

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062518\
 Data File : VU024909.D
 Acq On : 26 Jun 2018 05:27
 Operator : MD/SY
 Sample : J3669-18ME 200X
 Misc : 6.19g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-25-27-180620ME

Quant Time: Jun 26 08:41:19 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

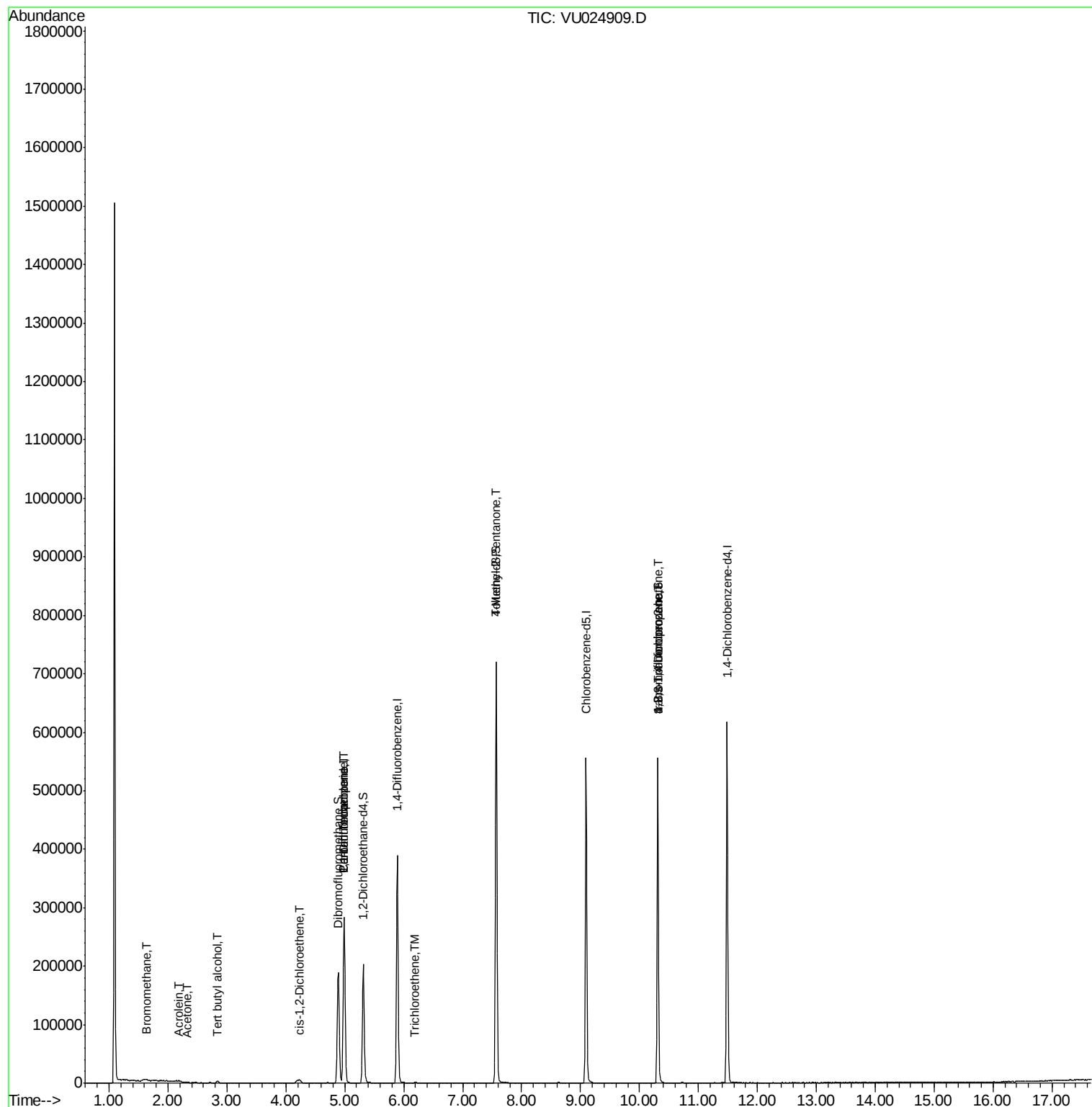
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	218043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	332270	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	304289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	162706	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	163924	46.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.10%	
35) Dibromofluoromethane	4.89	113	128009	46.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.84%	
50) Toluene-d8	7.57	98	475697	47.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.58%	
62) 4-Bromofluorobenzene	10.31	95	176781	44.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.54%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	356	0.256	ug/l	83
6) Chloroethane	1.70	64	63	Below Cal	#	43
8) Diethyl Ether	1.99	74	19	Below Cal	#	1
11) Tert butyl alcohol	2.84	59	1787	2.064	ug/l #	72
13) Acrolein	2.18	56	146	0.321	ug/l	95
16) Acetone	2.33	43	553	0.289	ug/l #	44
27) cis-1,2-Dichloroethene	4.24	96	2846	0.905	ug/l	78
31) Cyclohexane	4.99	56	4144	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15796	4.046	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20417	4.755	ug/l #	15
44) Trichloroethene	6.20	130	773	0.244	ug/l	79
51) 4-Methyl-2-Pentanone	7.57	43	2043	0.442	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	92113	25.714	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	92113	59.513	ug/l #	100

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

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Quant Title : SW846 8260
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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: VU024909.D

Acq: 26 Jun 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

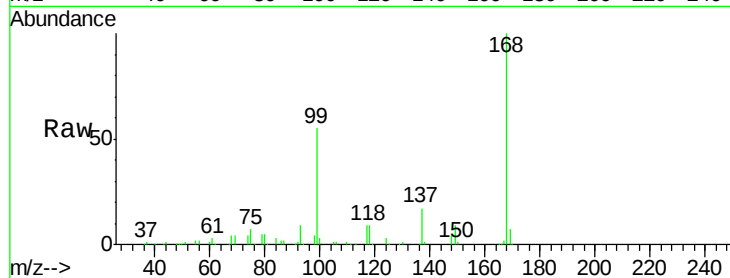
WP021SB475-25-27-180620ME

Tgt Ion:168 Resp: 218043

Ion Ratio Lower Upper

168 100

99 55.3 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

100000

80000

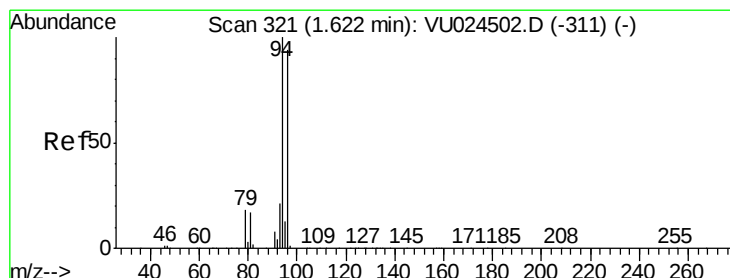
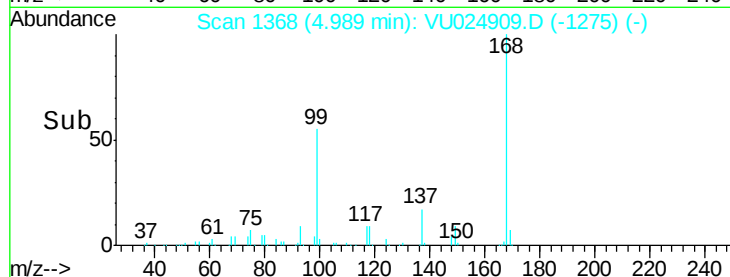
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024909.D

