

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024718.D
 Acq On : 19 Jun 2018 03:07
 Operator : MD/SY
 Sample : J3535-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 KY070MW236-180613

Quant Time: Jun 19 05:20:31 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	190226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	300032	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150566	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	133282	42.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.84%	
35) Dibromofluoromethane	4.89	113	117426	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	
50) Toluene-d8	7.57	98	436581	48.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	10.31	95	155638	43.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.32%	

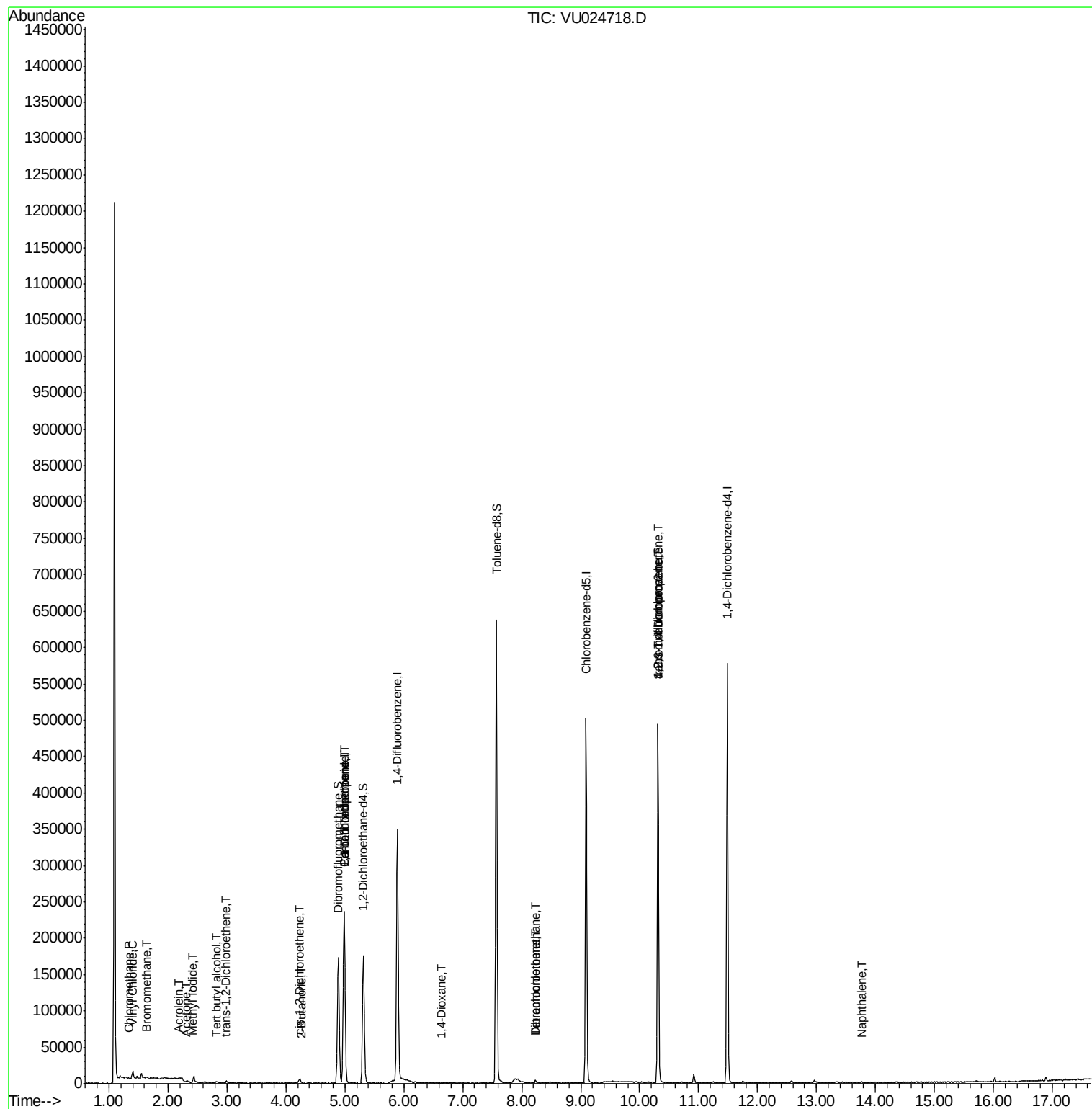
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	707	0.291	ug/l #	79
4) Vinyl Chloride	1.40	62	5646	2.251	ug/l	97
5) Bromomethane	1.64	94	612	0.505	ug/l	84
6) Chloroethane	1.70	64	376	Below Cal	#	1
10) Methyl Iodide	2.41	142	132	5.347	ug/l #	40
11) Tert butyl alcohol	2.82	59	814	1.078	ug/l #	71
13) Acrolein	2.18	56	247	0.623	ug/l #	58
16) Acetone	2.32	43	1686	1.010	ug/l #	88
21) trans-1,2-Dichloroethene	2.98	96	1137	0.477	ug/l #	77
25) 2-Butanone	4.27	43	594	0.265	ug/l #	51
27) cis-1,2-Dichloroethene	4.23	96	3330	1.214	ug/l	89
31) Cyclohexane	4.99	56	3844	Below Cal	#	4
36) 1,1-Dichloropropene	4.99	75	13329	3.781	ug/l #	50
38) Carbon Tetrachloride	4.99	117	17725	4.572	ug/l #	16
49) 1,4-Dioxane	6.63	88	20	0.316	ug/l #	1
60) Dibromochloromethane	8.24	129	875	0.267	ug/l #	11
64) Tetrachloroethene	8.23	164	795	0.301	ug/l	91
76) 1,2,3-Trichloropropane	10.31	75	77783	23.465	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	77783	54.307	ug/l #	100
95) Naphthalene	13.76	128	215	0.698	ug/l #	69

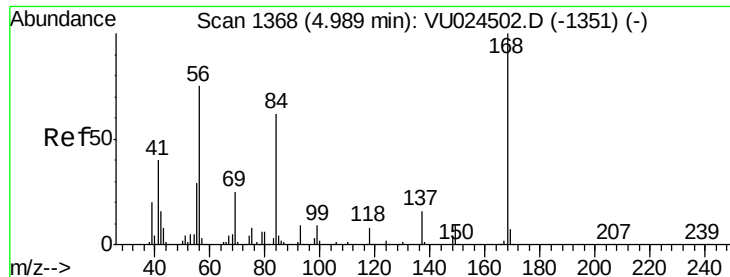
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

Instrument :

MSVOA_U

ClientSampleId :

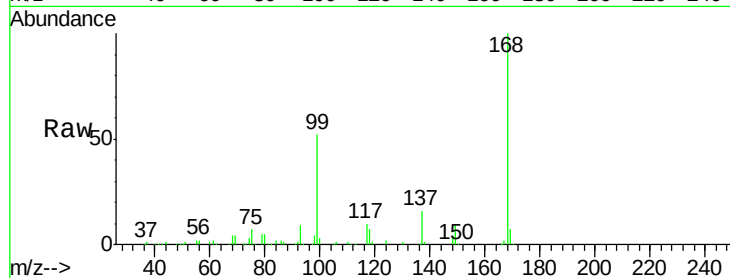
KY070MW236-180613

Tgt Ion:168 Resp: 190226

Ion Ratio Lower Upper

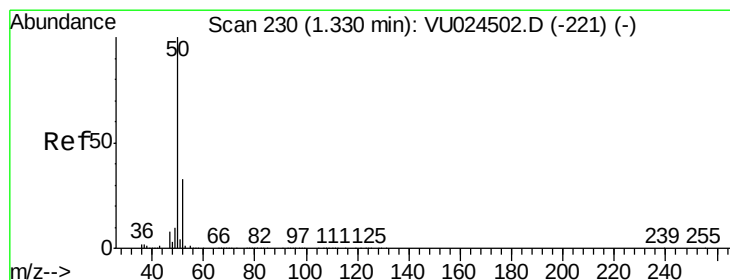
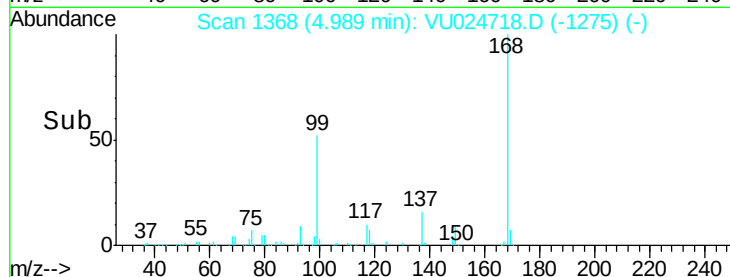
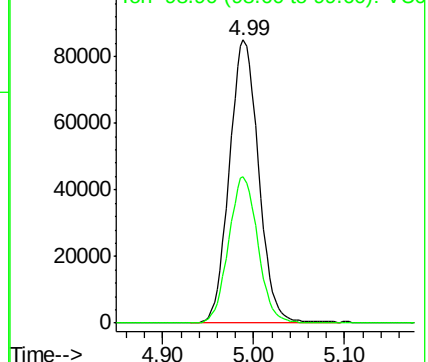
168 100

99 51.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024718.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024718.D (-1275) (-)



#3

Chloromethane

Concen: 0.291 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU024718.D

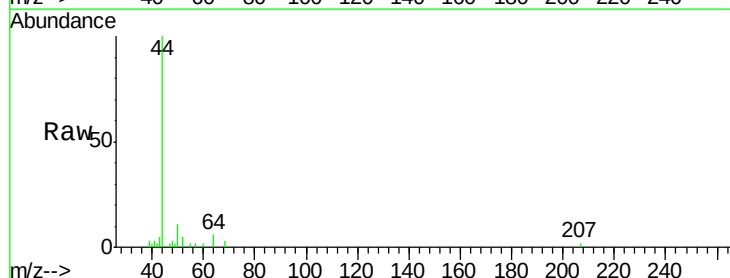
Acq: 19 Jun 2018 03:07

Tgt Ion: 50 Resp: 707

Ion Ratio Lower Upper

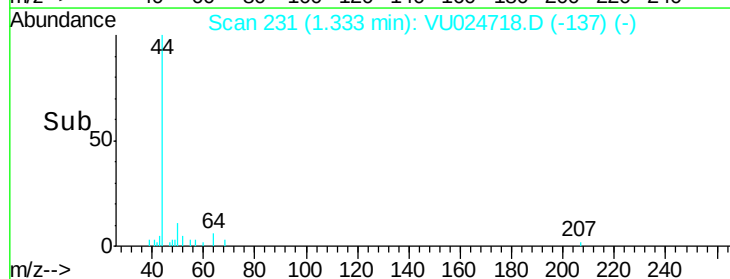
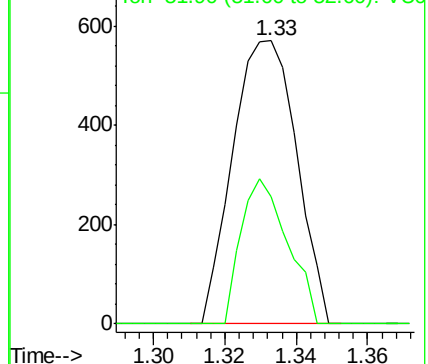
50 100

