

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024999.D
 Acq On : 28 Jun 2018 04:59
 Operator : MD/SY
 Sample : J3671-07ME 10X
 Misc : 6.83g/5mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB478-19-21-180621ME

Quant Time: Jun 28 06:46:54 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	217239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	322470	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	300436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	164336	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	162943	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
35) Dibromofluoromethane	4.89	113	125543	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
50) Toluene-d8	7.57	98	466278	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
62) 4-Bromofluorobenzene	10.31	95	176945	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	

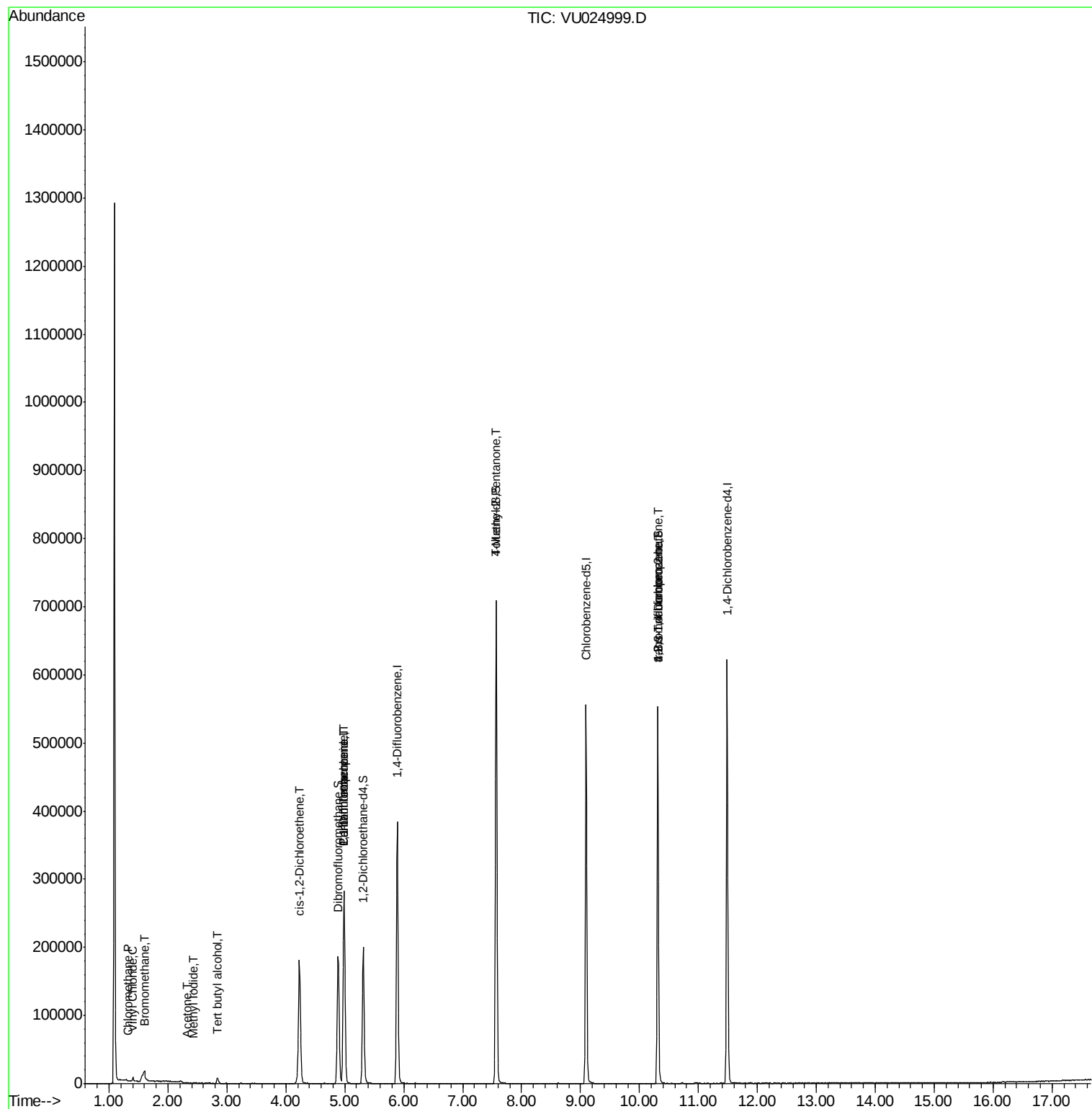
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	717	0.258	ug/l	91
4) Vinyl Chloride	1.40	62	3831	1.337	ug/l	100
5) Bromomethane	1.61	94	576	0.416	ug/l #	73
6) Chloroethane	1.75	64	43	Below Cal	#	43
10) Methyl Iodide	2.42	142	66	5.314	ug/l #	73
11) Tert butyl alcohol	2.84	59	4320	5.008	ug/l #	72
16) Acetone	2.33	43	1059	0.556	ug/l #	76
27) cis-1,2-Dichloroethene	4.23	96	101063	32.266	ug/l	91
31) Cyclohexane	4.99	56	4297	Below Cal	#	15
36) 1,1-Dichloropropene	4.99	75	16032	4.231	ug/l #	49
38) Carbon Tetrachloride	4.99	117	21246	5.099	ug/l #	17
51) 4-Methyl-2-Pentanone	7.57	43	2167	0.483	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	93502	25.843	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	93502	59.811	ug/l #	100

(#) = 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: VU024999.D

Acq: 28 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

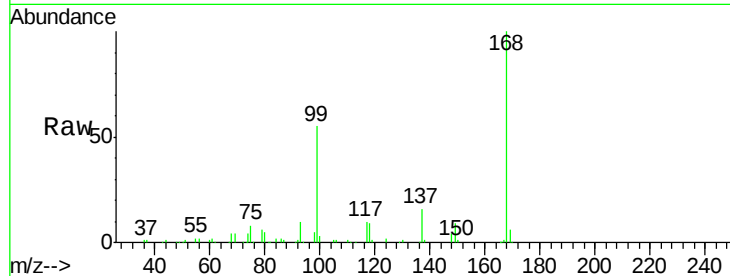
WP021SB478-19-21-180621ME

Tgt Ion:168 Resp: 217239

Ion Ratio Lower Upper

168 100

99 55.4 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

100000

80000

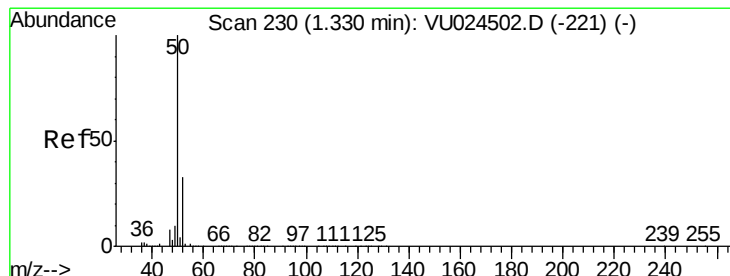
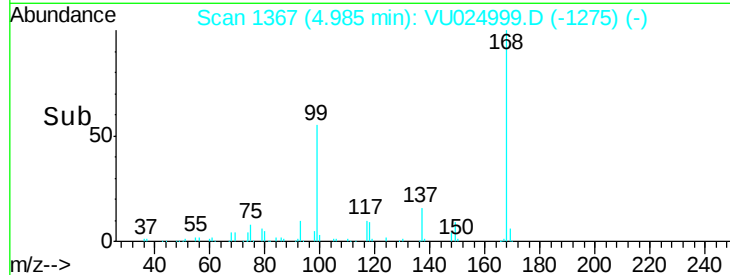
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.258 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024999.D