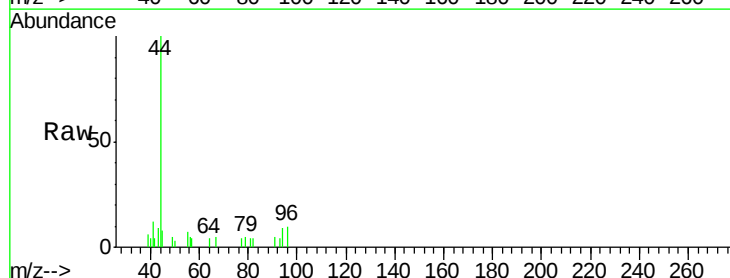
Acq: 26 Jun 2018 05:27

Tgt Ion: 94 Resp: 356

Ion Ratio Lower Upper

94 100

96 109.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU024502.D (-311) (-)

Ion 95.90 (95.60 to 96.60): VU024502.D (-311) (-)

1.64

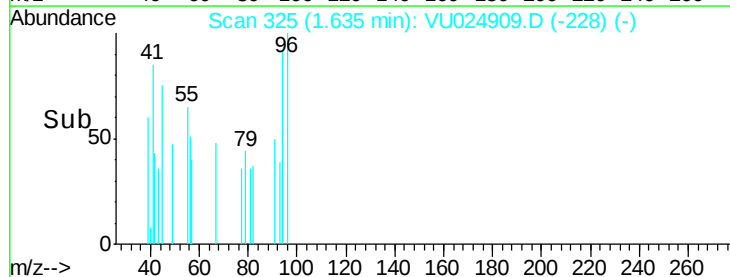
300

200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024909.D

Acq: 26 Jun 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

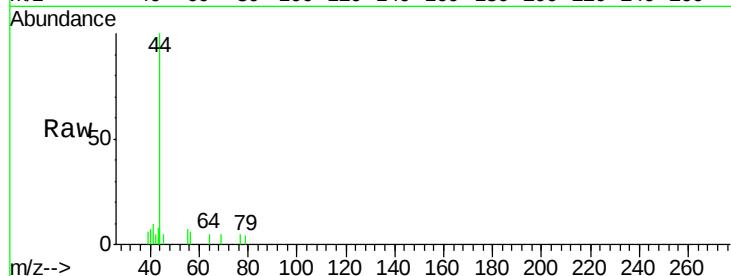
WP021SB475-25-27-180620ME

Tgt Ion: 64 Resp: 63

Ion Ratio Lower Upper

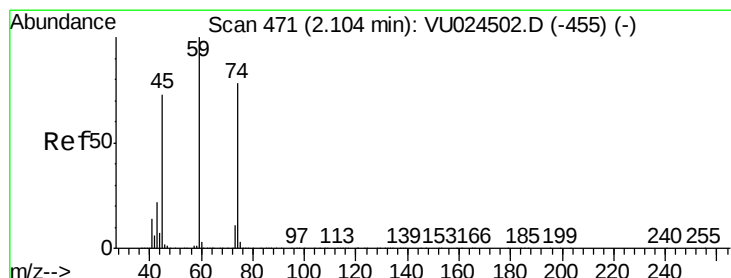
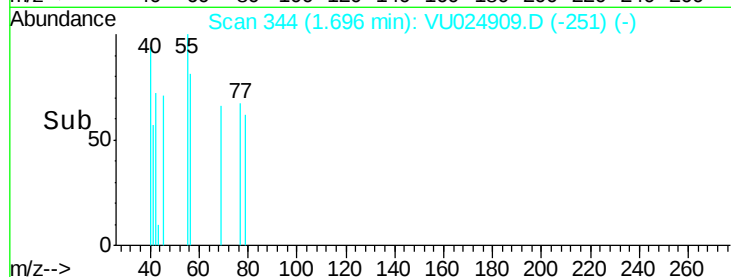
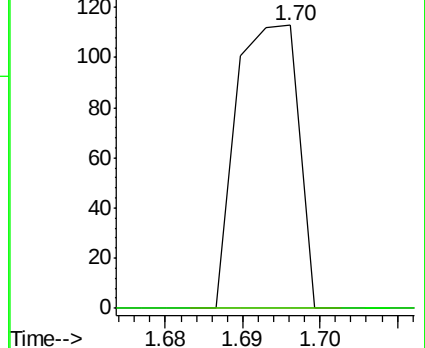
64 100

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



#8

Diethyl Ether

Concen: Below Cal

RT: 1.99 min Scan# 434

Delta R.T. -0.12 min

Lab File: VU024909.D

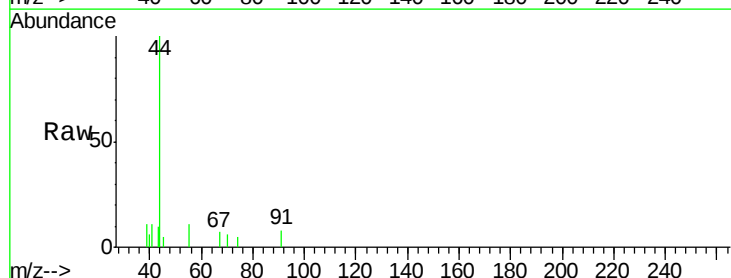
Acq: 26 Jun 2018 05:27

Tgt Ion: 74 Resp: 19

Ion Ratio Lower Upper

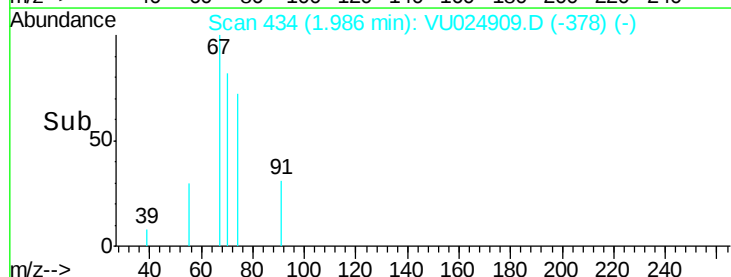
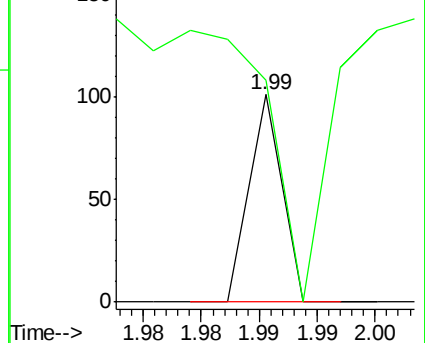
74 100

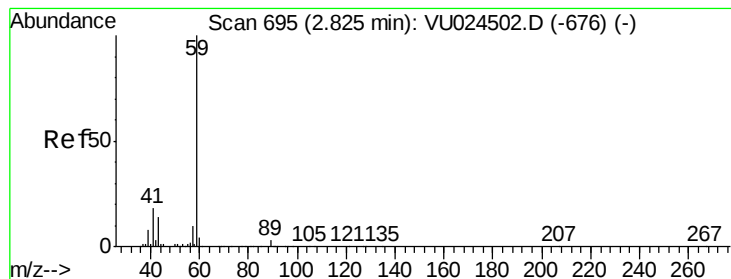
45 515.8 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