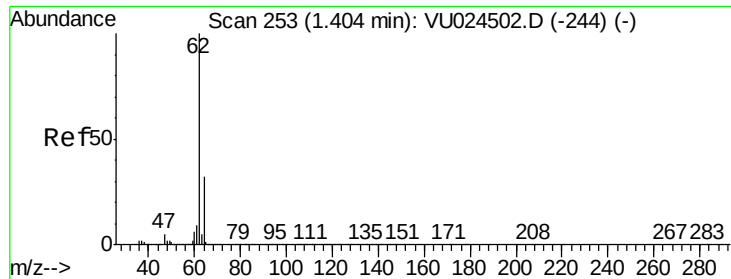
52 44.8 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024718.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024718.D (-137) (-)





#4

Vinyl Chloride

Concen: 2.251 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

Instrument :

MSVOA_U

ClientSampleId :

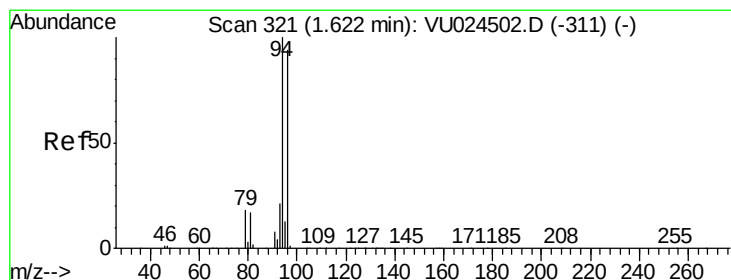
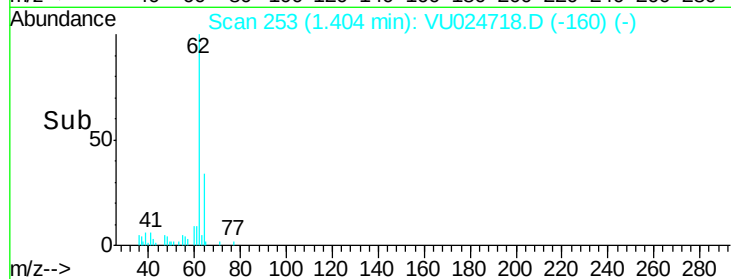
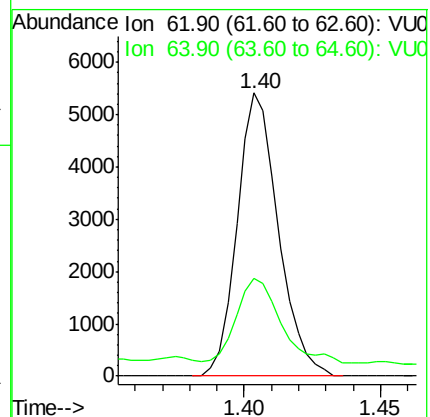
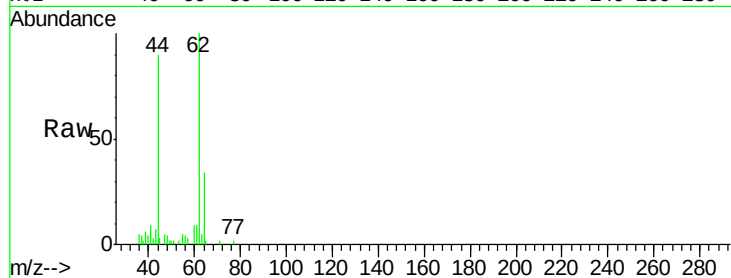
KY070MW236-180613

Tgt Ion: 62 Resp: 5646

Ion Ratio Lower Upper

62 100

64 29.5 24.8 37.2



#5

Bromomethane

Concen: 0.505 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024718.D

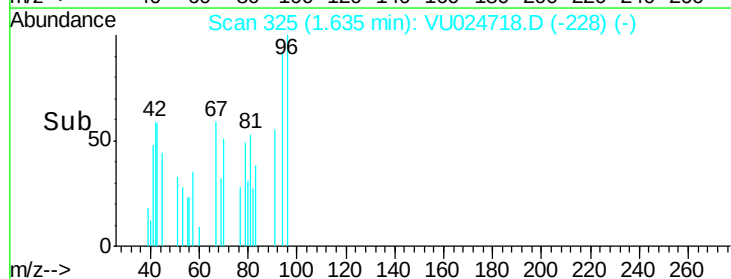
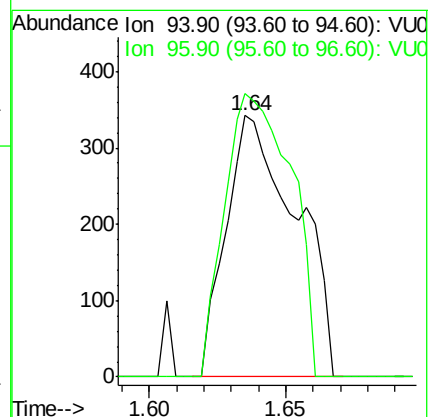
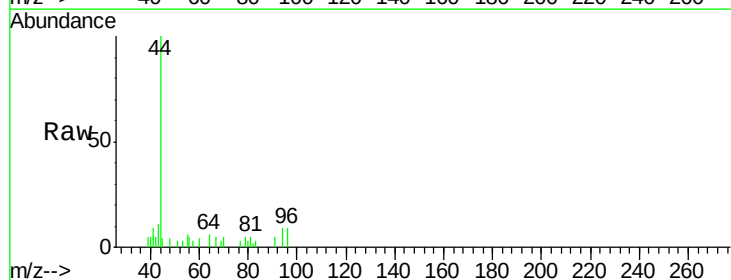
Acq: 19 Jun 2018 03:07

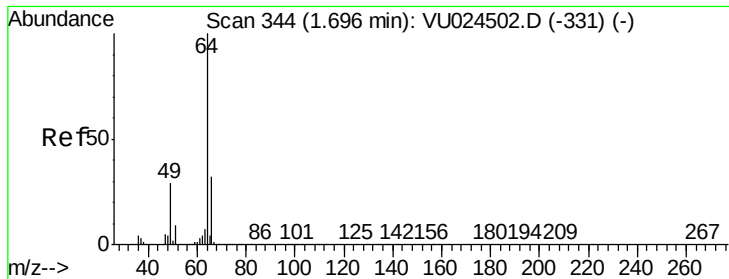
Tgt Ion: 94 Resp: 612

Ion Ratio Lower Upper

94 100

96 108.5 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

Instrument :

MSVOA_U

ClientSampleId :

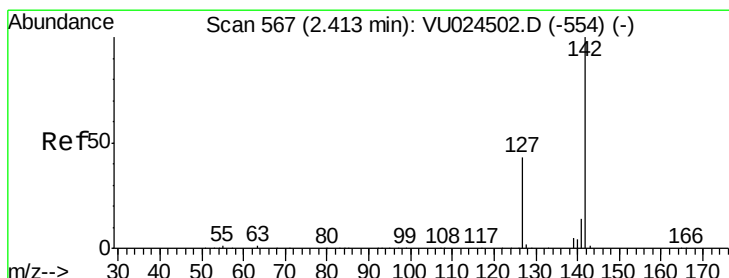
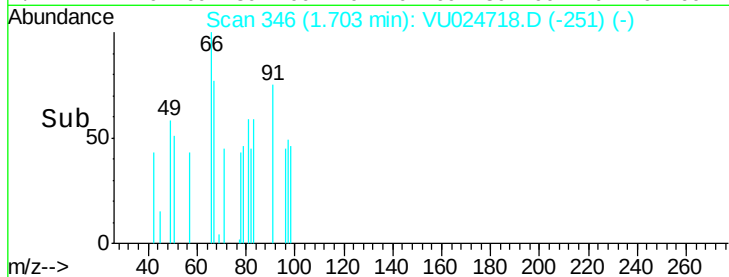
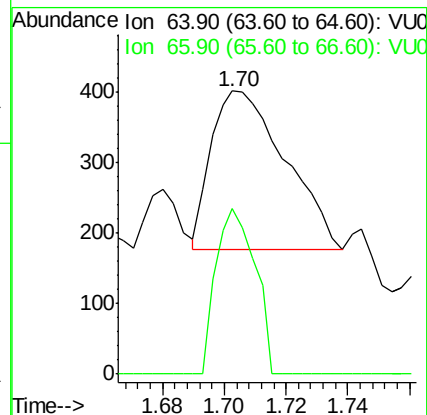
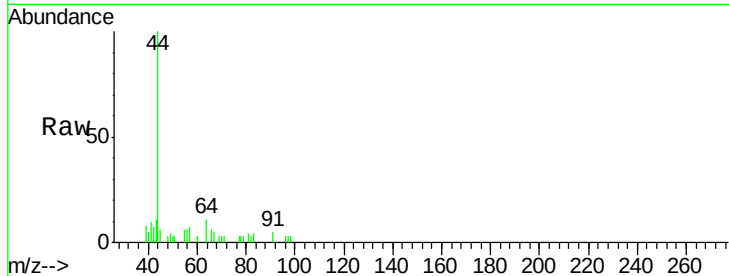
KY070MW236-180613

