

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024975.D
 Acq On : 27 Jun 2018 18:54
 Operator : MD/SY
 Sample : J3669-32ME 200X
 Misc : 6.43g/5.0mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB474-35-37-180620ME

Quant Time: Jun 28 02:28:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	217024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	329916	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	306995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	165172	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	165612	46.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.48%	
35) Dibromofluoromethane	4.89	113	128776	47.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.06%	
50) Toluene-d8	7.57	98	475646	47.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	10.31	95	178890	45.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.22%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	467	0.338	ug/l	88
6) Chloroethane	1.58	64	39	Below Cal	#	43
10) Methyl Iodide	2.41	142	42	5.305	ug/l #	40
11) Tert butyl alcohol	2.84	59	1938	2.249	ug/l #	72
13) Acrolein	2.19	56	221	0.488	ug/l #	35
16) Acetone	2.32	43	1429	0.751	ug/l #	81
27) cis-1,2-Dichloroethene	4.23	96	3246	1.037	ug/l	93
31) Cyclohexane	4.99	56	4343	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16571	4.274	ug/l #	50
38) Carbon Tetrachloride	4.99	117	21315	5.000	ug/l #	16
44) Trichloroethene	6.19	130	40216	12.792	ug/l	95
52) Toluene	7.64	92	1459	0.205	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	94225	25.911	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	94225	59.969	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

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MSVOA_U

ClientSampleId :

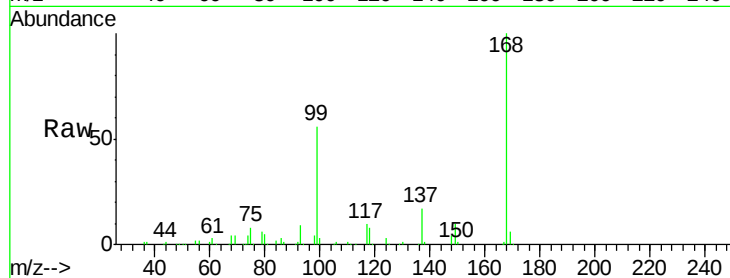
WP021SB474-35-37-180620ME

Tgt Ion:168 Resp: 217024

Ion Ratio Lower Upper

168 100

99 55.9 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

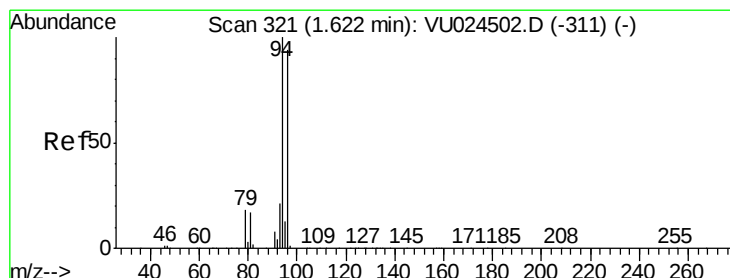
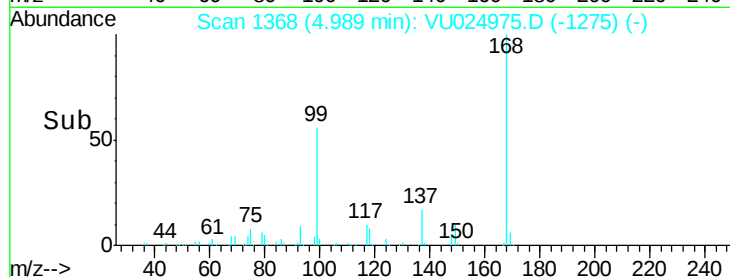
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.338 ug/l

RT: 1.64 min Scan# 327

Delta R.T. 0.02 min

Lab File: VU024975.D

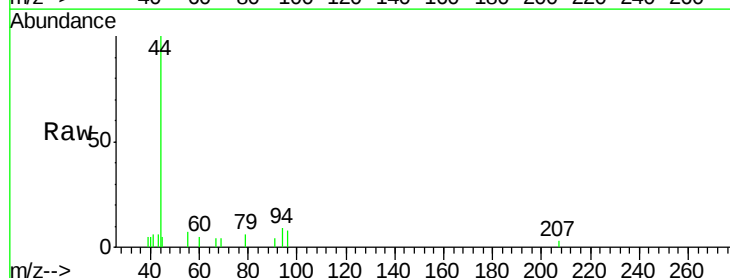
Acq: 27 Jun 2018 18:54

Tgt Ion: 94 Resp: 467

Ion Ratio Lower Upper

94 100

96 81.7 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

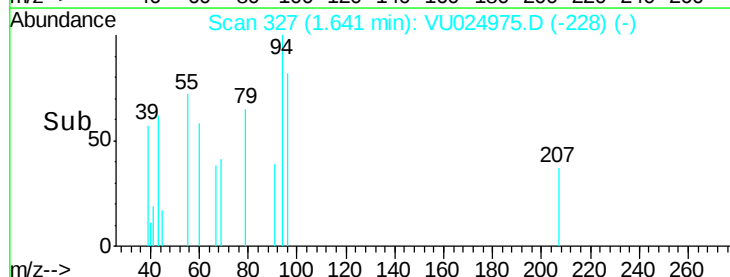
300

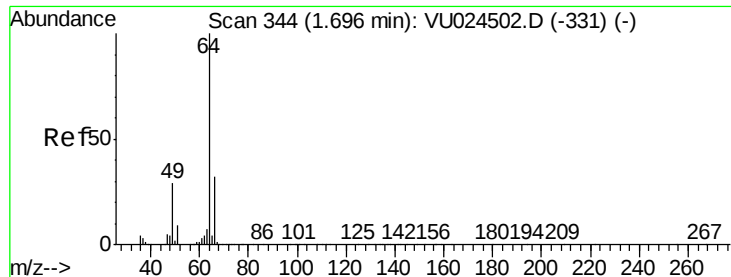
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.58 min Scan# 309

