

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024963.D
 Acq On : 27 Jun 2018 13:50
 Operator : MD/SY
 Sample : J3669-19MEDL 5X
 Misc : 6.02g/5.0mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-27-29-180620MEDL

Quant Time: Jun 28 02:25:13 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	229651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	340685	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	312212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	172198	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	170424	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	
35) Dibromofluoromethane	4.89	113	132576	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	7.57	98	484086	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
62) 4-Bromofluorobenzene	10.31	95	183287	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	

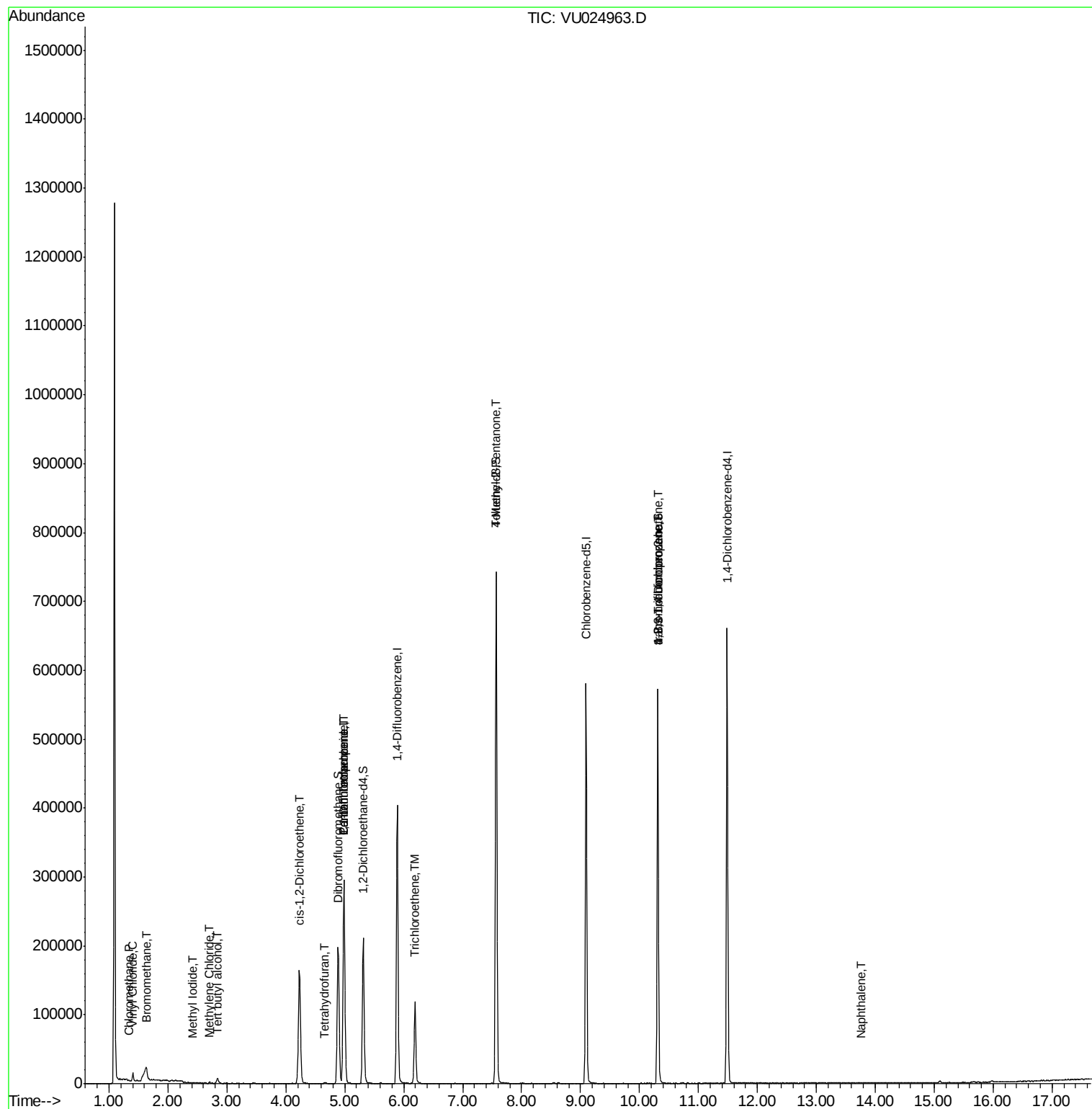
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	653	0.222	ug/l #	87
4) Vinyl Chloride	1.40	62	7512	2.480	ug/l	96
5) Bromomethane	1.62	94	844	0.576	ug/l	99
6) Chloroethane	1.68	64	109	Below Cal	#	1
8) Diethyl Ether	2.22	74	46	Below Cal	#	1
10) Methyl Iodide	2.41	142	356	5.420	ug/l #	40
11) Tert butyl alcohol	2.84	59	4321	4.739	ug/l #	72
20) Methylene Chloride	2.70	84	751	0.238	ug/l	88
27) cis-1,2-Dichloroethene	4.23	96	92330	27.885	ug/l	87
29) Tetrahydrofuran	4.66	42	599	0.357	ug/l #	48
31) Cyclohexane	4.98	56	4378	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16778	4.191	ug/l #	51
38) Carbon Tetrachloride	4.99	117	22119	5.024	ug/l #	16
44) Trichloroethene	6.19	130	42146	12.982	ug/l	99
51) 4-Methyl-2-Pentanone	7.57	43	2185	0.461	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	96908	25.561	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	96908	59.160	ug/l #	100
95) Naphthalene	13.76	128	417	0.712	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# 1367

Delta R.T. -0.00 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

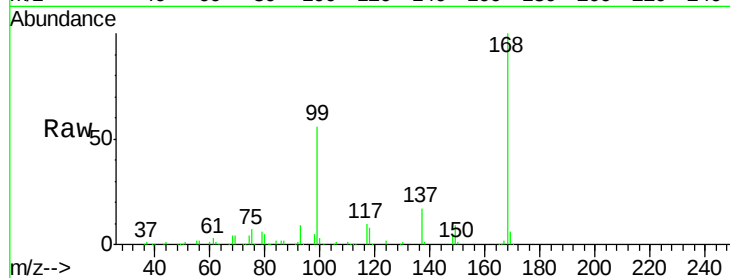
WP021SB475-27-29-180620MEDL

Tgt Ion:168 Resp: 229651

Ion Ratio Lower Upper

168 100

99 55.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024963.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024963.D (-1275) (-)

4.99

120000

100000

80000

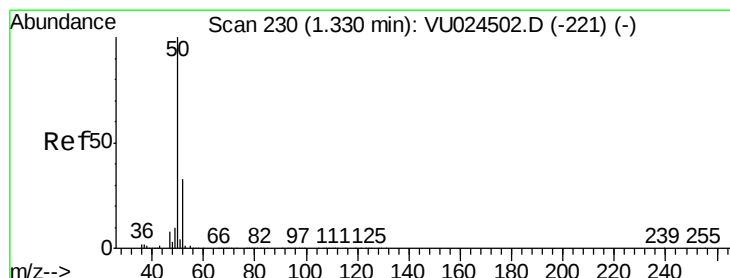
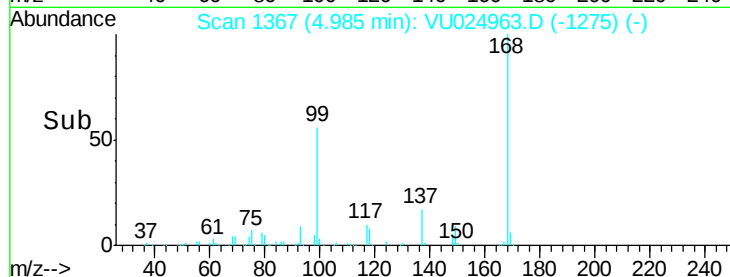
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.222 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024963.D

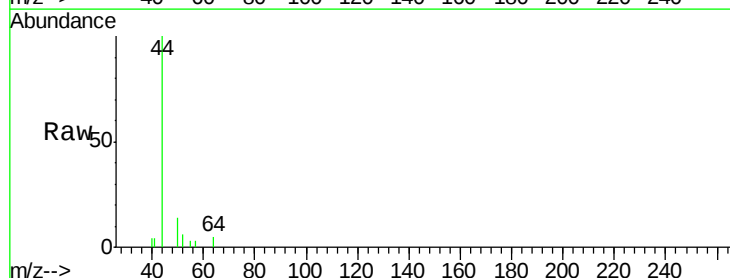
Acq: 27 Jun 2018 13:50

Tgt Ion: 50 Resp: 653

Ion Ratio Lower Upper

50 100

52 40.4 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024963.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024963.D (-137) (-)