Tgt Ion: 64 Resp: 376

Ion Ratio Lower Upper

64 100

66 104.4 25.5 38.3#



#10

Methyl Iodide

Concen: 5.347 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

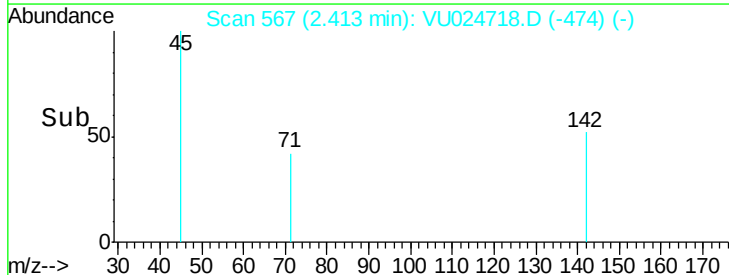
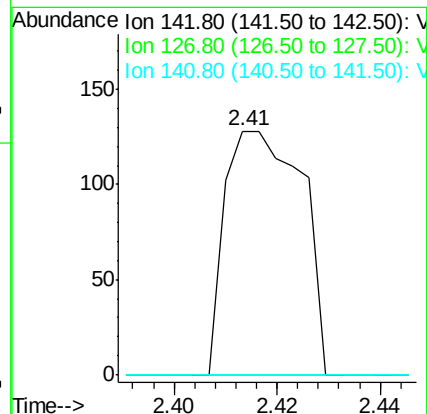
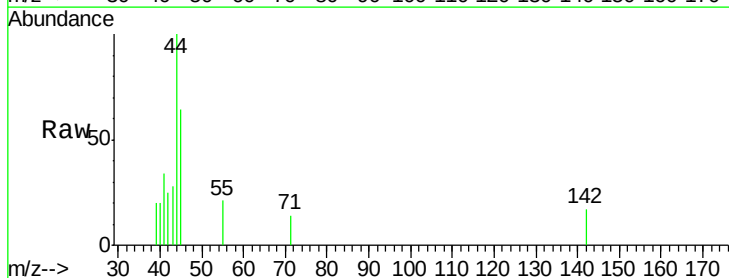
Tgt Ion: 142 Resp: 132

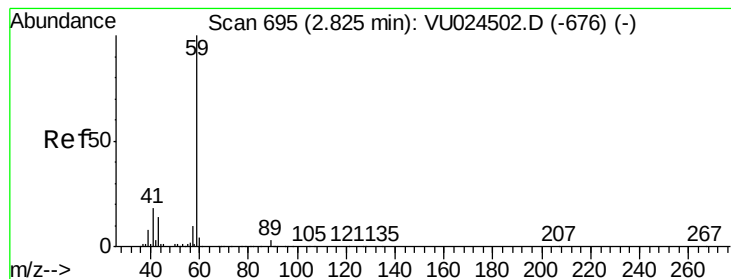
Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 1.078 ug/l

RT: 2.82 min Scan# 692

Delta R.T. -0.01 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

Instrument :

MSVOA_U

ClientSampleId :

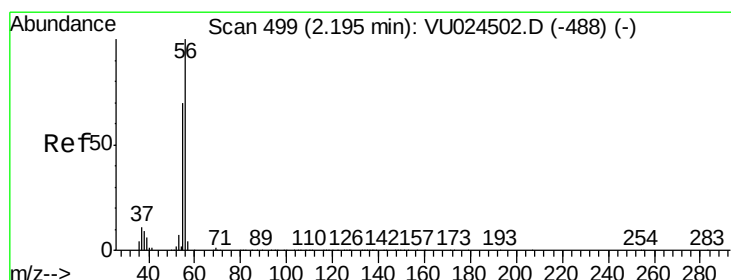
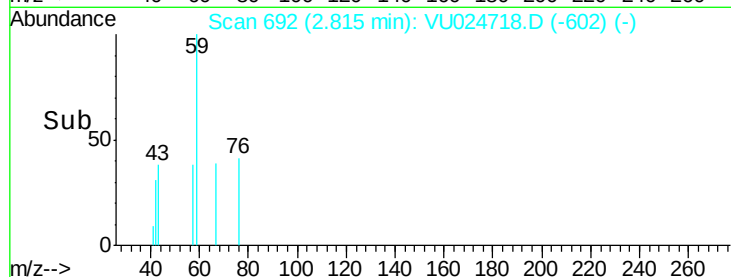
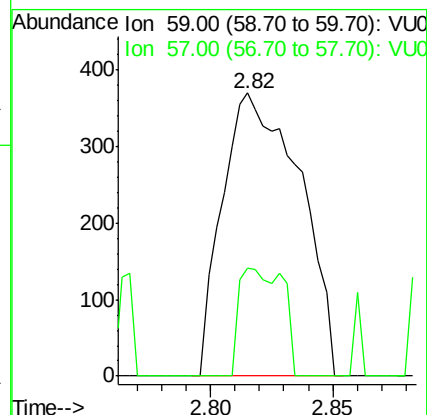
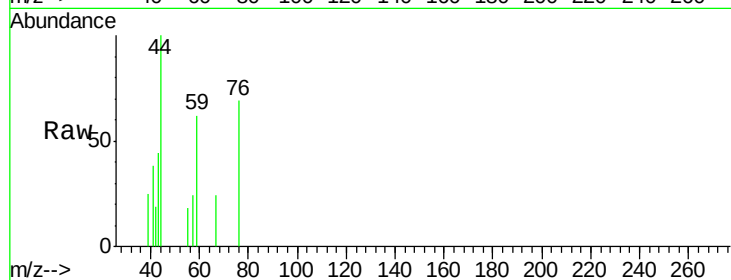
KY070MW236-180613

Tgt Ion: 59 Resp: 814

Ion Ratio Lower Upper

59 100

57 21.6 8.5 12.7#



#13

Acrolein

Concen: 0.623 ug/l

RT: 2.18 min Scan# 495

Delta R.T. -0.01 min

Lab File: VU024718.D

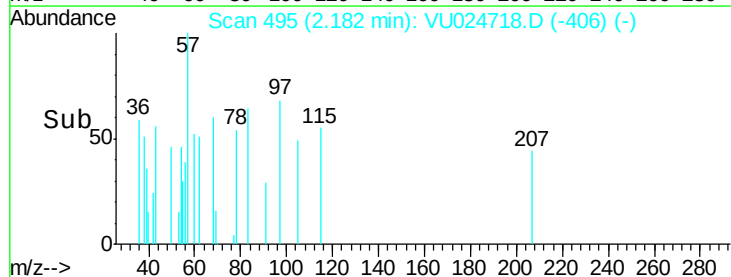
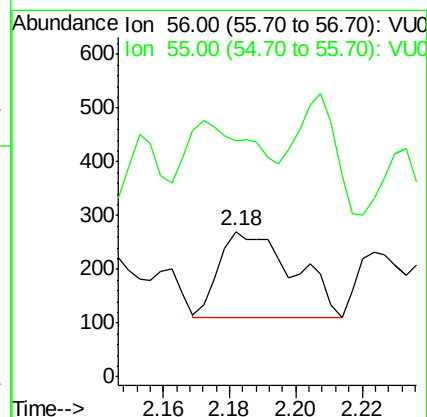
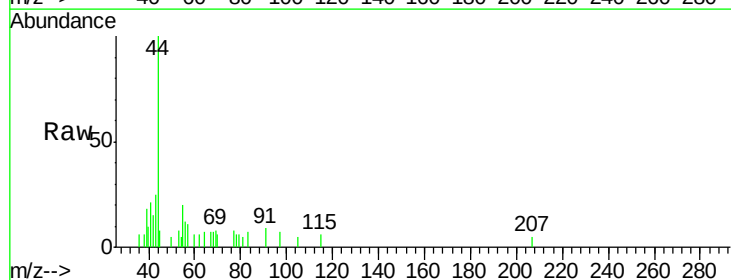
Acq: 19 Jun 2018 03:07

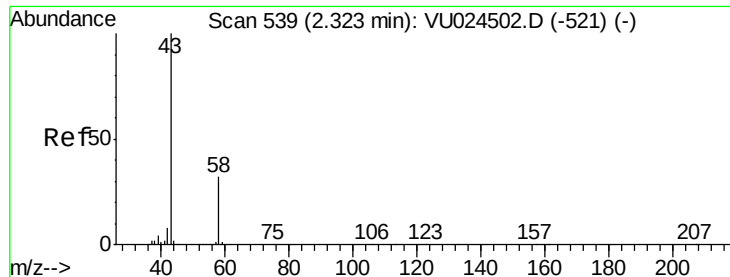
Tgt Ion: 56 Resp: 247

Ion Ratio Lower Upper

56 100

55 108.1 58.4 87.6#





#16

Acetone

Concen: 1.010 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

Instrument :

MSVOA_U

ClientSampleId :

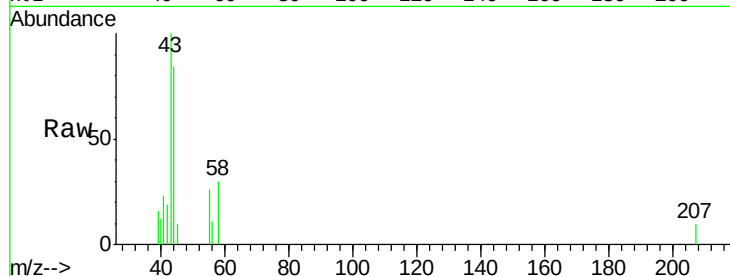
KY070MW236-180613

Tgt Ion: 43 Resp: 1686

Ion Ratio Lower Upper

43 100

58 36.8 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU024718.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU024718.D (-446) (-)