Delta R.T. -0.11 min

Lab File: VU024975.D

Acq: 27 Jun 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

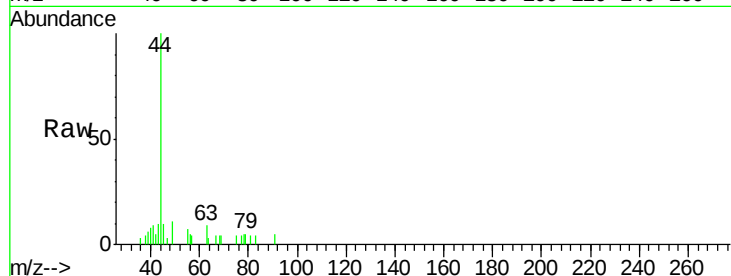
WP021SB474-35-37-180620ME

Tgt Ion: 64 Resp: 39

Ion Ratio Lower Upper

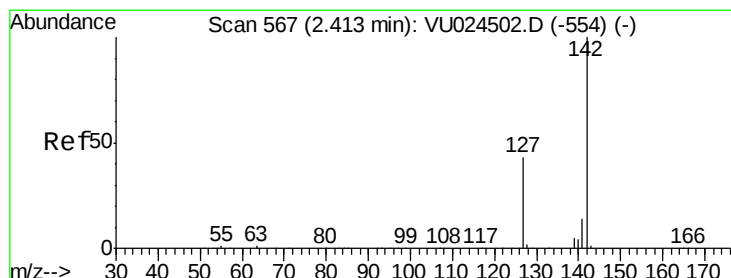
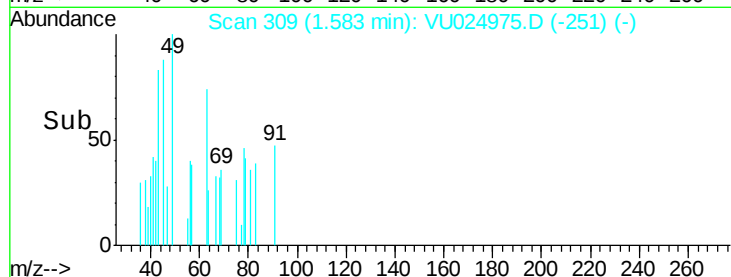
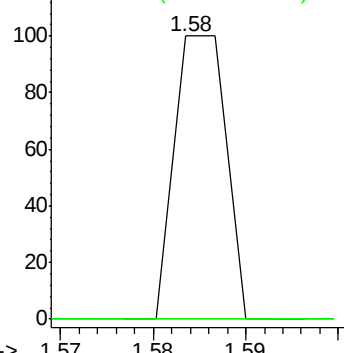
64 100

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



#10

Methyl Iodide

Concen: 5.305 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU024975.D

Acq: 27 Jun 2018 18:54

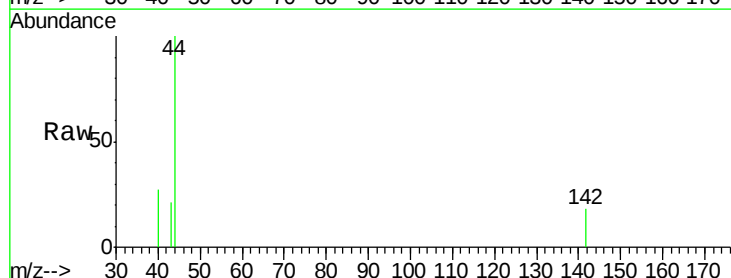
Tgt Ion: 142 Resp: 42

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

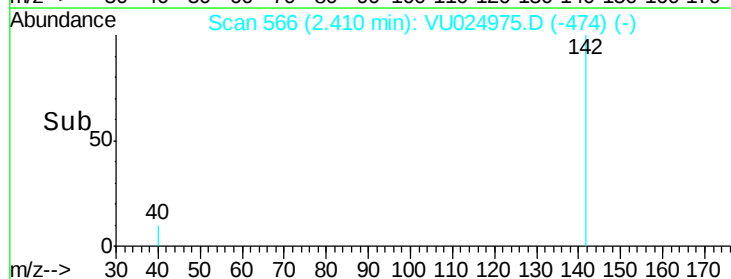
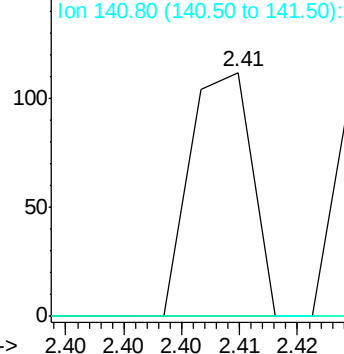
141 0.0 11.7 17.5#

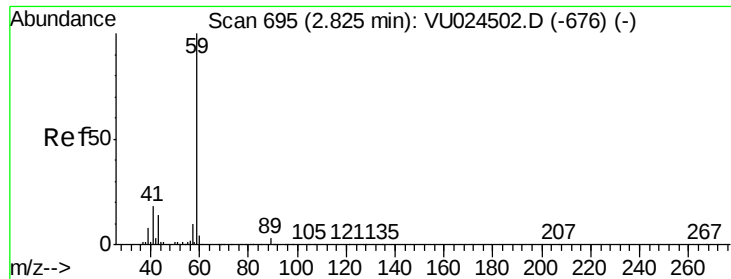


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

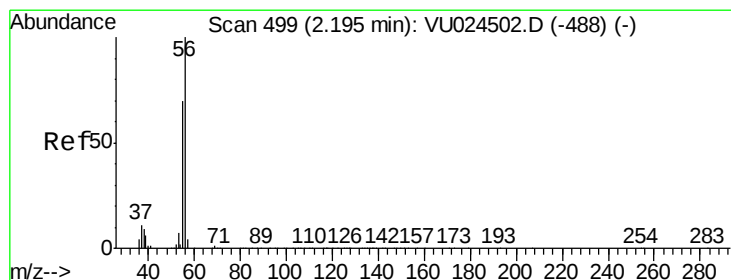
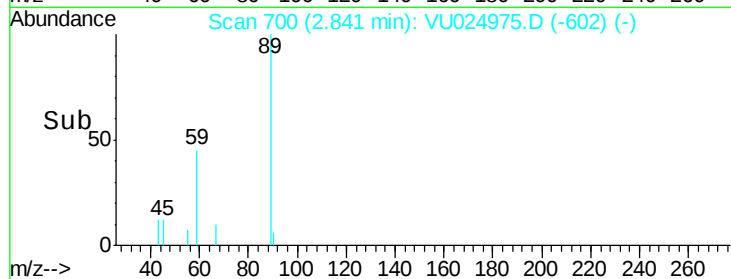
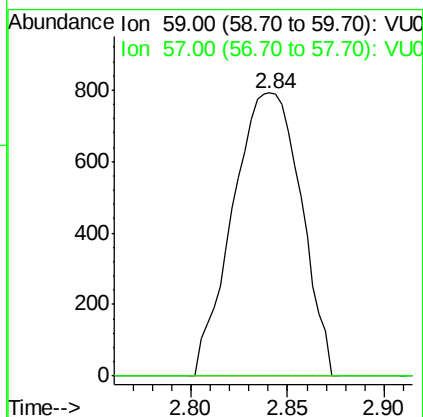
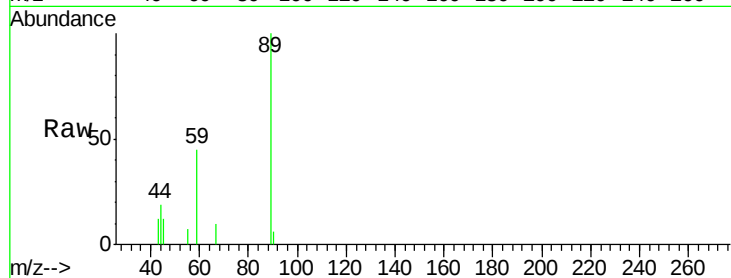




#11
Tert butyl alcohol
Concen: 2.249 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU024975.D
Acq: 27 Jun 2018 18:54