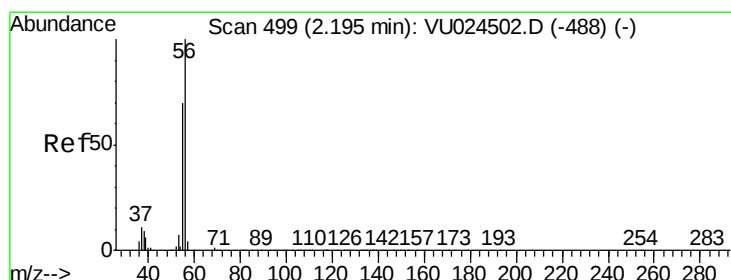
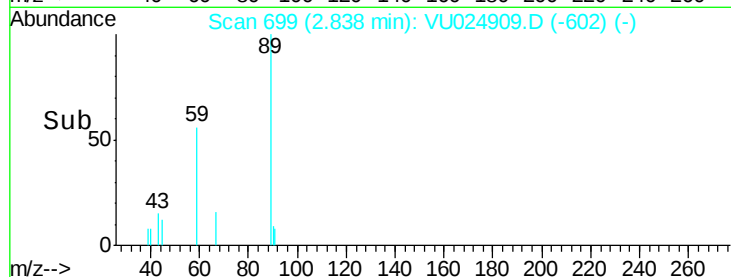
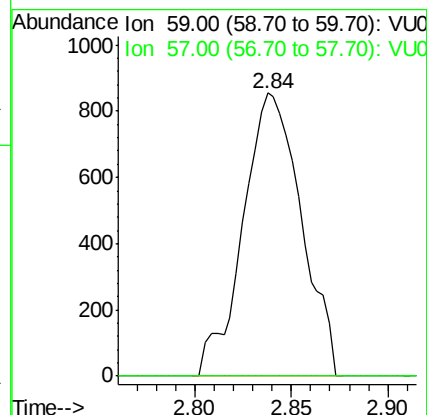
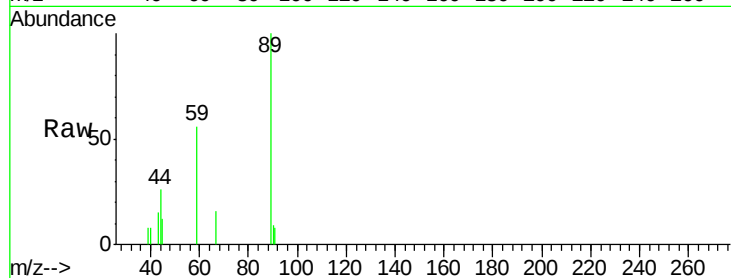


#11

Tert butyl alcohol
 Concen: 2.064 ug/l
 RT: 2.84 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: VU024909.D
 Acq: 26 Jun 2018 05:27

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-25-27-180620ME

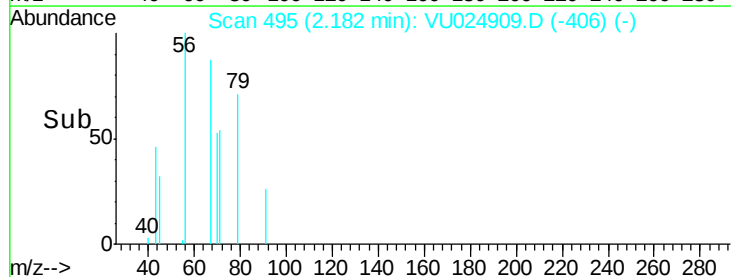
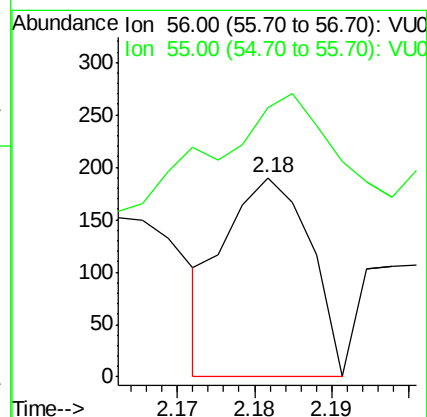
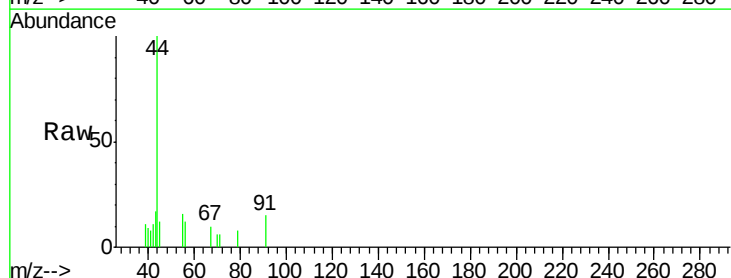
Tgt Ion: 59 Resp: 1787
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

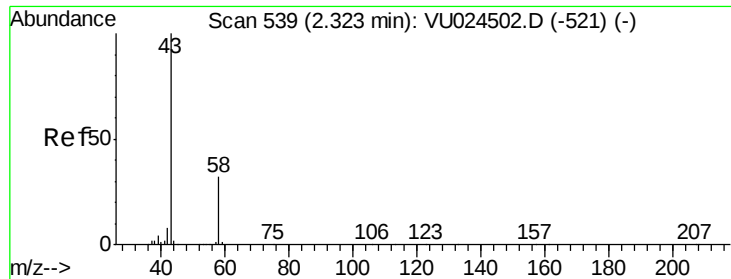


#13

Acrolein
 Concen: 0.321 ug/l
 RT: 2.18 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VU024909.D
 Acq: 26 Jun 2018 05:27

Tgt Ion: 56 Resp: 146
 Ion Ratio Lower Upper
 56 100
 55 69.2 58.4 87.6





#16

Acetone

Concen: 0.289 ug/l

RT: 2.33 min Scan# 542

Delta R.T. 0.01 min

Lab File: VU024909.D

Acq: 26 Jun 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

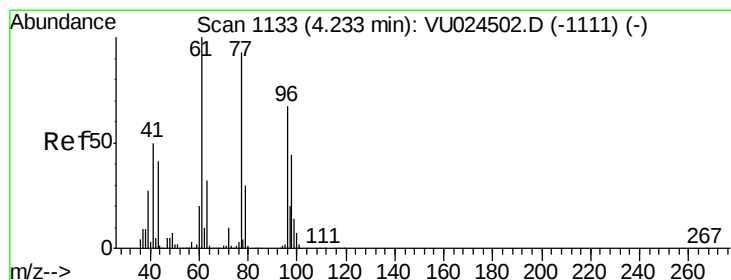
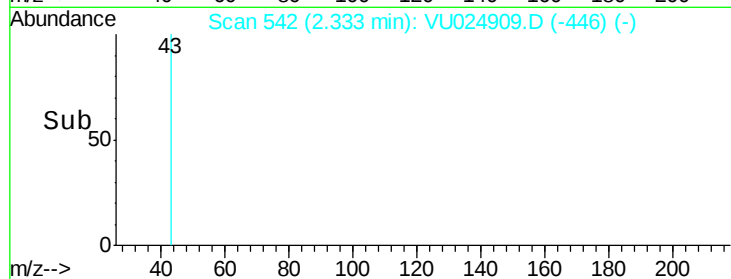
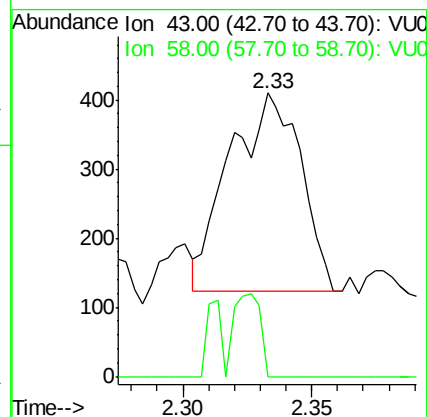
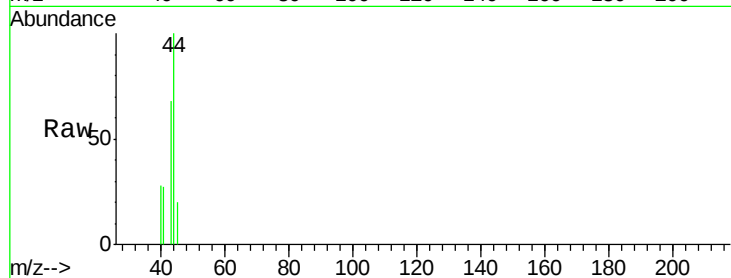
WP021SB475-25-27-180620ME