2.32

1200

1000

800

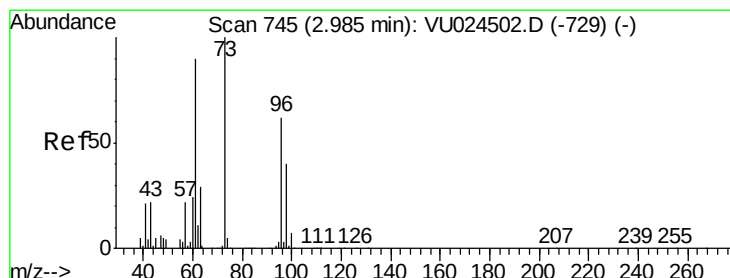
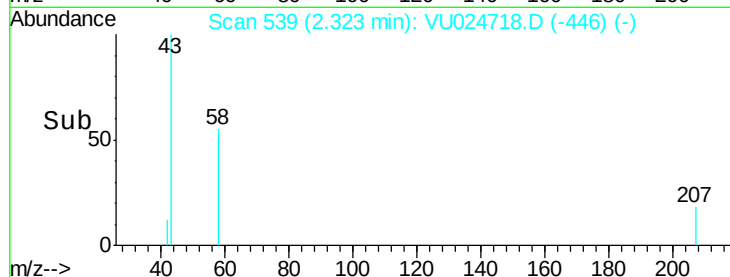
600

400

200

0

Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.477 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

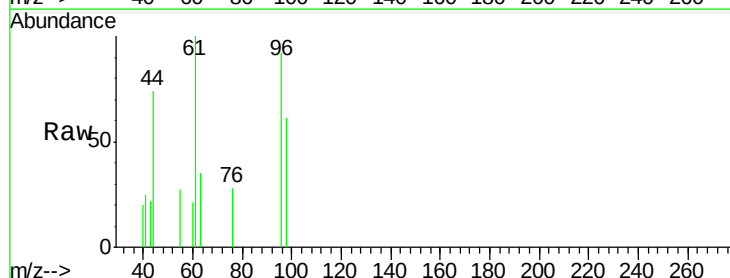
Tgt Ion: 96 Resp: 1137

Ion Ratio Lower Upper

96 100

61 108.8 119.4 179.0#

98 66.5 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024718.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU024718.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU024718.D (-652) (-)

2.98

1200

1000

800

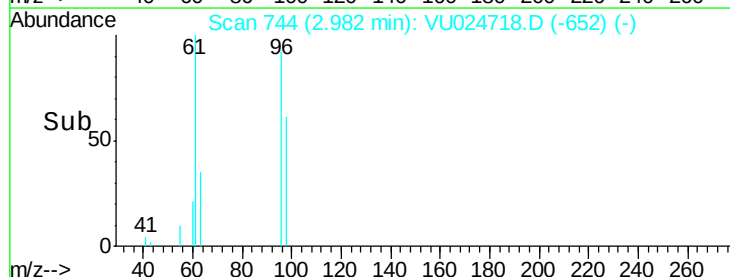
600

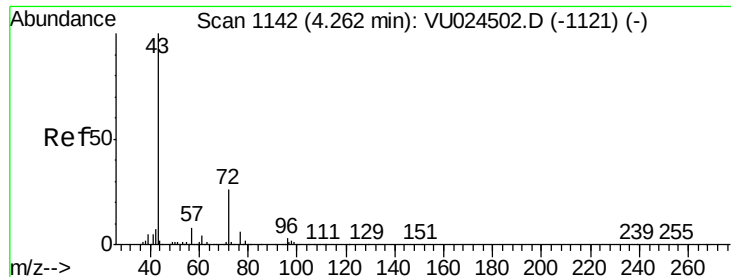
400

200

0

Time-->

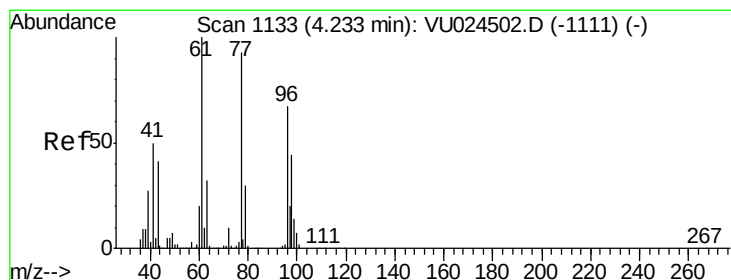
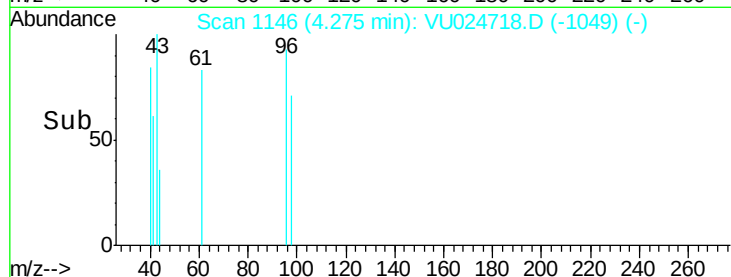
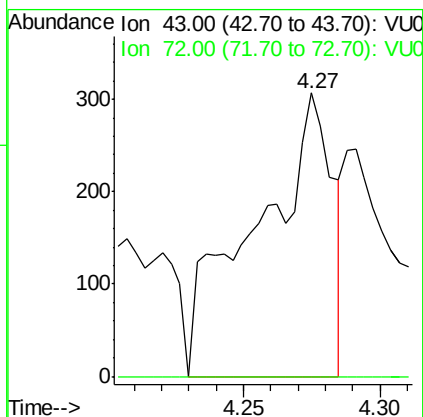
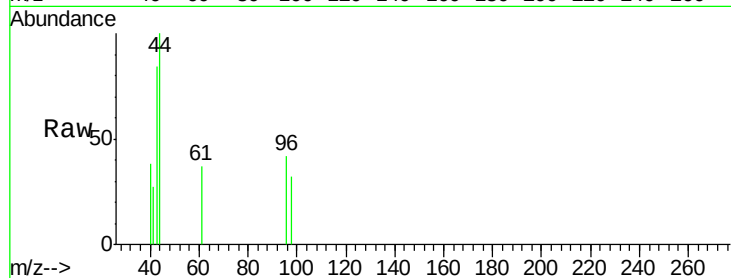




#25
2-Butanone
Concen: 0.265 ug/l
RT: 4.27 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VU024718.D
Acq: 19 Jun 2018 03:07

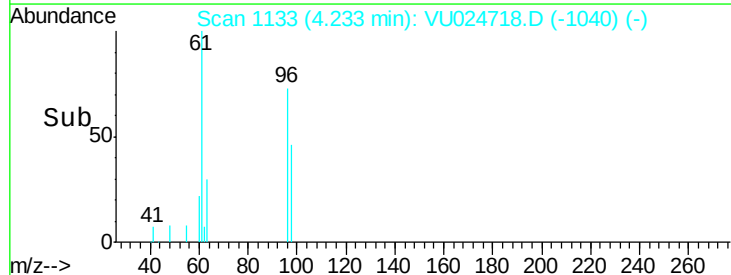
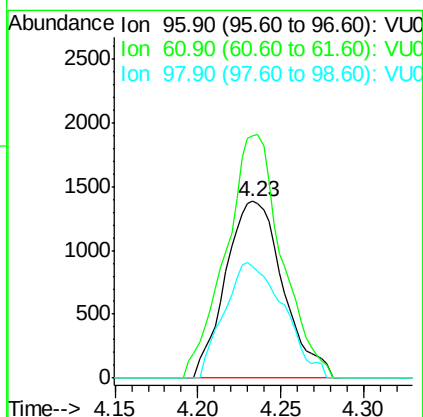
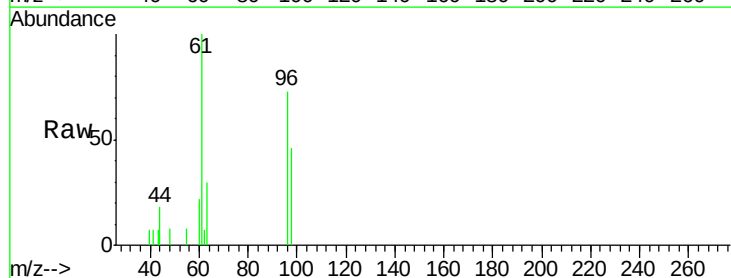
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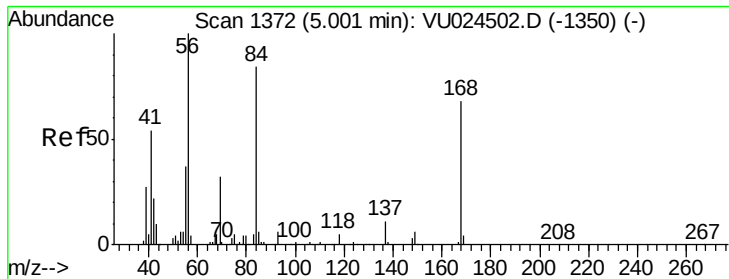
Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



#27
cis-1,2-Dichloroethene
Concen: 1.214 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024718.D
Acq: 19 Jun 2018 03:07

Tgt Ion: 96 Resp: 3330
Ion Ratio Lower Upper
96 100
61 134.7 0.0 306.6
98 67.8 0.0 128.8

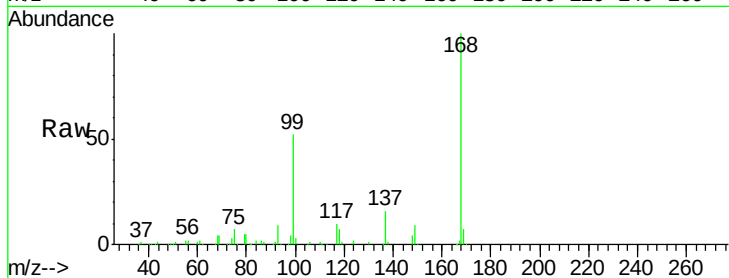




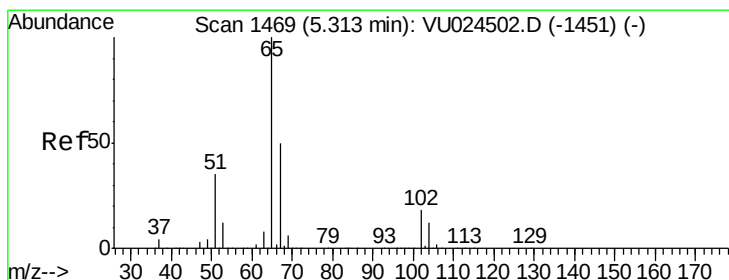
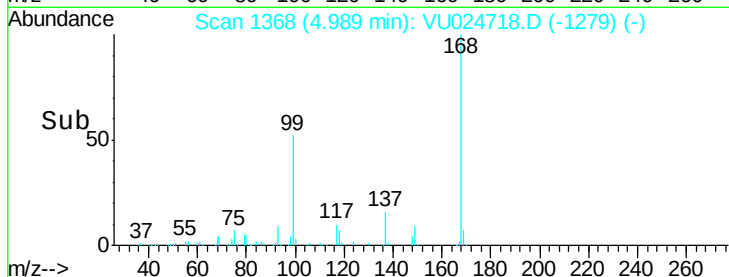
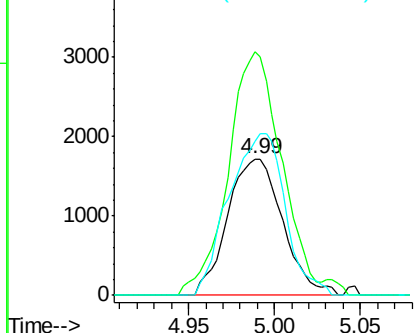
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024718.D
Acq: 19 Jun 2018 03:07