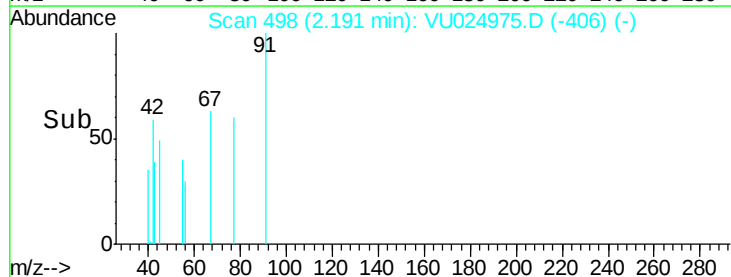
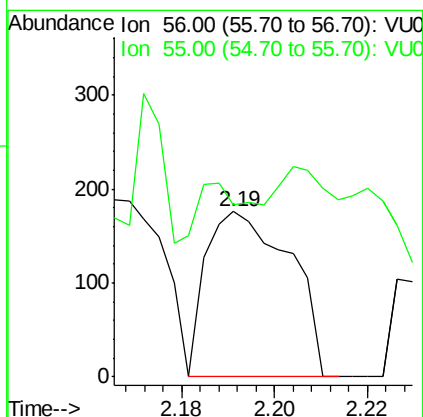
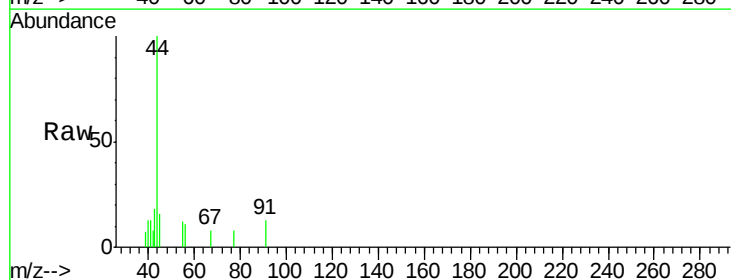
Instrument :
MSVOA_U
ClientSampleId :
WP021SB474-35-37-180620ME

Tgt Ion: 59 Resp: 1938
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.488 ug/l
RT: 2.19 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU024975.D
Acq: 27 Jun 2018 18:54

Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 18.6 58.4 87.6#





#16

Acetone

Concen: 0.751 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024975.D

Acq: 27 Jun 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

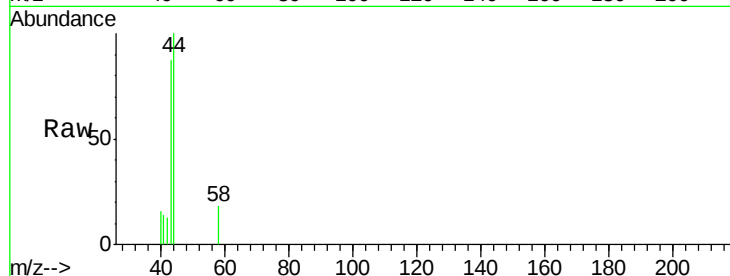
WP021SB474-35-37-180620ME

Tgt Ion: 43 Resp: 1429

Ion Ratio Lower Upper

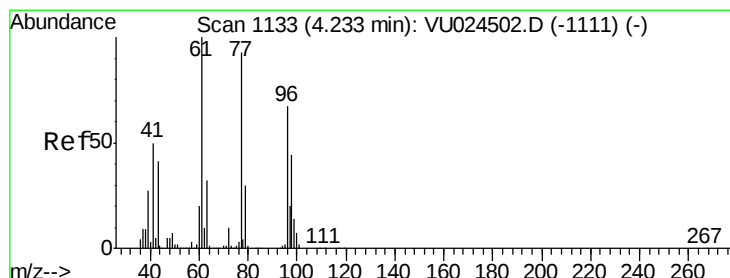
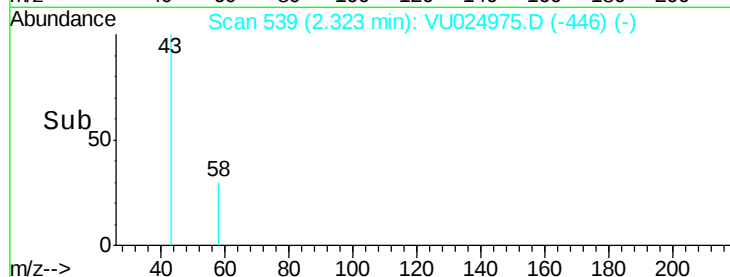
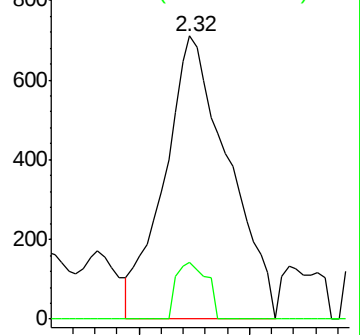
43 100

58 20.3 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: 1.037 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024975.D

Acq: 27 Jun 2018 18:54

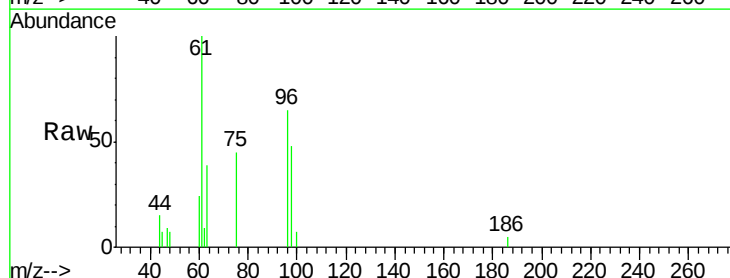
Tgt Ion: 96 Resp: 3246

Ion Ratio Lower Upper

96 100

61 145.8 0.0 306.6

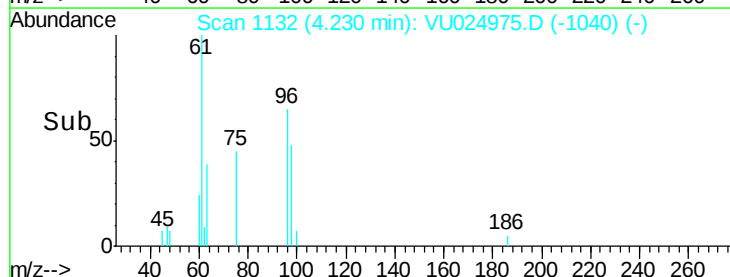
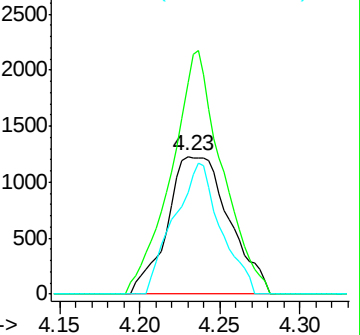
98 71.9 0.0 128.8