Tgt Ion: 43 Resp: 553

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#27

cis-1,2-Dichloroethene

Concen: 0.905 ug/l

RT: 4.24 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VU024909.D

Acq: 26 Jun 2018 05:27

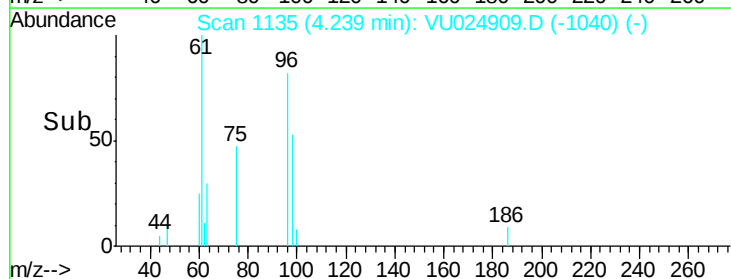
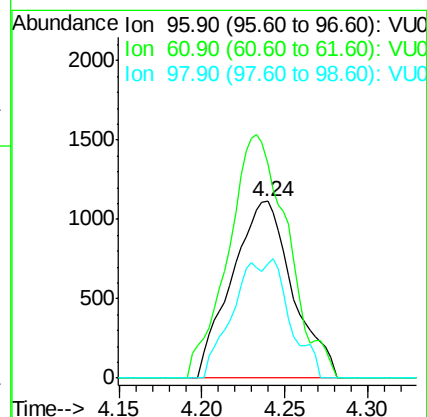
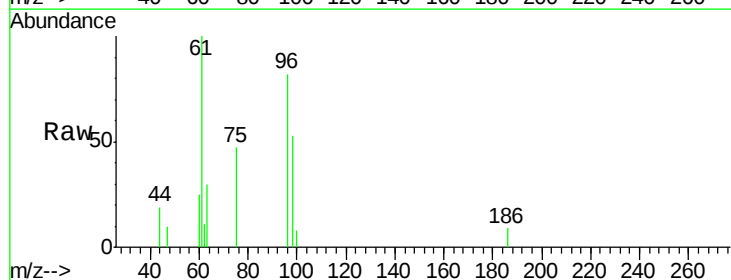
Tgt Ion: 96 Resp: 2846

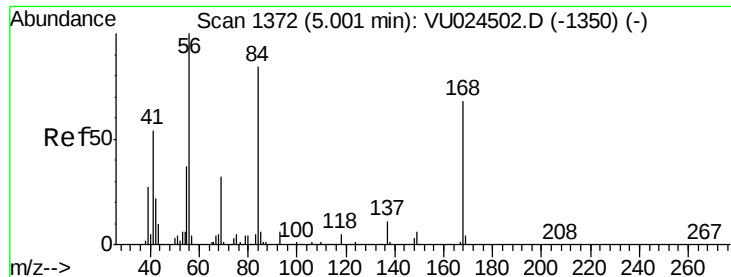
Ion Ratio Lower Upper

96 100

61 134.6 0.0 306.6

98 34.4 0.0 128.8

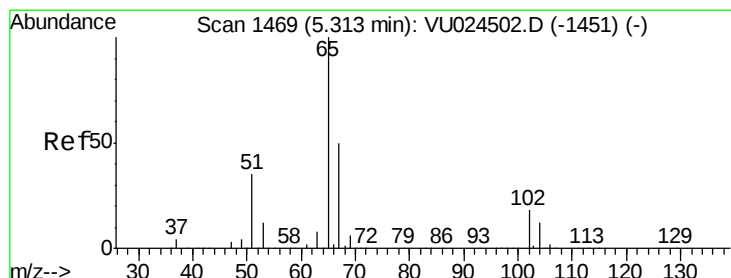
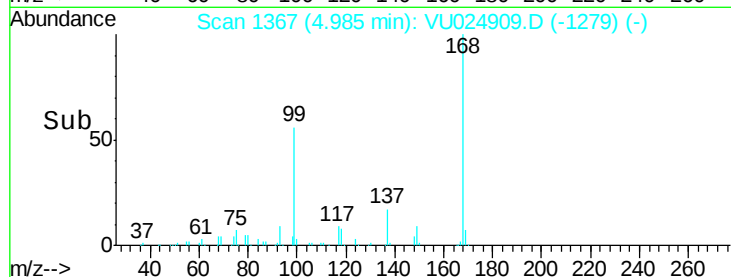
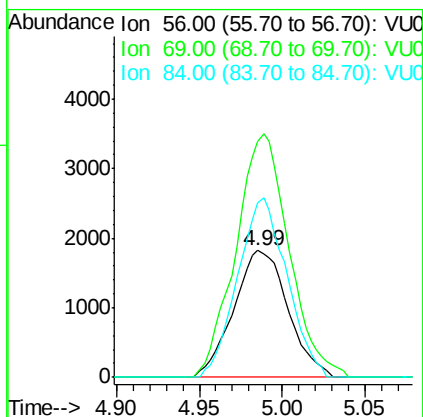
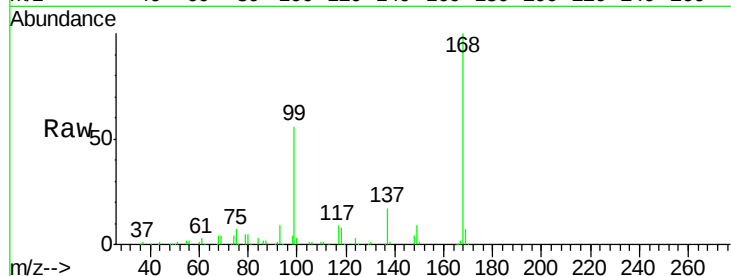




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024909.D
Acq: 26 Jun 2018 05:27

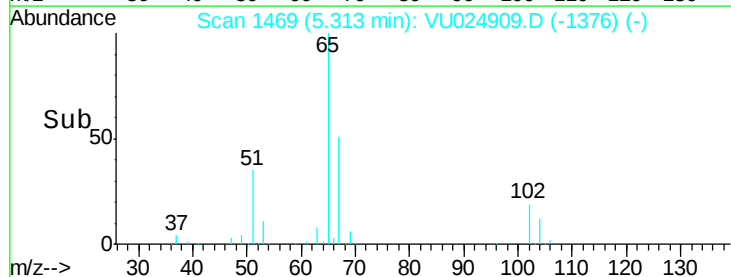
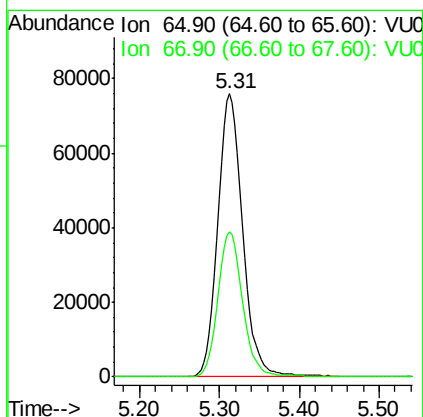
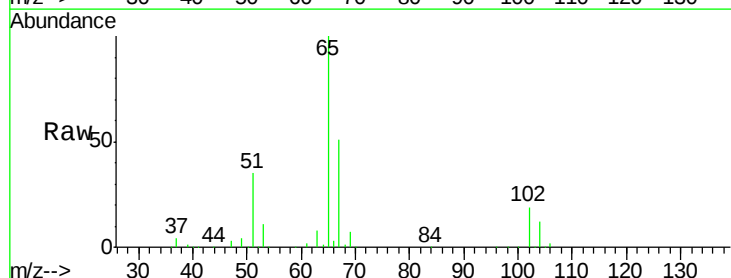
Instrument :
MSVOA_U
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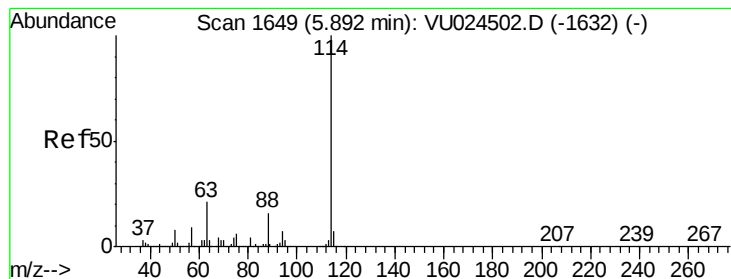
Tgt Ion: 56 Resp: 4144
Ion Ratio Lower Upper
56 100
69 185.9 24.8 37.2#
84 137.5 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.051 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024909.D
Acq: 26 Jun 2018 05:27