1.33

600

500

400

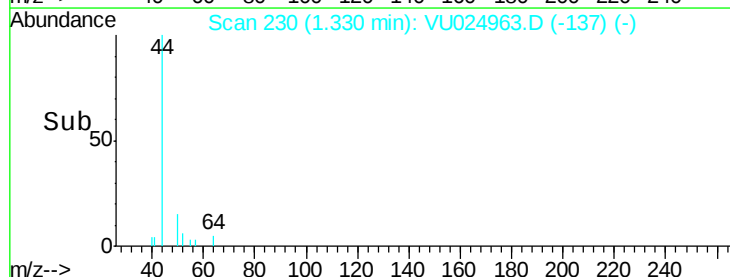
300

200

100

0

Time-->





#4

Vinyl Chloride

Concen: 2.480 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

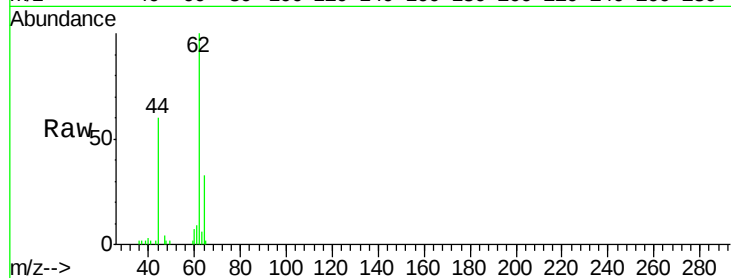
WP021SB475-27-29-180620MEDL

Tgt Ion: 62 Resp: 7512

Ion Ratio Lower Upper

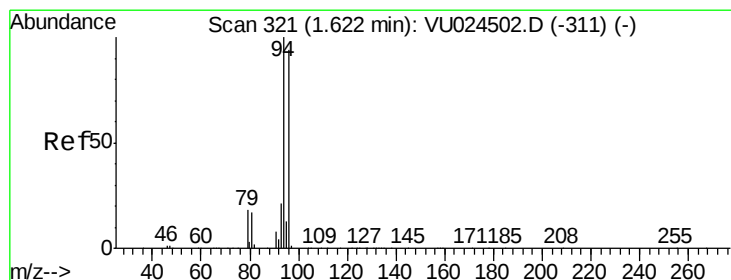
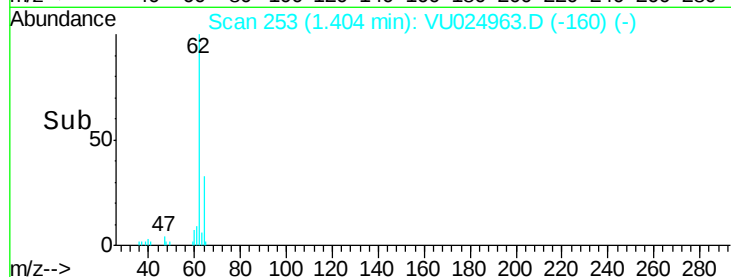
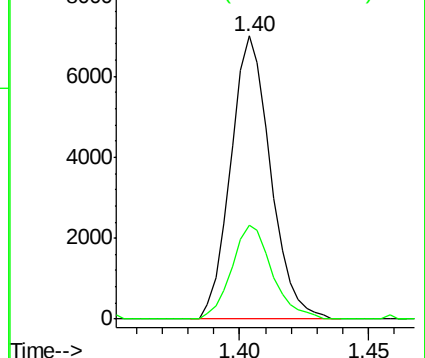
62 100

64 33.3 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.576 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU024963.D

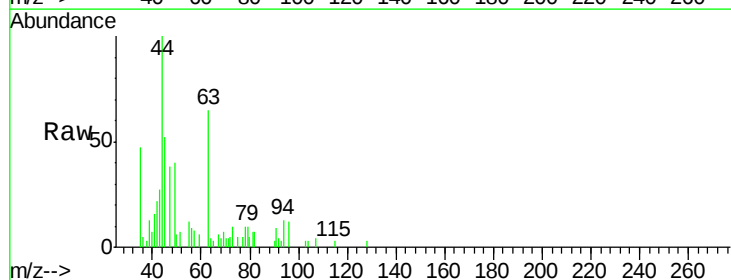
Acq: 27 Jun 2018 13:50

Tgt Ion: 94 Resp: 844

Ion Ratio Lower Upper

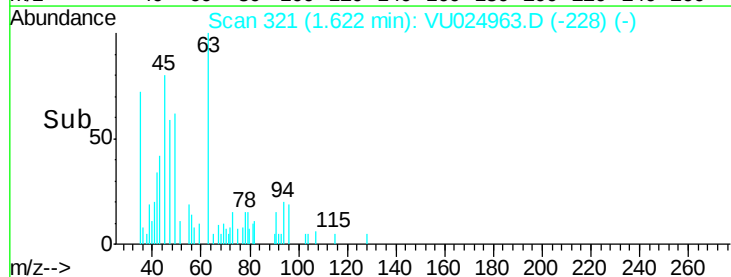
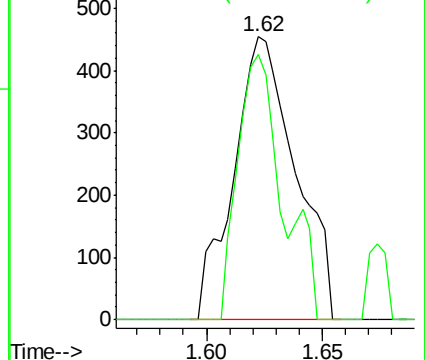
94 100

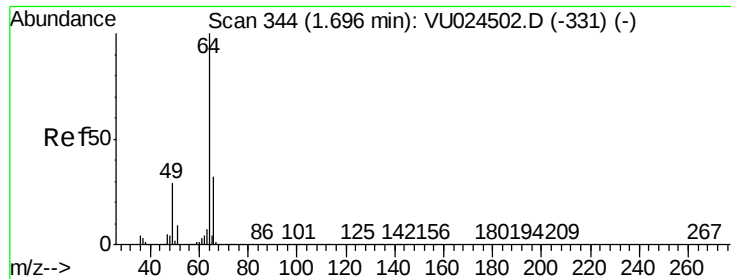
96 93.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 339

Delta R.T. -0.02 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

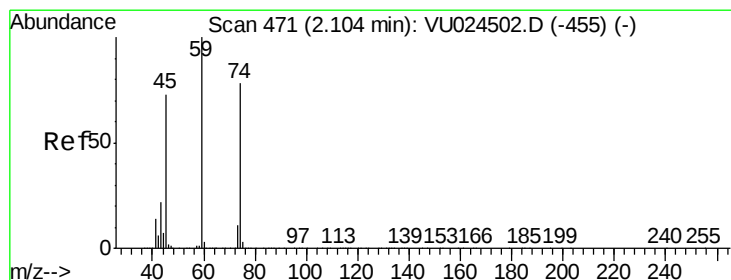
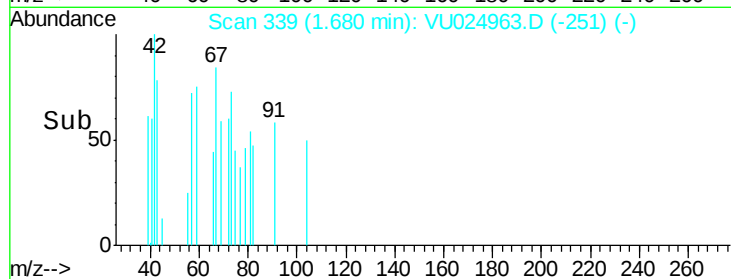
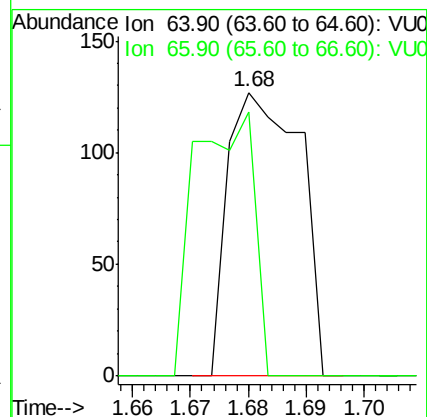
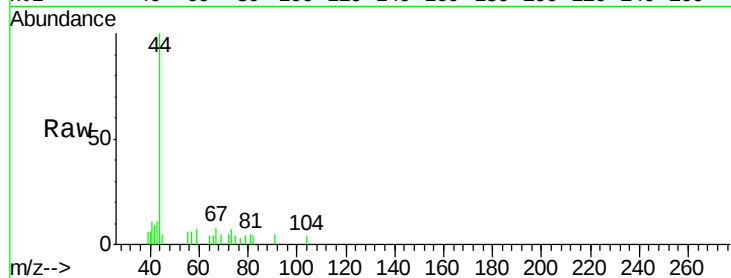
WP021SB475-27-29-180620MEDL