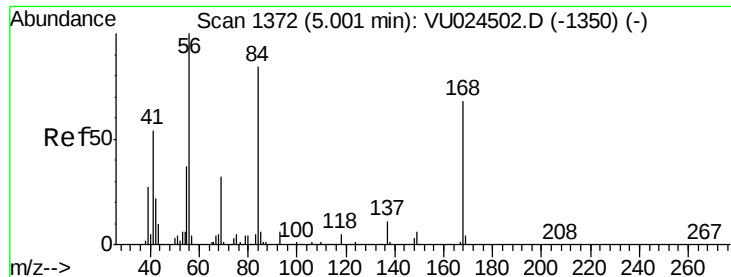


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

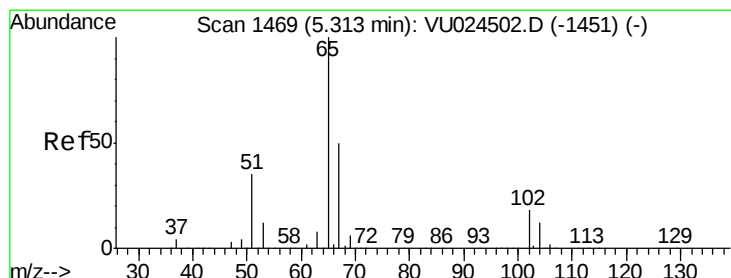
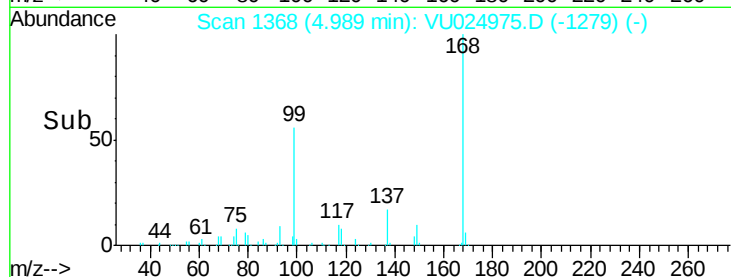
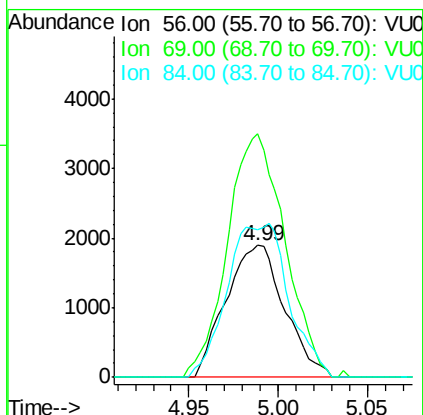
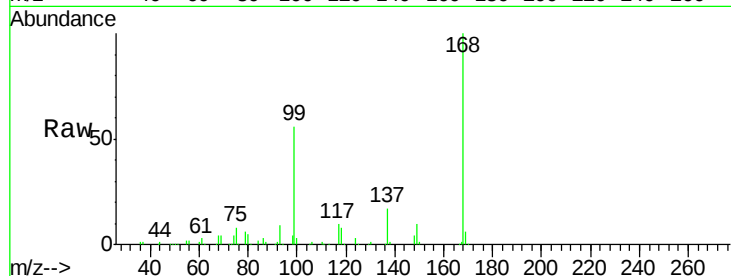




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024975.D
Acq: 27 Jun 2018 18:54

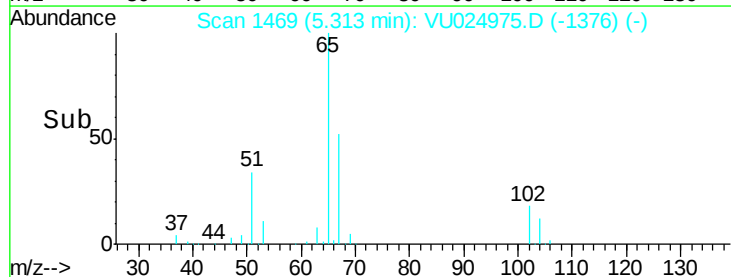
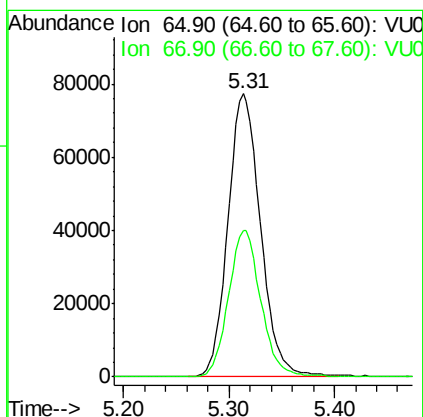
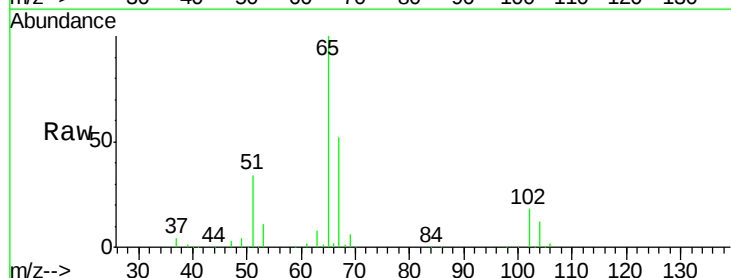
Instrument :
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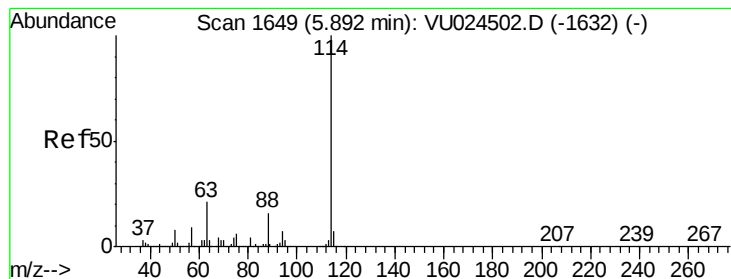
Tgt Ion: 56 Resp: 4343
Ion Ratio Lower Upper
56 100
69 184.8 24.8 37.2#
84 111.7 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.744 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024975.D
Acq: 27 Jun 2018 18:54

Tgt Ion: 65 Resp: 165612
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# 1649

Delta R.T. -0.00 min

Lab File: VU024975.D

Acq: 27 Jun 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-35-37-180620ME

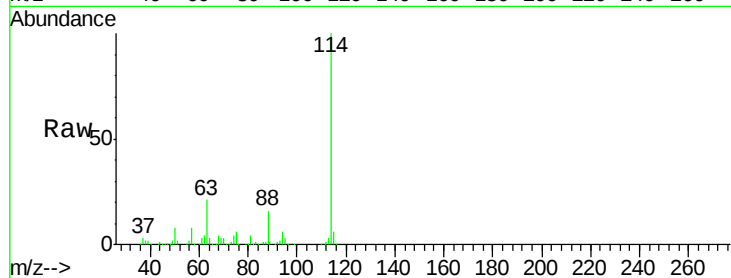
Tgt Ion:114 Resp: 329916

Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.4

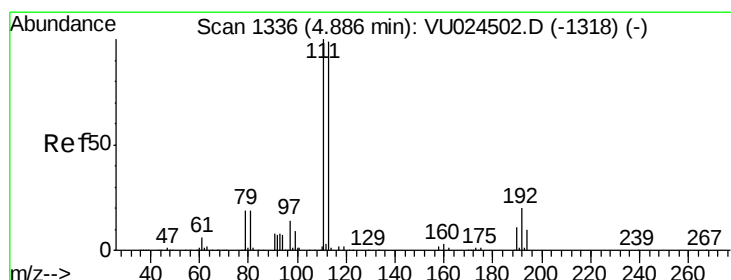
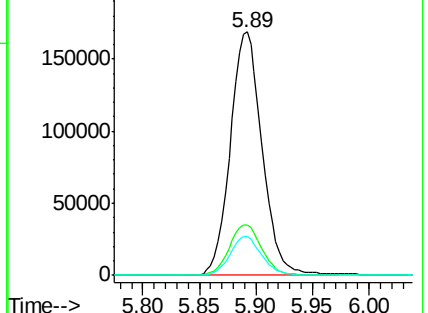
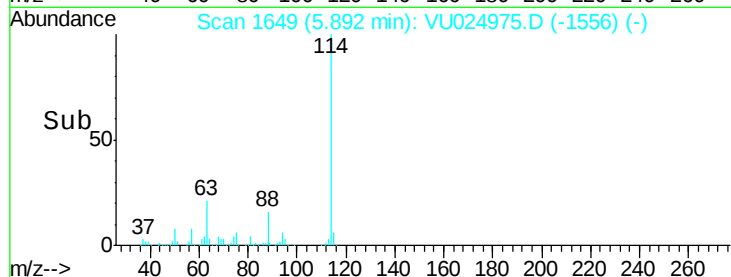
88 16.2 0.0 31.0



