

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025333.D
 Acq On : 12 Jul 2018 12:08
 Operator : MD/SY
 Sample : VU0712WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBL01

Quant Time: Jul 13 01:06:36 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	209869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	320766	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	293181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149622	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	158417	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
35) Dibromofluoromethane	4.89	113	126734	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
50) Toluene-d8	7.57	98	459623	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	10.31	95	165118	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	

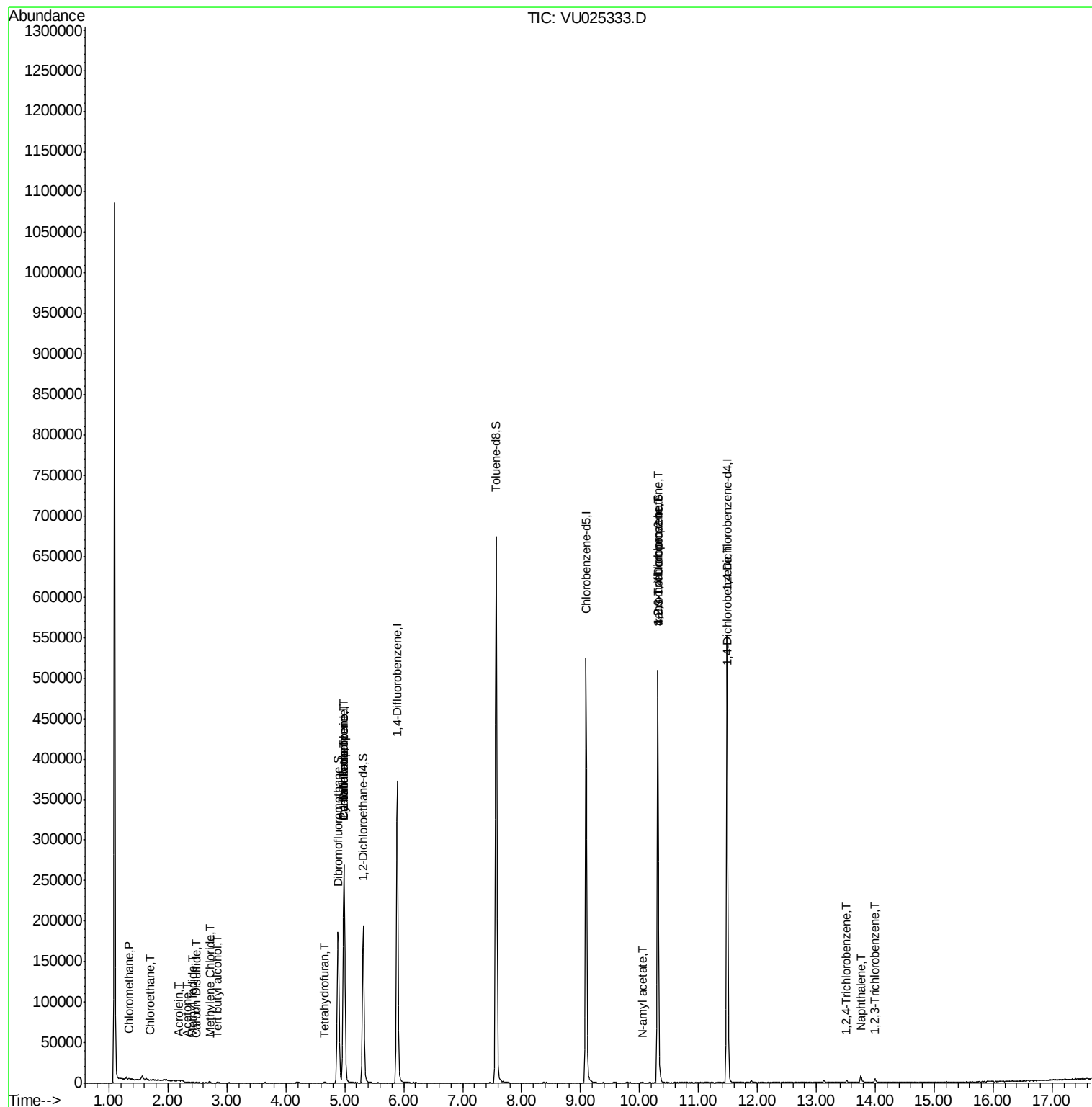
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	847	0.95	ug/l	90
5) Bromomethane	1.64	94	680	Below Cal		88
6) Chloroethane	1.69	64	19	0.30	ug/l #	43
10) Methyl Iodide	2.42	142	766	7.95	ug/l #	71
11) Tert butyl alcohol	2.83	59	362	0.51	ug/l #	73
13) Acrolein	2.19	56	99	0.21	ug/l #	1
16) Acetone	2.33	43	648	5.25	ug/l #	46
17) Carbon Disulfide	2.48	76	724	2.04	ug/l #	74
20) Methylene Chloride	2.70	84	986	1.08	ug/l #	93
29) Tetrahydrofuran	4.64	42	567	0.42	ug/l #	60
31) Cyclohexane	4.99	56	4271	1.76	ug/l #	6
36) 1,1-Dichloropropene	4.99	75	15461	4.34	ug/l #	50
38) Carbon Tetrachloride	4.99	117	20401	5.32	ug/l #	16
74) N-amyl acetate	10.04	43	254	1.32	ug/l #	43
76) 1,2,3-Trichloropropane	10.31	75	86321	28.34	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	86321	72.42	ug/l #	100
88) 1,4-Dichlorobenzene	11.50	146	415	1.56	ug/l #	25
93) 1,2,4-Trichlorobenzene	13.52	180	1457	3.66	ug/l	88
95) Naphthalene	13.75	128	10596	3.33	ug/l #	87
96) 1,2,3-Trichlorobenzene	13.99	180	1786	2.99	ug/l	85