Tgt Ion: 64 Resp: 109

Ion Ratio Lower Upper

64 100

66 92.9 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.22 min Scan# 507

Delta R.T. 0.12 min

Lab File: VU024963.D

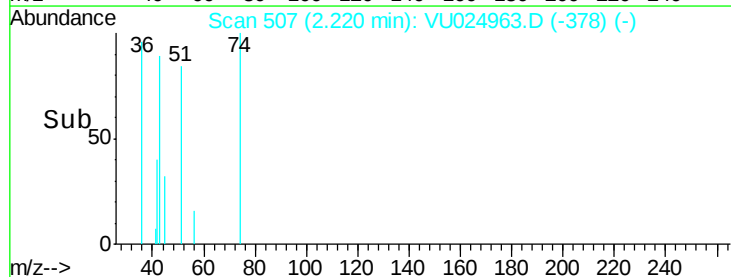
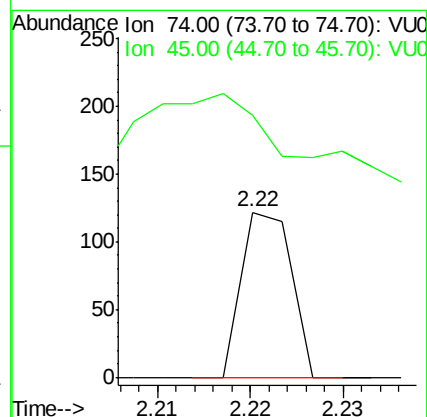
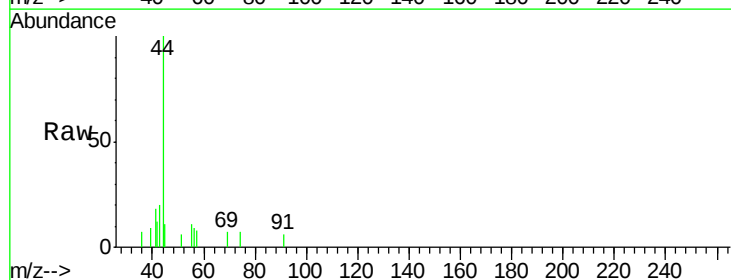
Acq: 27 Jun 2018 13:50

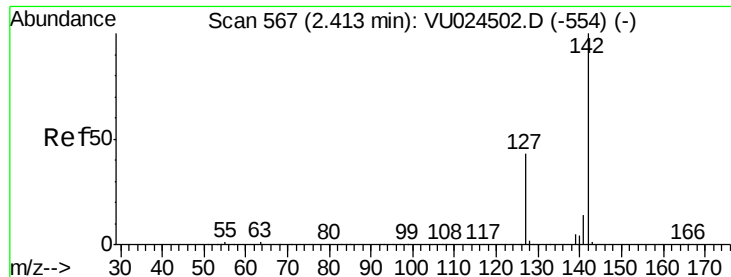
Tgt Ion: 74 Resp: 46

Ion Ratio Lower Upper

74 100

45 252.2 55.0 165.0#

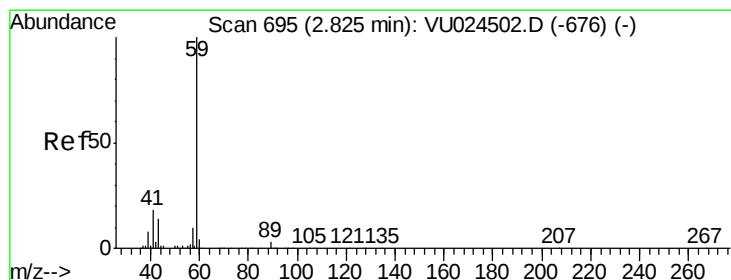
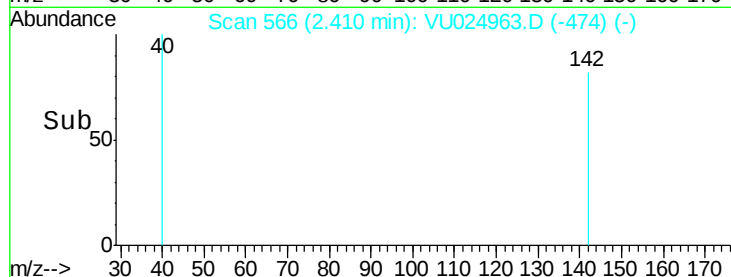
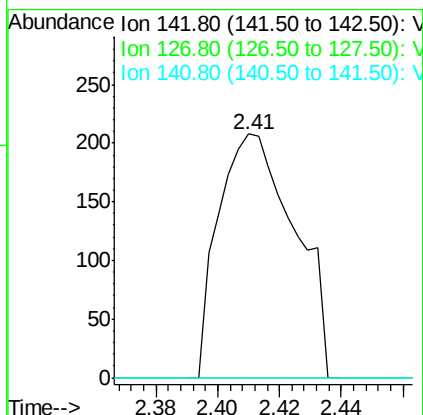
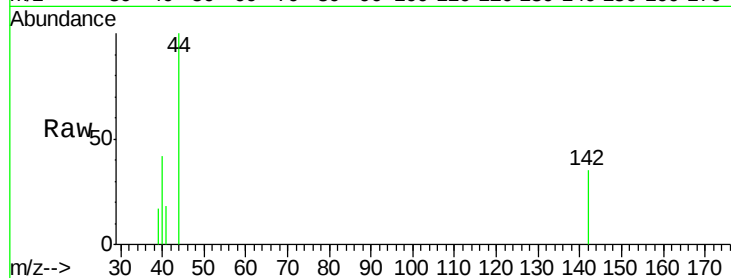




#10
Methyl Iodide
Concen: 5.420 ug/l
RT: 2.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VU024963.D
Acq: 27 Jun 2018 13:50

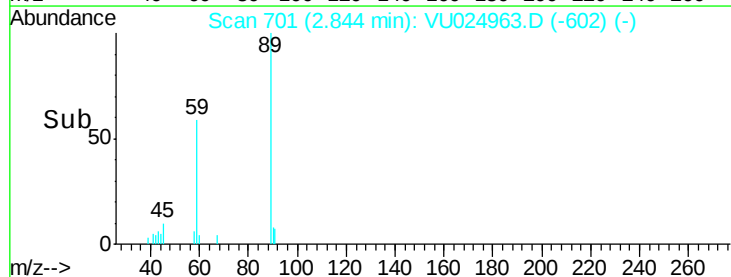
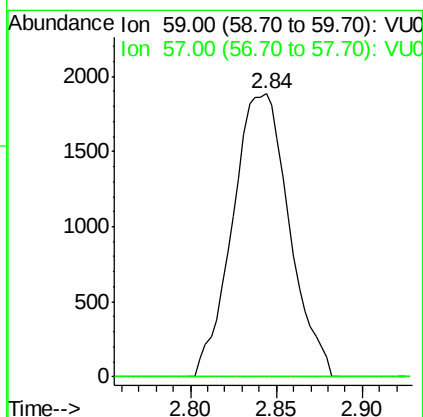
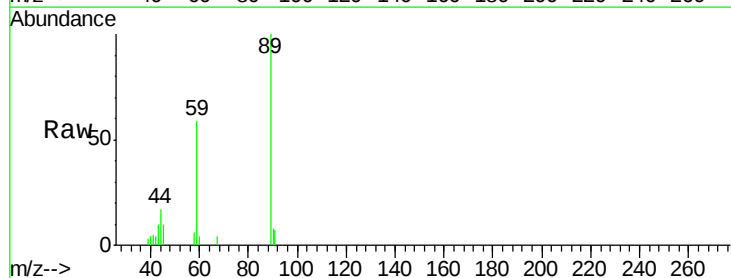
Instrument :
MSVOA_U
ClientSampleId :
WP021SB475-27-29-180620MEDL

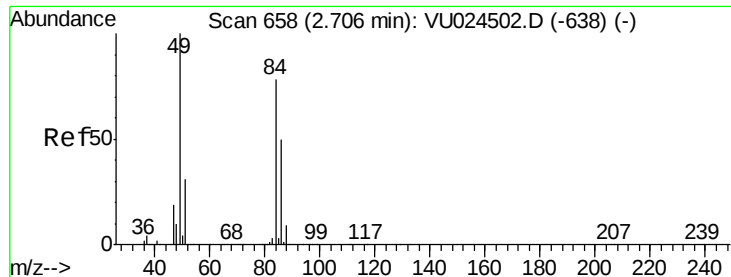
Tgt Ion:142 Resp: 356
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 4.739 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU024963.D
Acq: 27 Jun 2018 13:50

Tgt Ion: 59 Resp: 4321
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#20

Methylene Chloride

Concen: 0.238 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-27-29-180620MEDL

Tgt Ion: 84 Resp: 751

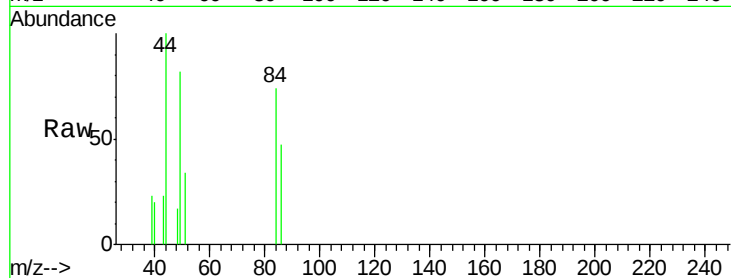
Ion Ratio Lower Upper

84 100

49 109.8 103.8 155.8

51 45.4 32.0 48.0

86 62.9 51.6 77.4

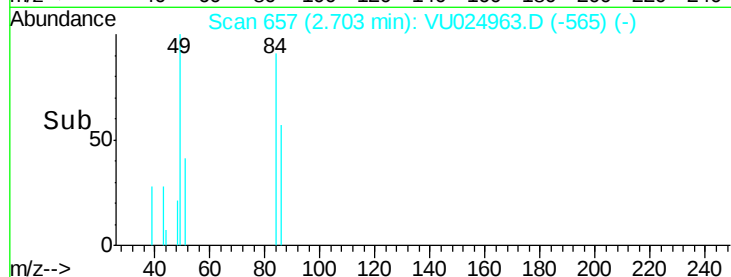
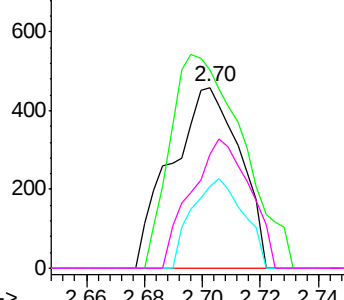