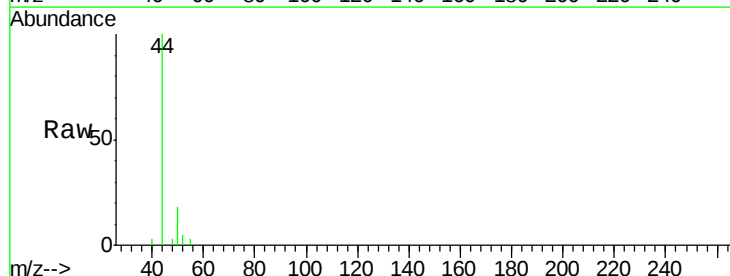
Acq: 28 Jun 2018 04:59

Tgt Ion: 50 Resp: 717

Ion Ratio Lower Upper

50 100

52 28.2 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

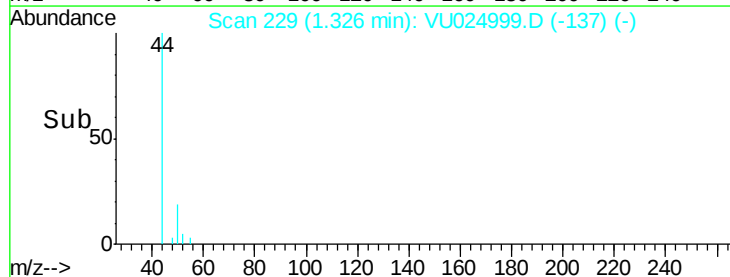
600

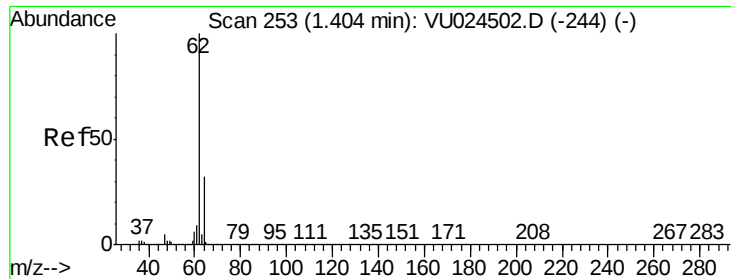
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 1.337 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024999.D

Acq: 28 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

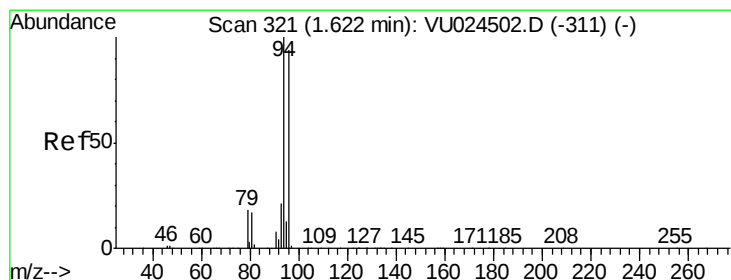
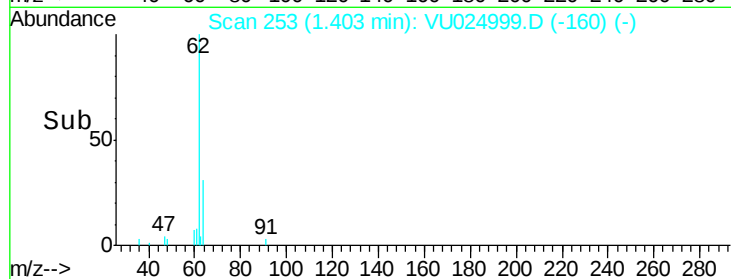
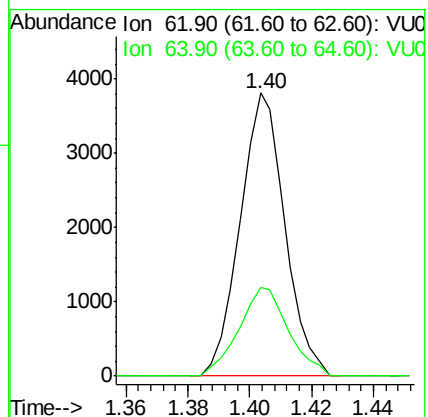
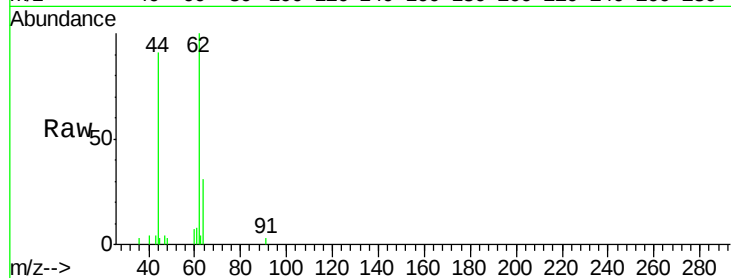
WP021SB478-19-21-180621ME

Tgt Ion: 62 Resp: 3831

Ion Ratio Lower Upper

62 100

64 31.3 24.8 37.2



#5

Bromomethane

Concen: 0.416 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU024999.D

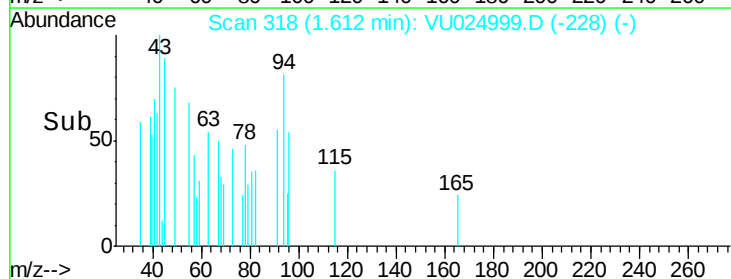
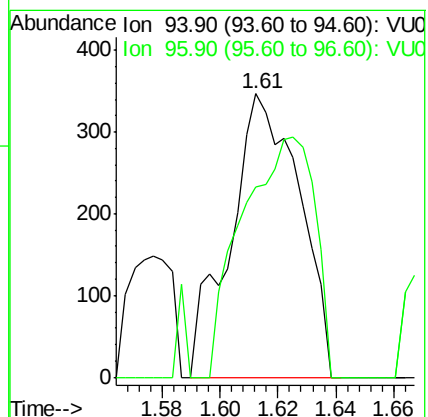
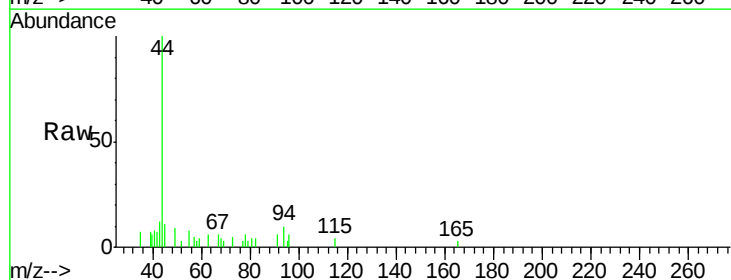
Acq: 28 Jun 2018 04:59