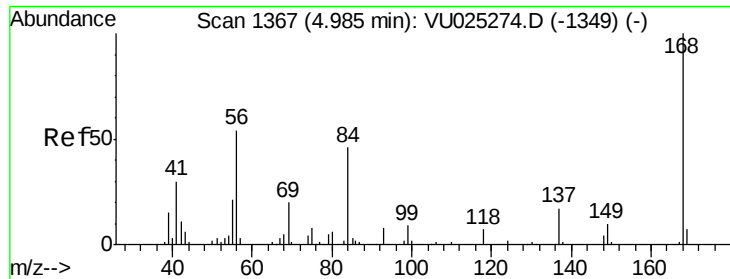
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071218\
Data File : VU025333.D
Acq On : 12 Jul 2018 12:08
Operator : MD/SY
Sample : VU0712WBL01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBL01

Quant Time: Jul 13 01:06:36 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025333.D

Acq: 12 Jul 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

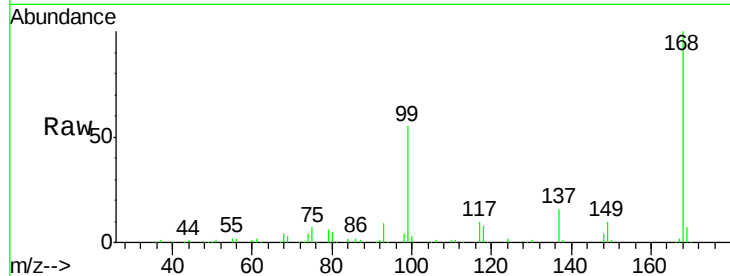
VU0712WBL01

Tot Ion:168 Resp: 209869

Ion Ratio Lower Upper

168 100

99 54.6 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

100000

80000

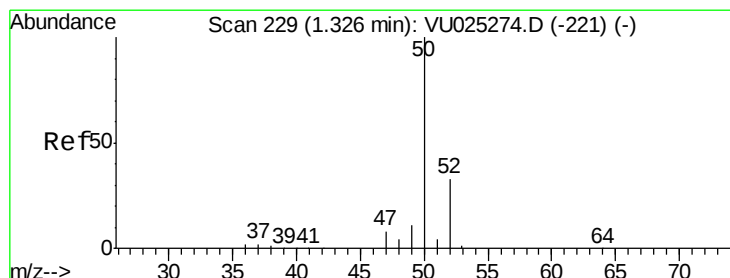
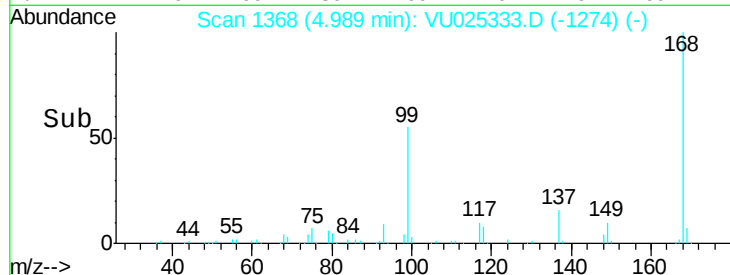
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.95 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025333.D