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#27

cis-1,2-Dichloroethene

Concen: 27.885 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

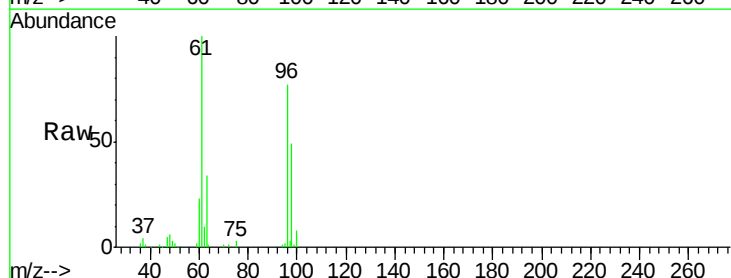
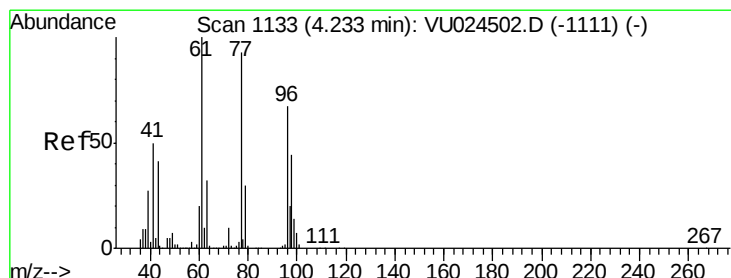
Tgt Ion: 96 Resp: 92330

Ion Ratio Lower Upper

96 100

61 130.2 0.0 306.6

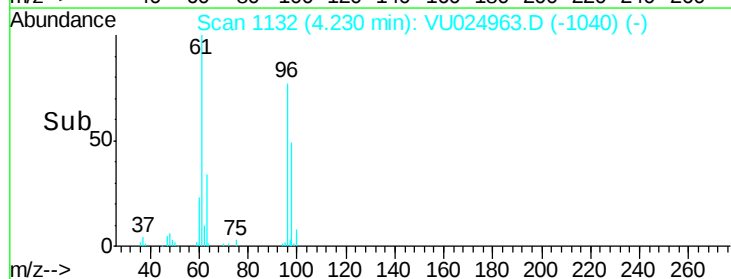
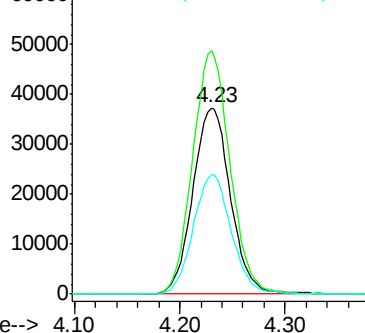
98 64.9 0.0 128.8

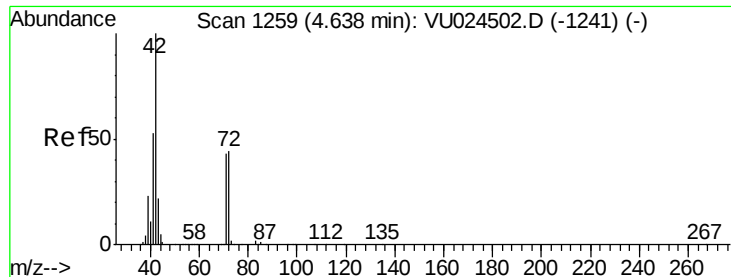


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#29

Tetrahydrofuran

Concen: 0.357 ug/l

RT: 4.66 min Scan# 1267

Delta R.T. 0.03 min

Lab File: VU024963.D

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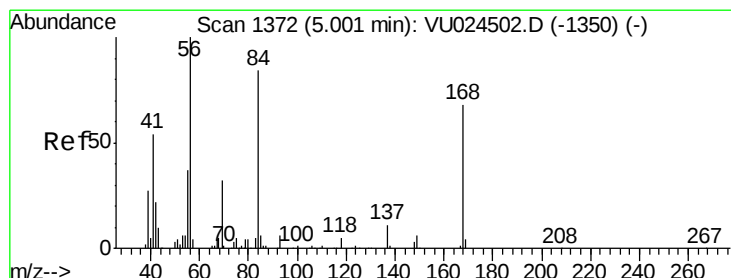
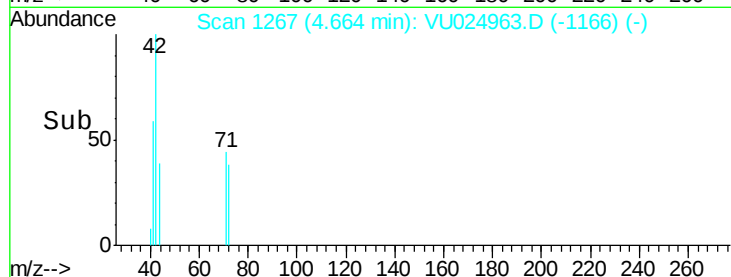
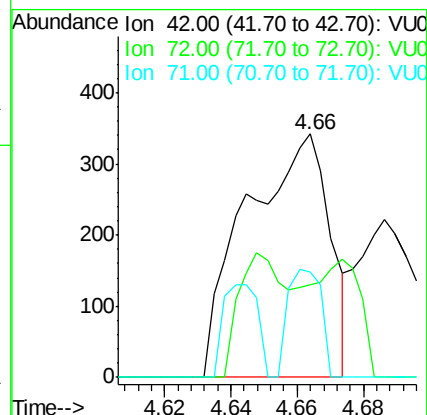
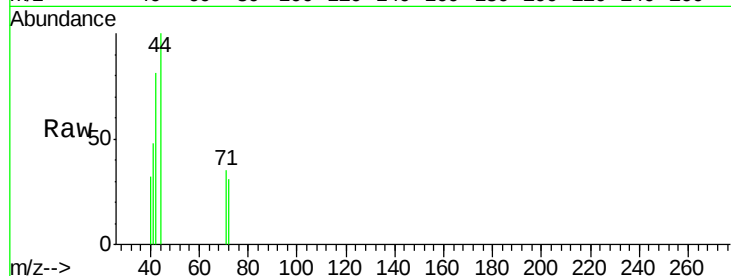
Tgt Ion: 42 Resp: 599

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 17.9 32.2 48.4#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

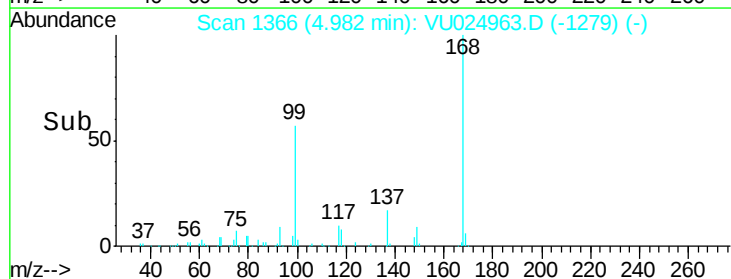
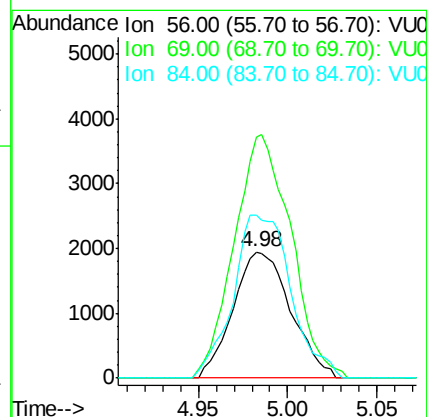
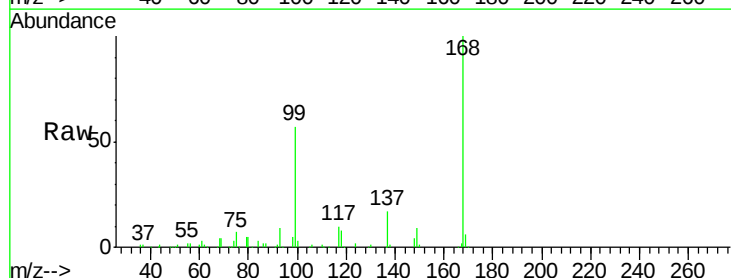
Tgt Ion: 56 Resp: 4378