Tgt Ion: 94 Resp: 576

Ion Ratio Lower Upper

94 100

96 67.1 74.5 111.7#





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 360

Delta R.T. 0.05 min

Lab File: VU024999.D

Acq: 28 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

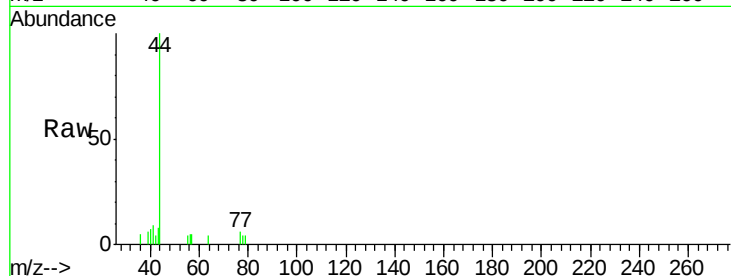
WP021SB478-19-21-180621ME

Tgt Ion: 64 Resp: 43

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

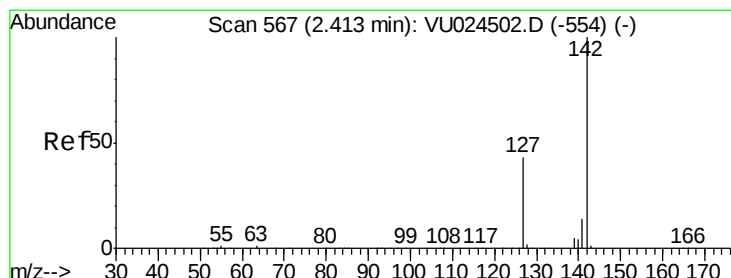
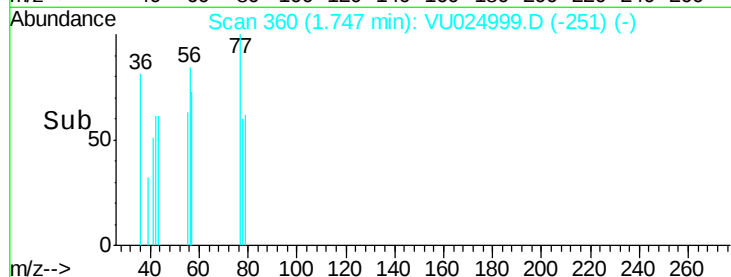
1.75

100

50

0

Time--> 1.73 1.74 1.75



#10

Methyl Iodide

Concen: 5.314 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU024999.D

Acq: 28 Jun 2018 04:59

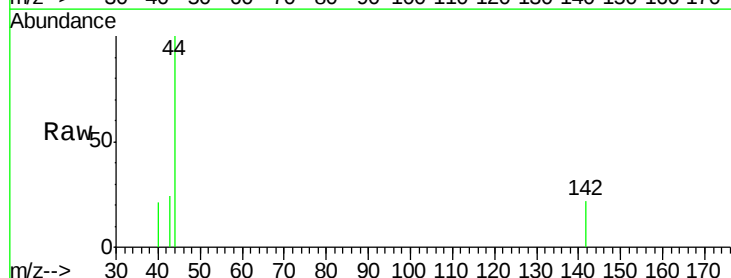
Tgt Ion: 142 Resp: 66

Ion Ratio Lower Upper

142 100

127 28.8 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

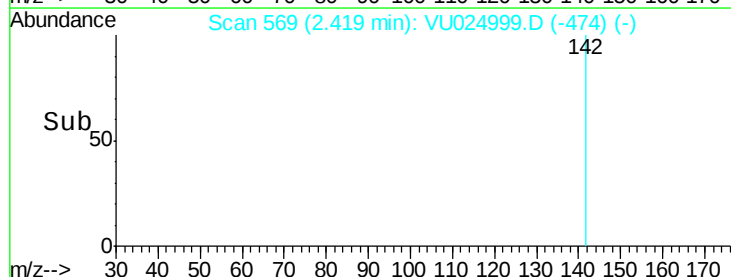
150

100

50

0

Time--> 2.40 2.41 2.42 2.43

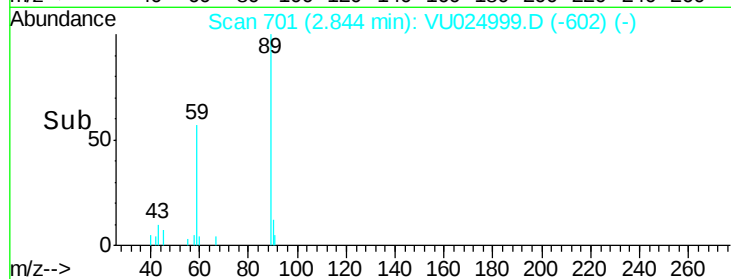
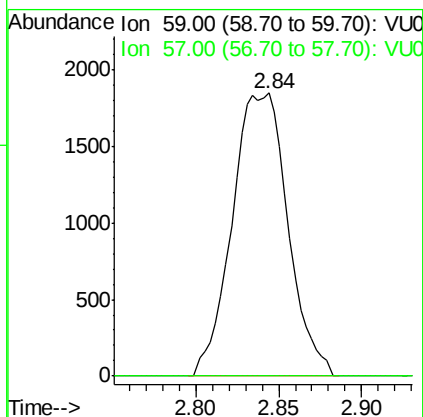
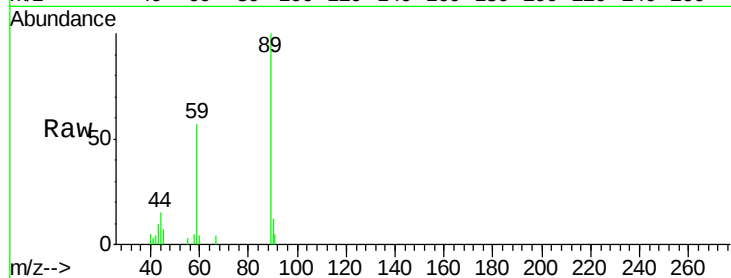




#11
Tert butyl alcohol
Concen: 5.008 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU024999.D
Acq: 28 Jun 2018 04:59

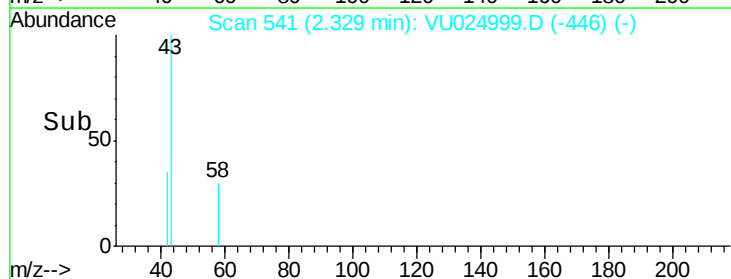
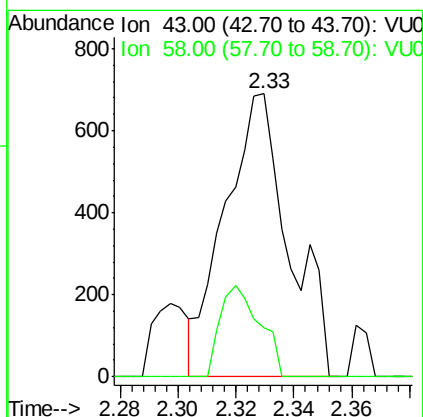
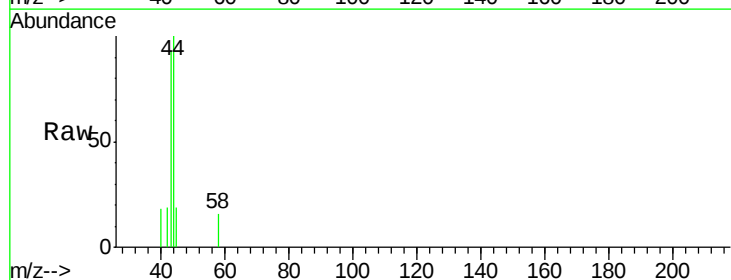
Instrument :
MSVOA_U
ClientSampleId :
WP021SB478-19-21-180621ME

