

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062318\
 Data File : VU024856.D
 Acq On : 23 Jun 2018 01:05
 Operator : MD/SY
 Sample : J3662-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW348-180619

Quant Time: Jun 23 02:18:55 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	206561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	312964	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	291125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154367	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	151583	44.95	ug/l	0.00
Spiked Amount			Recovery	=	89.90%	
35) Dibromofluoromethane	4.89	113	122028	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	
50) Toluene-d8	7.57	98	453034	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	10.31	95	165770	44.07	ug/l	0.00
Spiked Amount			Recovery	=	88.14%	

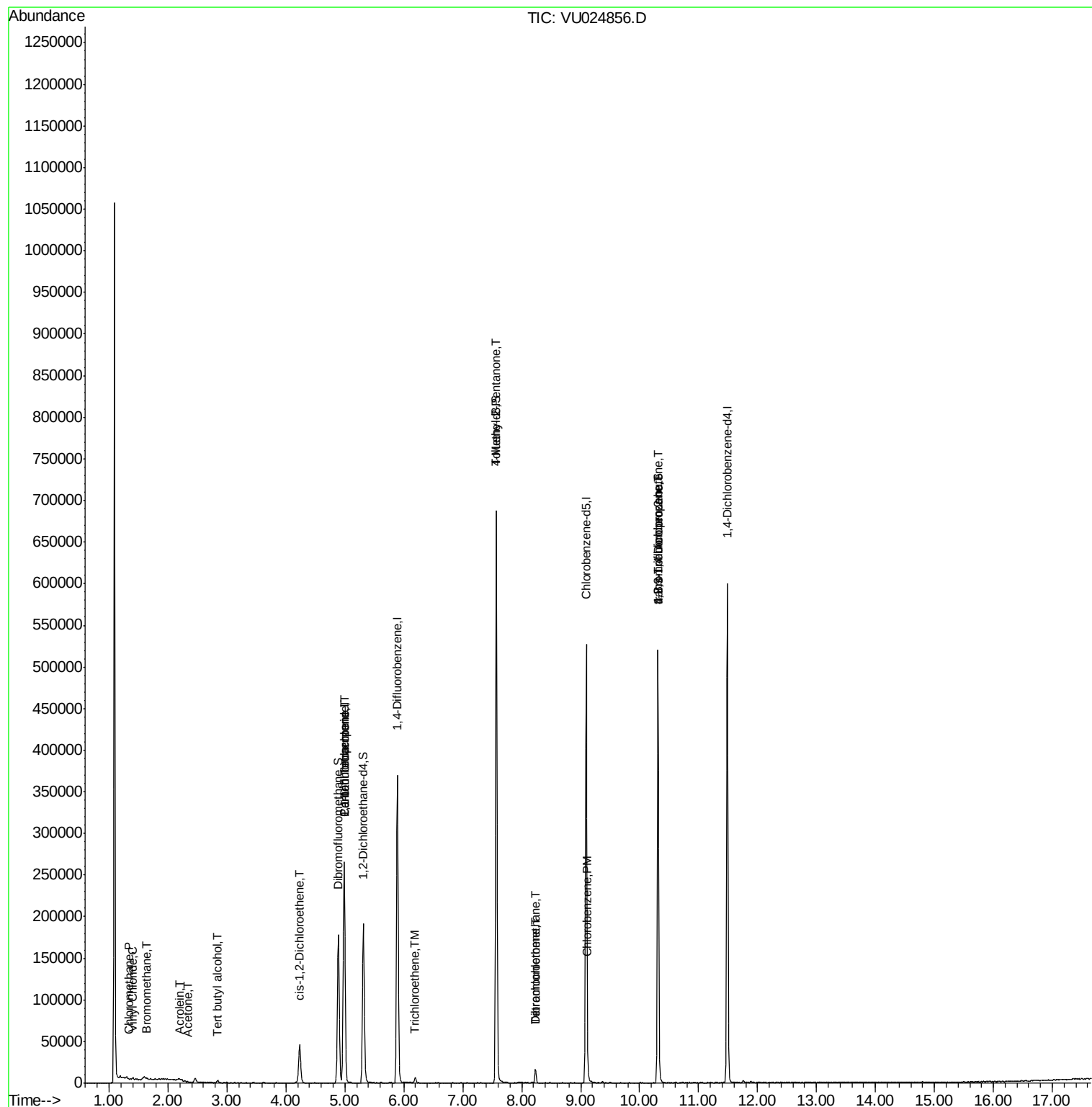
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	620	0.23	ug/l	92
4) Vinyl Chloride	1.40	62	1764	0.65	ug/l #	85
5) Bromomethane	1.64	94	332	0.25	ug/l	93
6) Chloroethane	1.72	64	42	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	1560	1.90	ug/l #	75
13) Acrolein	2.20	56	146	0.34	ug/l #	13
16) Acetone	2.33	43	675	0.37	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	25575	8.59	ug/l	89
31) Cyclohexane	4.99	56	4433	Below Cal	#	21
36) 1,1-Dichloropropene	4.99	75	15354	4.18	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19125	4.73	ug/l #	16
44) Trichloroethene	6.19	130	2415	0.81	ug/l	93
51) 4-Methyl-2-Pentanone	7.57	43	2187	0.50	ug/l #	1
60) Dibromochloromethane	8.23	129	3691	1.08	ug/l #	11
64) Tetrachloroethene	8.23	164	3774	1.36	ug/l	94
65) Chlorobenzene	9.12	112	2292	0.31	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	87591	25.77	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	87591	59.65	ug/l #	100

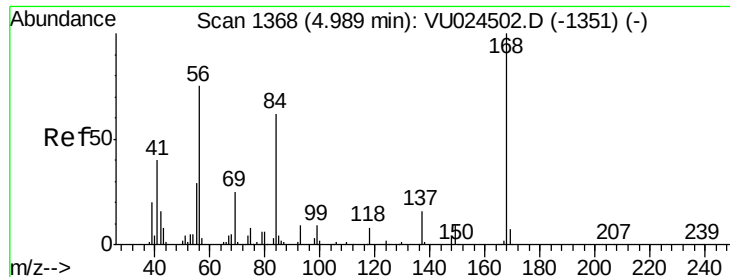
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024856.D

Acq: 23 Jun 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

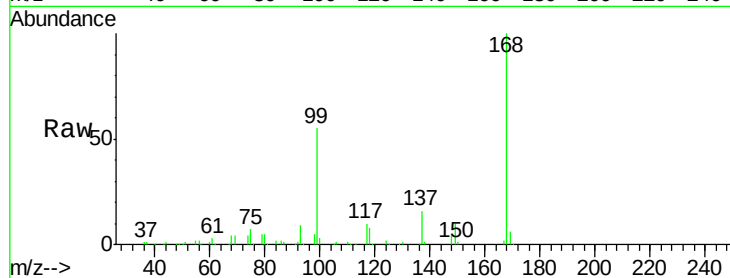
WP021MW348-180619

Tot Ion:168 Resp: 206561

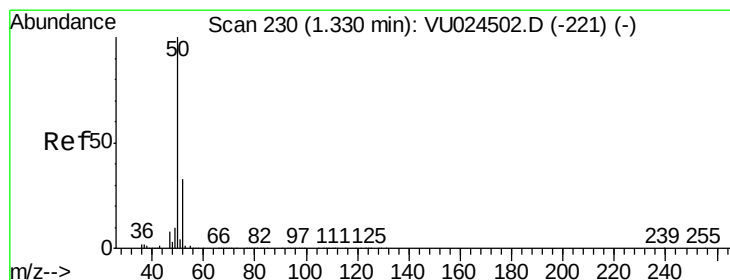
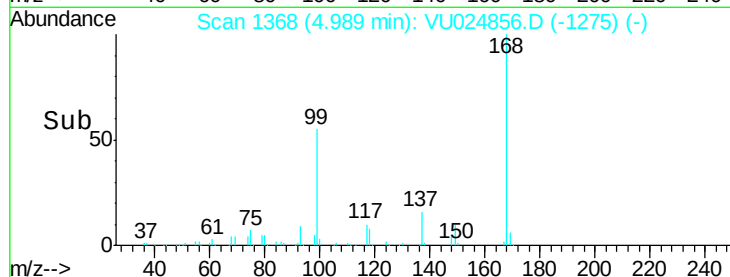
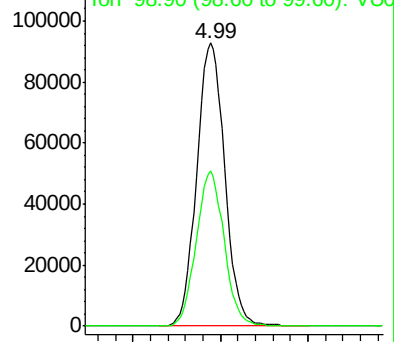
Ion Ratio Lower Upper

168 100

99 55.0 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024856.D (-1275) (-)