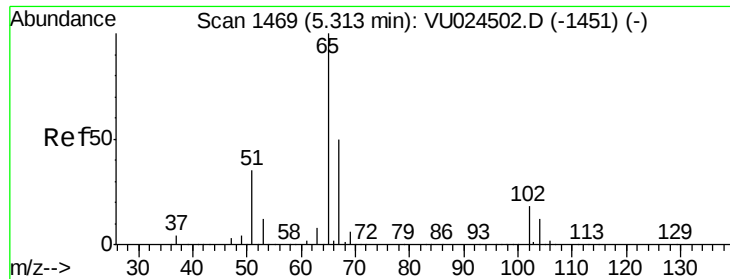
Ion Ratio Lower Upper

56 100

69 190.9 24.8 37.2#

84 129.4 65.2 97.8#

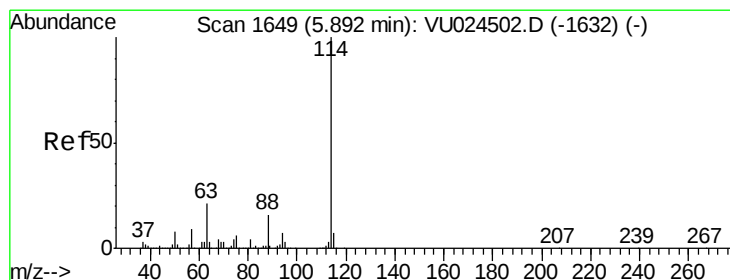
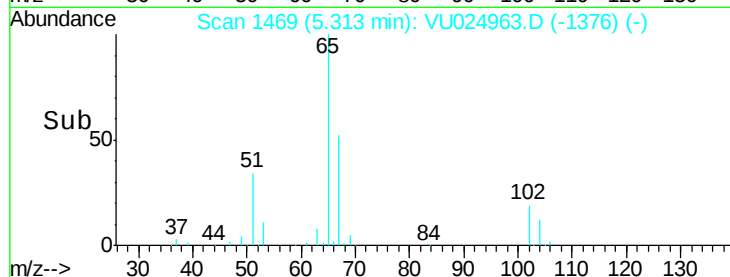
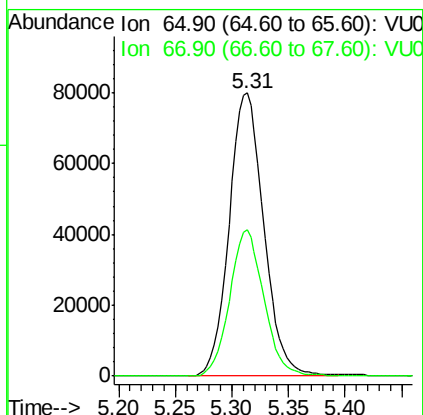
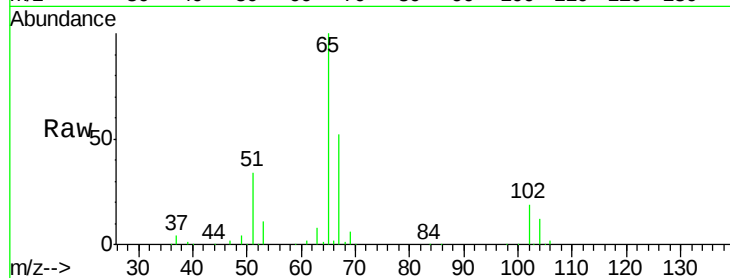




#33
 1,2-Dichloroethane-d4
 Concen: 45.457 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024963.D
 Acq: 27 Jun 2018 13:50

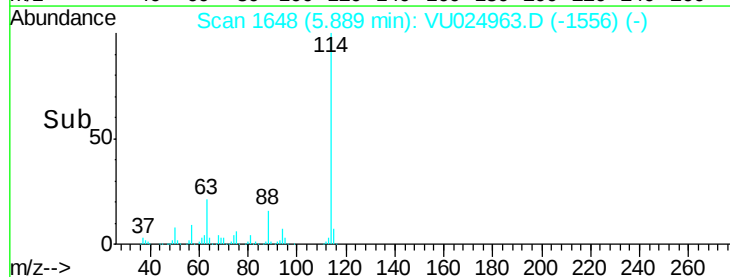
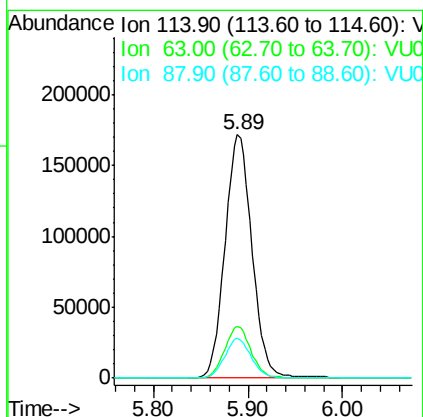
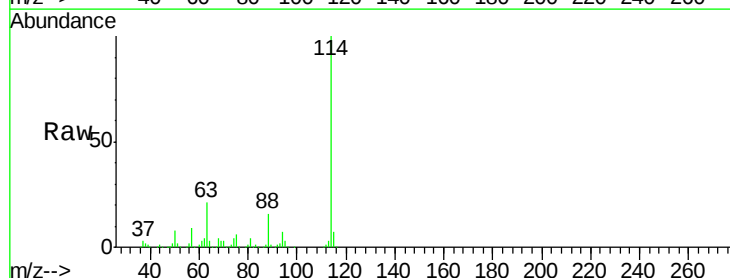
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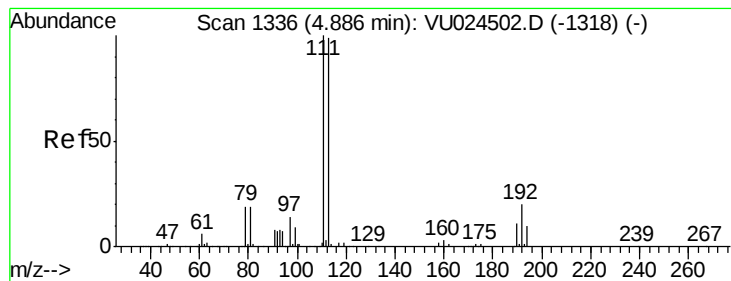
Tgt Ion: 65 Resp: 170424
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024963.D
 Acq: 27 Jun 2018 13:50

Tgt Ion: 114 Resp: 340685
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 45.4
 88 16.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.889 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-27-29-180620MEDL

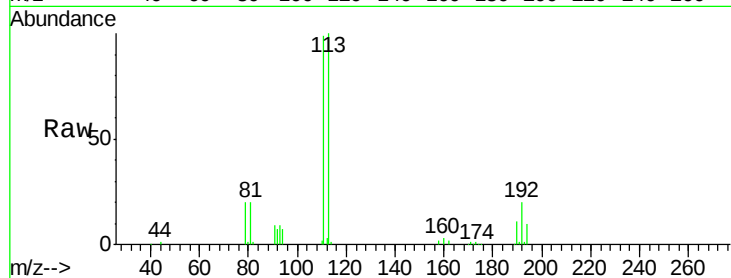
Tgt Ion:113 Resp: 132576

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

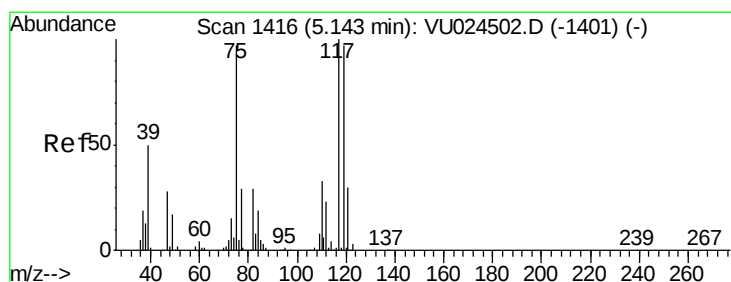
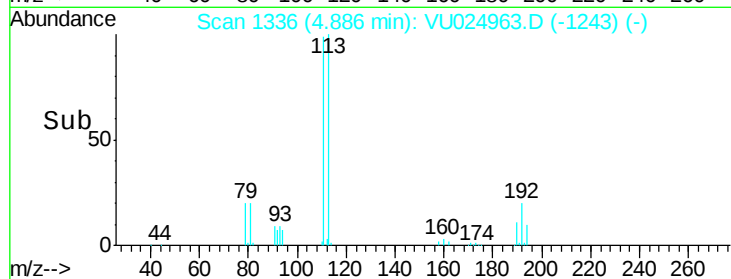
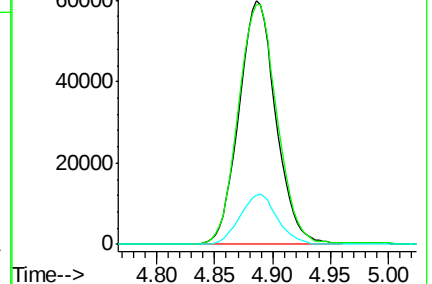
192 20.8 16.2 24.4



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: 4.191 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