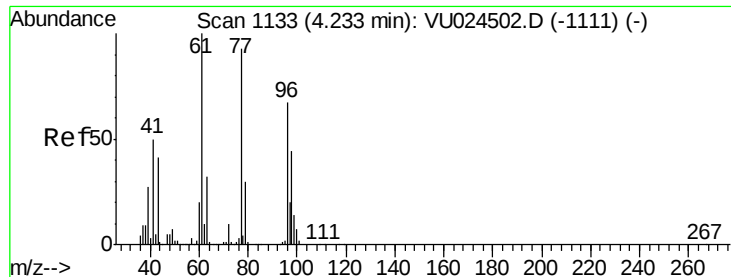
Tgt Ion: 59 Resp: 4320
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 0.556 ug/l
RT: 2.33 min Scan# 541
Delta R.T. 0.01 min
Lab File: VU024999.D
Acq: 28 Jun 2018 04:59

Tgt Ion: 43 Resp: 1059
Ion Ratio Lower Upper
43 100
58 17.5 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 32.266 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024999.D

Acq: 28 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

WP021SB478-19-21-180621ME

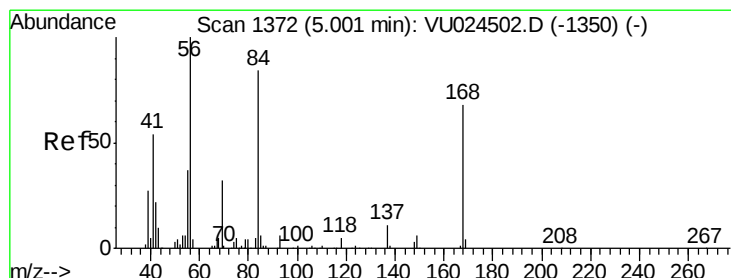
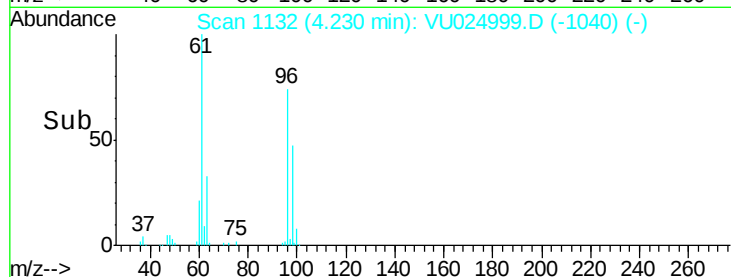
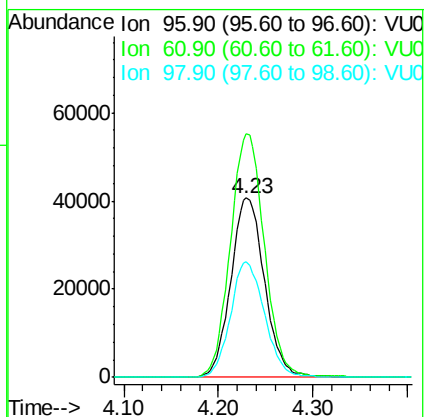
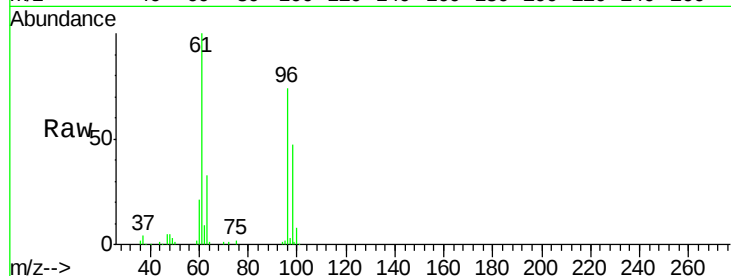
Tgt Ion: 96 Resp: 101063

Ion Ratio Lower Upper

96 100

61 136.6 0.0 306.6

98 65.1 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024999.D

Acq: 28 Jun 2018 04:59

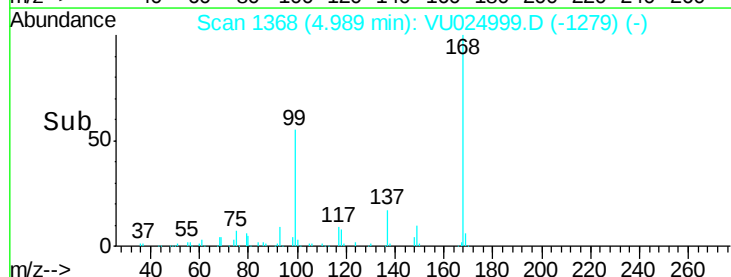
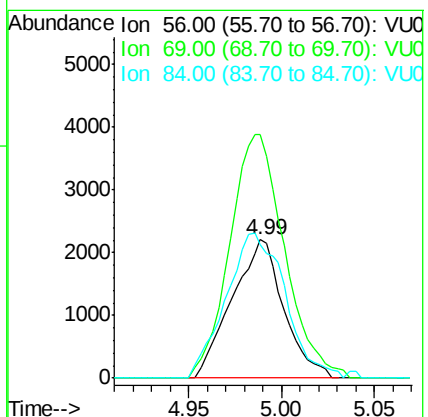
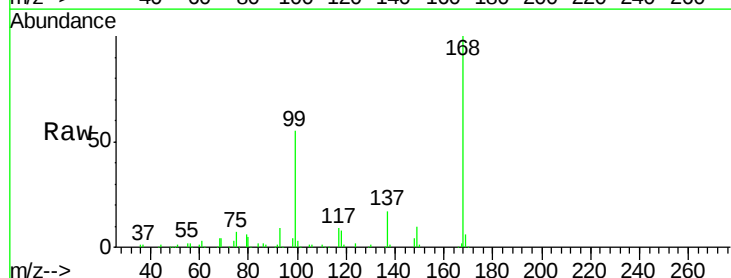
Tgt Ion: 56 Resp: 4297