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024856.D

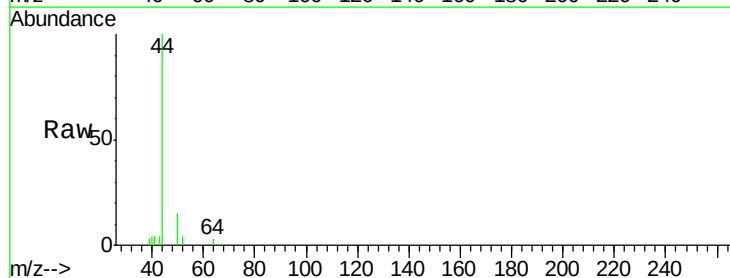
Acq: 23 Jun 2018 01:05

Tgt Ion: 50 Resp: 620

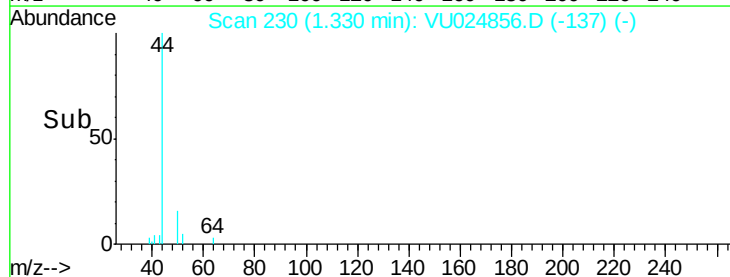
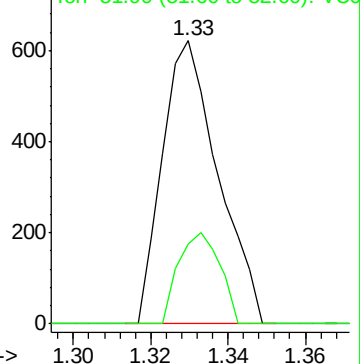
Ion Ratio Lower Upper

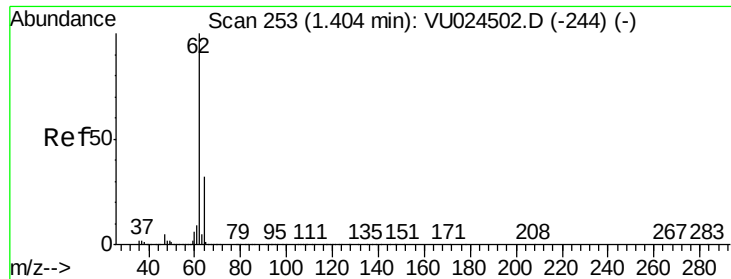
50 100

52 28.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024856.D (-137) (-)





#4

Vinyl Chloride

Concen: 0.65 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024856.D

Acq: 23 Jun 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

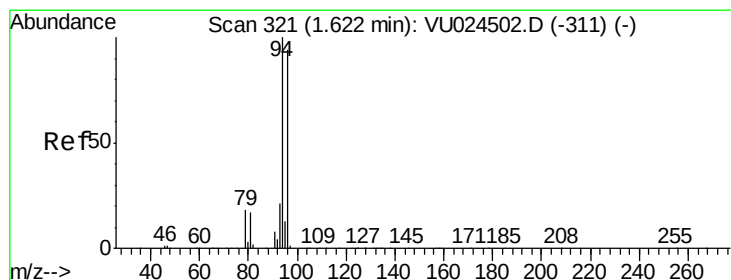
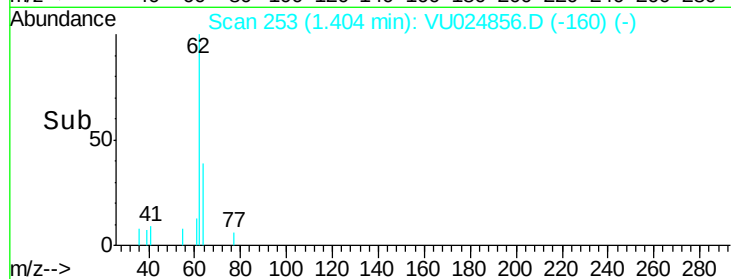
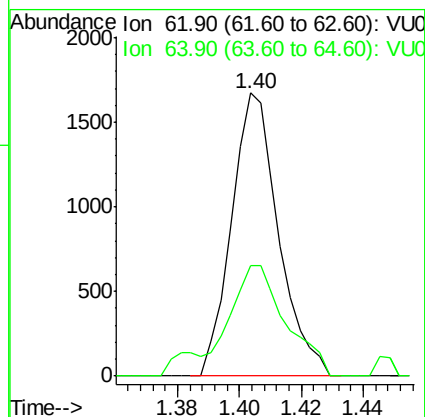
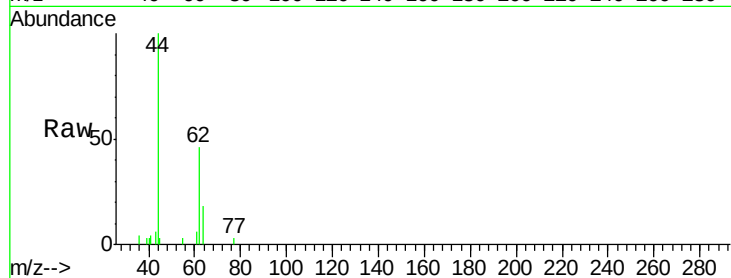
WP021MW348-180619

Tot Ion: 62 Resp: 1764

Ion Ratio Lower Upper

62 100

64 39.0 24.8 37.2#



#5

Bromomethane

Concen: 0.25 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024856.D

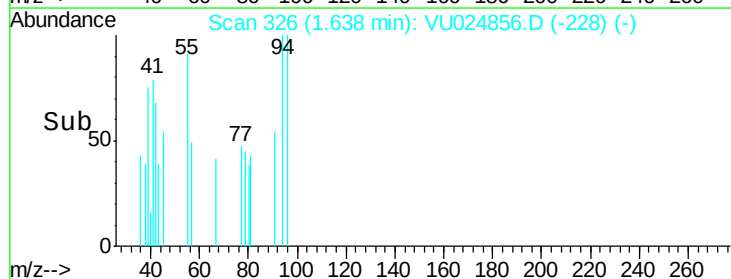
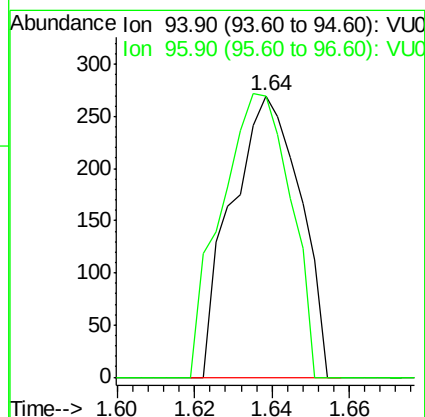
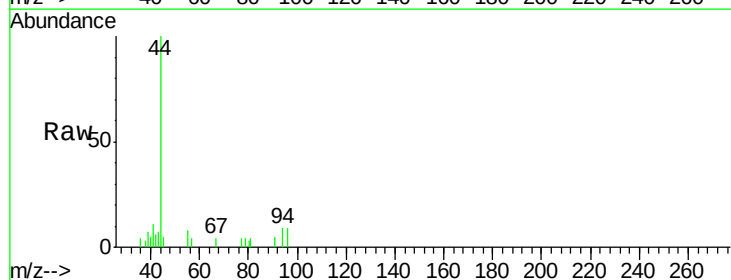
Acq: 23 Jun 2018 01:05

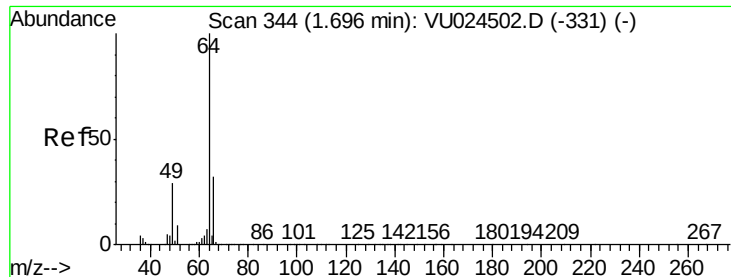
Tgt Ion: 94 Resp: 332

Ion Ratio Lower Upper

94 100

96 100.0 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 351

Delta R.T. 0.02 min

Lab File: VU024856.D

Acq: 23 Jun 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

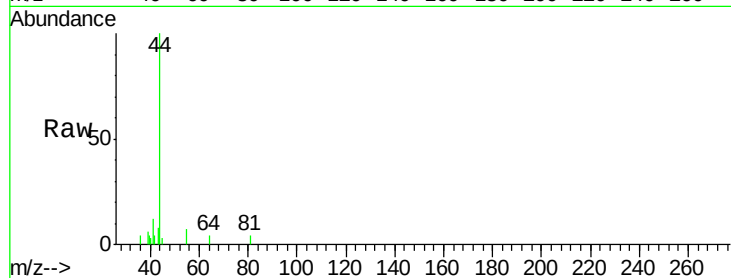
WP021MW348-180619

Tot Ion: 64 Resp: 42

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

1.72

120

100

80

60

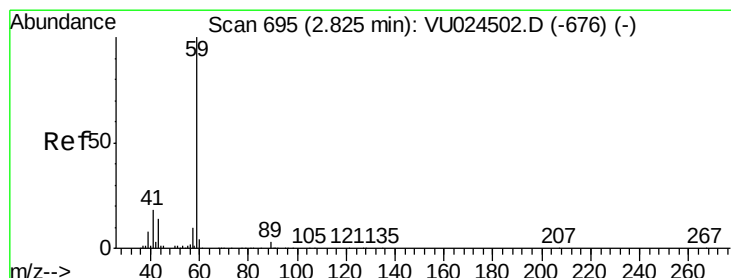
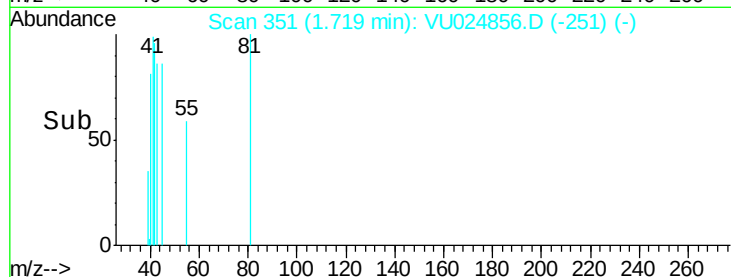
40