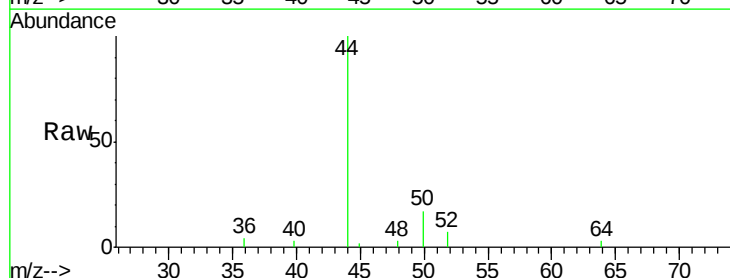
Acq: 12 Jul 2018 12:08

Tgt Ion: 50 Resp: 847

Ion Ratio Lower Upper

50 100

52 38.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025274.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025274.D (-221) (-)

1.33

800

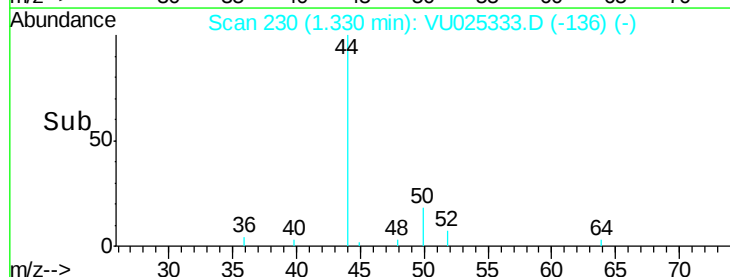
600

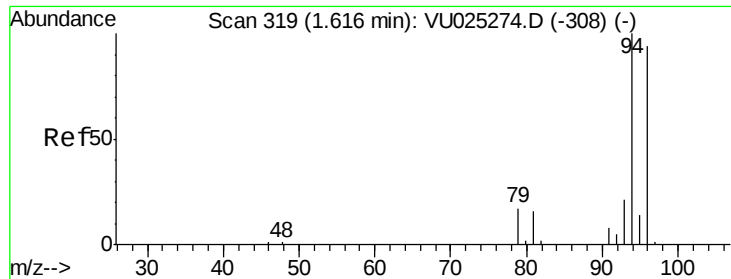
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025333.D

Acq: 12 Jul 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

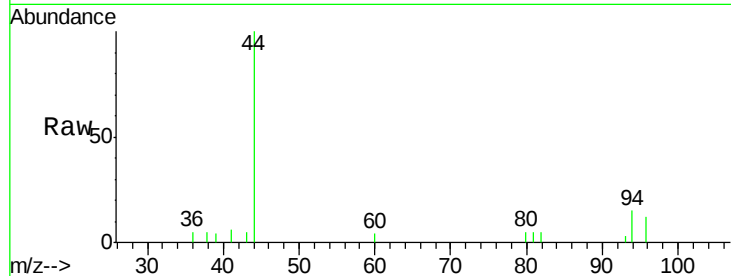
VU0712WBL01

Tot Ion: 94 Resp: 680

Ion Ratio Lower Upper

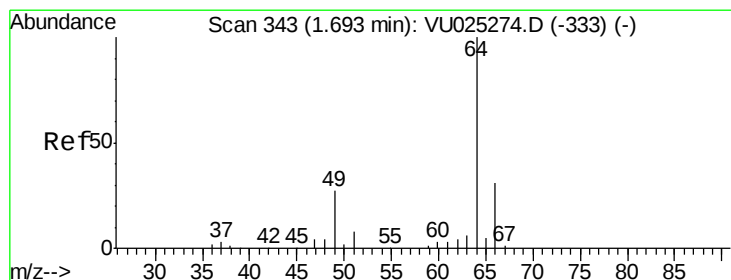
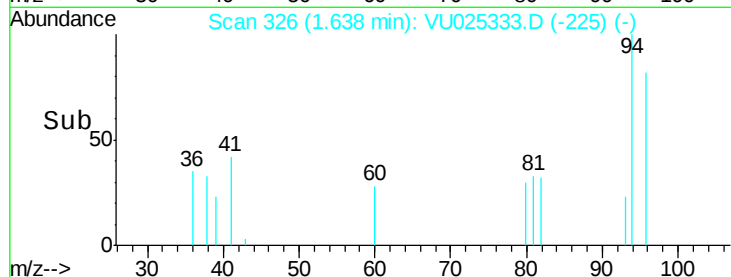
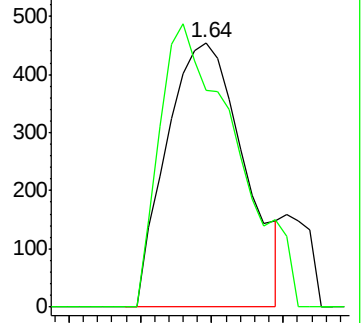
94 100