Tgt Ion: 65 Resp: 163924
Ion Ratio Lower Upper
65 100
67 50.7 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: VU024909.D

Acq: 26 Jun 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-25-27-180620ME

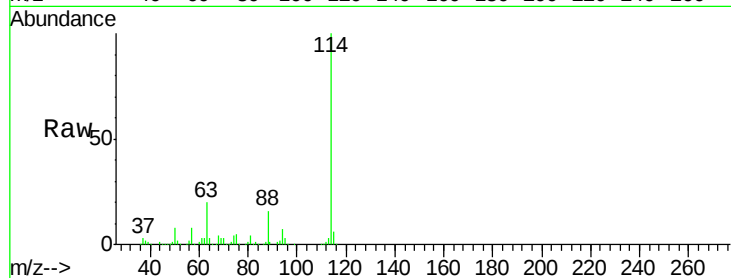
Tgt Ion:114 Resp: 332270

Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.4

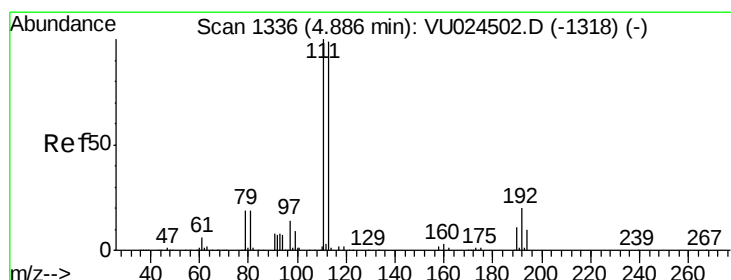
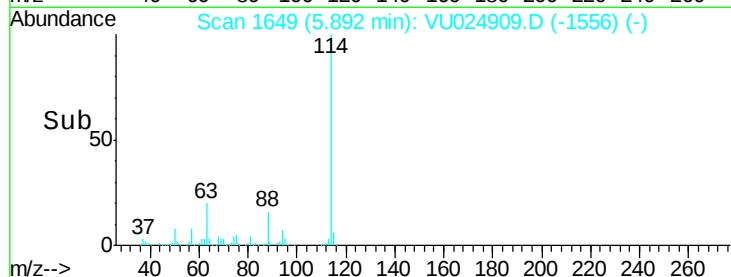
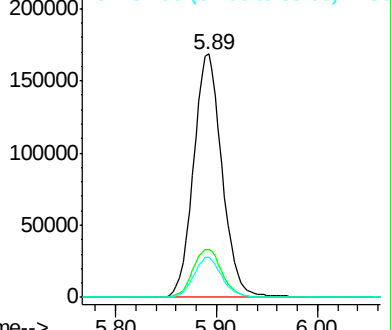
88 16.4 0.0 31.0



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: 46.421 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024909.D

Acq: 26 Jun 2018 05:27

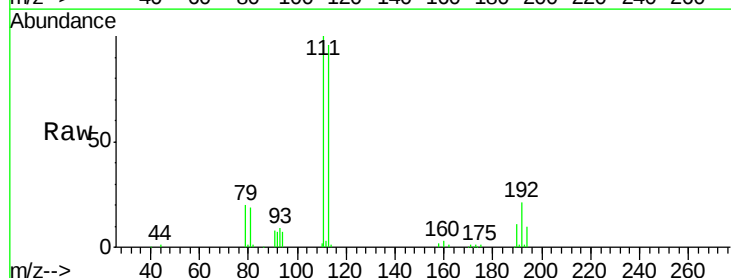
Tgt Ion:113 Resp: 128009

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

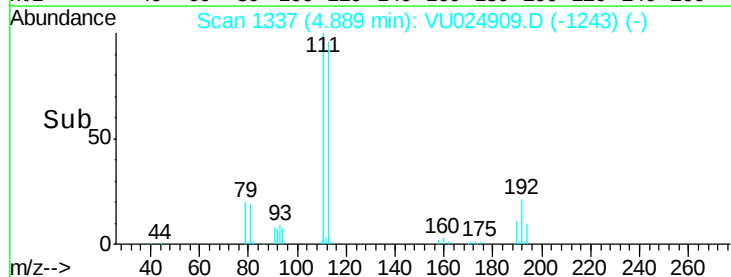
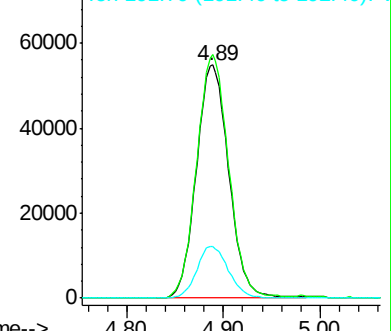
192 21.6 16.2 24.4

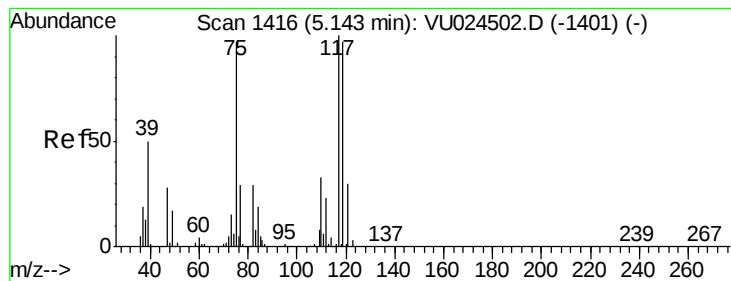


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.046 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024909.D

Acq: 26 Jun 2018 05:27

Instrument :

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WP021SB475-25-27-180620ME

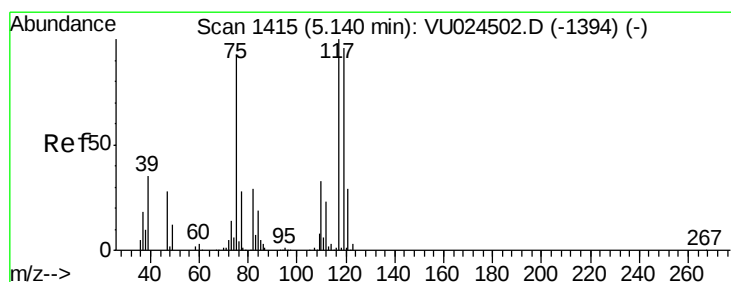
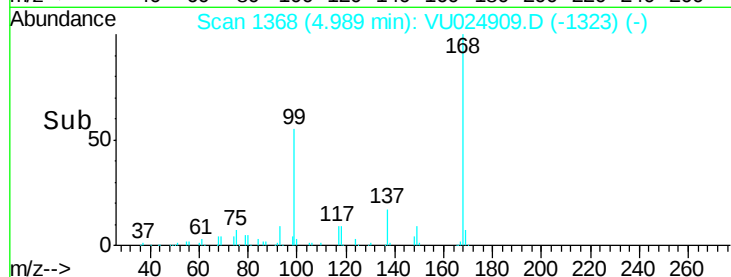
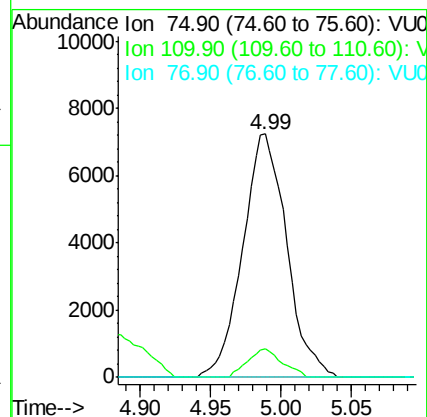
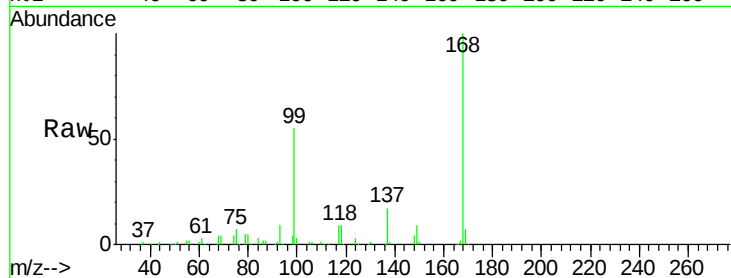
Tgt Ion: 75 Resp: 15796