20

0

1.71 1.72 1.73

Time-->



#11

Tert butyl alcohol

Concen: 1.90 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU024856.D

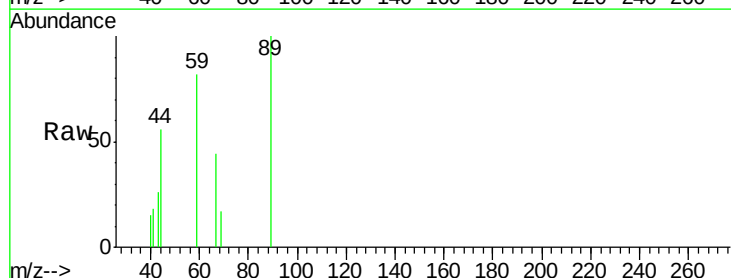
Acq: 23 Jun 2018 01:05

Tgt Ion: 59 Resp: 1560

Ion Ratio Lower Upper

59 100

57 1.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

800

600

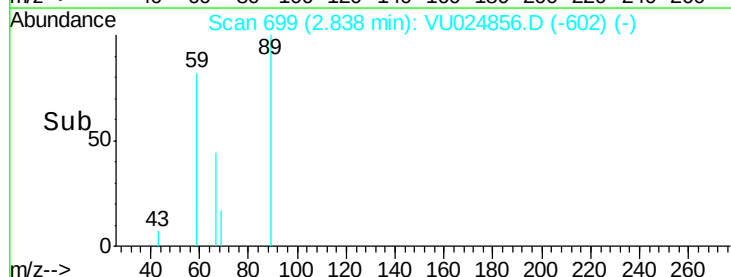
400

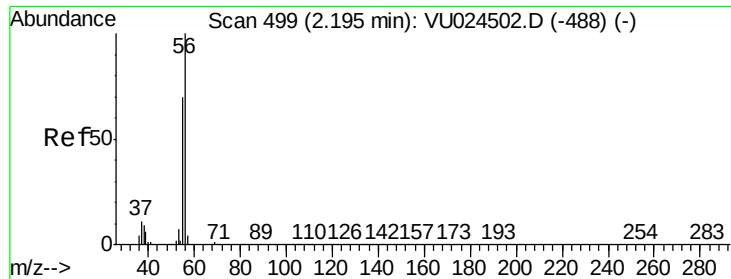
200

0

2.80 2.84 2.85

Time-->

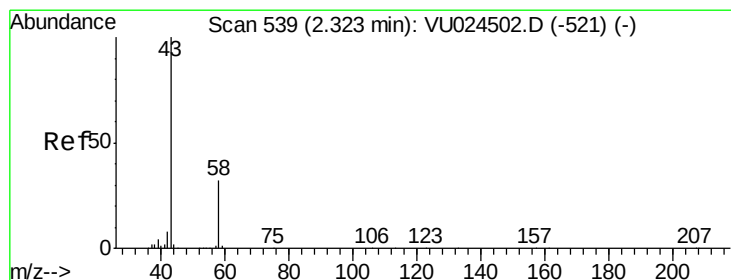
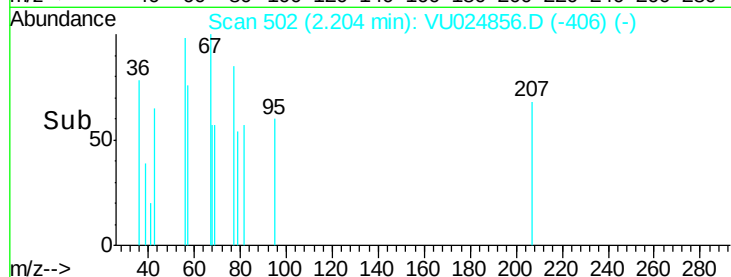
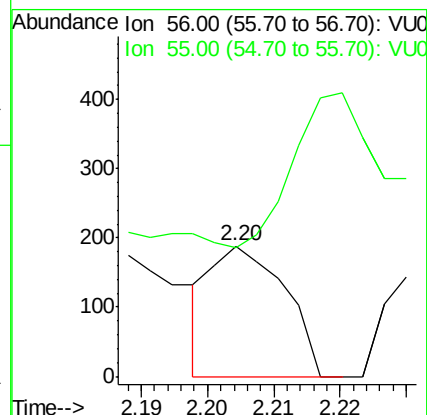
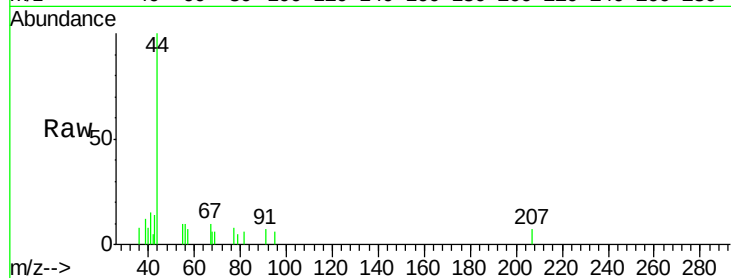




#13
Acrolein
Concen: 0.34 ug/l
RT: 2.20 min Scan# 502
Delta R.T. 0.01 min
Lab File: VU024856.D
Acq: 23 Jun 2018 01:05

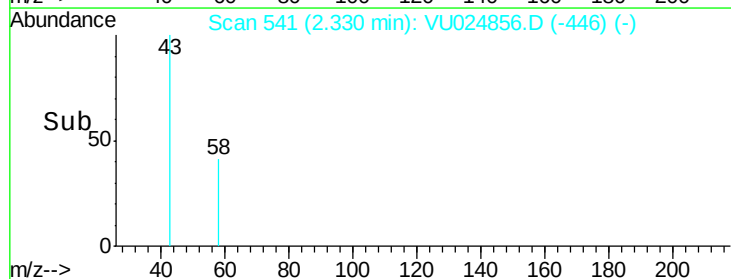
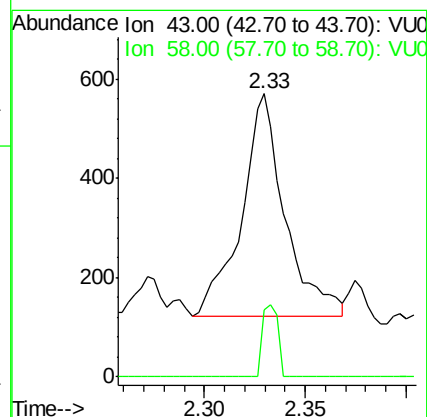
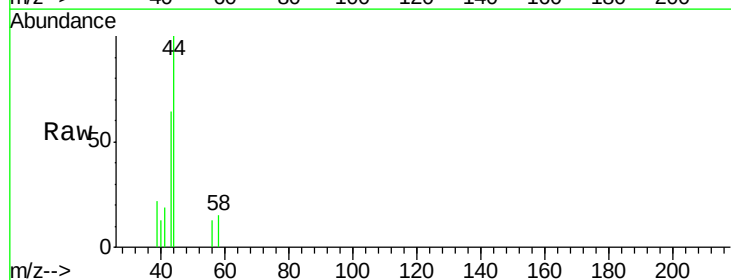
Instrument :
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ClientSampleId :
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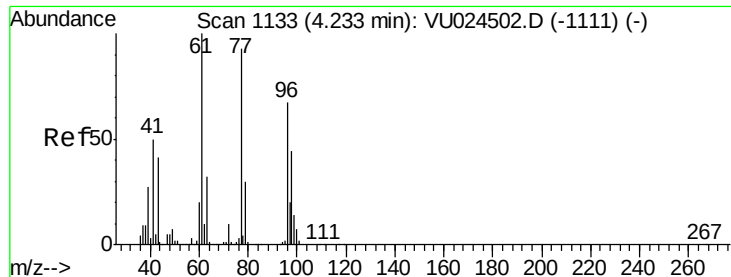
Tot Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#



#16
Acetone
Concen: 0.37 ug/l
RT: 2.33 min Scan# 541
Delta R.T. 0.01 min
Lab File: VU024856.D
Acq: 23 Jun 2018 01:05