96 81.8 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 0.30 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.00 min

Lab File: VU025333.D

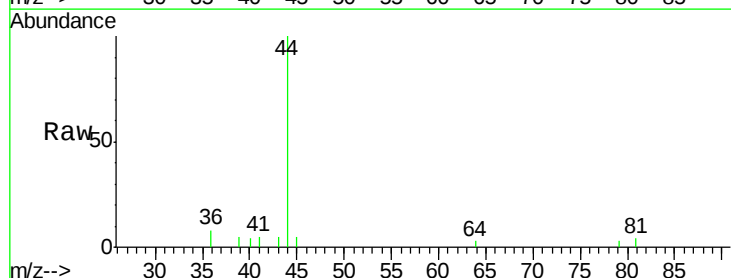
Acq: 12 Jul 2018 12:08

Tgt Ion: 64 Resp: 19

Ion Ratio Lower Upper

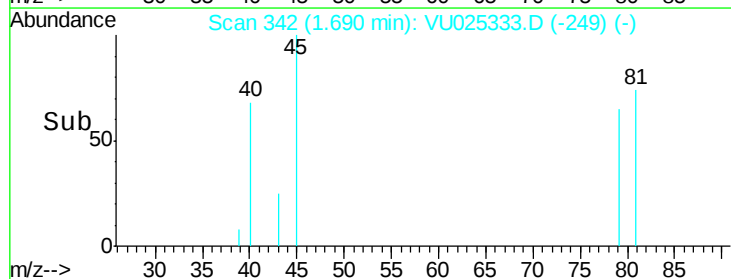
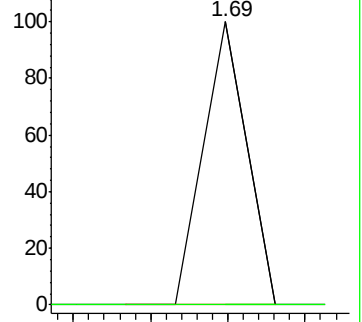
64 100

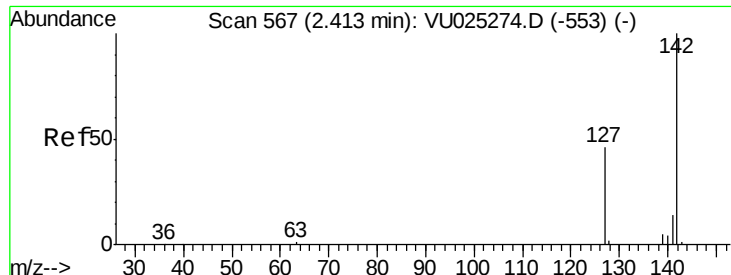
66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