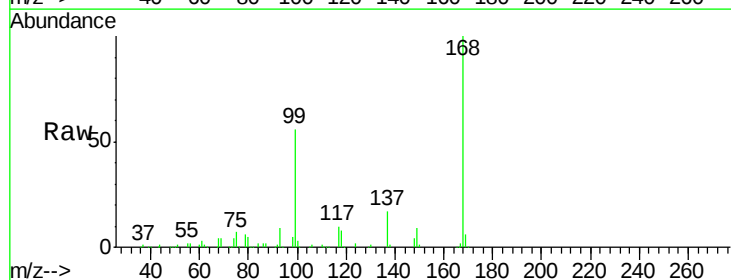
Tgt Ion: 75 Resp: 16778

Ion Ratio Lower Upper

75 100

110 9.4 17.0 50.9#

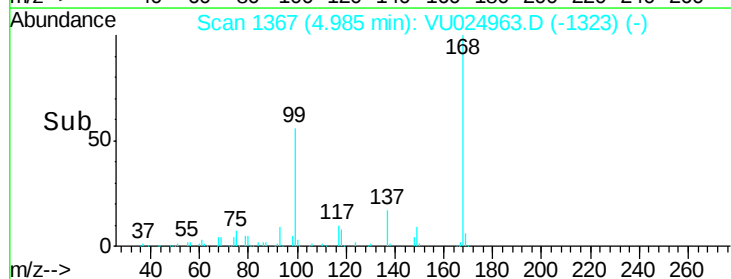
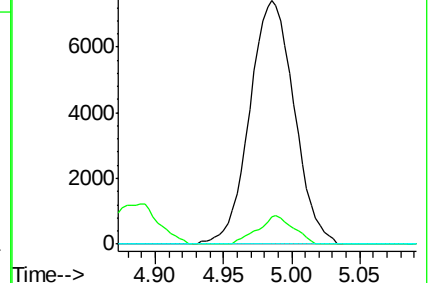
77 0.0 24.2 36.4#

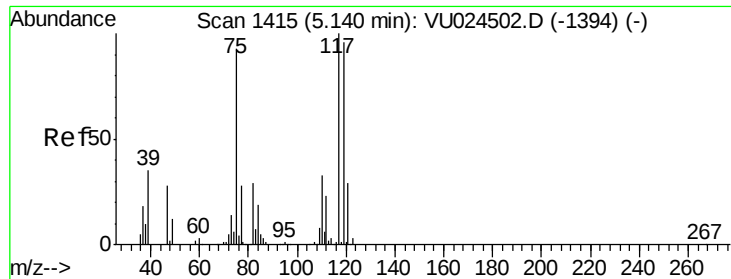


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

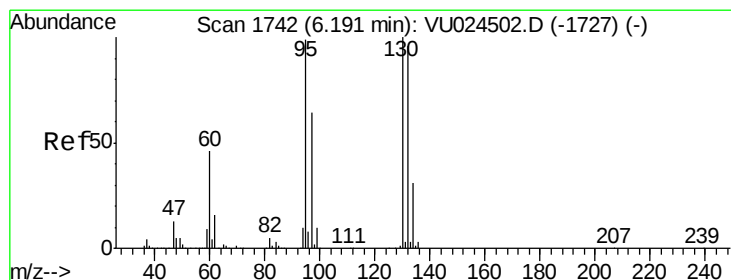
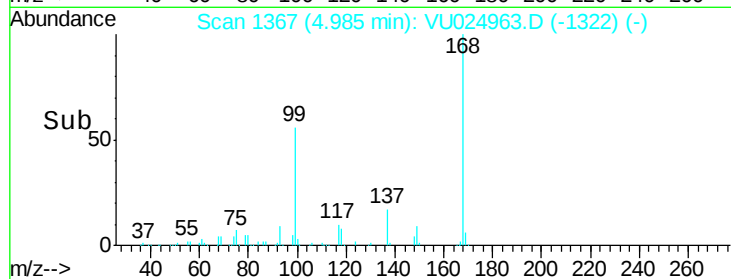
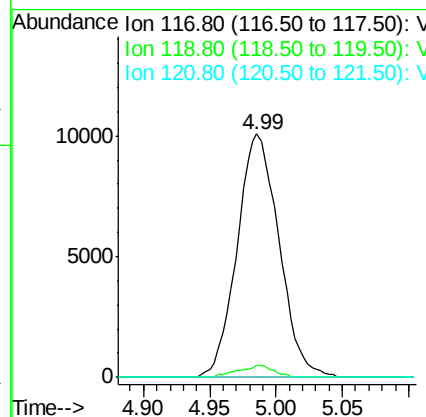
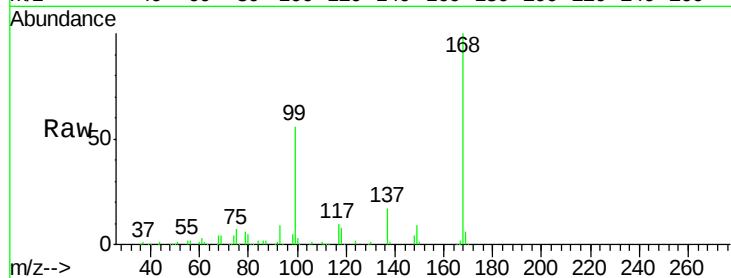




#38
Carbon Tetrachloride
Concen: 5.024 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.15 min
Lab File: VU024963.D
Acq: 27 Jun 2018 13:50

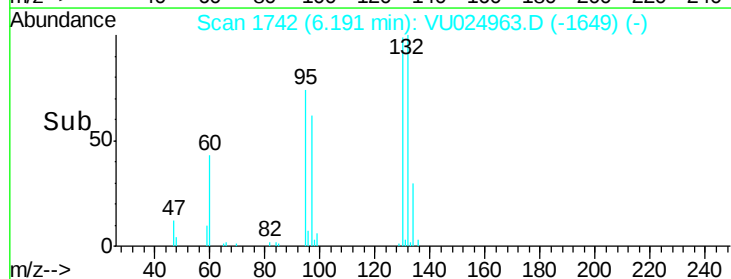
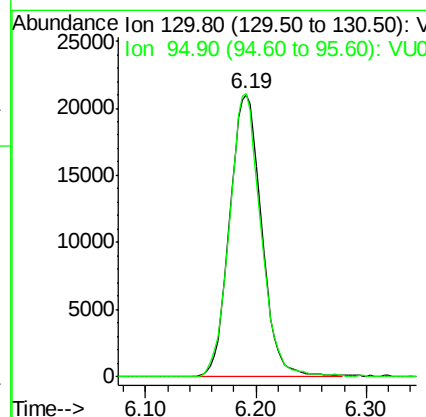
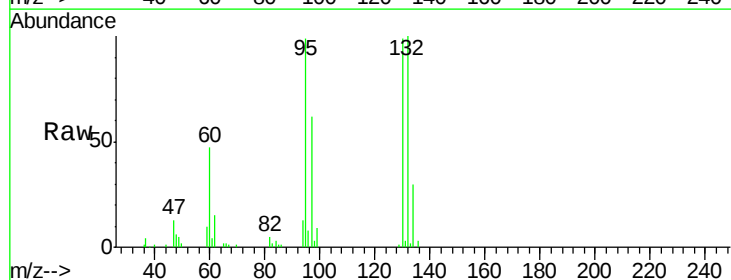
Instrument :
MSVOA_U
ClientSampleId :
WP021SB475-27-29-180620MEDL

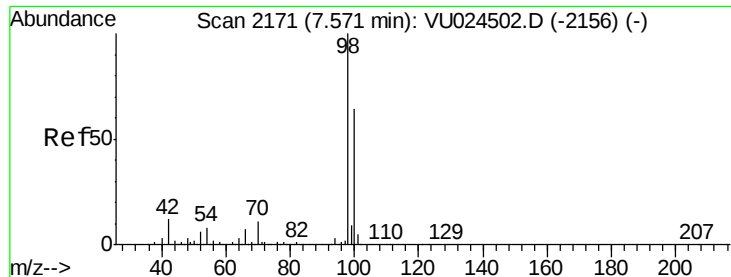
Tgt Ion:117 Resp: 22119
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 23.7 35.5#



#44
Trichloroethene
Concen: 12.982 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU024963.D
Acq: 27 Jun 2018 13:50