Tgt Ion: 43 Resp: 675
Ion Ratio Lower Upper
43 100
58 30.4 24.4 36.6





#27

cis-1,2-Dichloroethene

Concen: 8.59 ua/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024856.D

Acq: 23 Jun 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

WP021MW348-180619

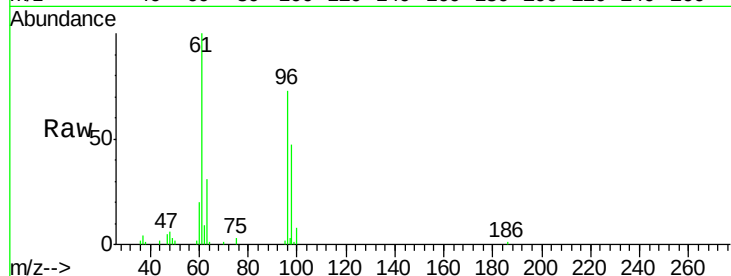
Tot Ion: 96 Resp: 25575

Ion Ratio Lower Upper

96 100

61 134.3 0.0 306.6

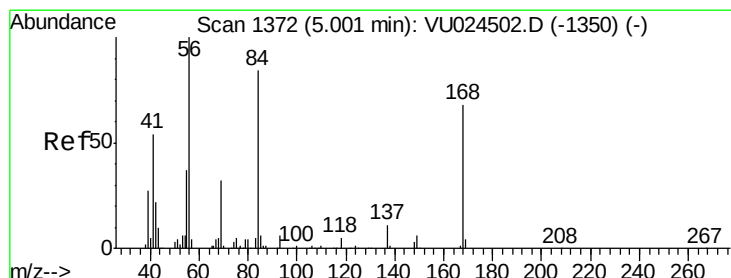
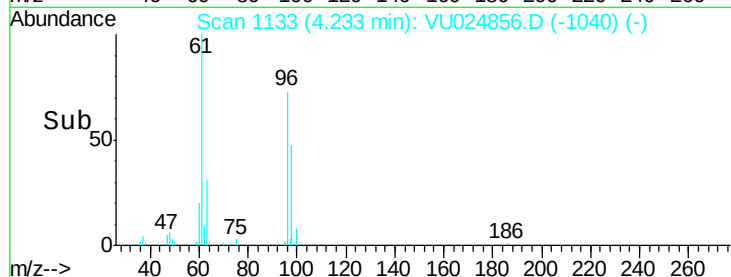
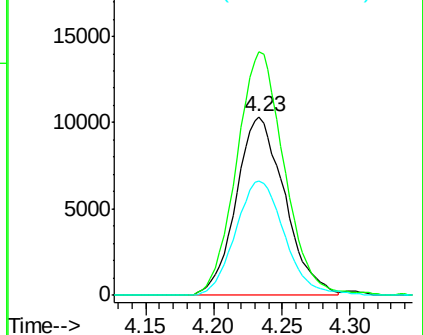
98 64.7 0.0 128.8



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: VU024856.D

Acq: 23 Jun 2018 01:05

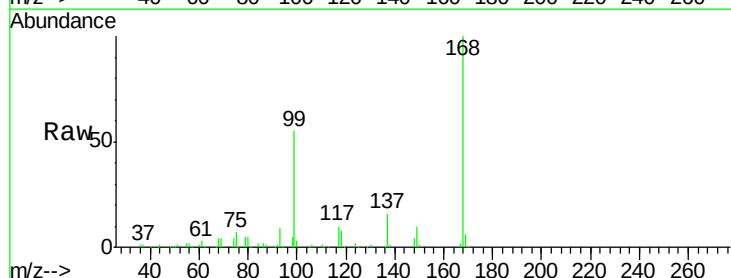
Tgt Ion: 56 Resp: 4433

Ion Ratio Lower Upper

56 100

69 159.6 24.8 37.2#

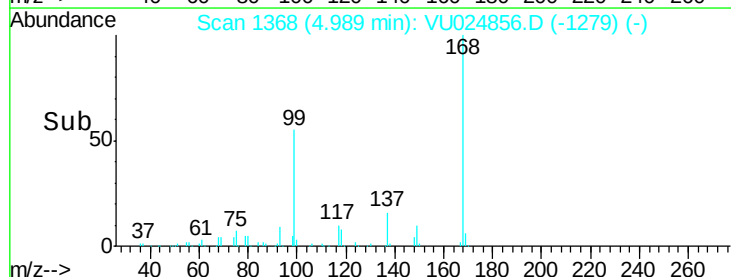
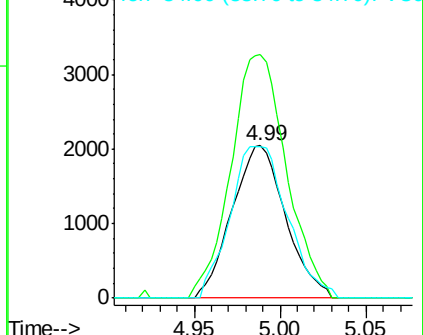
84 99.1 65.2 97.8#

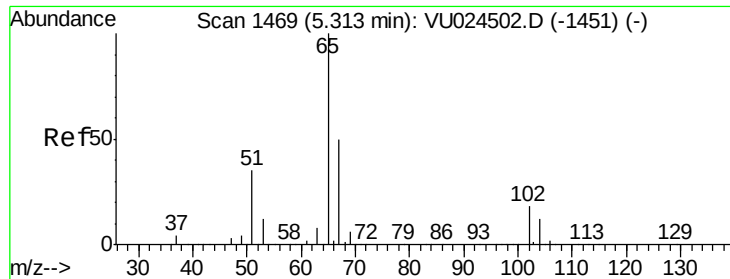


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

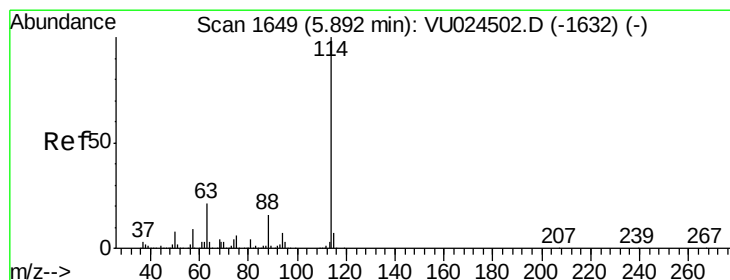
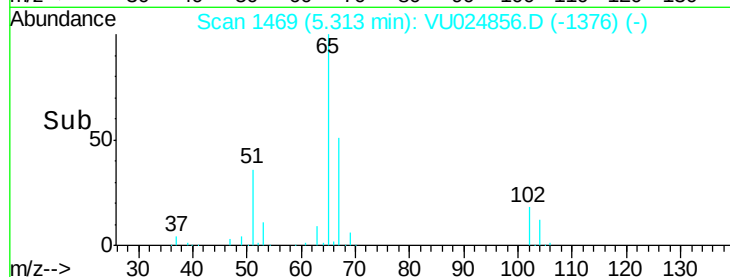
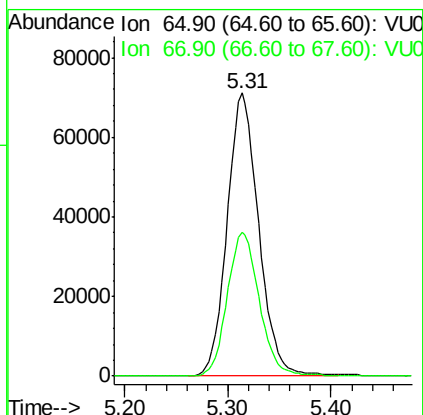
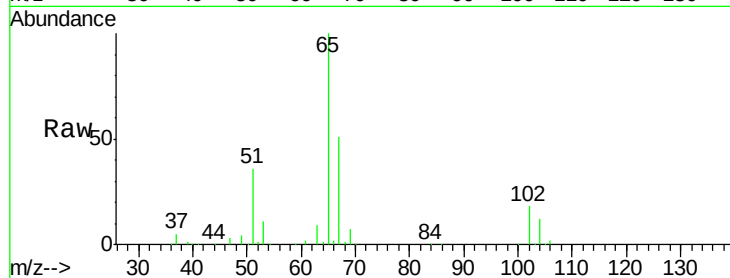




#33
 1,2-Dichloroethane-d4
 Concen: 44.95 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024856.D
 Acq: 23 Jun 2018 01:05

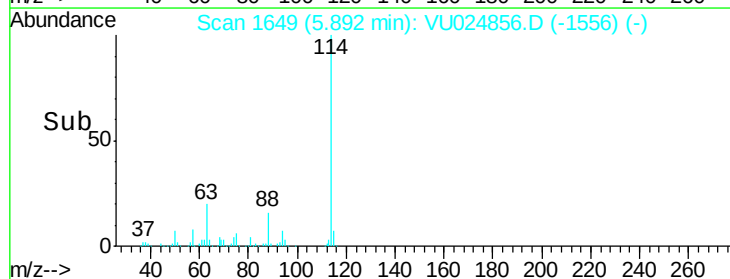
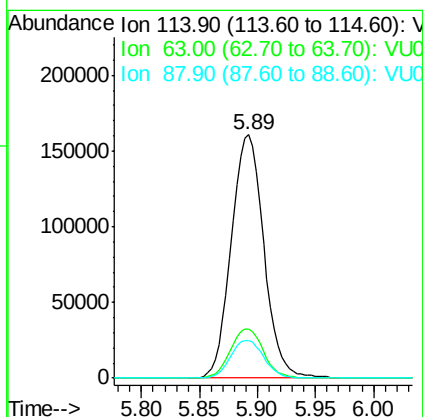
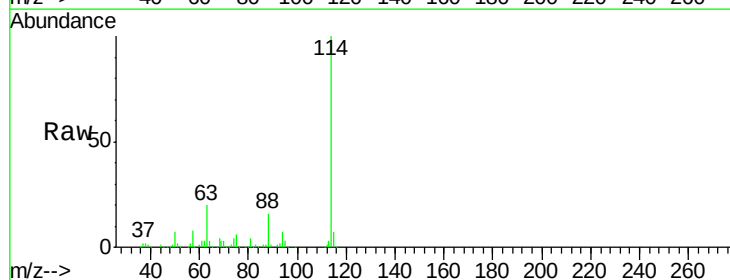
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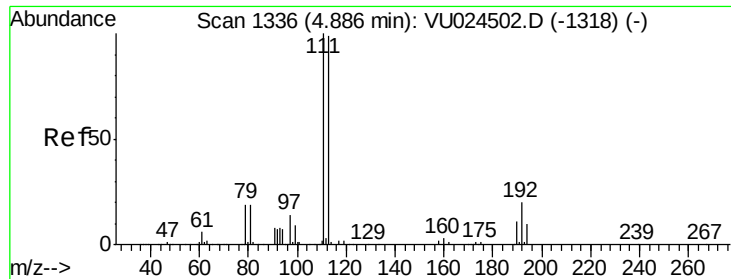
Tot Ion: 65 Resp: 151583
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024856.D
 Acq: 23 Jun 2018 01:05