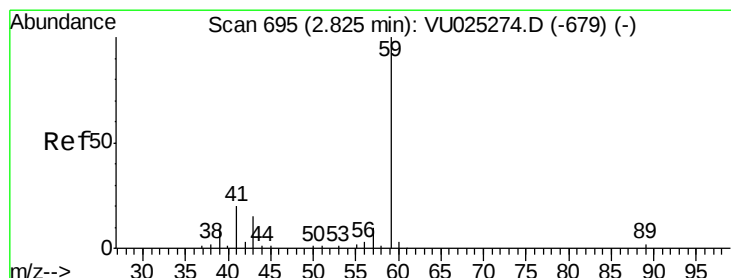
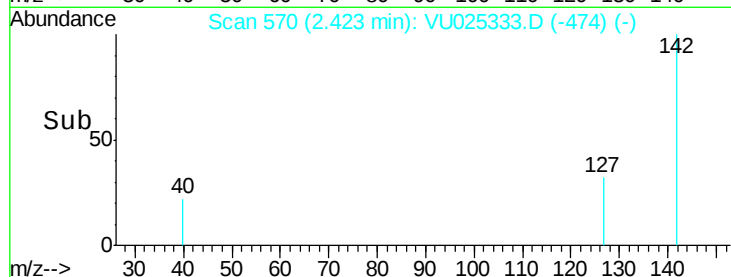
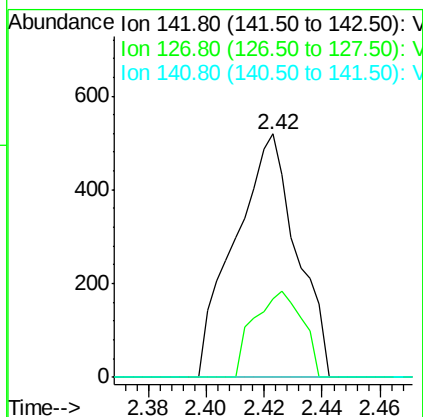
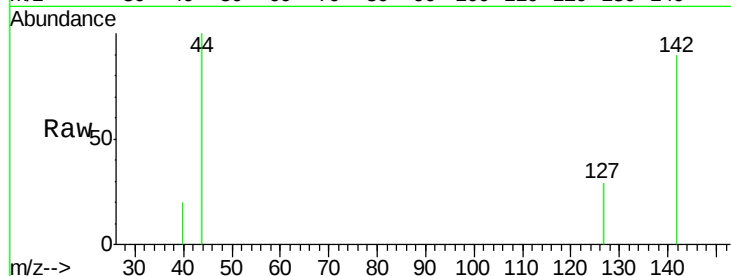




#10
Methvl Iodide
Concen: 7.95 ug/l
RT: 2.42 min Scan# 570
Delta R.T. 0.01 min
Lab File: VU025333.D
Acq: 12 Jul 2018 12:08

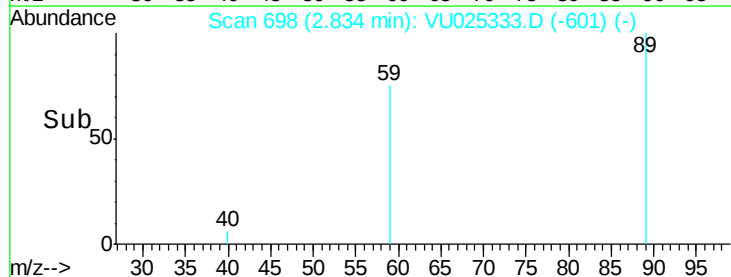
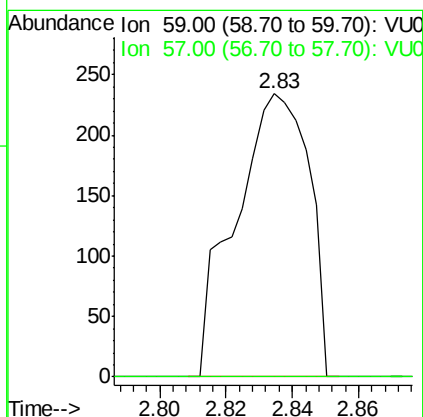
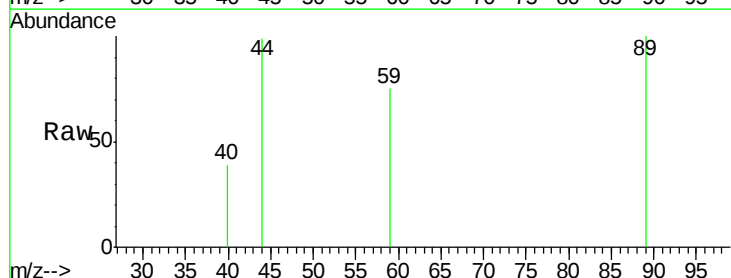
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBL01