Instrument :
MSVOA_U
ClientSampleId :
KY070MW236-180613

Tgt Ion: 56 Resp: 3844
Ion Ratio Lower Upper
56 100
69 170.0 24.8 37.2#
84 113.6 65.2 97.8#

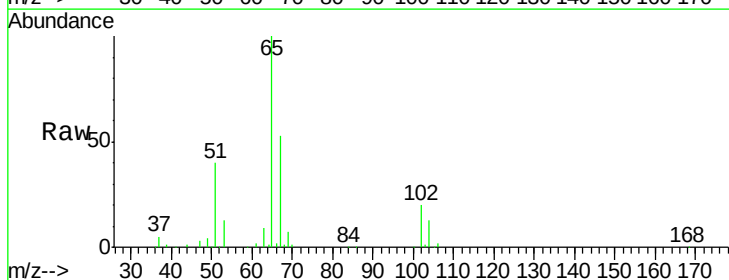


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

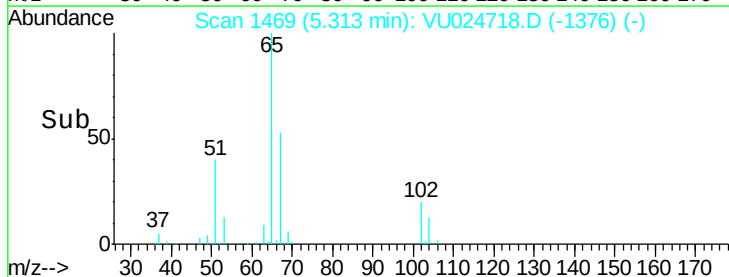
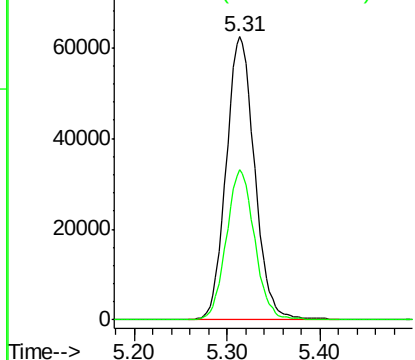


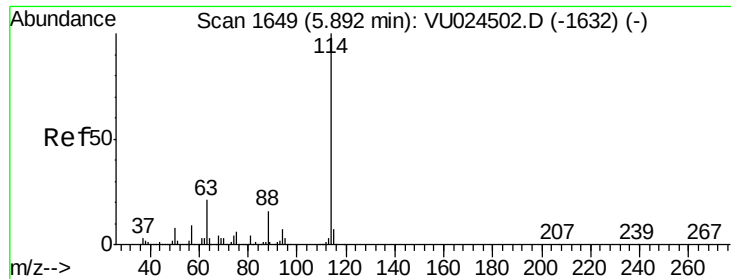
#33
1,2-Dichloroethane-d4
Concen: 42.918 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024718.D
Acq: 19 Jun 2018 03:07

Tgt Ion: 65 Resp: 133282
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

Instrument :

MSVOA_U

ClientSampleId :

KY070MW236-180613

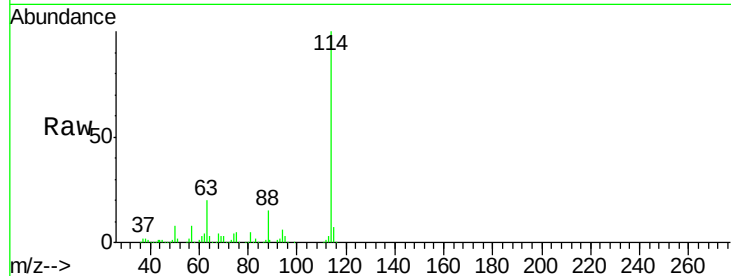
Tgt Ion:114 Resp: 300032

Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.4

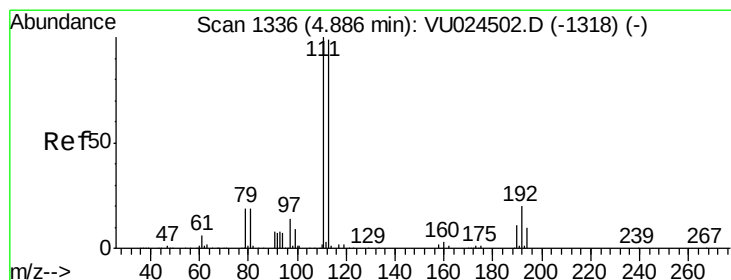
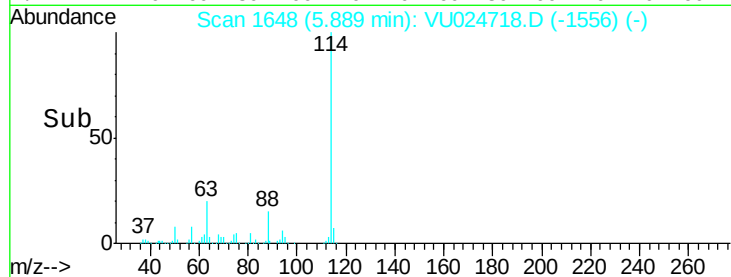
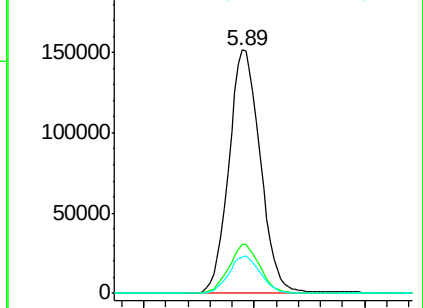
88 15.1 0.0 31.0



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: 47.158 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

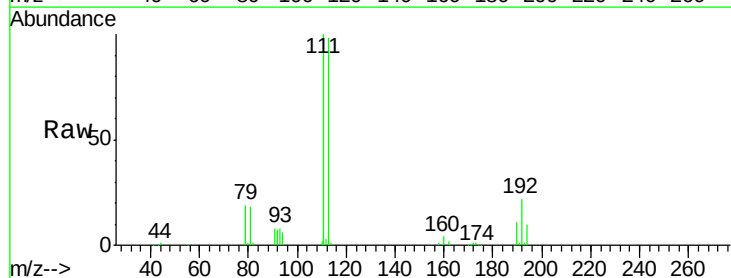
Tgt Ion:113 Resp: 117426

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

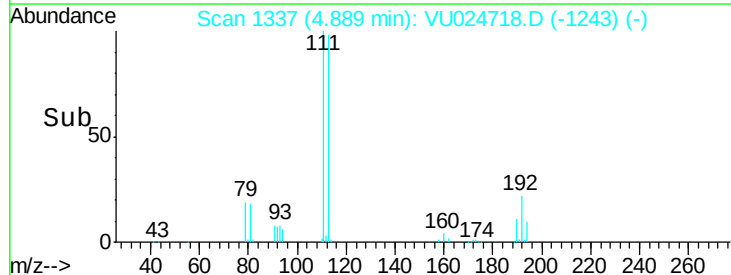
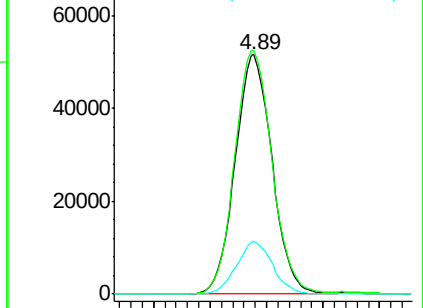
192 21.5 16.2 24.4

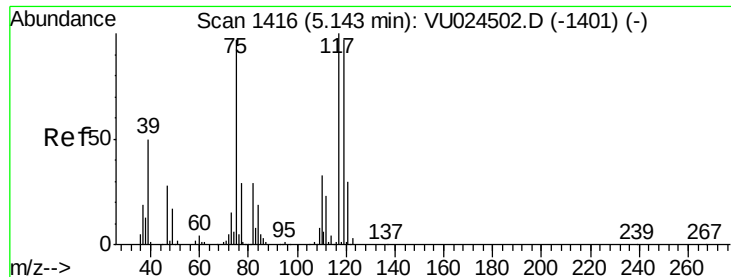


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.781 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

Instrument :

MSVOA_U

ClientSampleId :