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: 47.032 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024975.D

Acq: 27 Jun 2018 18:54

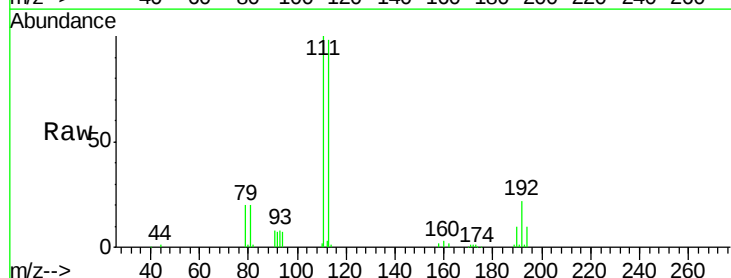
Tgt Ion:113 Resp: 128776

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

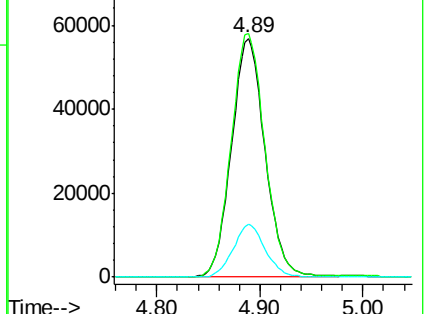
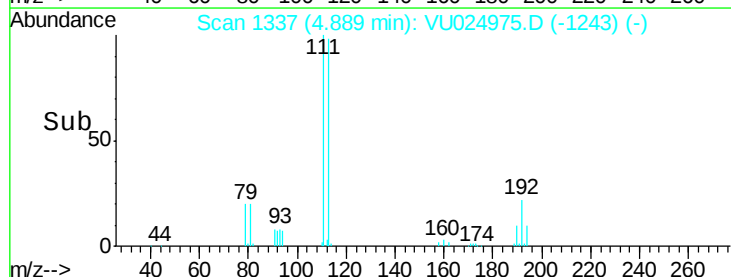
192 21.2 16.2 24.4

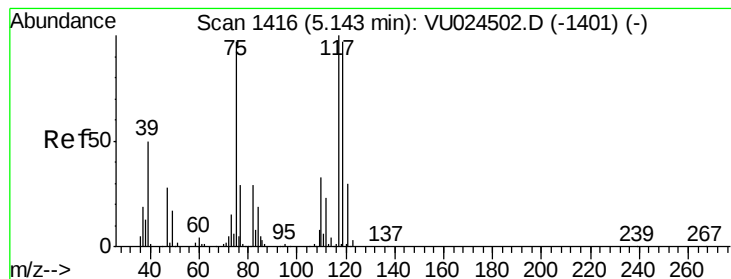


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.274 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024975.D

Acq: 27 Jun 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-35-37-180620ME

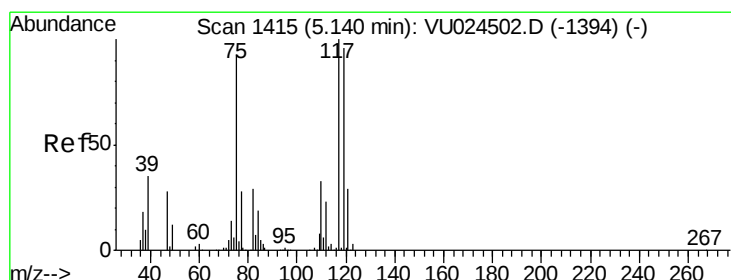
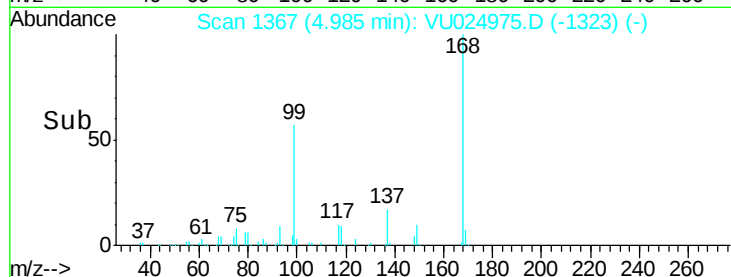
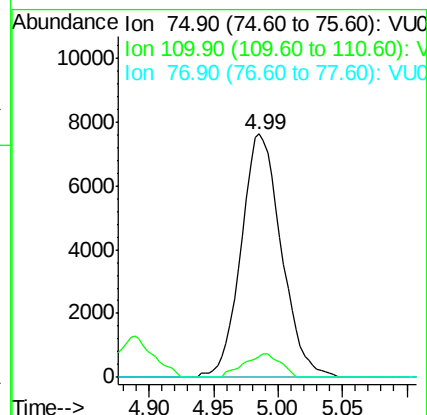
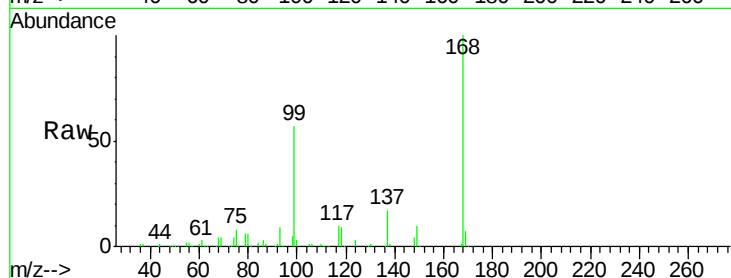
Tgt Ion: 75 Resp: 16571

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024975.D

Acq: 27 Jun 2018 18:54

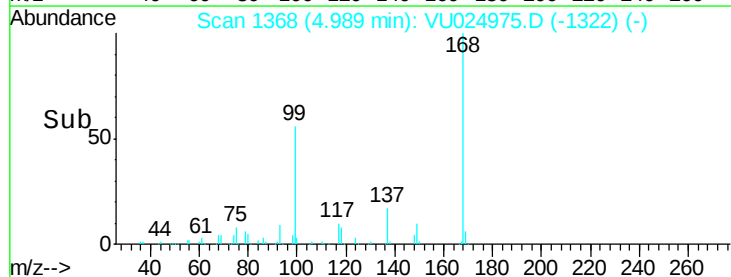
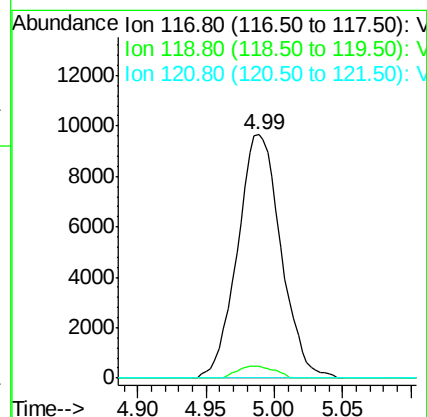
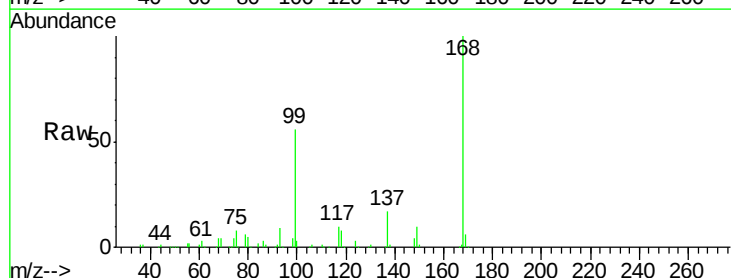
Tgt Ion: 117 Resp: 21315