Tgt Ion:130 Resp: 42146
Ion Ratio Lower Upper
130 100
95 100.3 0.0 202.4





#50

Toluene-d8

Concen: 46.938 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

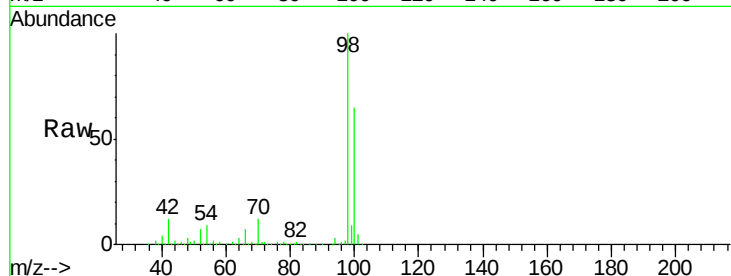
WP021SB475-27-29-180620MEDL

Tgt Ion: 98 Resp: 484086

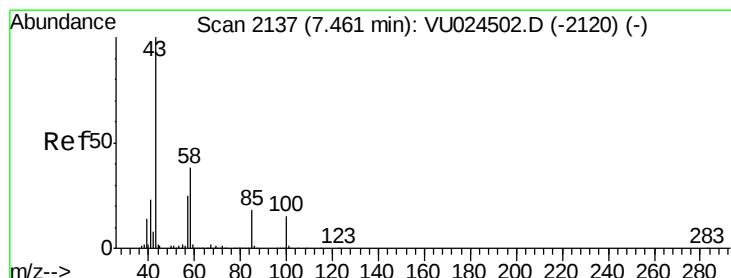
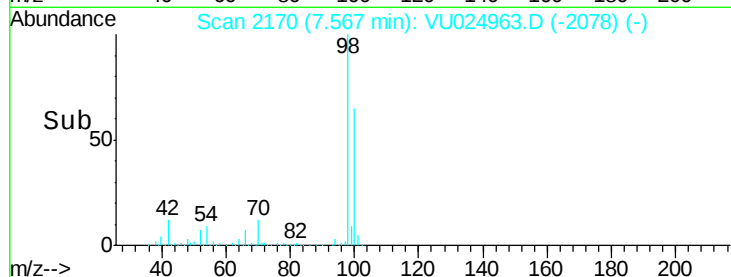
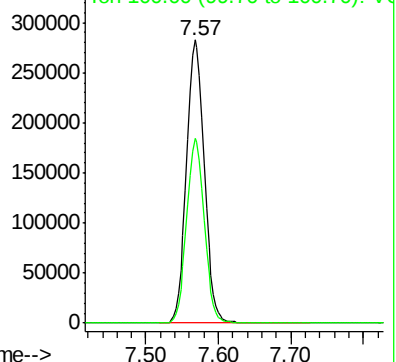
Ion Ratio Lower Upper

98 100

100 64.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.461 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.11 min

Lab File: VU024963.D

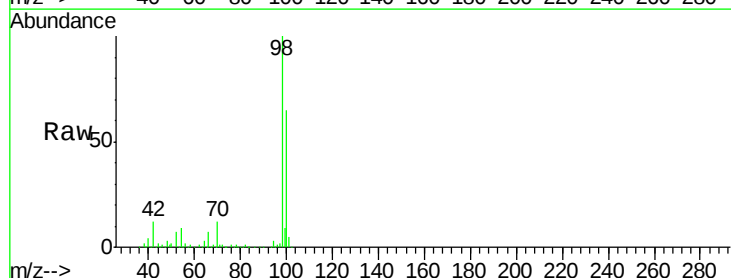
Acq: 27 Jun 2018 13:50

Tgt Ion: 43 Resp: 2185

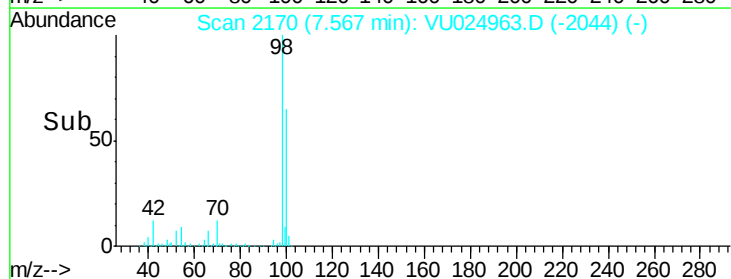
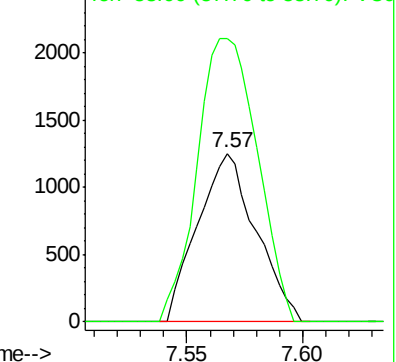
Ion Ratio Lower Upper

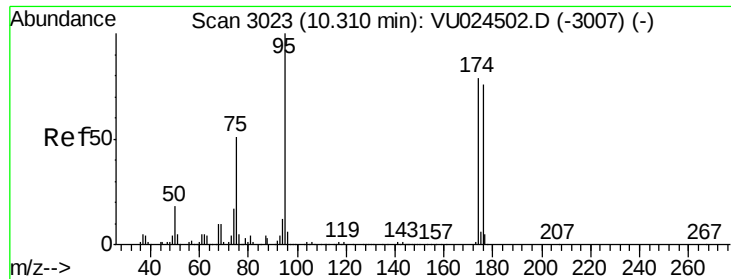
43 100

58 173.1 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-2120) (-)





#62

4-Bromofluorobenzene

Concen: 44.761 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-27-29-180620MEDL

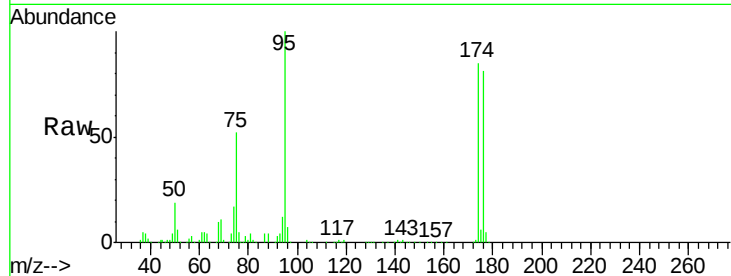
Tgt Ion: 95 Resp: 183287

Ion Ratio Lower Upper

95 100

174 85.0 0.0 165.8

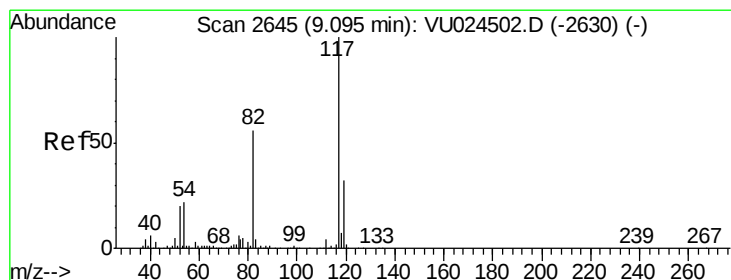
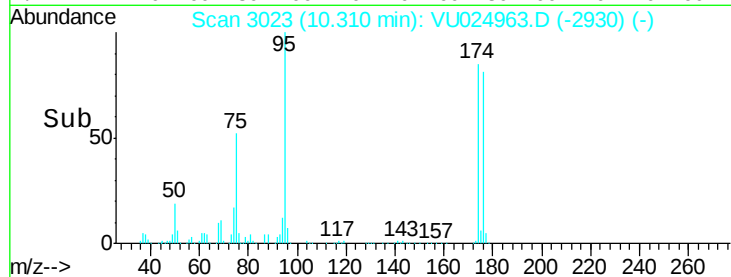
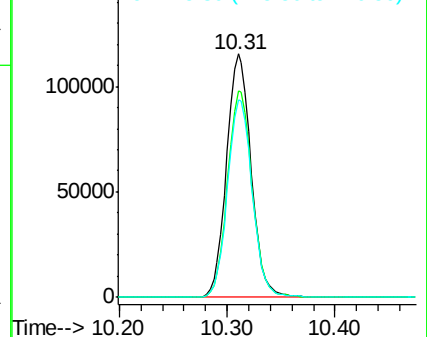
176 82.0 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

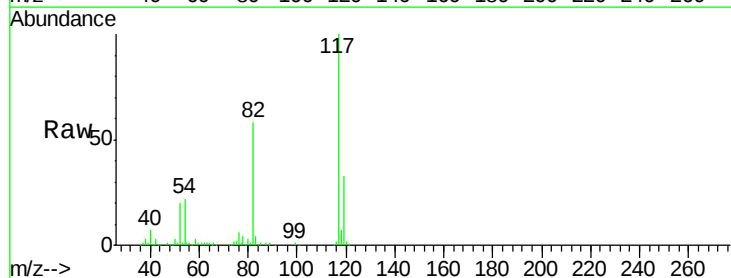
Tgt Ion: 117 Resp: 312212

Ion Ratio Lower Upper

117 100

82 57.8 44.3 66.5

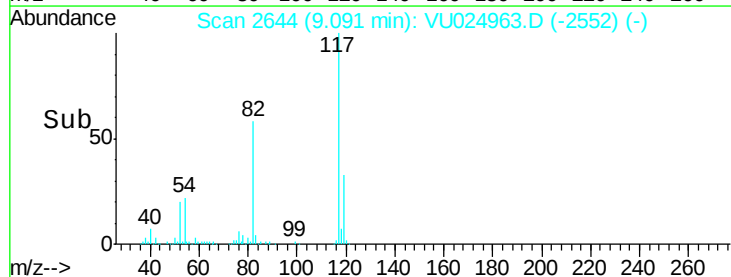
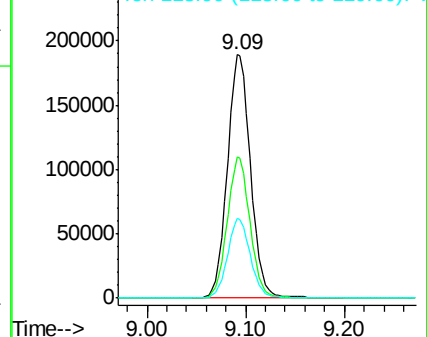
119 32.6 25.4 38.2