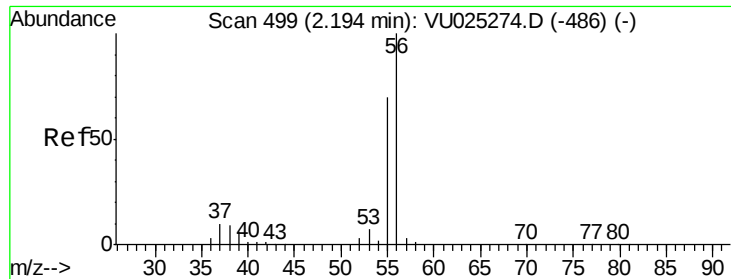
Tot Ion:142 Resp: 766
Ion Ratio Lower Upper
142 100
127 27.9 36.5 54.7#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.51 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025333.D
Acq: 12 Jul 2018 12:08

Tgt Ion: 59 Resp: 362
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

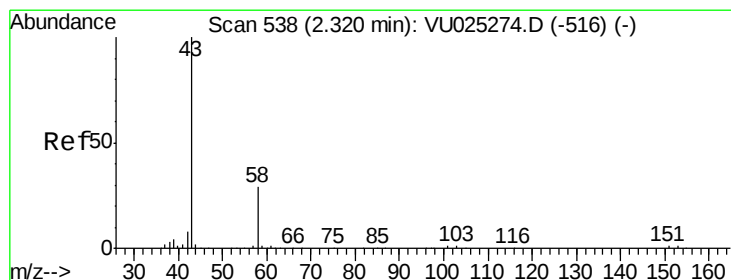
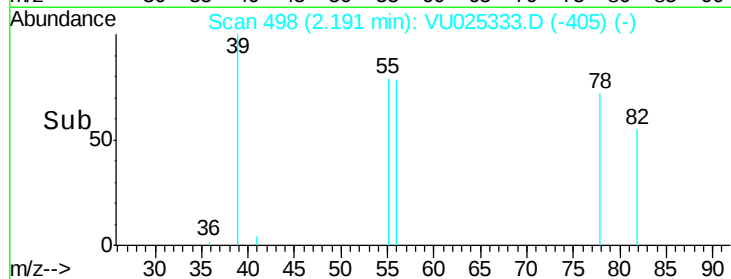
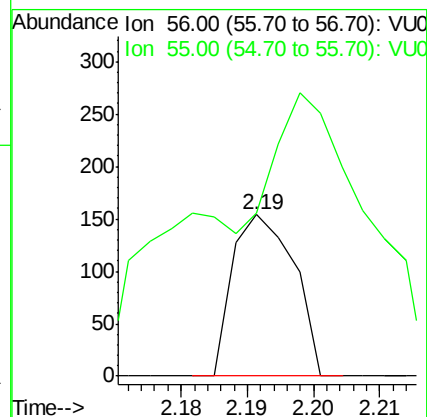
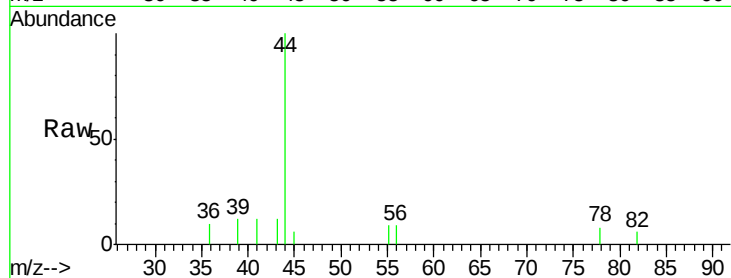




#13
Acrolein
Concen: 0.21 ug/l
RT: 2.19 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU025333.D
Acq: 12 Jul 2018 12:08

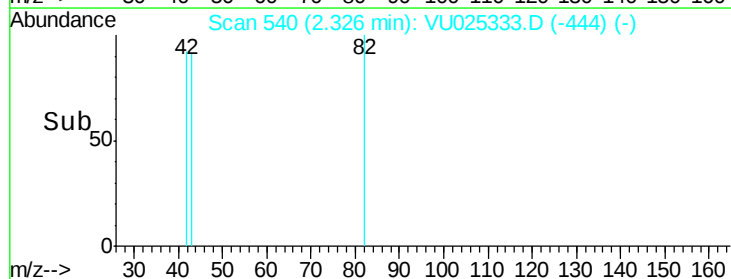
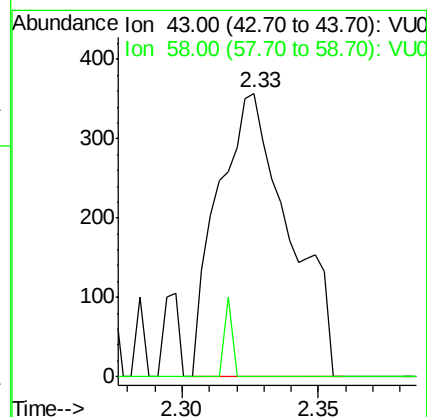
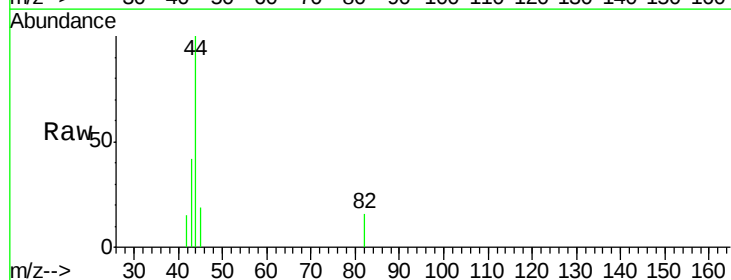
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBL01