Ion Ratio Lower Upper

56 100

69 175.5 24.8 37.2#

84 96.9 65.2 97.8

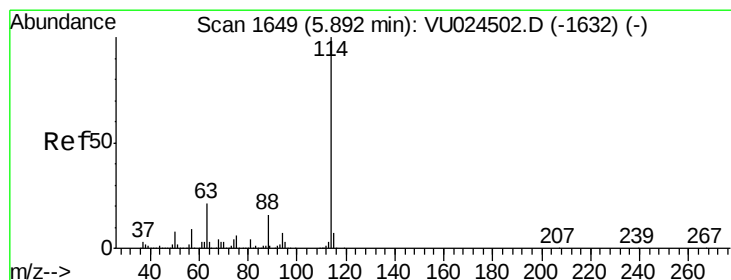
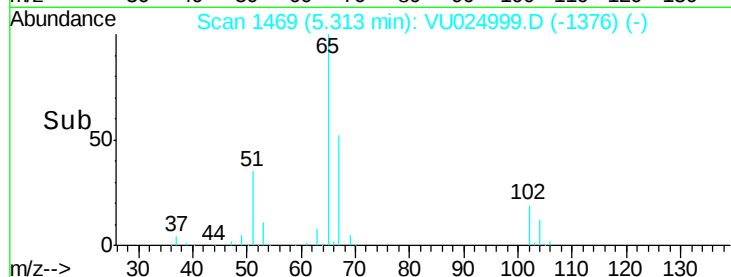
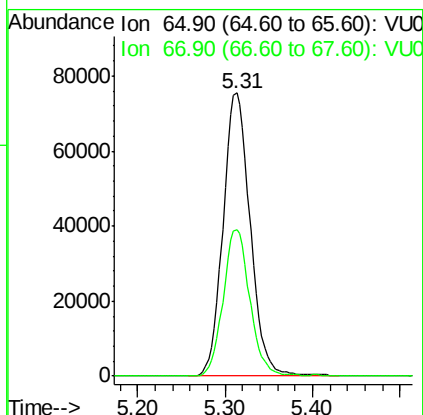
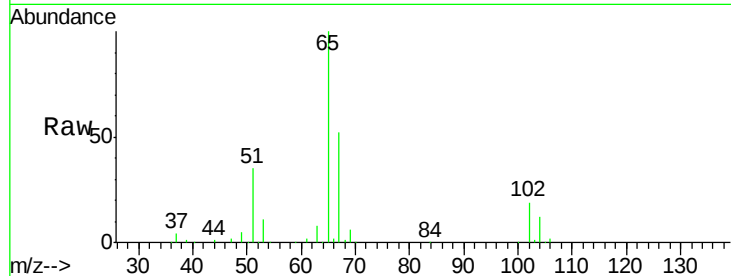




#33
 1,2-Dichloroethane-d4
 Concen: 45.945 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024999.D
 Acq: 28 Jun 2018 04:59

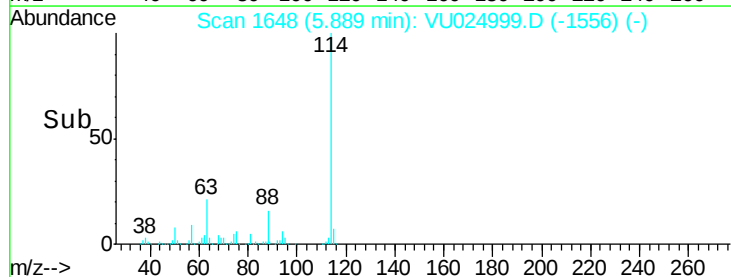
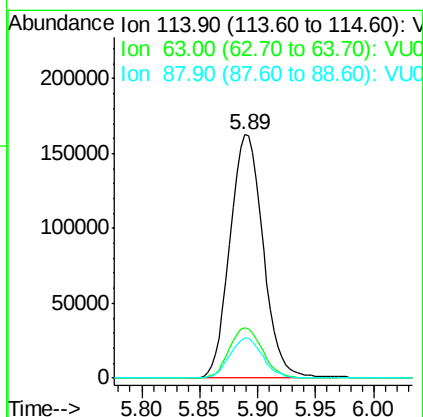
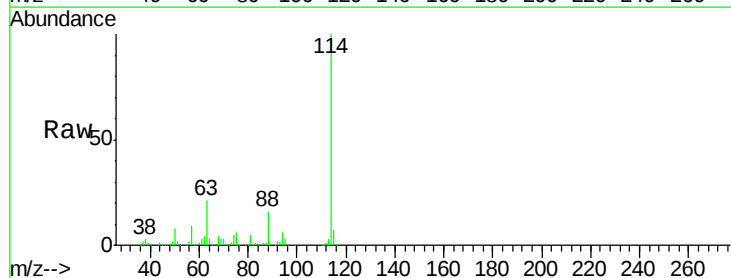
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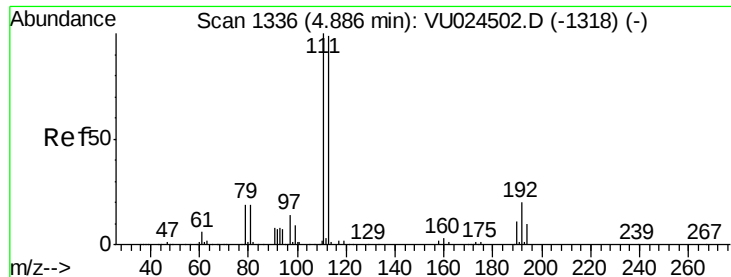
Tgt Ion: 65 Resp: 162943
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024999.D
 Acq: 28 Jun 2018 04:59

Tgt Ion: 114 Resp: 322470
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 45.4
 88 16.3 0.0 31.0

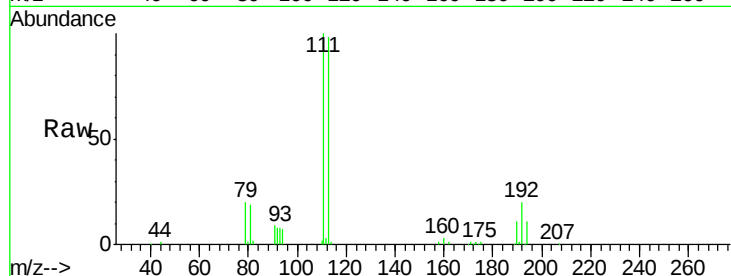




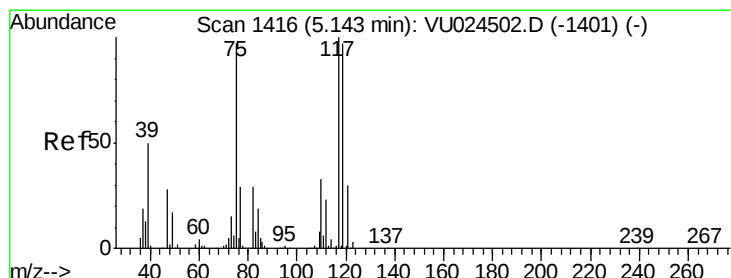
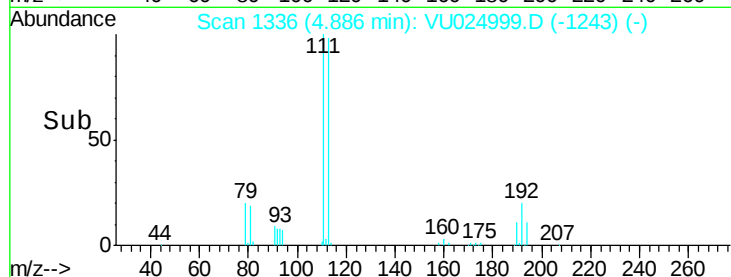
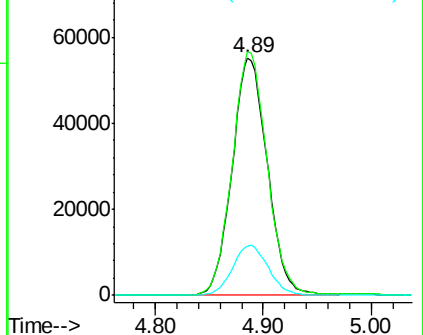
#35
 Dibromofluoromethane
 Concen: 46.910 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024999.D
 Acq: 28 Jun 2018 04:59

Instrument :
 MSVOA_U
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 WP021SB478-19-21-180621ME