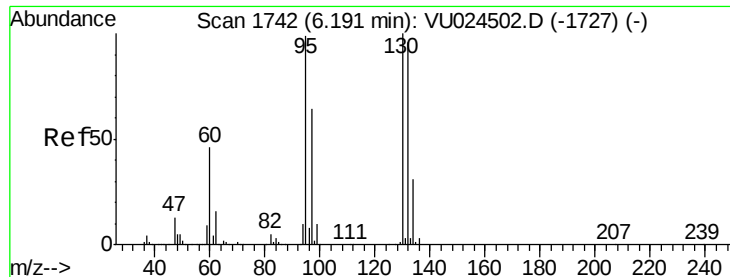
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 23.7 35.5#

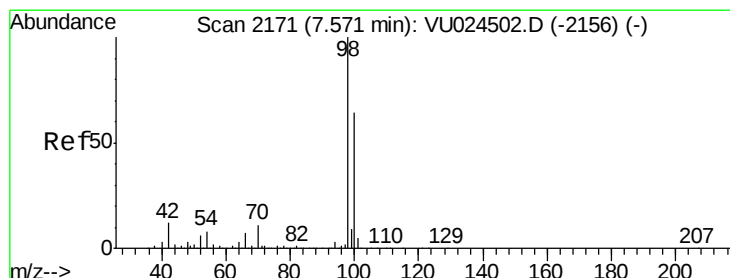
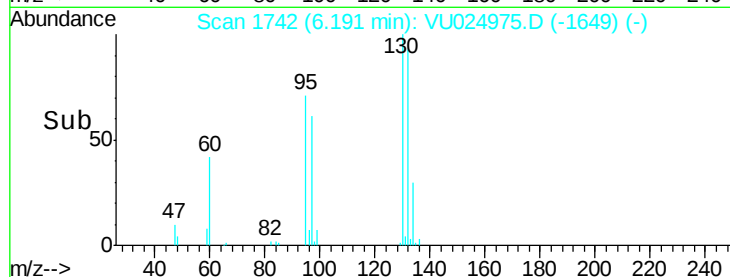
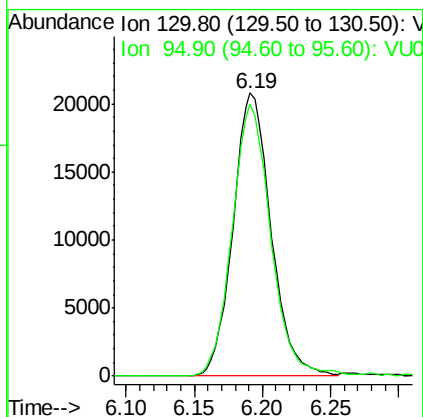
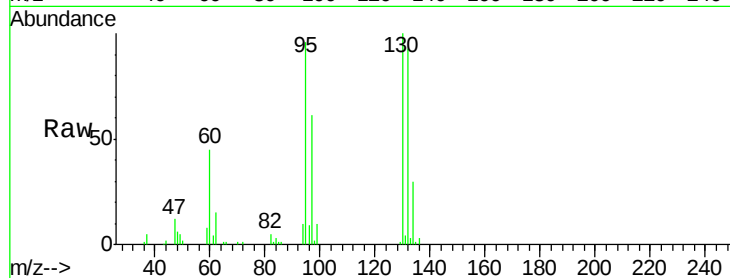




#44
 Trichloroethene
 Concen: 12.792 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU024975.D
 Acq: 27 Jun 2018 18:54

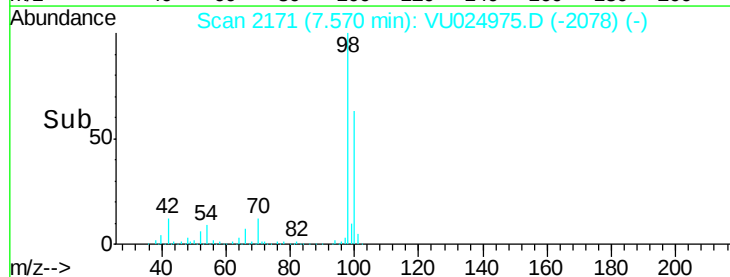
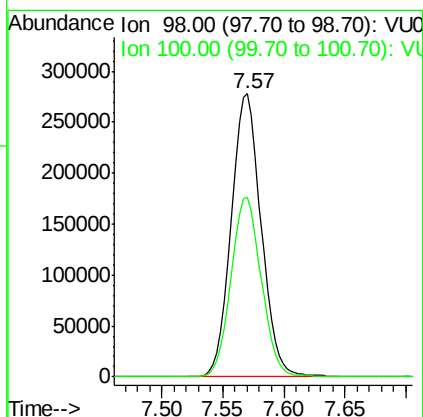
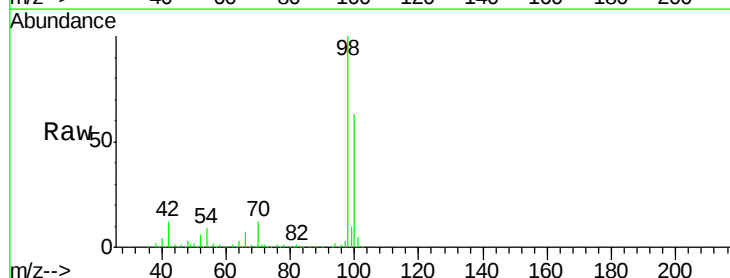
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB474-35-37-180620ME

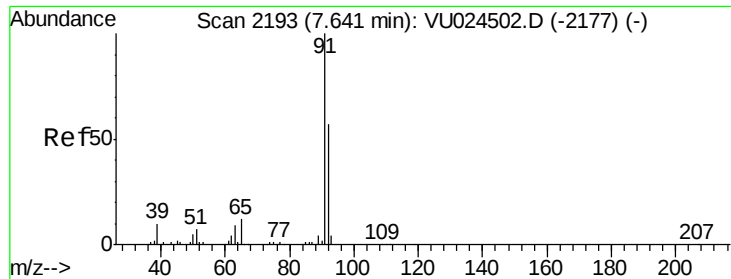
Tgt Ion:130 Resp: 40216
 Ion Ratio Lower Upper
 130 100
 95 96.1 0.0 202.4