Tgt Ion: 114 Resp: 312964
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 45.4
 88 15.5 0.0 31.0

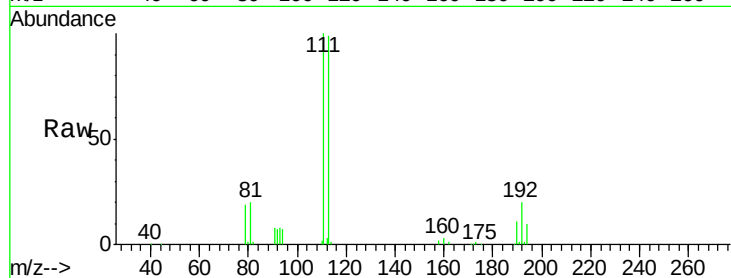




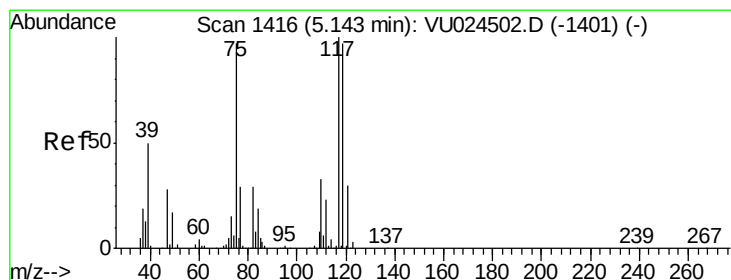
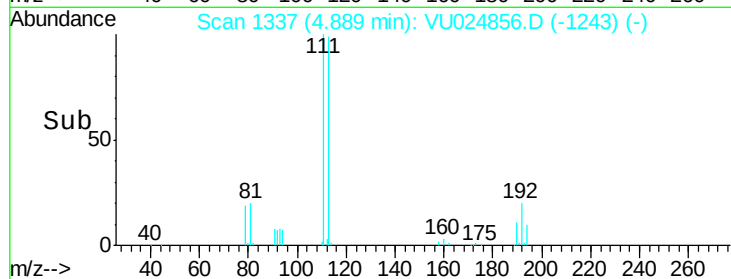
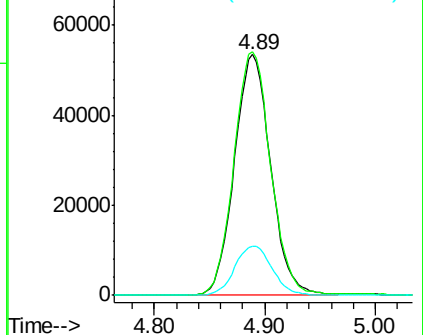
#35
 Dibromofluoromethane
 Concen: 46.98 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024856.D
 Acq: 23 Jun 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW348-180619

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	21.1	16.2	24.4

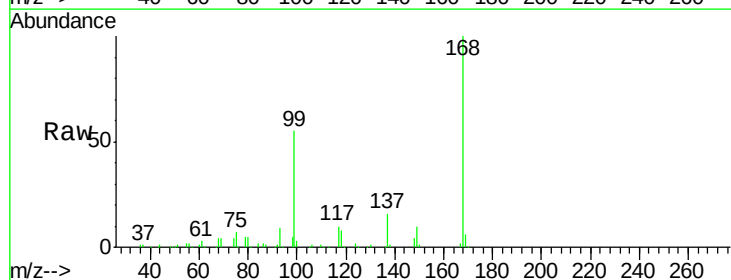


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

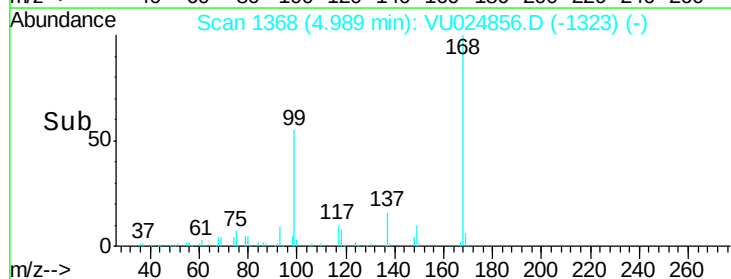
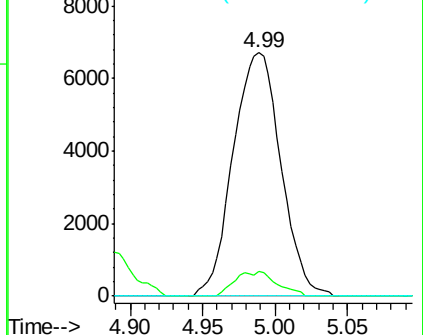


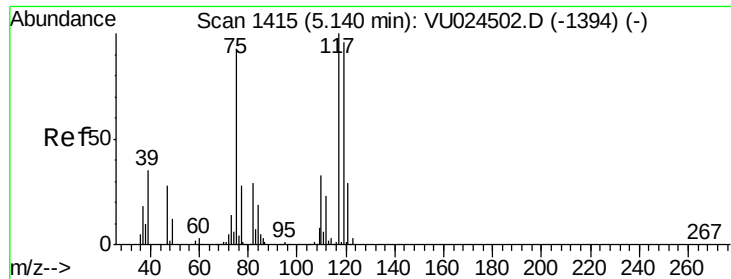
#36
 1,1-Dichloropropene
 Concen: 4.18 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024856.D
 Acq: 23 Jun 2018 01:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	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: 4.73 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024856.D

Acq: 23 Jun 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

WP021MW348-180619

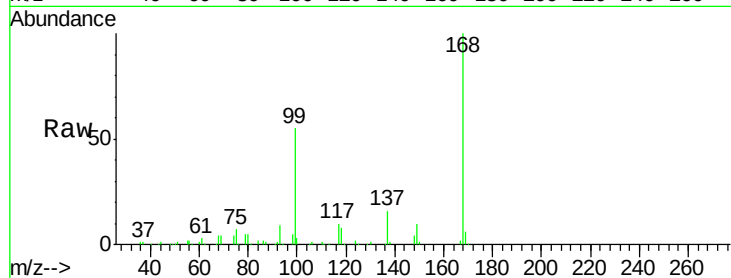
Tot Ion:117 Resp: 19125

Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

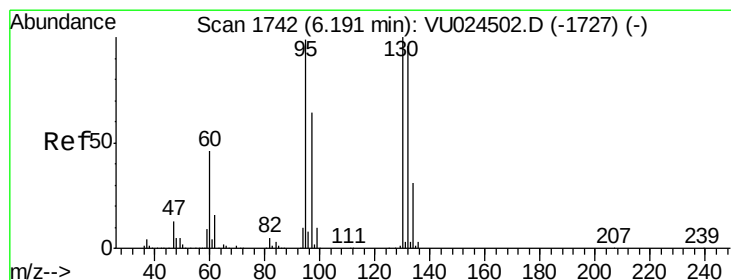
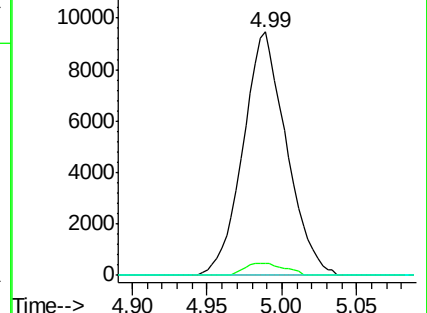
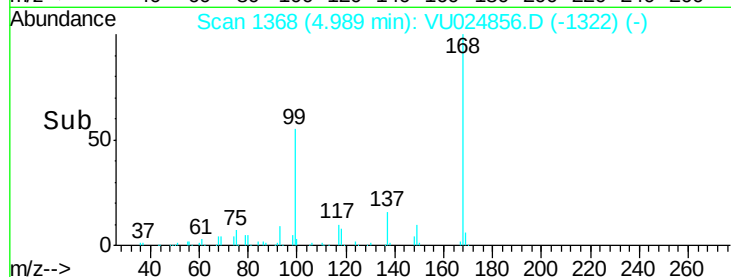
121 0.0 23.7 35.5#