KY070MW236-180613

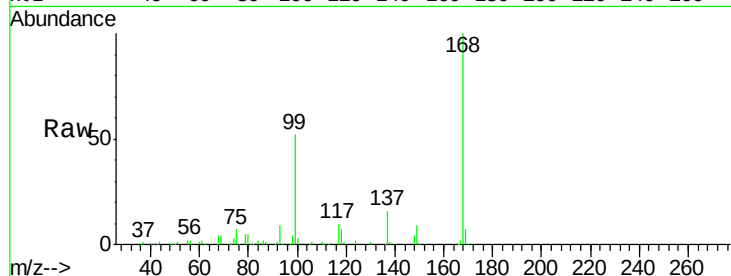
Tgt Ion: 75 Resp: 13329

Ion Ratio Lower Upper

75 100

110 7.7 17.0 50.9#

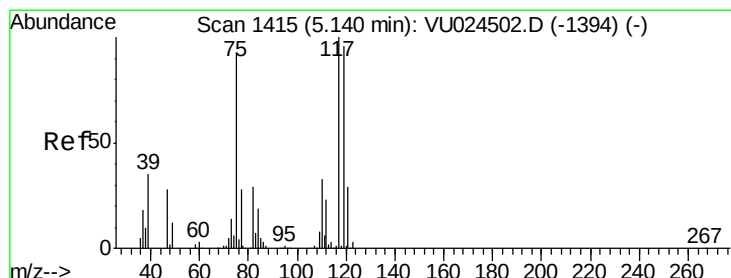
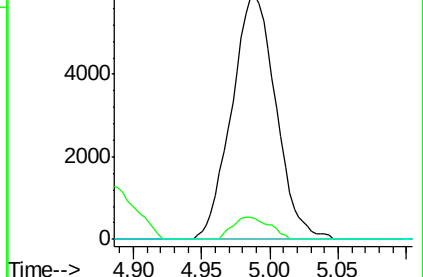
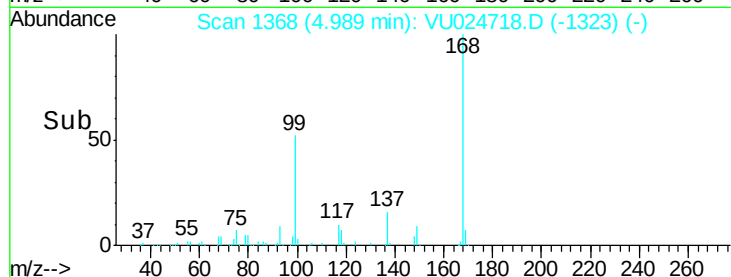
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU024718.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU024718.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU024718.D (-1323) (-)



#38

Carbon Tetrachloride

Concen: 4.572 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

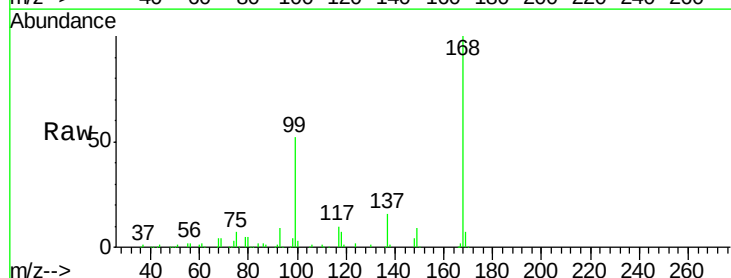
Tgt Ion: 117 Resp: 17725

Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

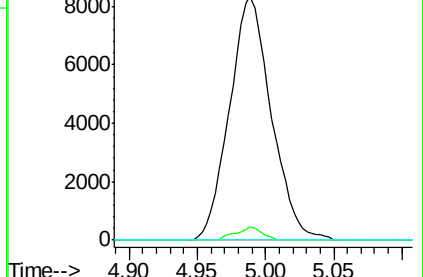
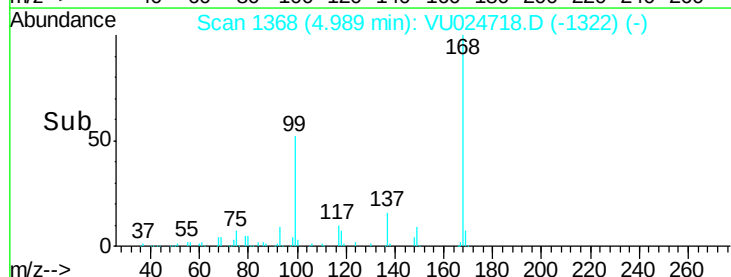
121 0.0 23.7 35.5#

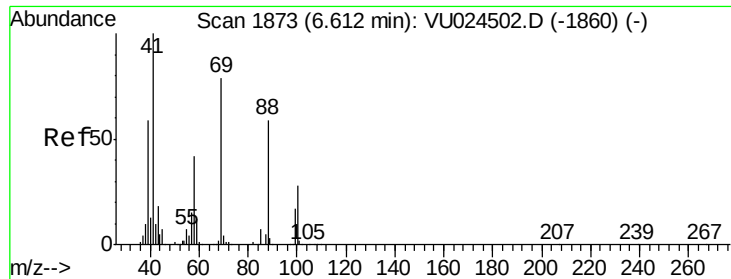


Abundance Ion 116.80 (116.50 to 117.50): VU024718.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU024718.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU024718.D (-1322) (-)

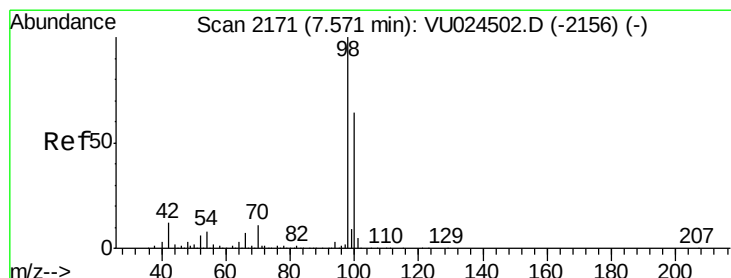
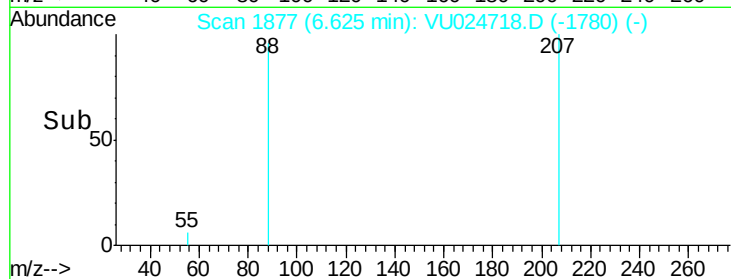
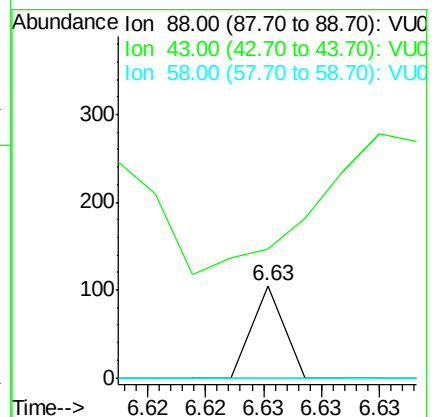
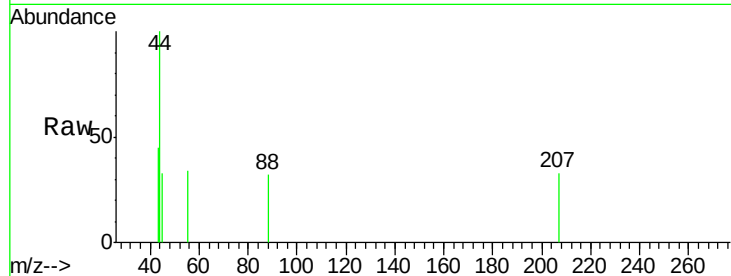




#49
1,4-Dioxane
Concen: 0.316 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VU024718.D
Acq: 19 Jun 2018 03:07

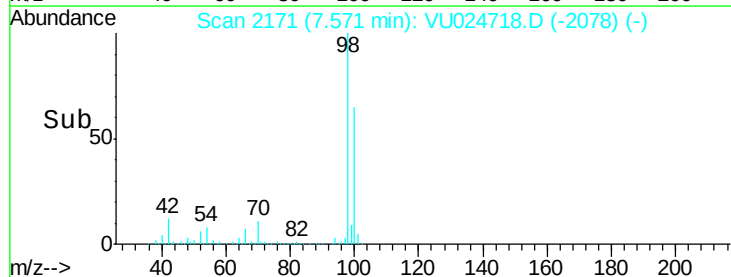
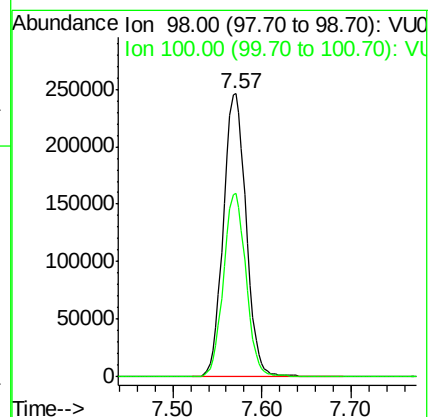
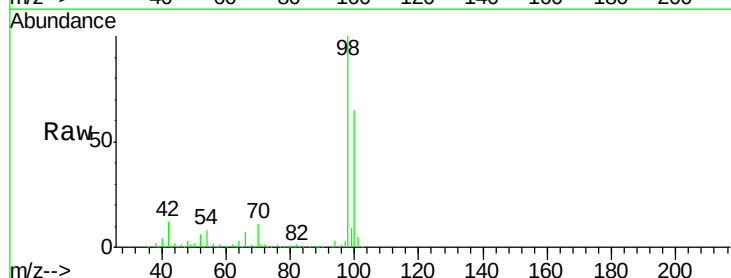
Instrument :
MSVOA_U
ClientSampleId :
KY070MW236-180613

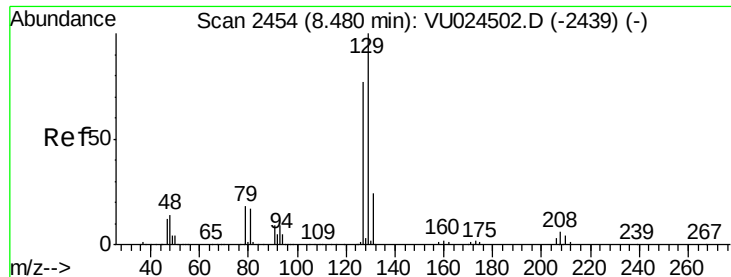
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 500.0 28.6 42.8#
58 0.0 58.2 87.4#



#50
Toluene-d8
Concen: 48.068 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024718.D
Acq: 19 Jun 2018 03:07