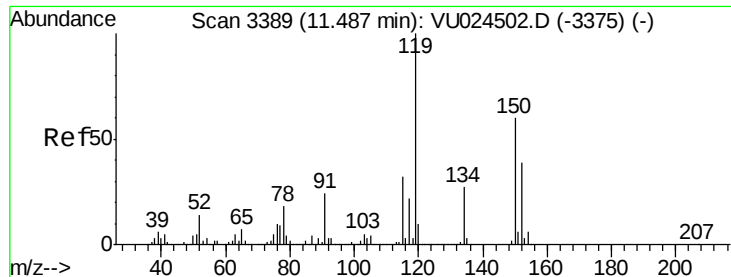


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-27-29-180620MEDL

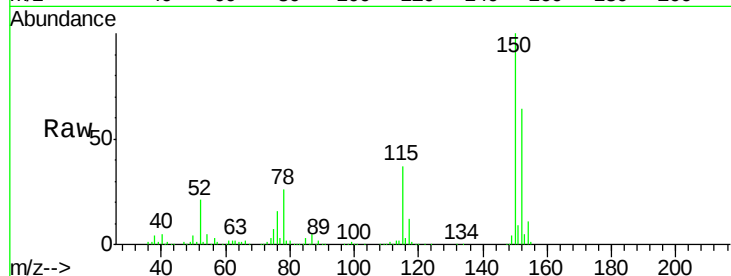
Tgt Ion:152 Resp: 172198

Ion Ratio Lower Upper

152 100

115 58.2 43.0 129.0

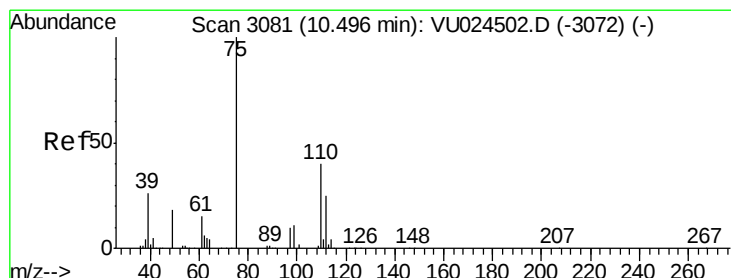
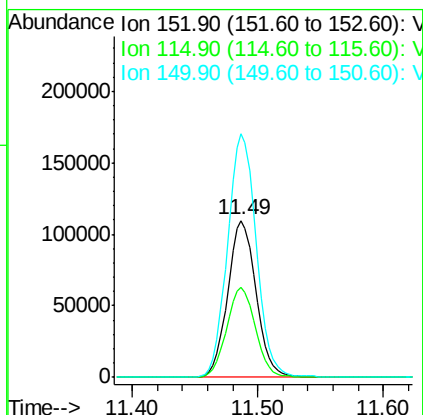
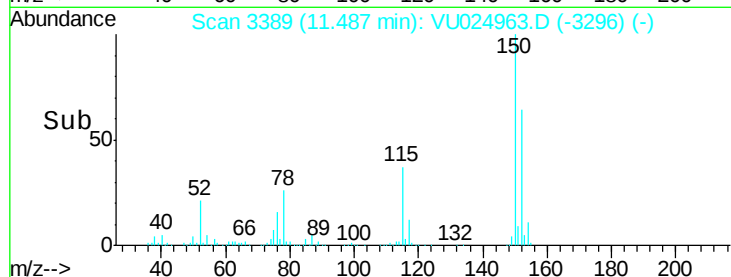
150 157.1 0.0 354.0



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: 25.561 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024963.D

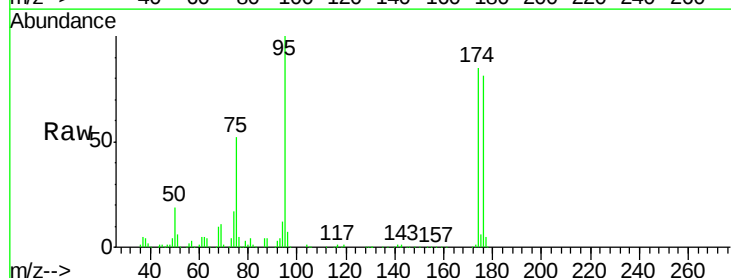
Acq: 27 Jun 2018 13:50

Tgt Ion: 75 Resp: 96908

Ion Ratio Lower Upper

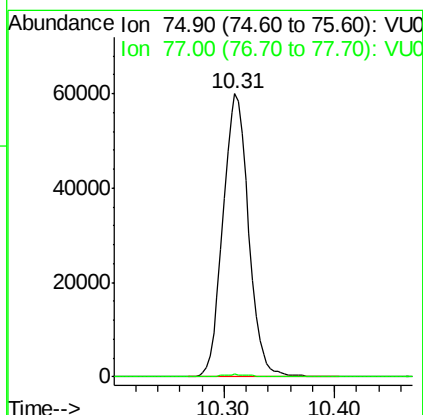
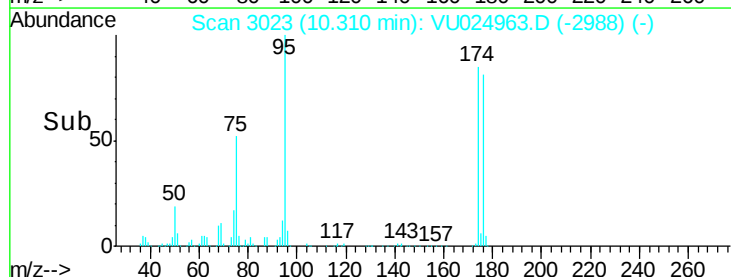
75 100

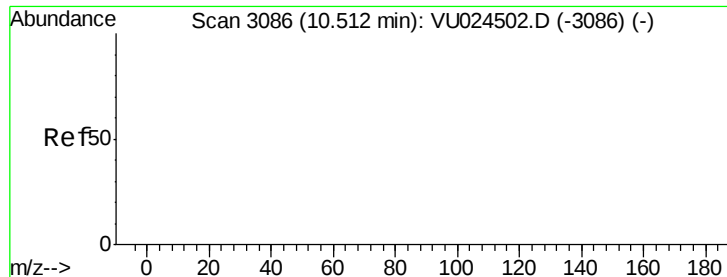
77 1.0 20.9 62.7#



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: 59.160 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-27-29-180620MEDL

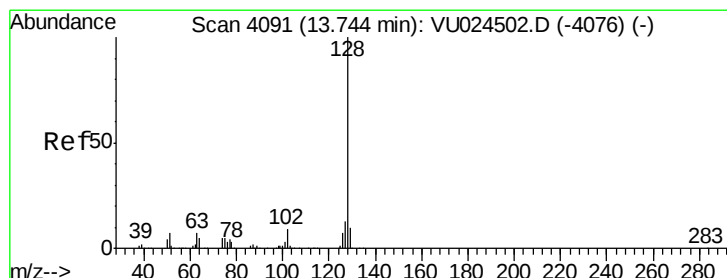
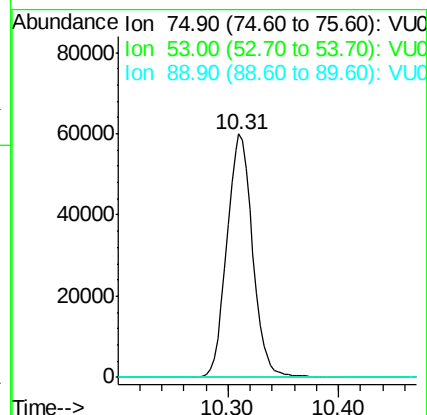
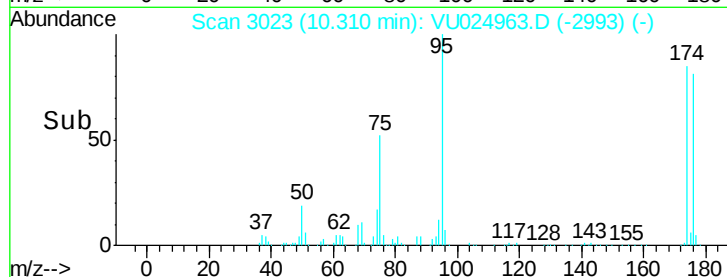
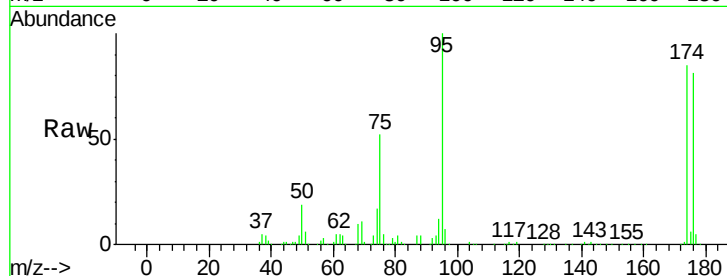
Tgt Ion: 75 Resp: 96908

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#95

Naphthalene

Concen: 0.712 ug/l

RT: 13.76 min Scan# 4097

Delta R.T. 0.02 min

Lab File: VU024963.D

Acq: 27 Jun 2018 13:50

Tgt Ion: 128 Resp: 417

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