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



#44

Trichloroethene

Concen: 0.81 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU024856.D

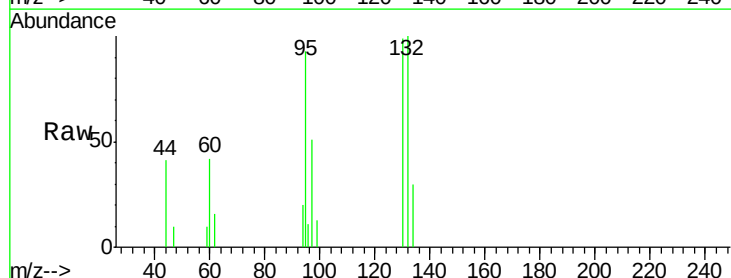
Acq: 23 Jun 2018 01:05

Tgt Ion:130 Resp: 2415

Ion Ratio Lower Upper

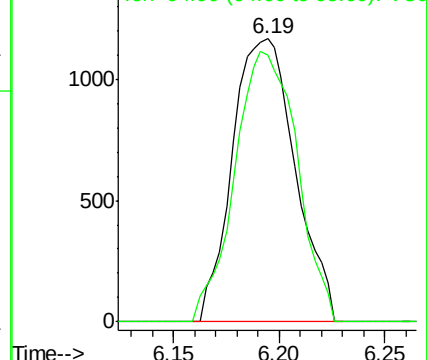
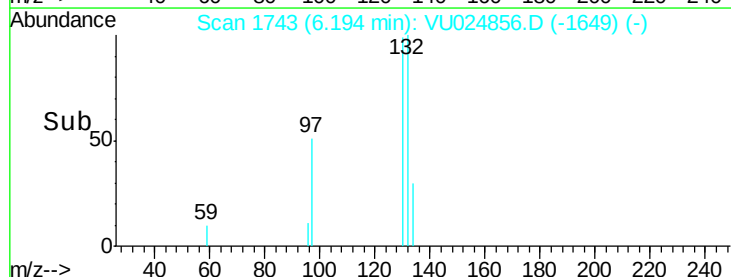
130 100

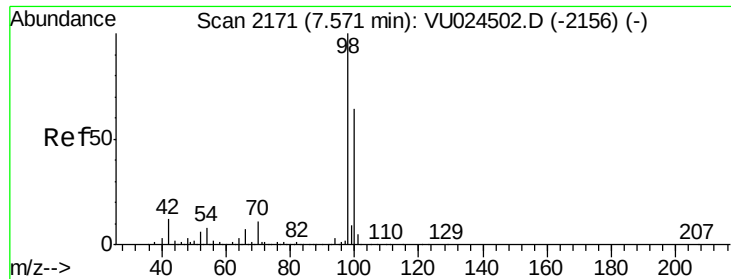
95 94.3 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 47.82 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024856.D

Acq: 23 Jun 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

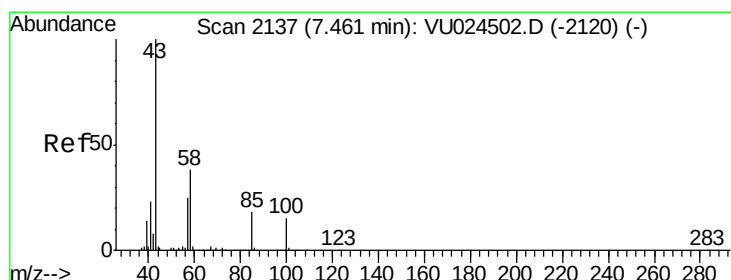
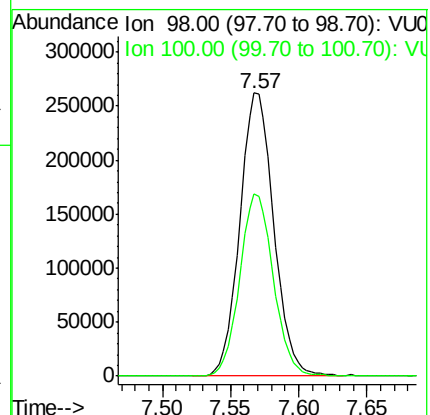
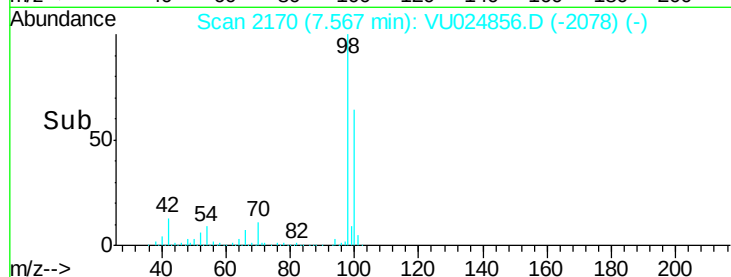
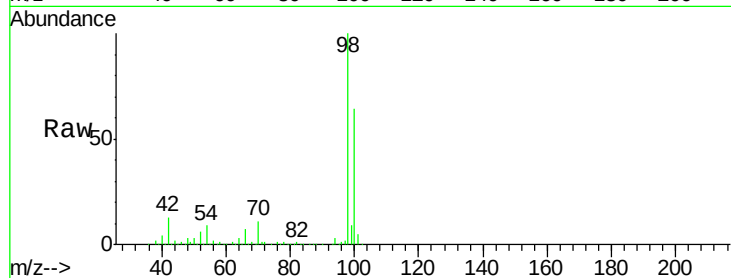
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Tot Ion: 98 Resp: 453034

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.50 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.11 min

Lab File: VU024856.D

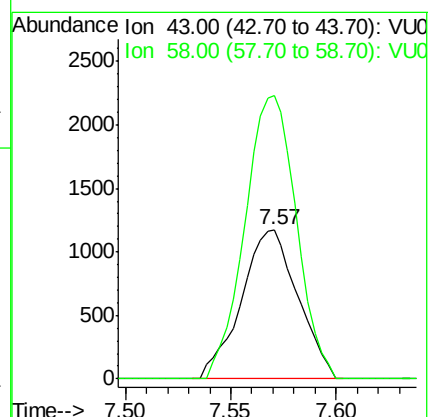
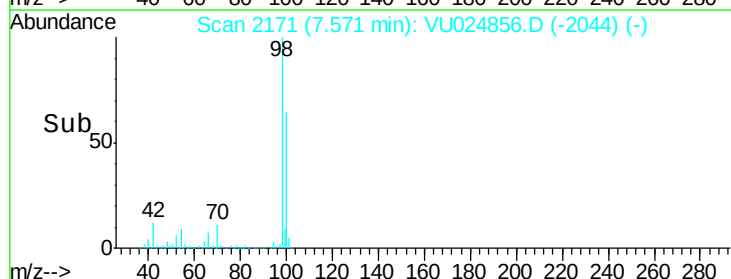
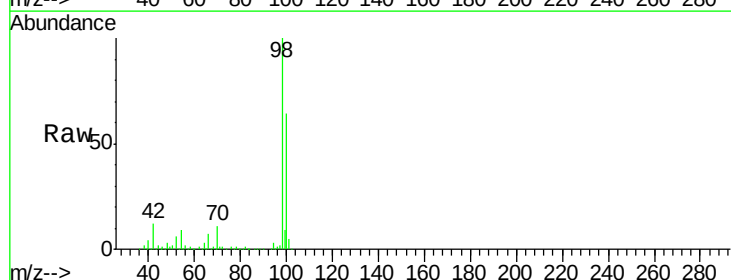
Acq: 23 Jun 2018 01:05

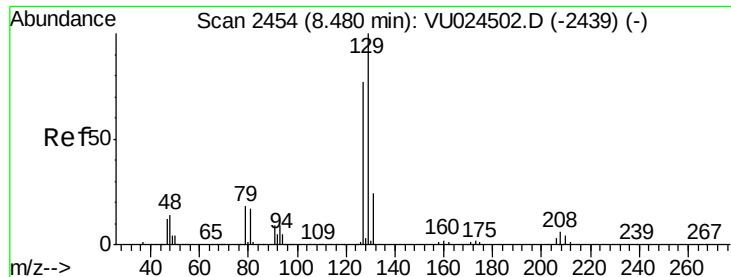
Tgt Ion: 43 Resp: 2187

Ion Ratio Lower Upper

43 100

58 172.5 30.0 45.0#

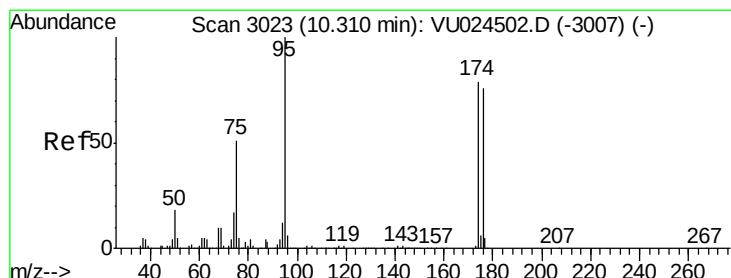
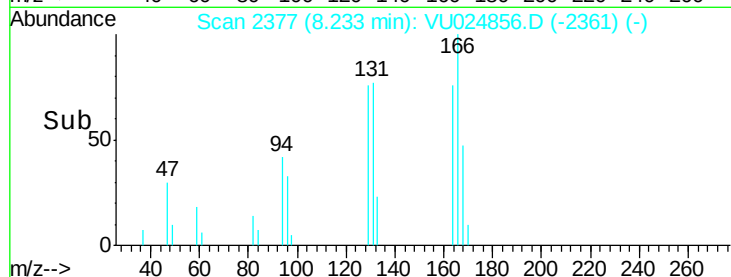
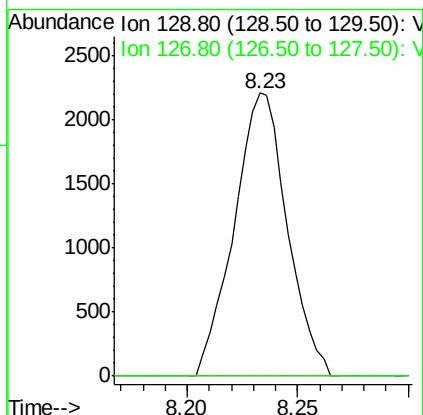
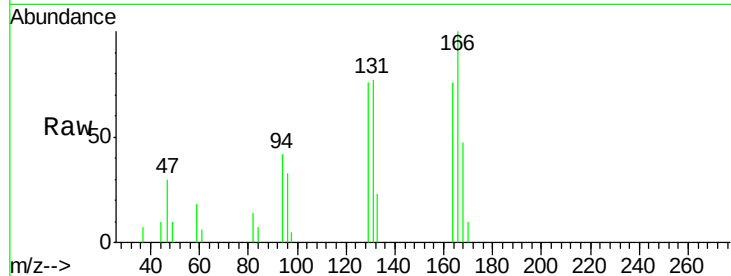