#50
 Toluene-d8
 Concen: 47.625 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU024975.D
 Acq: 27 Jun 2018 18:54

Tgt Ion: 98 Resp: 475646
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.1 76.7





#52

Toluene

Concen: 0.205 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024975.D

Acq: 27 Jun 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

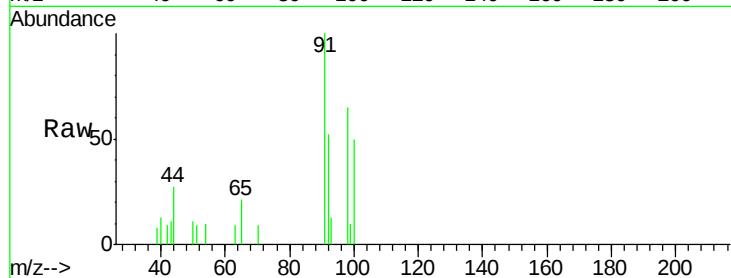
WP021SB474-35-37-180620ME

Tgt Ion: 92 Resp: 1459

Ion Ratio Lower Upper

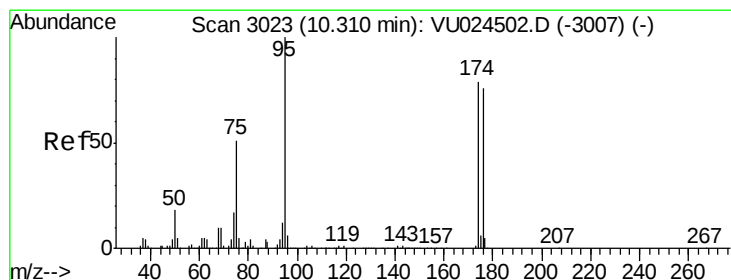
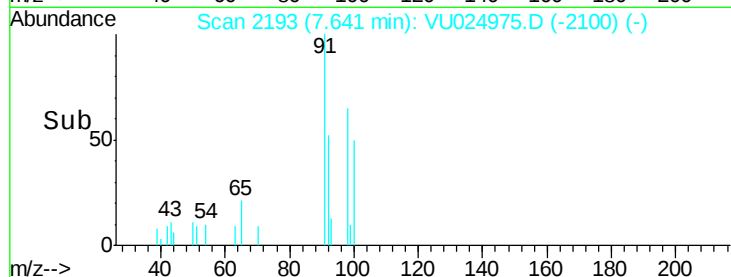
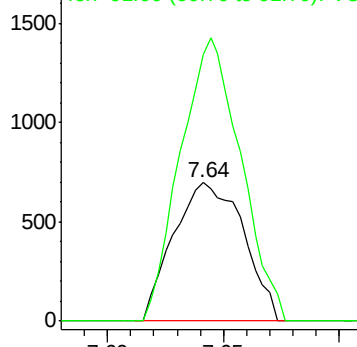
92 100

91 176.5 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 45.113 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024975.D

Acq: 27 Jun 2018 18:54

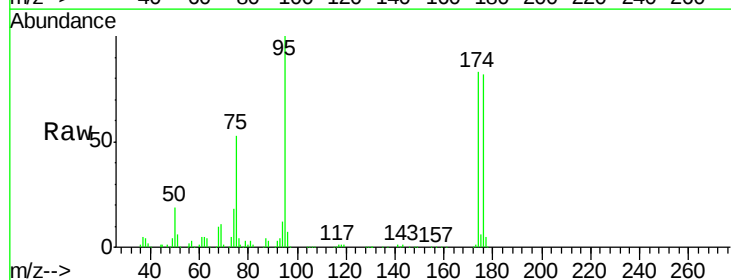
Tgt Ion: 95 Resp: 178890

Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.8

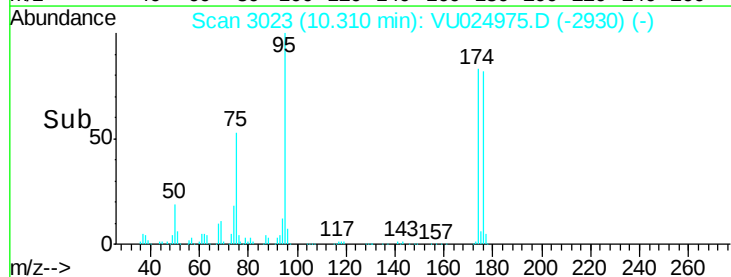
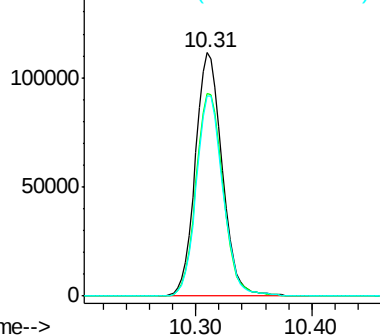
176 81.8 0.0 159.4

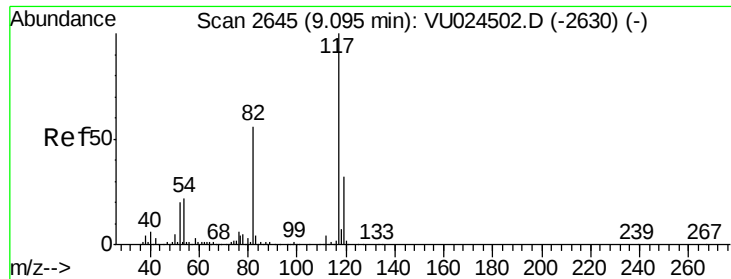


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

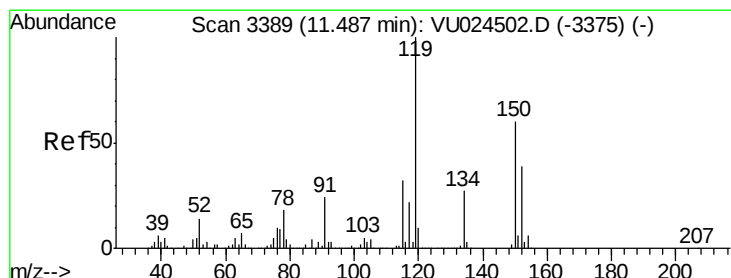
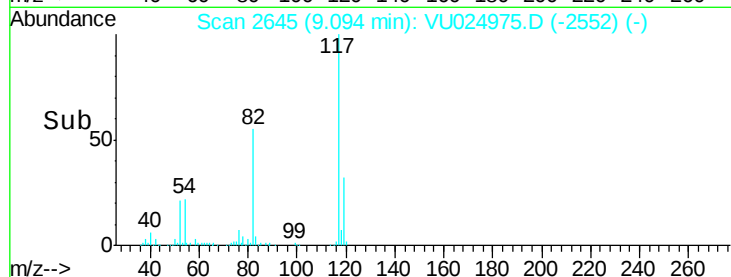
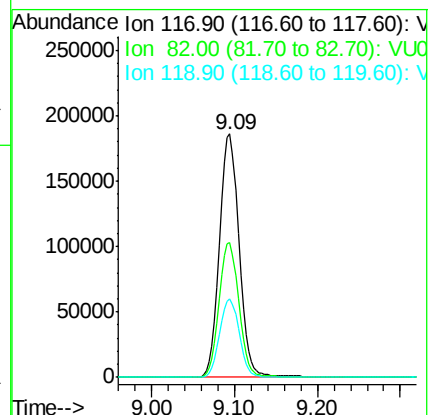
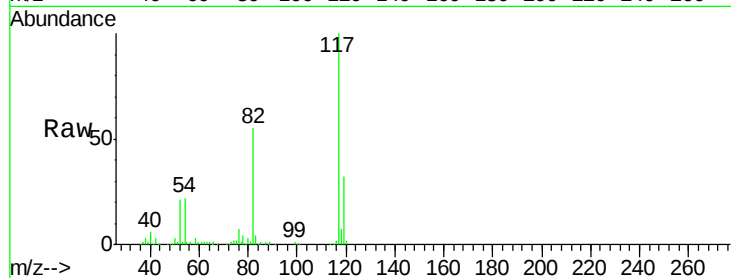