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.755 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024909.D

Acq: 26 Jun 2018 05:27

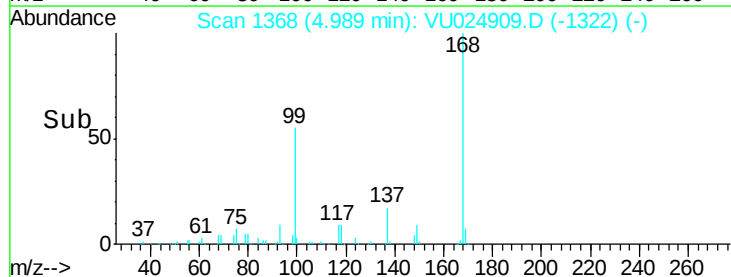
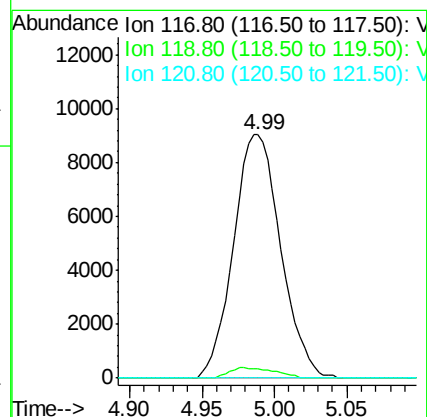
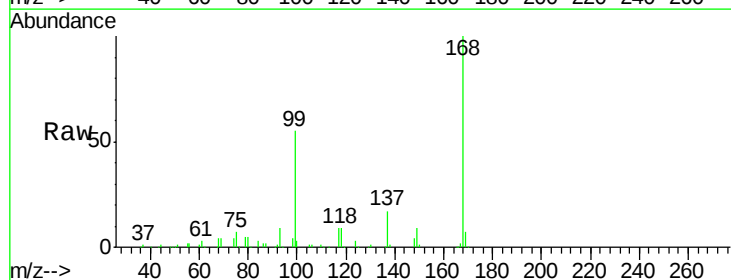
Tgt Ion: 117 Resp: 20417

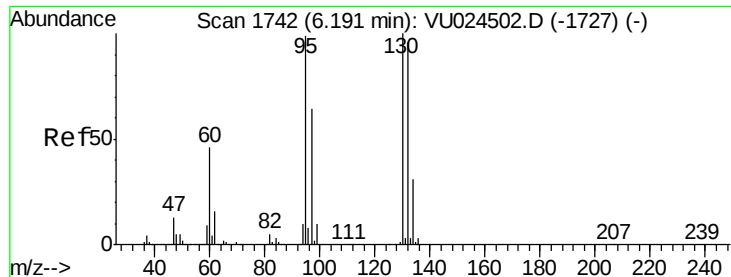
Ion Ratio Lower Upper

117 100

119 3.6 76.1 114.1#

121 0.0 23.7 35.5#





#44

Trichloroethene

Concen: 0.244 ug/l

RT: 6.20 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VU024909.D

Acq: 26 Jun 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

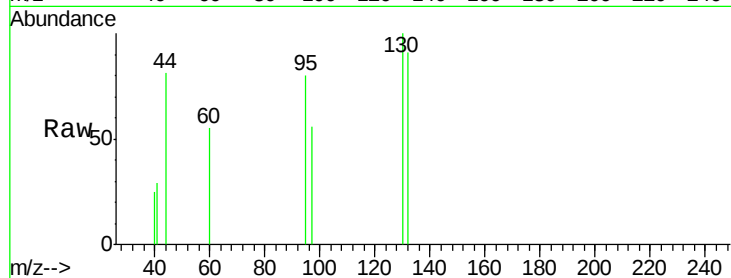
WP021SB475-25-27-180620ME

Tgt Ion:130 Resp: 773

Ion Ratio Lower Upper

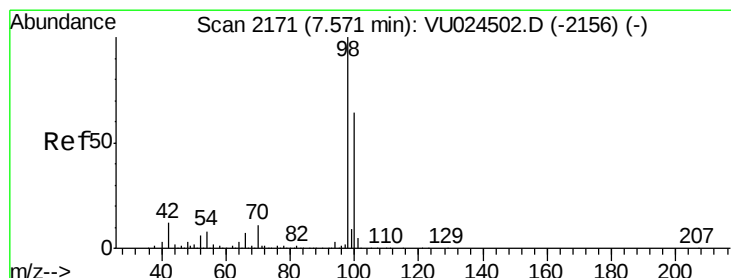
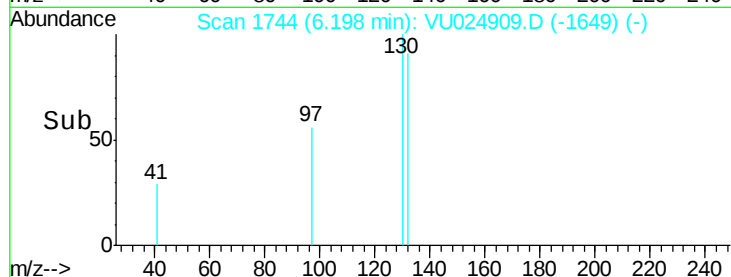
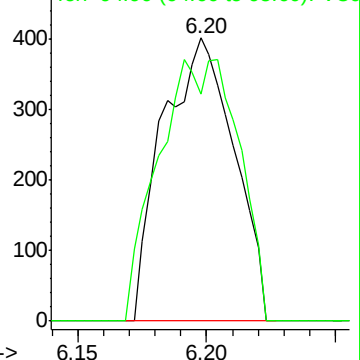
130 100

95 80.3 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: 47.293 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024909.D

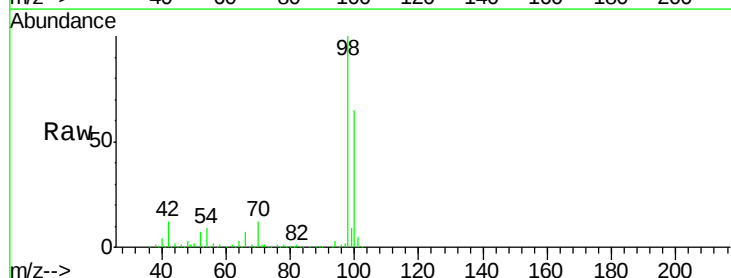
Acq: 26 Jun 2018 05:27

Tgt Ion: 98 Resp: 475697

Ion Ratio Lower Upper

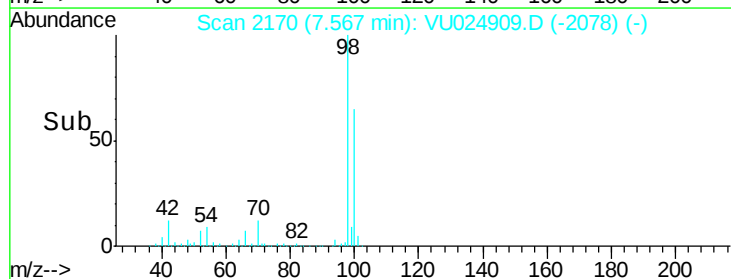
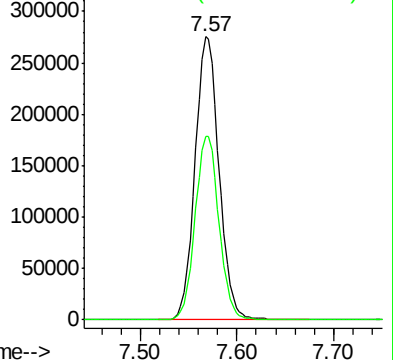
98 100