#60
Dibromochloromethane
Concen: 1.08 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. -0.25 min
Lab File: VU024856.D
Acq: 23 Jun 2018 01:05

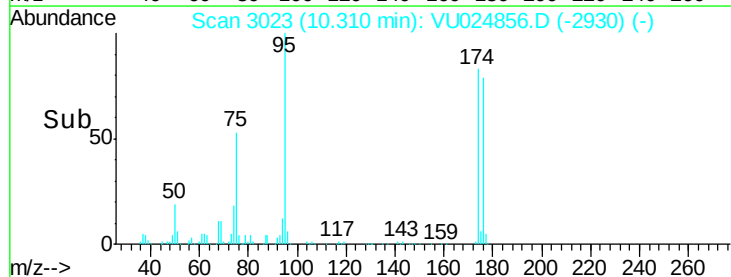
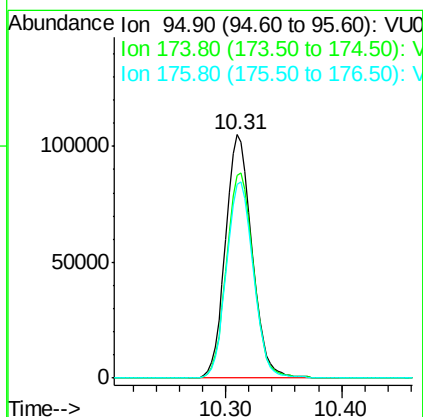
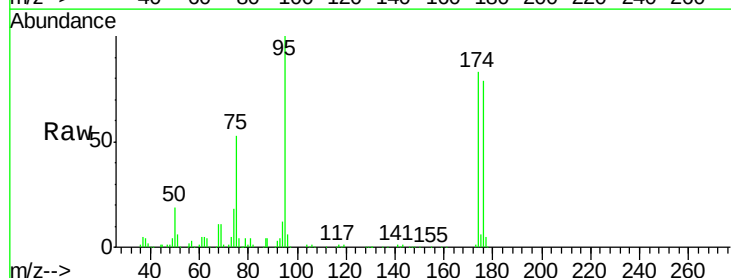
Instrument :
MSVOA_U
ClientSampleId :
WP021MW348-180619

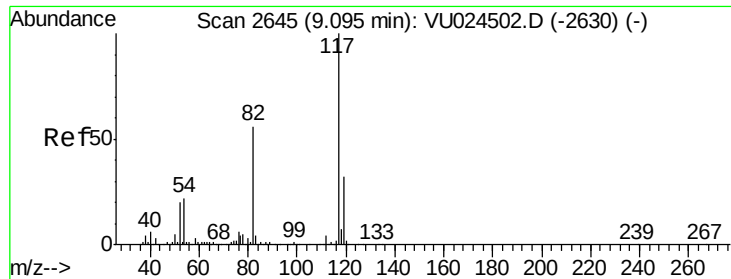
Tot Ion:129 Resp: 3691
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 44.07 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024856.D
Acq: 23 Jun 2018 01:05

Tgt Ion: 95 Resp: 165770
Ion Ratio Lower Upper
95 100
174 85.4 0.0 165.8
176 81.5 0.0 159.4

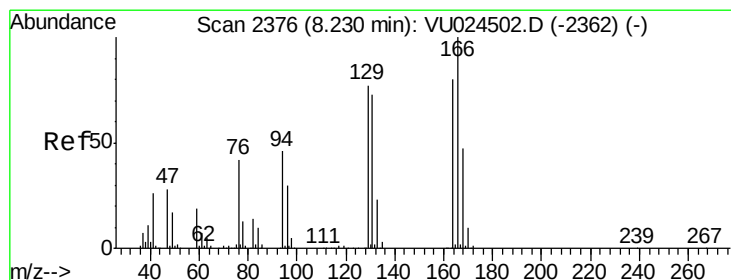
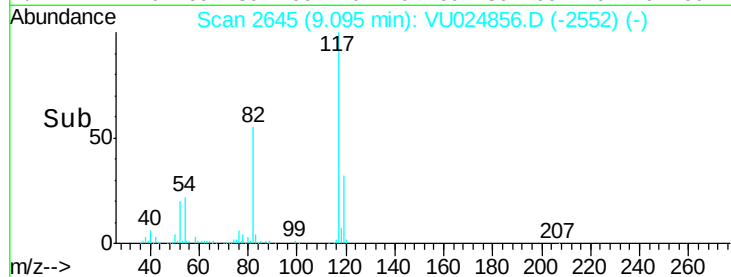
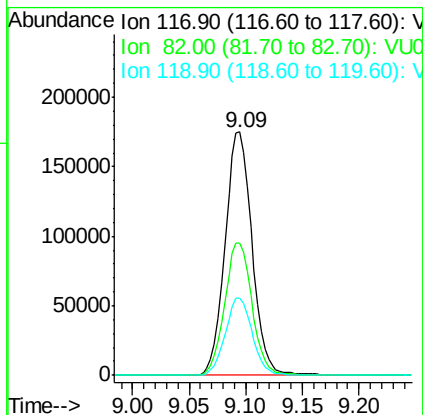
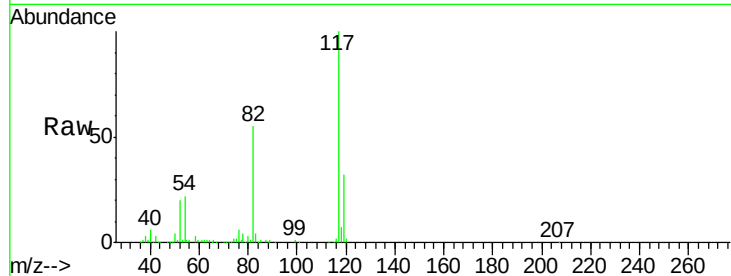




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024856.D
Acq: 23 Jun 2018 01:05

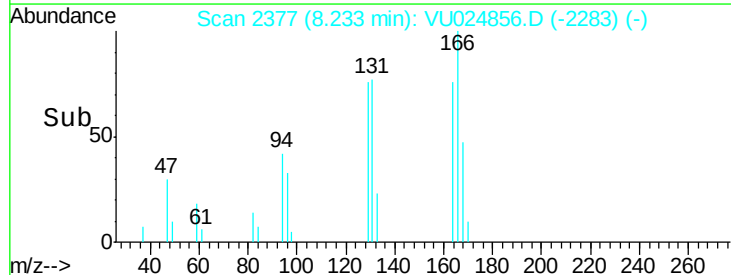
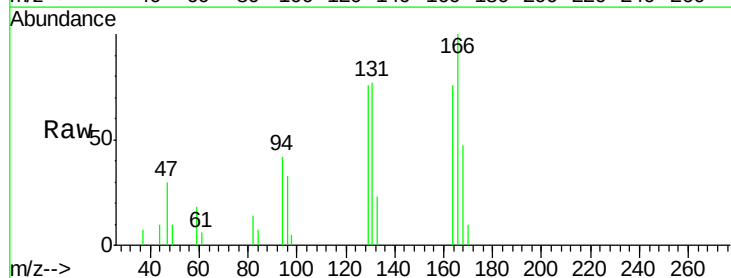
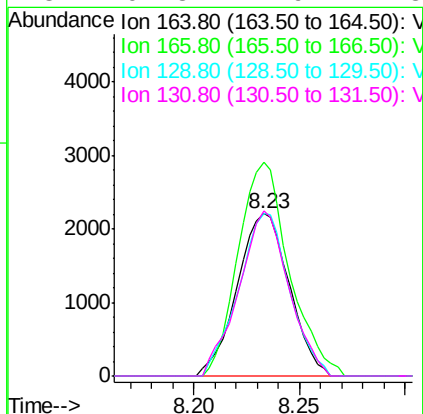
Instrument :
MSVOA_U
ClientSampleId :
WP021MW348-180619

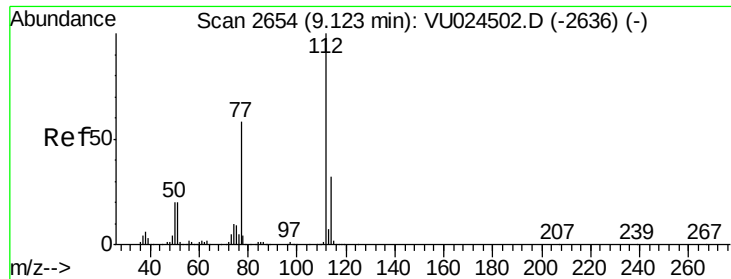
Tot Ion:117 Resp: 291125
Ion Ratio Lower Upper
117 100
82 54.6 44.3 66.5
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 1.36 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024856.D
Acq: 23 Jun 2018 01:05