Tgt Ion: 98 Resp: 436581
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7

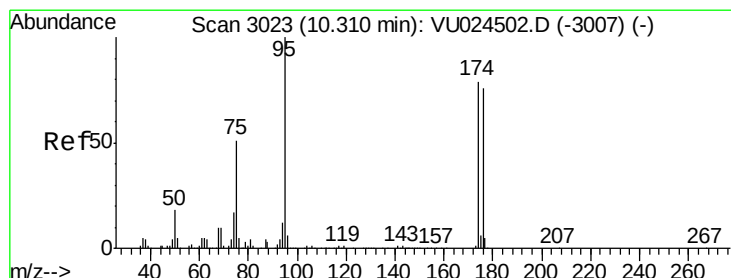
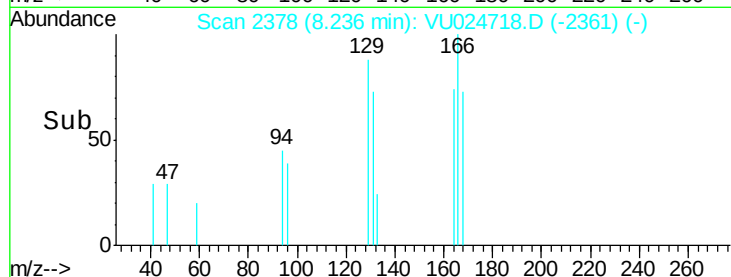
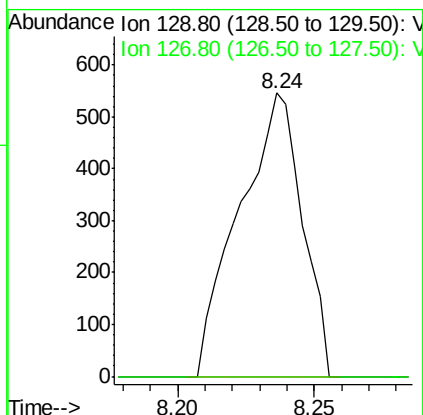
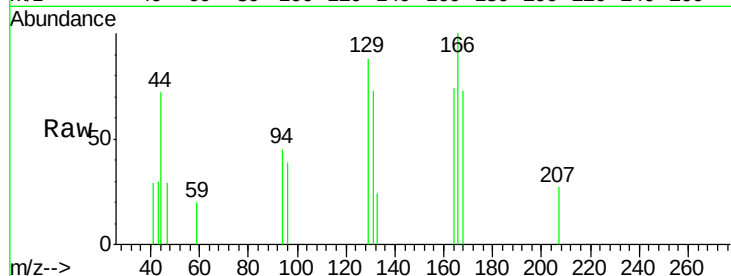




#60
Dibromochloromethane
Concen: 0.267 ug/l
RT: 8.24 min Scan# 2378
Delta R.T. -0.24 min
Lab File: VU024718.D
Acq: 19 Jun 2018 03:07

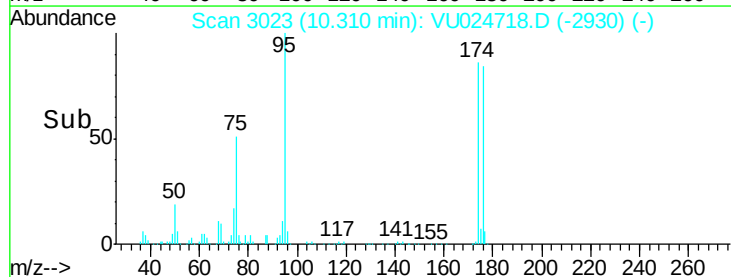
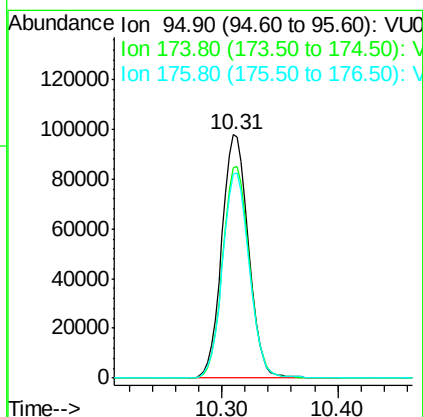
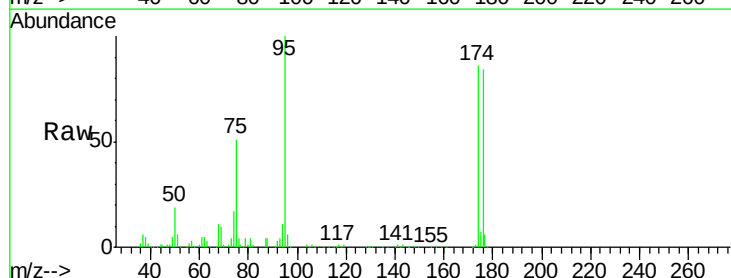
Instrument :
MSVOA_U
ClientSampleId :
KY070MW236-180613

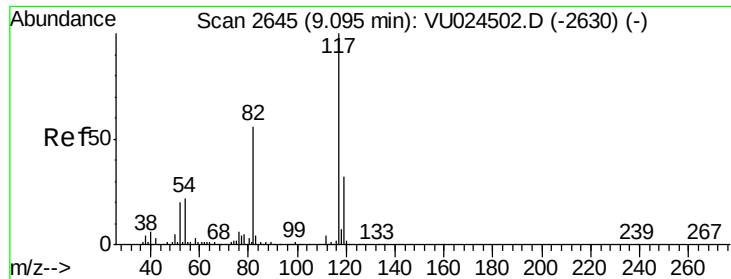
Tgt Ion: 129 Resp: 875
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 43.159 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024718.D
Acq: 19 Jun 2018 03:07

Tgt Ion: 95 Resp: 155638
Ion Ratio Lower Upper
95 100
174 86.8 0.0 165.8
176 84.5 0.0 159.4

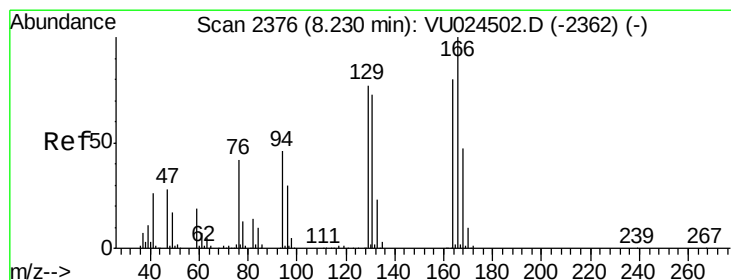
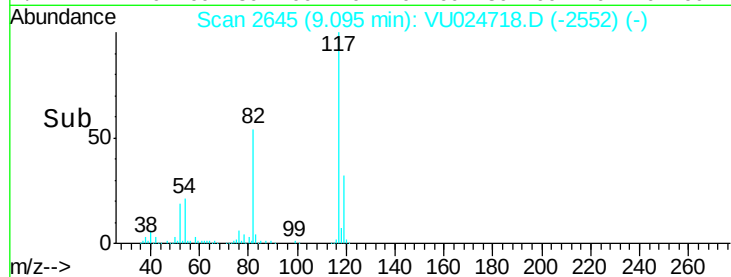
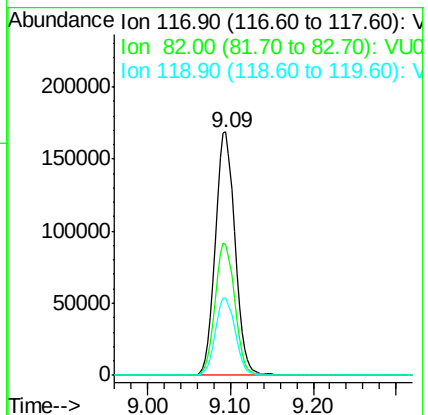
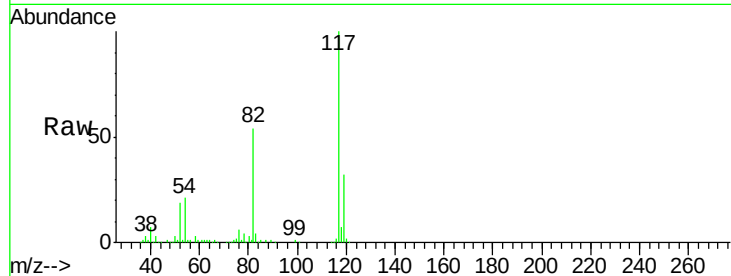




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024718.D
Acq: 19 Jun 2018 03:07

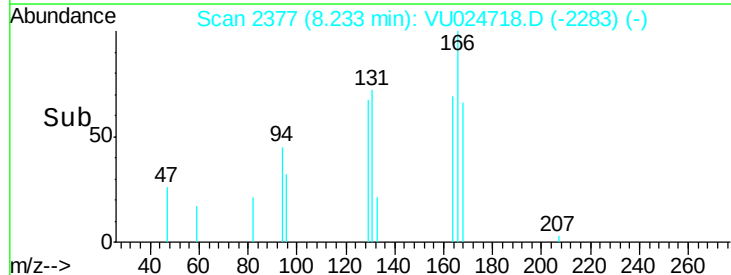
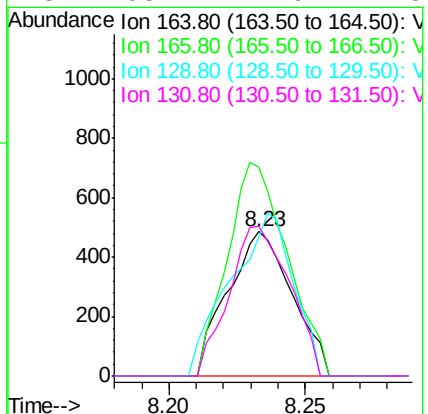
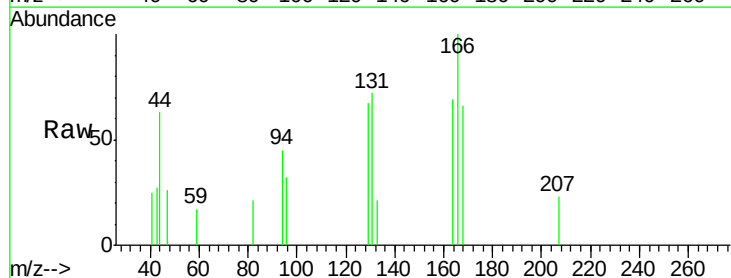
Instrument :
MSVOA_U
ClientSampleId :
KY070MW236-180613