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	21.3	16.2	24.4

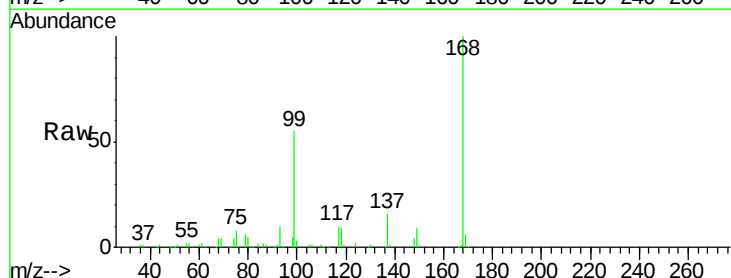


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

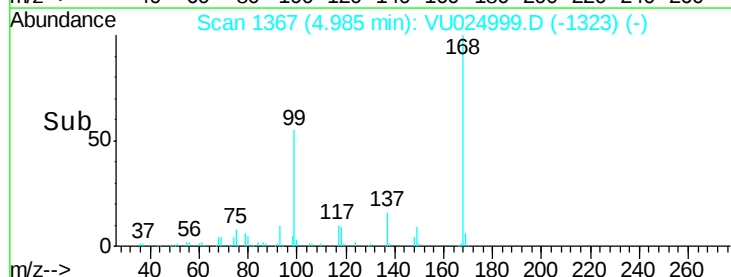
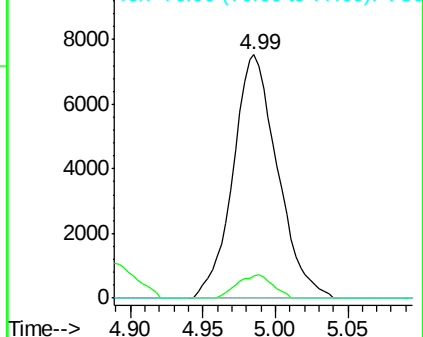


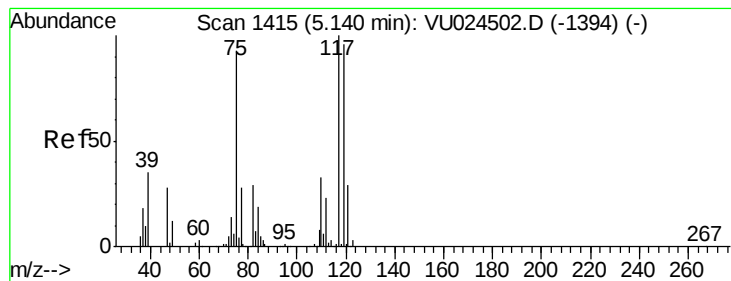
#36
 1,1-Dichloropropene
 Concen: 4.231 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024999.D
 Acq: 28 Jun 2018 04:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	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: 5.099 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024999.D

Acq: 28 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

WP021SB478-19-21-180621ME

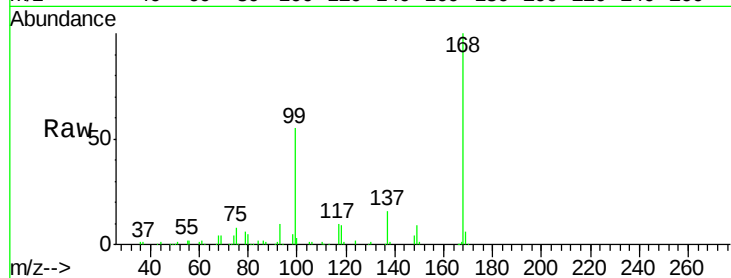
Tgt Ion:117 Resp: 21246

Ion Ratio Lower Upper

117 100

119 6.0 76.1 114.1#

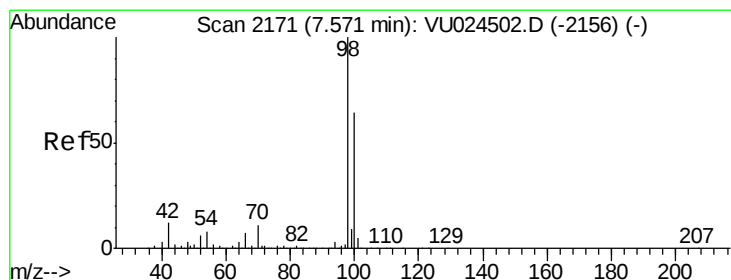
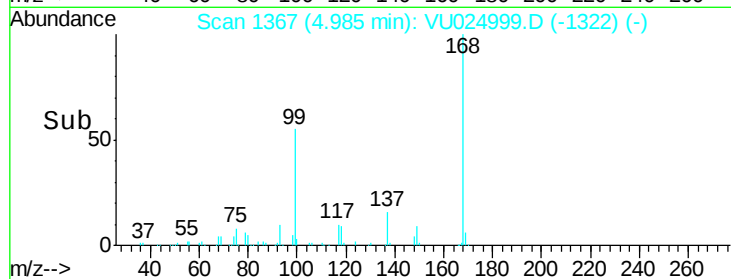
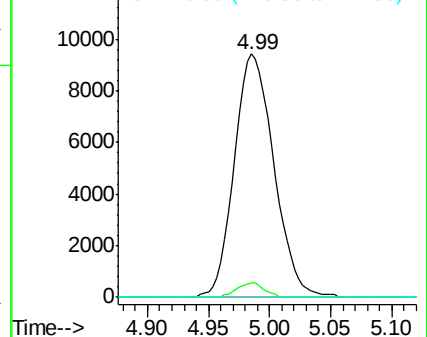
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 47.765 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024999.D

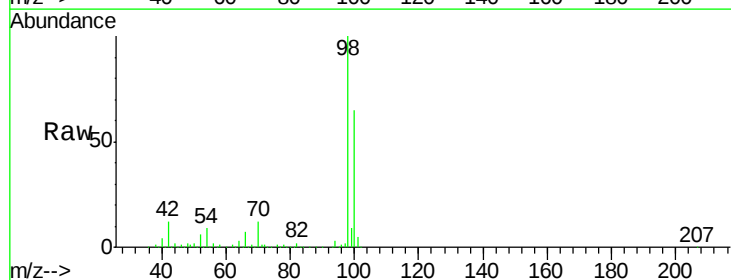
Acq: 28 Jun 2018 04:59

Tgt Ion: 98 Resp: 466278

Ion Ratio Lower Upper

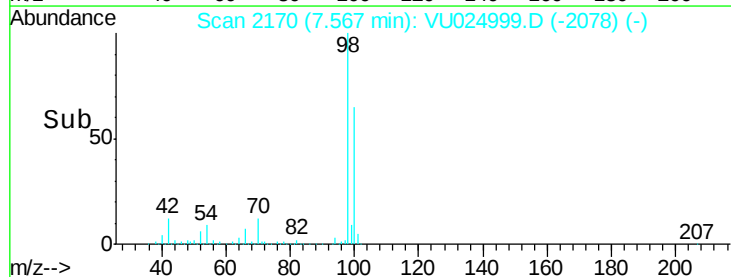
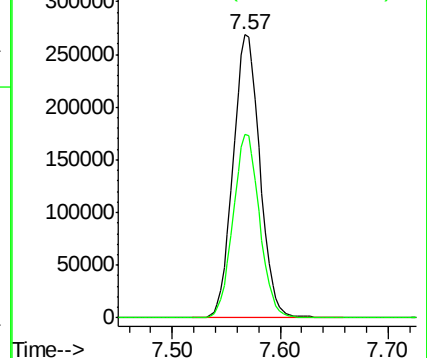
98 100