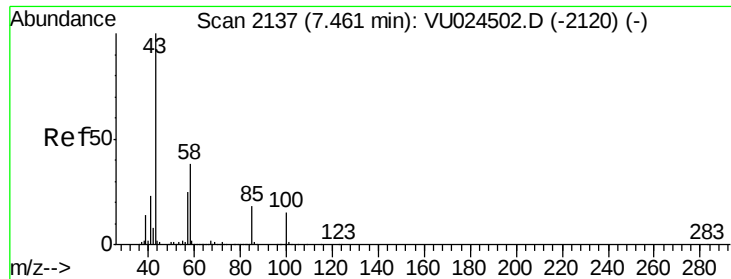
100 64.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.442 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.11 min

Lab File: VU024909.D

Acq: 26 Jun 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

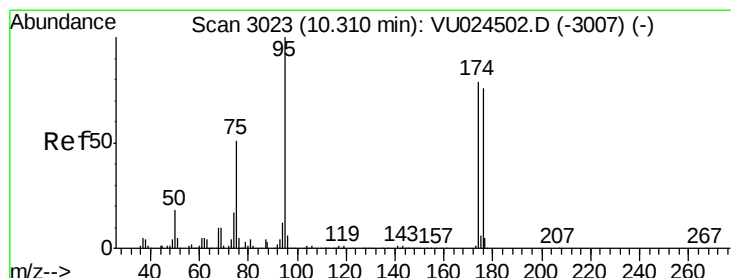
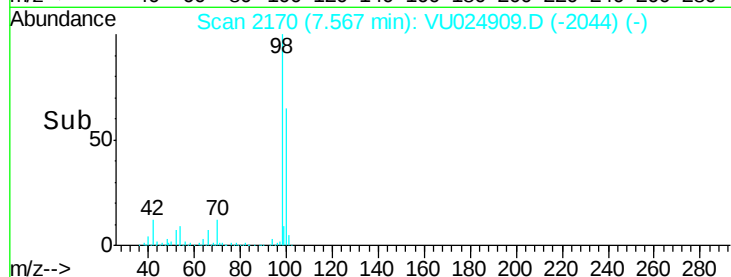
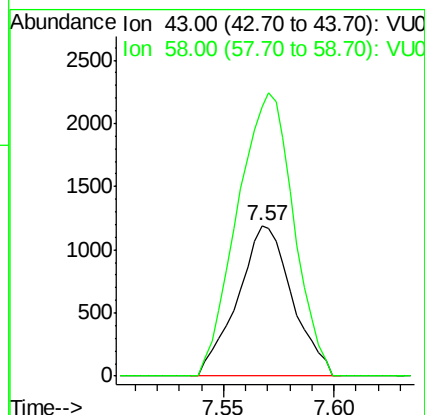
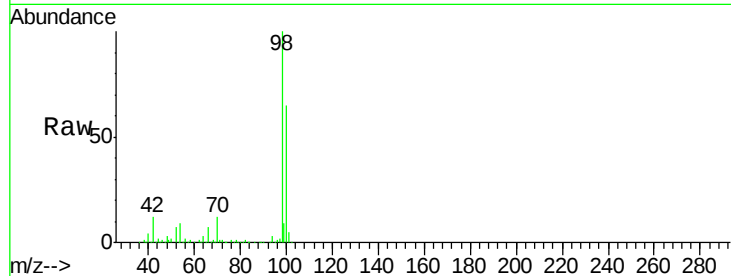
WP021SB475-25-27-180620ME

Tgt Ion: 43 Resp: 2043

Ion Ratio Lower Upper

43 100

58 194.2 30.0 45.0#



#62

4-Bromofluorobenzene

Concen: 44.266 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024909.D

Acq: 26 Jun 2018 05:27

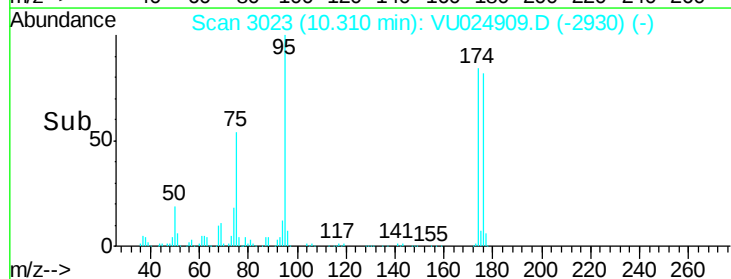
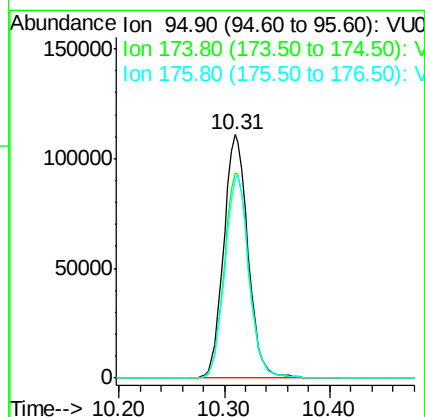
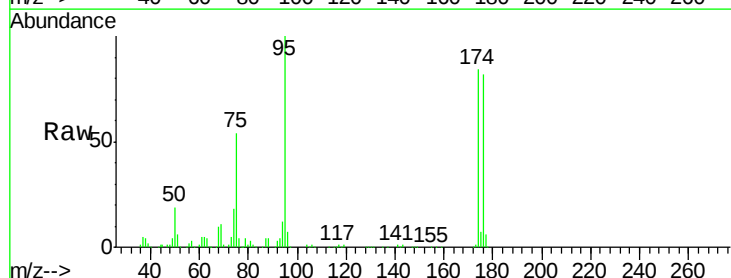
Tgt Ion: 95 Resp: 176781