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024975.D
Acq: 27 Jun 2018 18:54

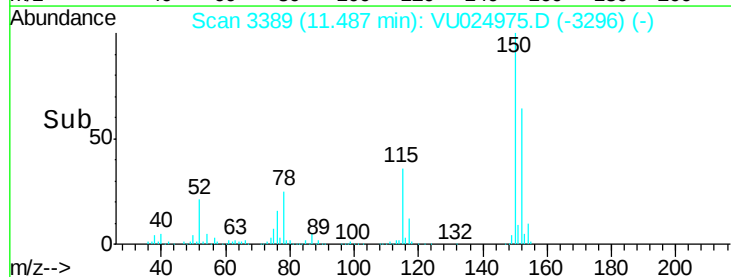
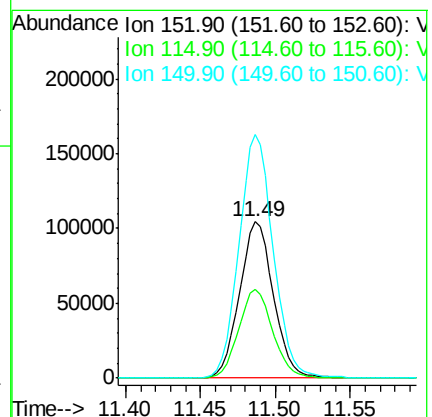
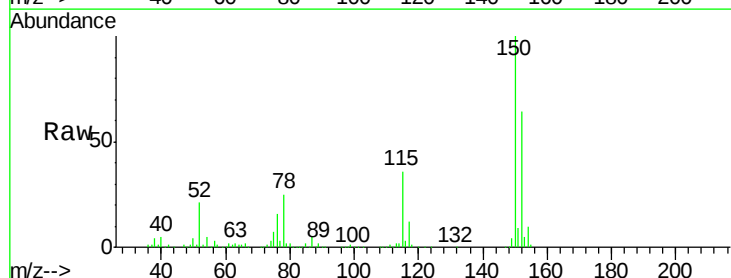
Instrument :
MSVOA_U
ClientSampleId :
WP021SB474-35-37-180620ME

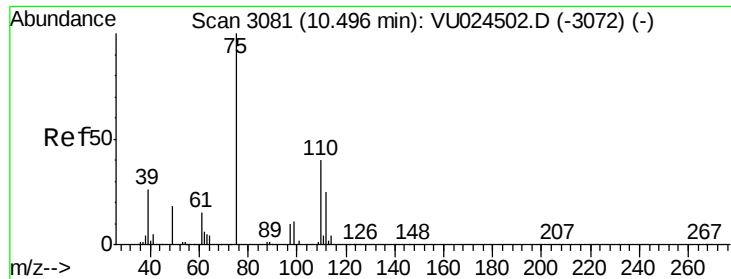
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.3	66.5
119	32.1	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024975.D
Acq: 27 Jun 2018 18:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	43.0	129.0
150	157.0	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 25.911 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024975.D

Acq: 27 Jun 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

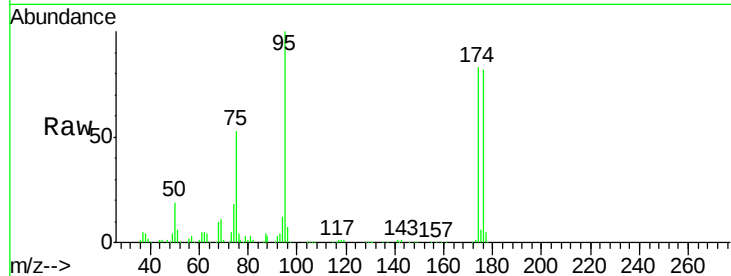
WP021SB474-35-37-180620ME

Tgt Ion: 75 Resp: 94225

Ion Ratio Lower Upper

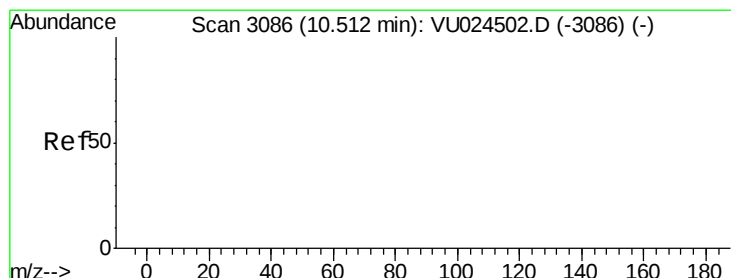
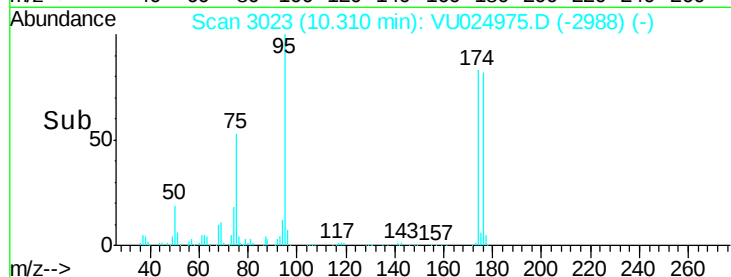
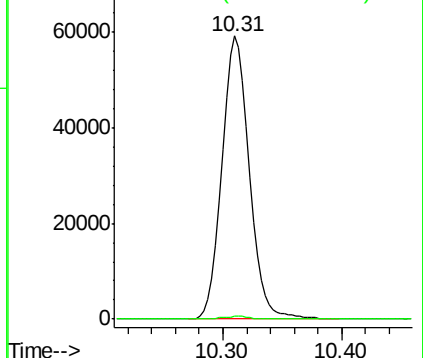
75 100

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: 59.969 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024975.D

Acq: 27 Jun 2018 18:54

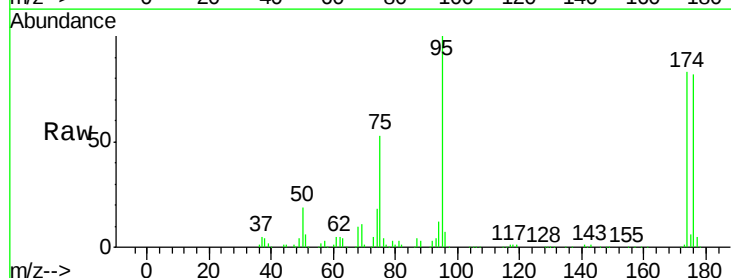
Tgt Ion: 75 Resp: 94225

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