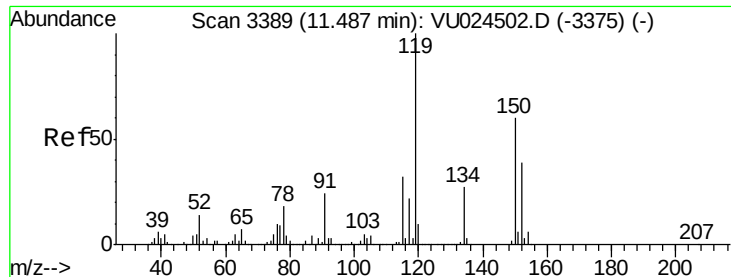
Tgt Ion:117 Resp: 277464
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 0.301 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024718.D
Acq: 19 Jun 2018 03:07

Tgt Ion:164 Resp: 795
Ion Ratio Lower Upper
164 100
166 144.0 101.7 152.5
129 96.3 76.9 115.3
131 103.7 74.9 112.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

Instrument :

MSVOA_U

ClientSampleId :

KY070MW236-180613

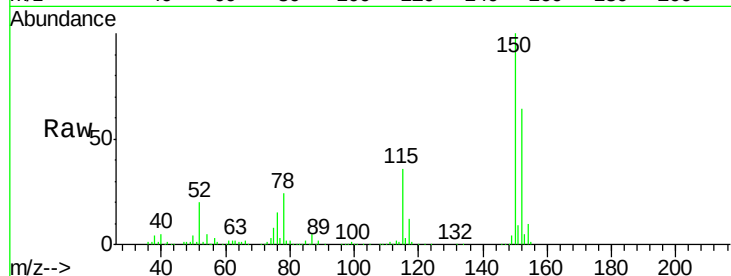
Tgt Ion:152 Resp: 150566

Ion Ratio Lower Upper

152 100

115 55.7 43.0 129.0

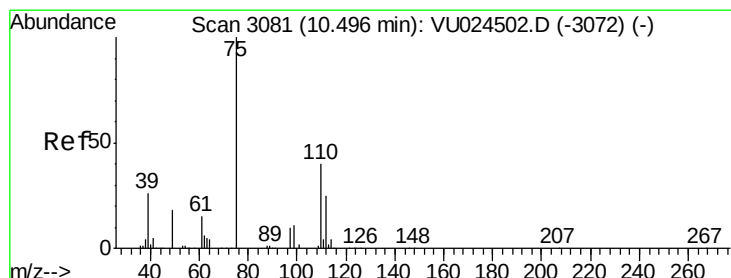
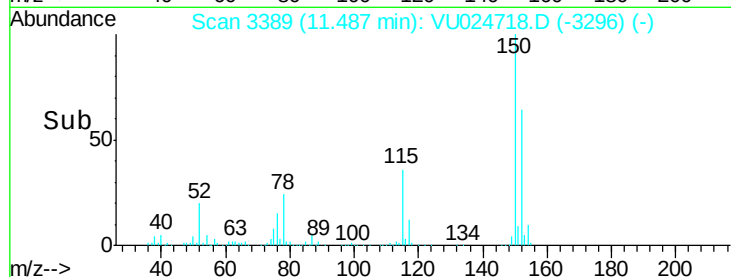
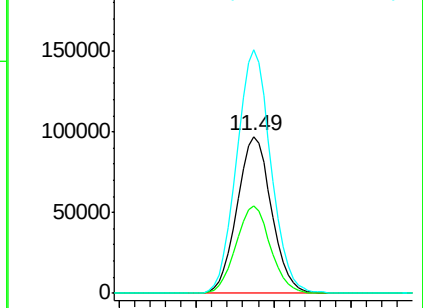
150 154.4 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.465 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024718.D

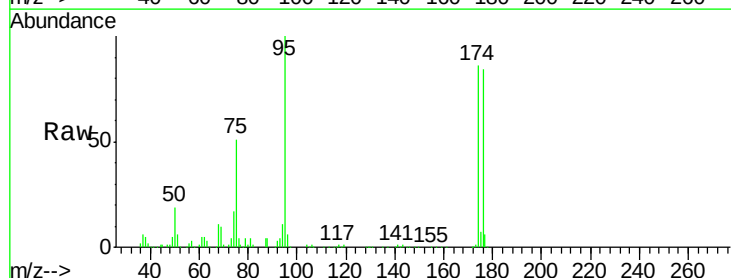
Acq: 19 Jun 2018 03:07

Tgt Ion: 75 Resp: 77783

Ion Ratio Lower Upper

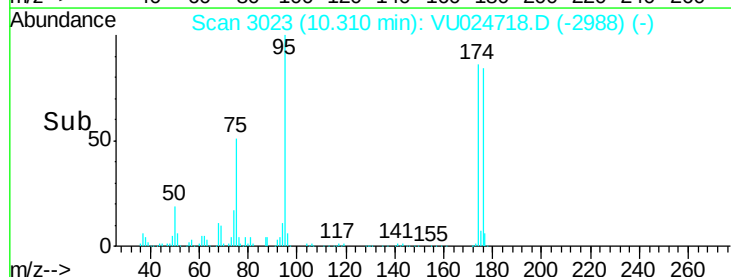
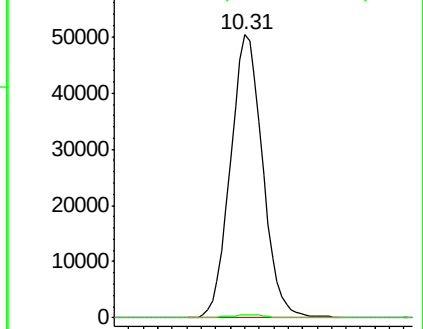
75 100

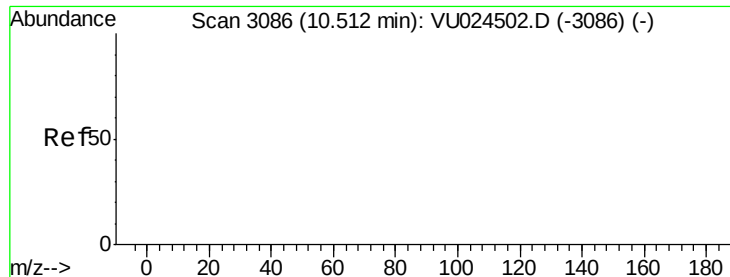
77 1.2 20.9 62.7#



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: 54.307 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

Instrument :

MSVOA_U

ClientSampleId :

KY070MW236-180613

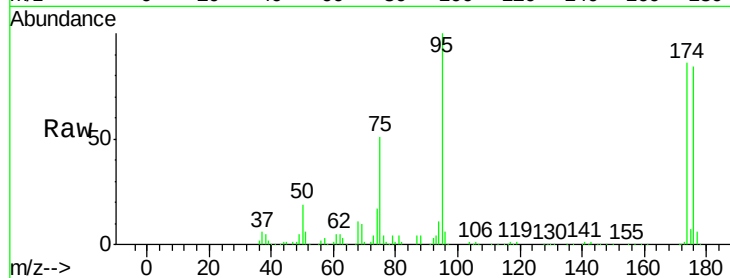
Tgt Ion: 75 Resp: 77783

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

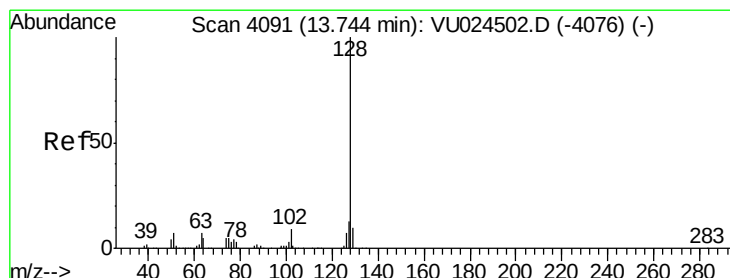
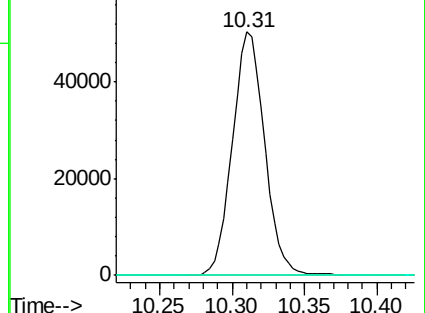
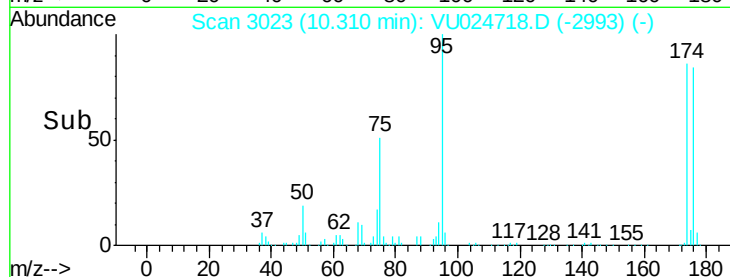
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024718.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024718.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024718.D (-2993) (-)



#95

Naphthalene

Concen: 0.698 ug/l

RT: 13.76 min Scan# 4096

Delta R.T. 0.02 min

Lab File: VU024718.D

Acq: 19 Jun 2018 03:07

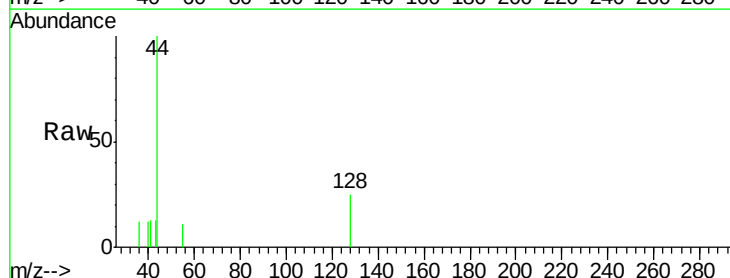
Tgt Ion: 128 Resp: 215

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024718.D (-3997) (-)

Ion 127.00 (126.70 to 127.70): VU024718.D (-3997) (-)

Ion 129.00 (128.70 to 129.70): VU024718.D (-3997) (-)