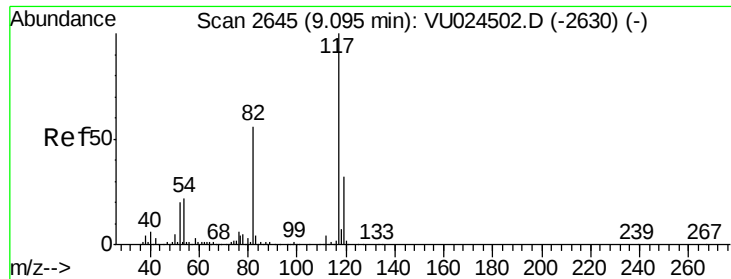
Ion Ratio Lower Upper

95 100

174 84.9 0.0 165.8

176 82.3 0.0 159.4

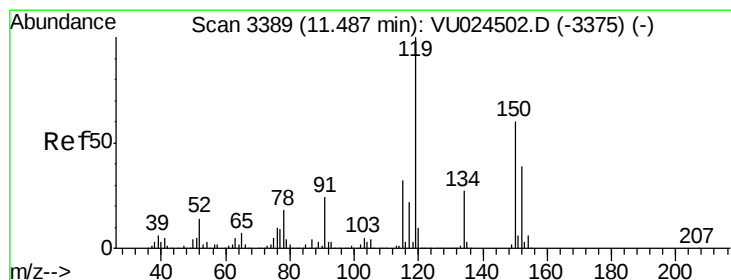
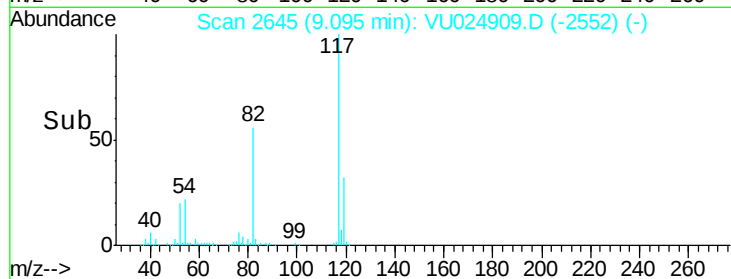
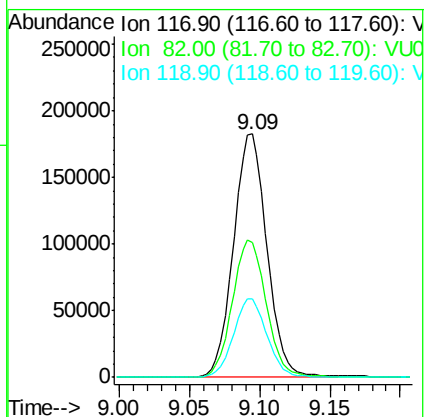
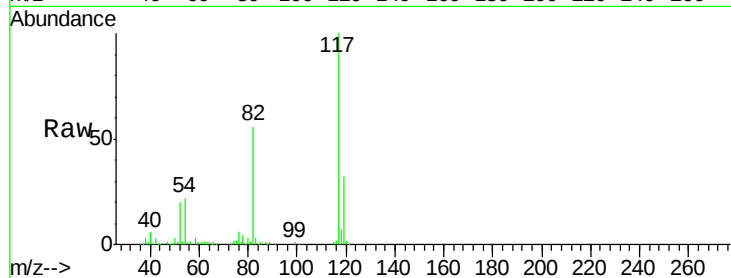




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024909.D
Acq: 26 Jun 2018 05:27

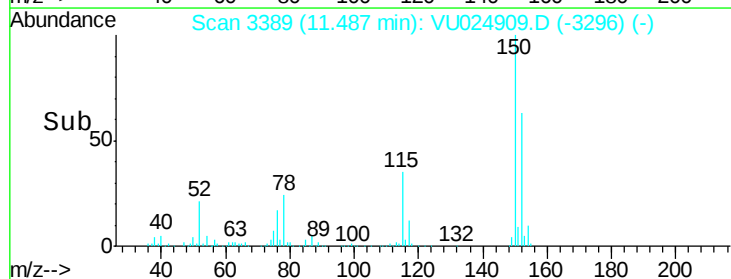
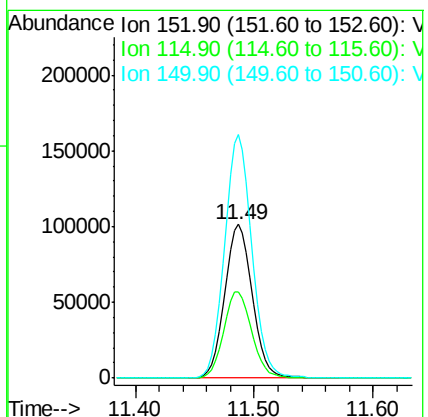
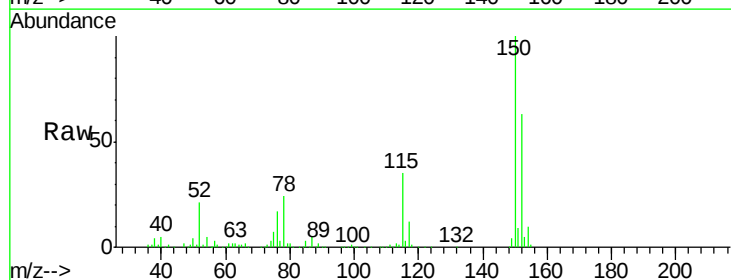
Instrument :
MSVOA_U
ClientSampleId :
WP021SB475-25-27-180620ME

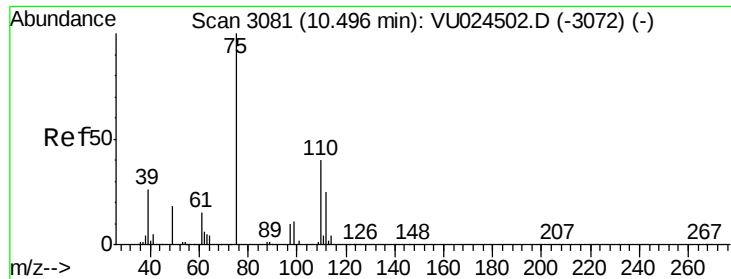
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.3	66.5
119	32.0	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024909.D
Acq: 26 Jun 2018 05:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	43.0	129.0
150	156.9	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 25.714 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024909.D

Acq: 26 Jun 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

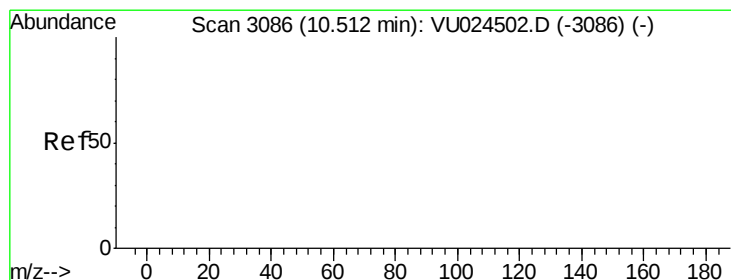
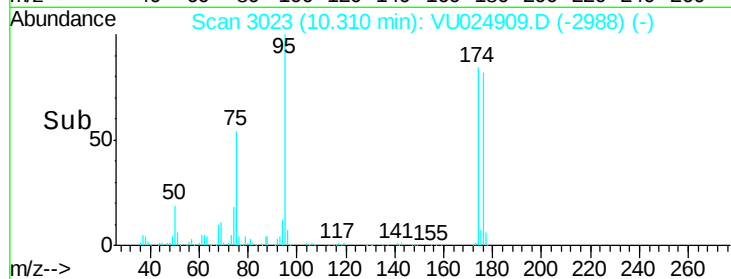
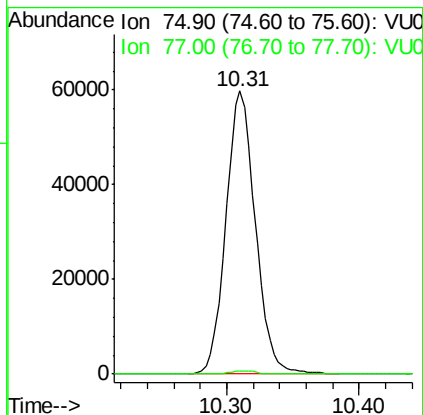
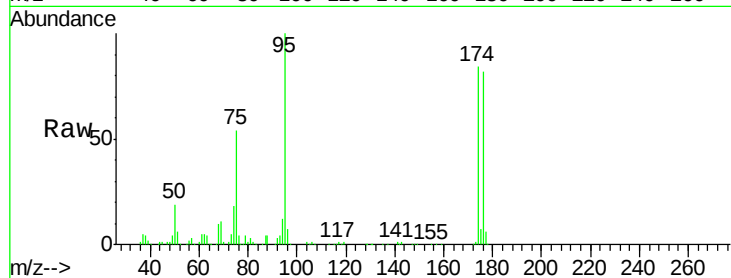
WP021SB475-25-27-180620ME

Tgt Ion: 75 Resp: 92113

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.513 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024909.D

Acq: 26 Jun 2018 05:27

Tgt Ion: 75 Resp: 92113

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