Tgt Ion:164 Resp: 3774
Ion Ratio Lower Upper
164 100
166 131.8 101.7 152.5
129 100.5 76.9 115.3
131 101.8 74.9 112.3

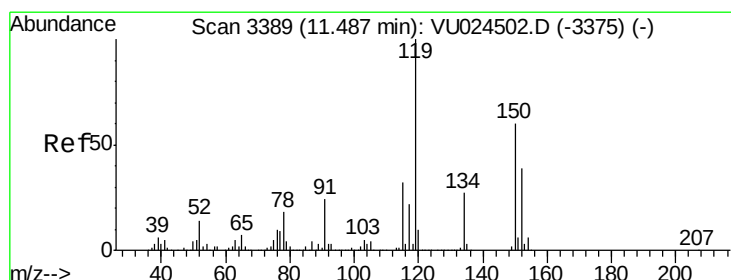
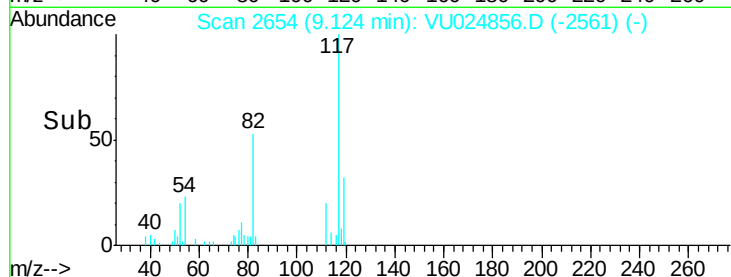
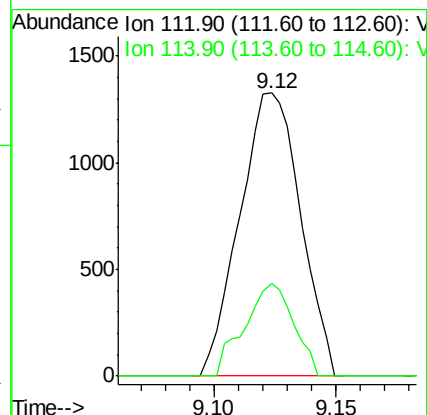
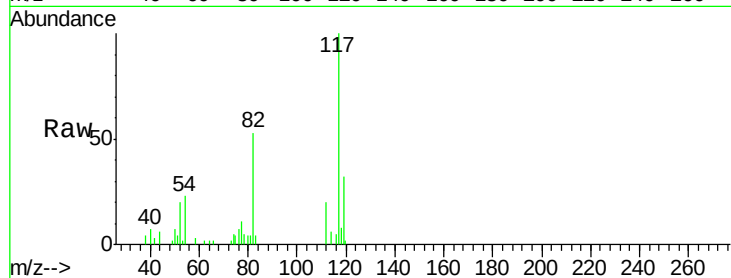




#65
Chlorobenzene
Concen: 0.31 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024856.D
Acq: 23 Jun 2018 01:05

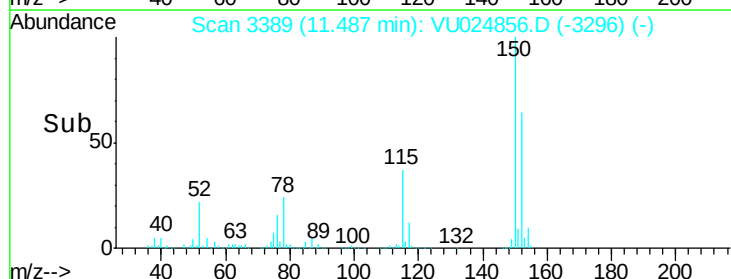
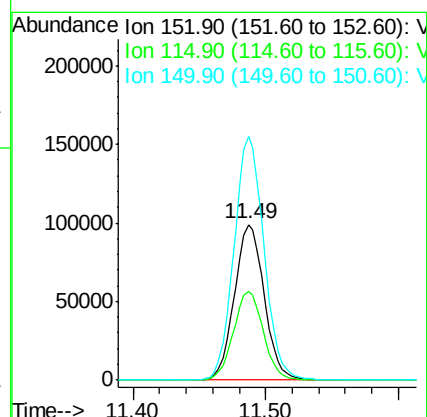
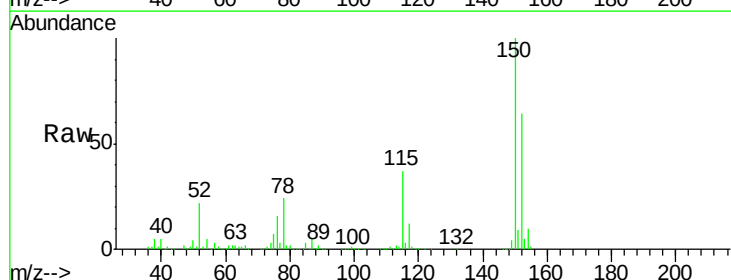
Instrument :
MSVOA_U
ClientSampleId :
WP021MW348-180619

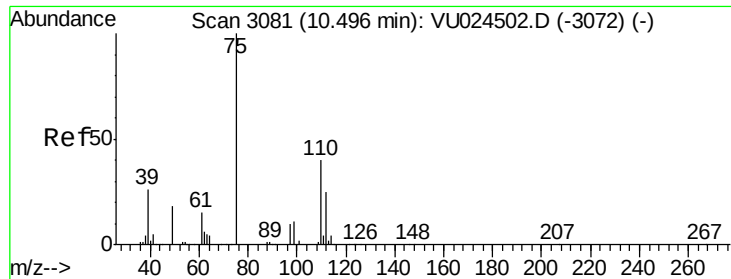
Tot Ion:112 Resp: 2292
Ion Ratio Lower Upper
112 100
114 32.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024856.D
Acq: 23 Jun 2018 01:05

Tgt Ion:152 Resp: 154367
Ion Ratio Lower Upper
152 100
115 57.2 43.0 129.0
150 157.5 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 25.77 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024856.D

Acq: 23 Jun 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

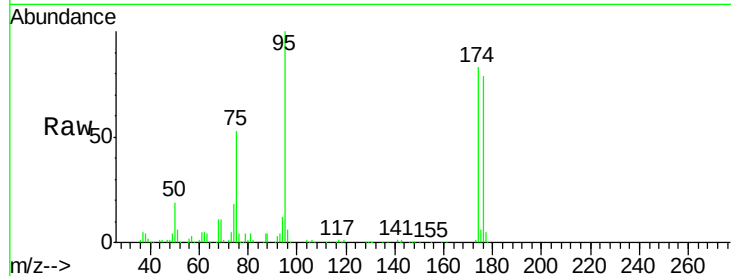
WP021MW348-180619

Tot Ion: 75 Resp: 87591

Ion Ratio Lower Upper

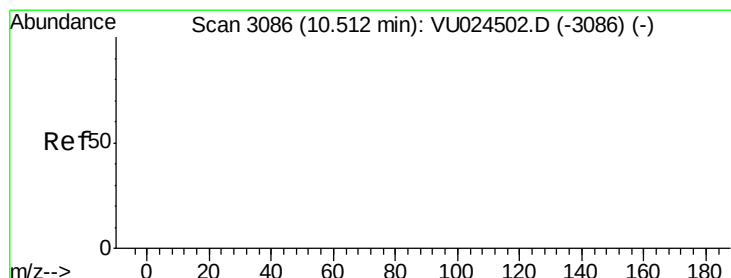
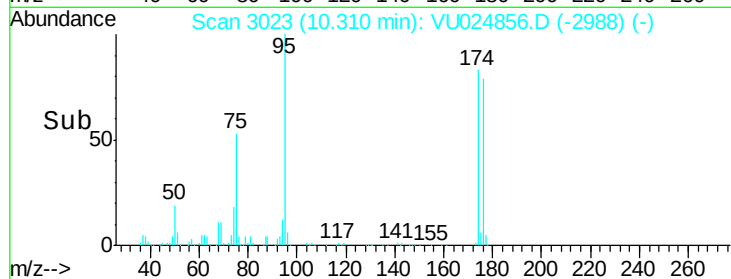
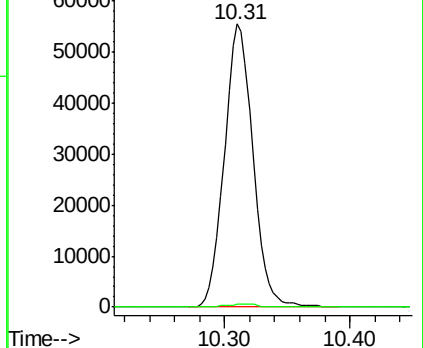
75 100

77 1.1 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: 59.65 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024856.D

Acq: 23 Jun 2018 01:05

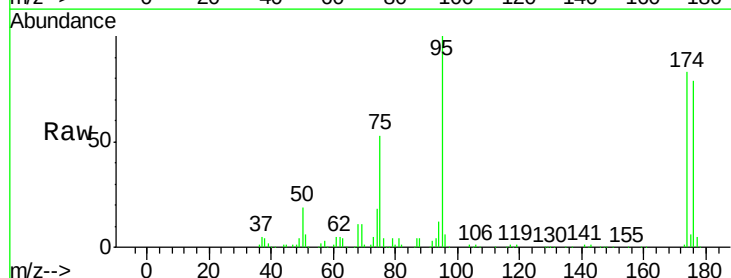
Tgt Ion: 75 Resp: 87591

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