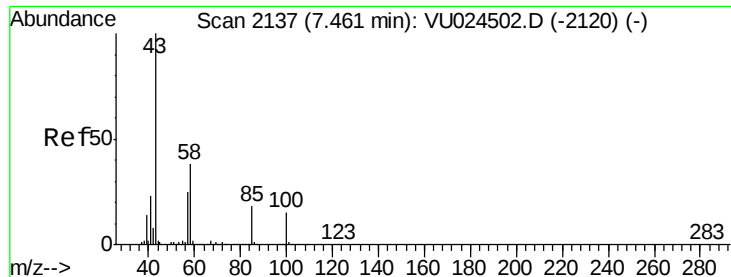
100 63.9 51.1 76.7



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: 0.483 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.11 min

Lab File: VU024999.D

Acq: 28 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

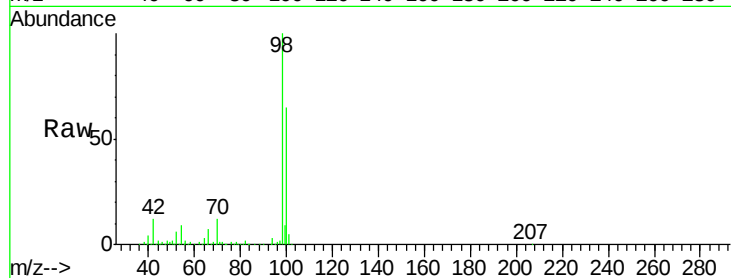
WP021SB478-19-21-180621ME

Tgt Ion: 43 Resp: 2167

Ion Ratio Lower Upper

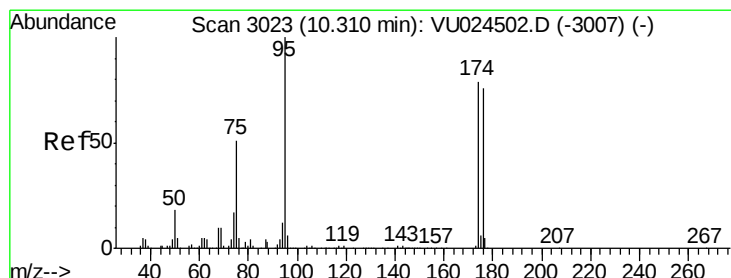
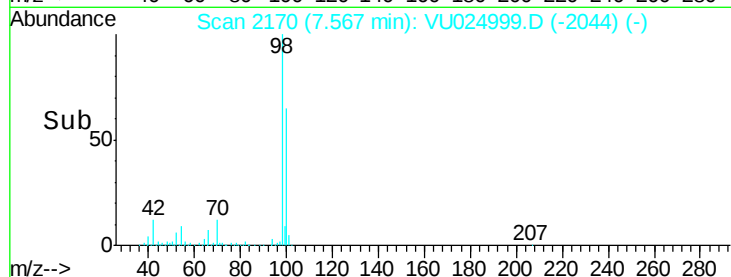
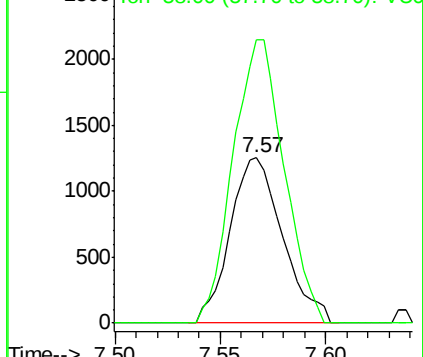
43 100

58 166.5 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 45.653 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024999.D

Acq: 28 Jun 2018 04:59

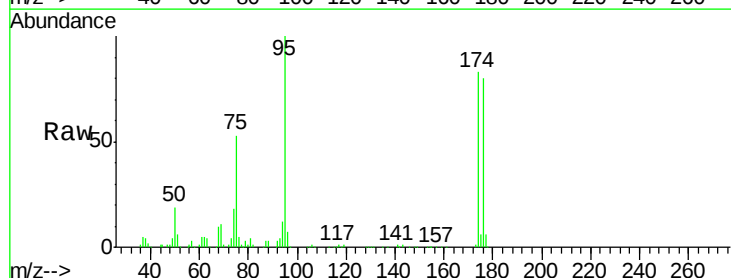
Tgt Ion: 95 Resp: 176945

Ion Ratio Lower Upper

95 100

174 83.8 0.0 165.8

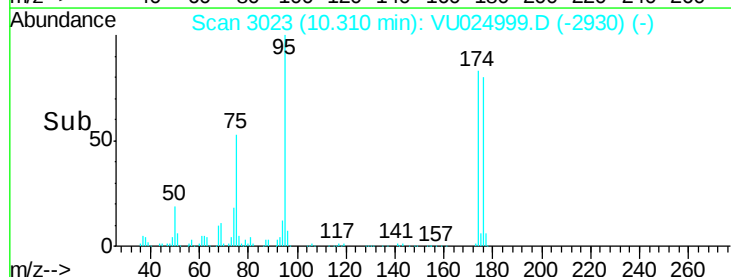
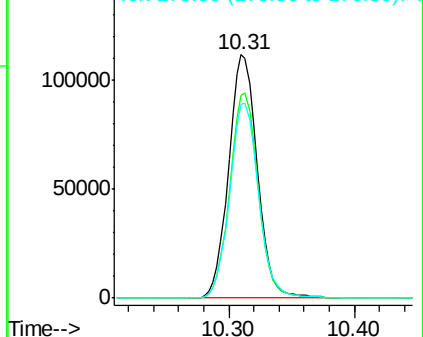
176 81.0 0.0 159.4

