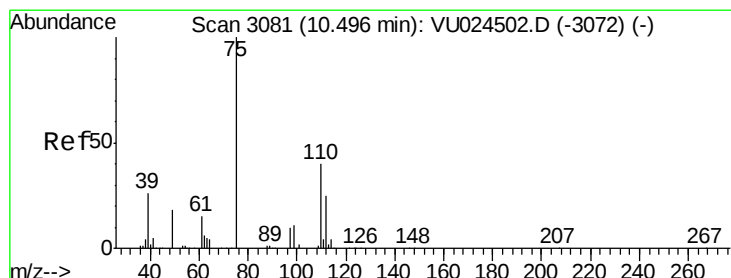
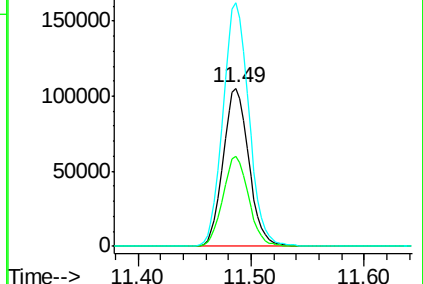
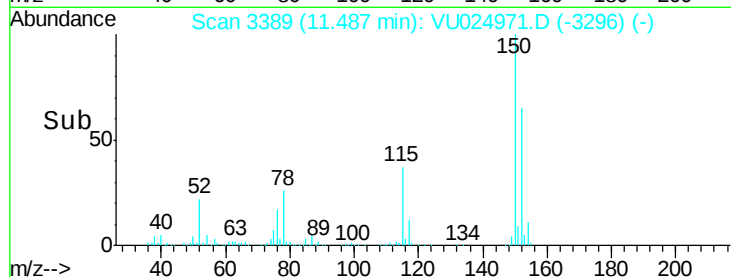
150 154.9 0.0 354.0



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: 25.361 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024971.D

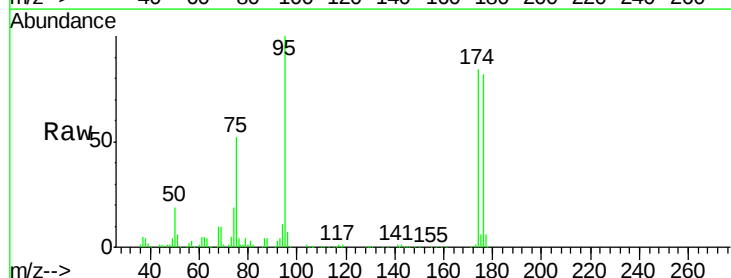
Acq: 27 Jun 2018 17:04

Tgt Ion: 75 Resp: 93609

Ion Ratio Lower Upper

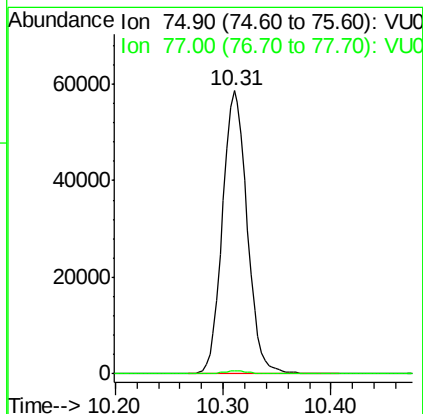
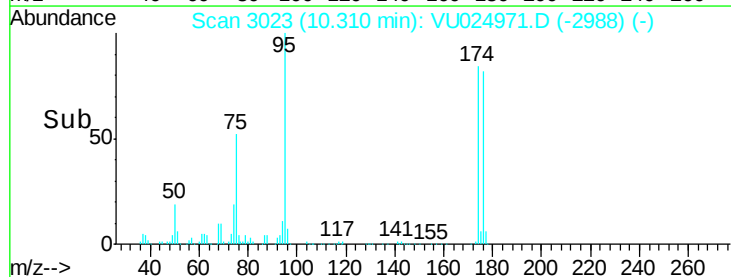
75 100

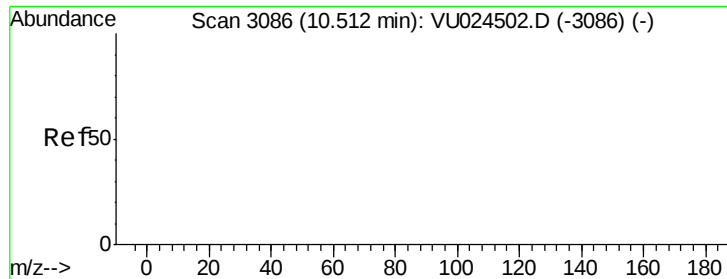
77 1.2 20.9 62.7#



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: 58.695 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024971.D

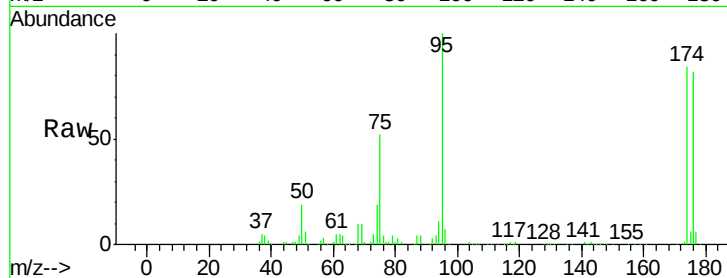
Acq: 27 Jun 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-29-31-180620ME



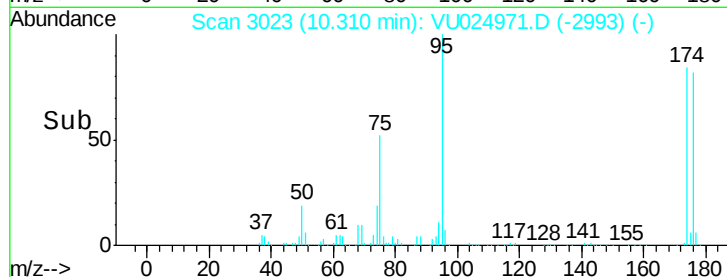
Tgt Ion: 75 Resp: 93609

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