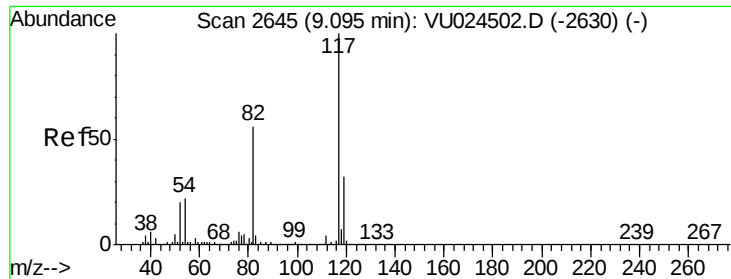


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

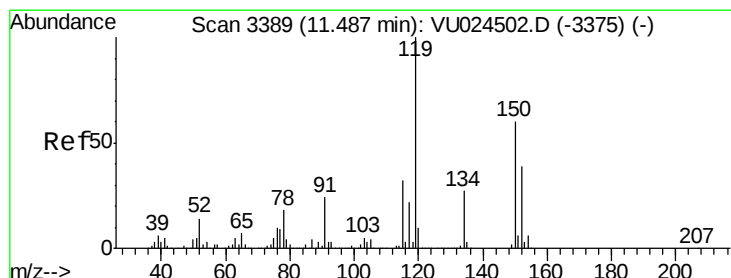
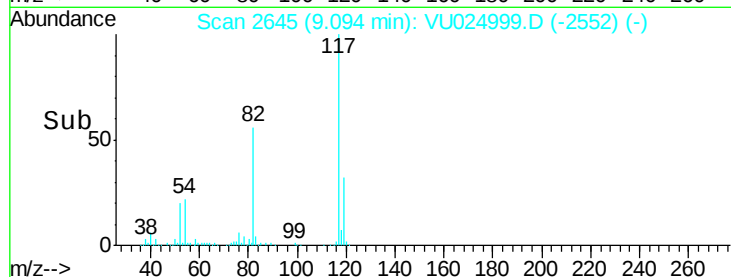
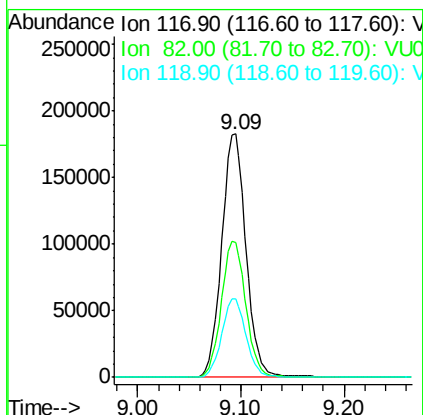
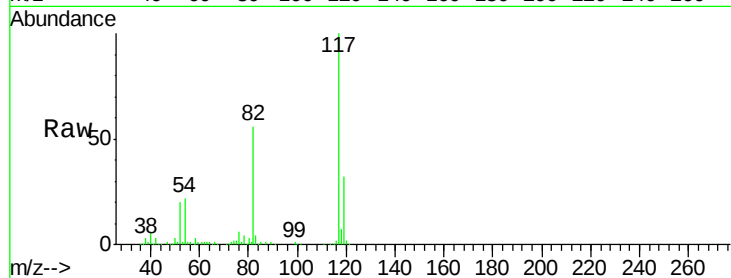




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024999.D
Acq: 28 Jun 2018 04:59

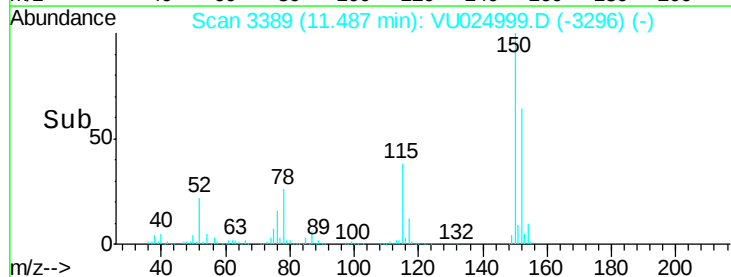
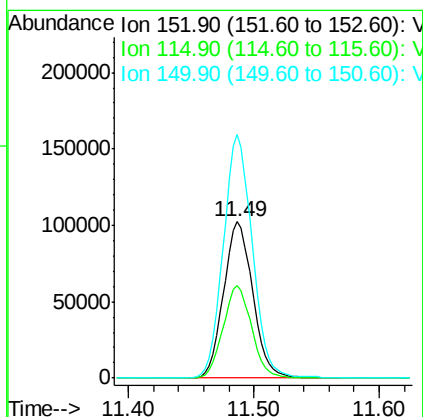
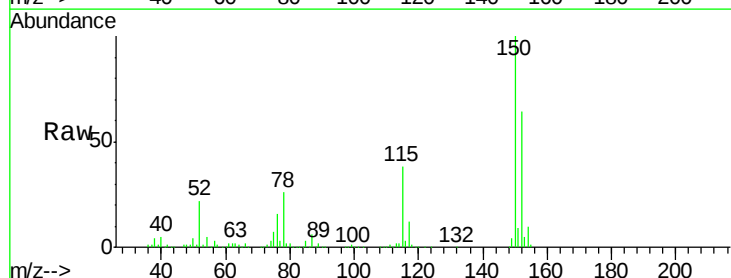
Instrument :
MSVOA_U
ClientSampleId :
WP021SB478-19-21-180621ME

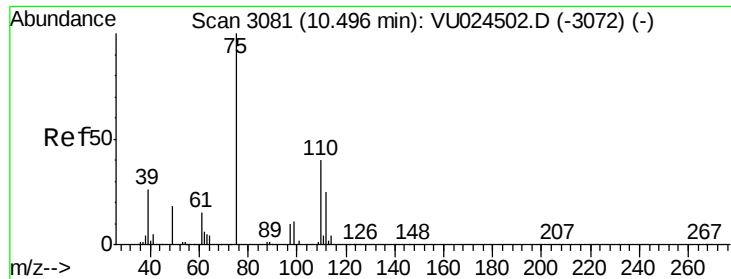
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.3	66.5
119	32.1	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024999.D
Acq: 28 Jun 2018 04:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	43.0	129.0
150	155.4	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 25.843 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024999.D

Acq: 28 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

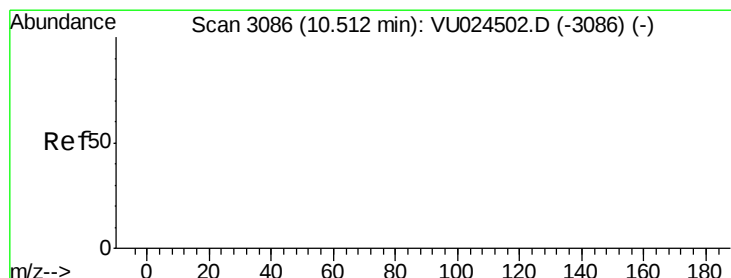
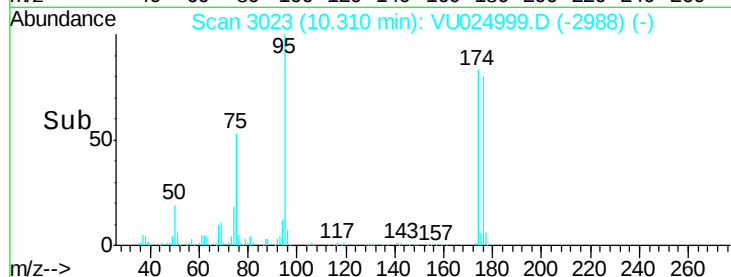
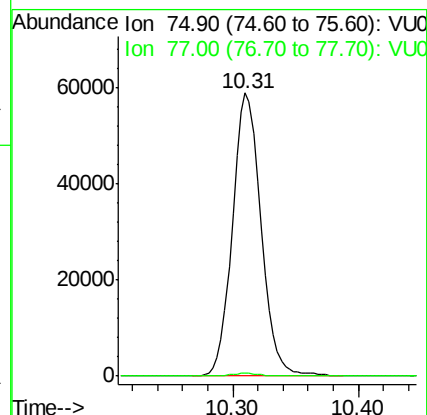
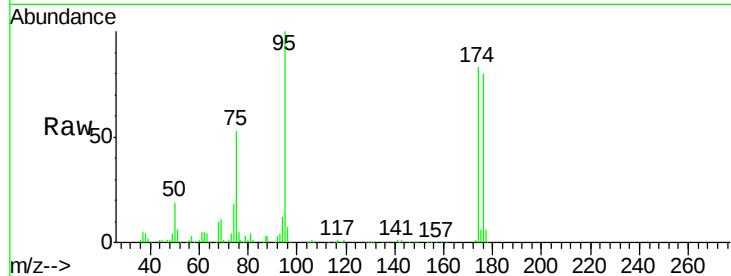
WP021SB478-19-21-180621ME

Tgt Ion: 75 Resp: 93502

Ion Ratio Lower Upper

75 100

77 0.9 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.811 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024999.D

Acq: 28 Jun 2018 04:59

Tgt Ion: 75 Resp: 93502

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