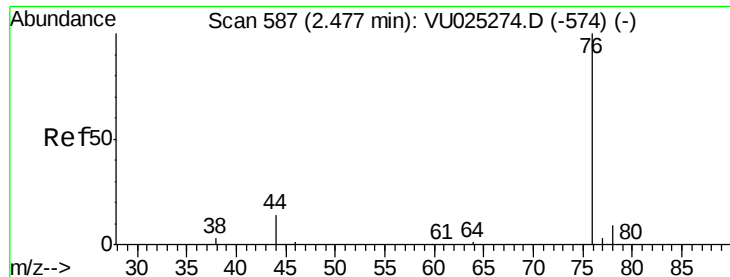
Tot Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 290.9 57.2 85.8#



#16
Acetone
Concen: 5.25 ug/l
RT: 2.33 min Scan# 540
Delta R.T. 0.01 min
Lab File: VU025333.D
Acq: 12 Jul 2018 12:08

Tgt Ion: 43 Resp: 648
Ion Ratio Lower Upper
43 100
58 0.0 23.1 34.7#





#17

Carbon Disulfide

Concen: 2.04 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU025333.D

Acq: 12 Jul 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

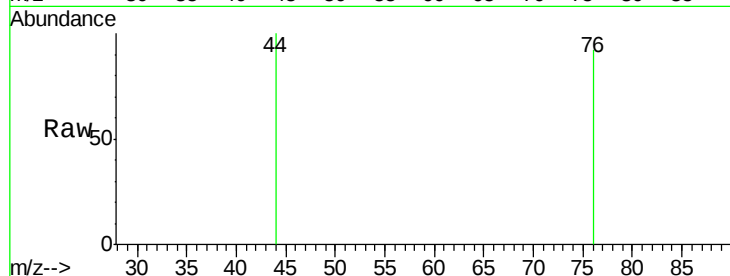
VU0712WBL01

Tot Ion: 76 Resp: 724

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

600

500

400

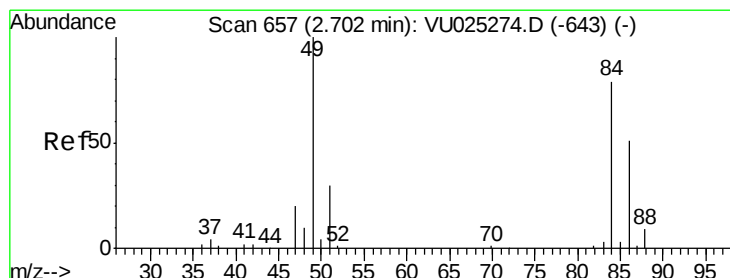
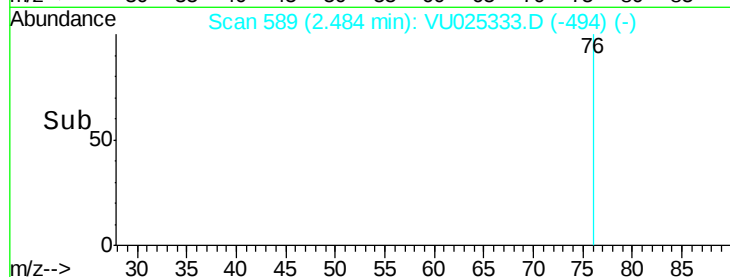
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 1.08 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025333.D

Acq: 12 Jul 2018 12:08

Tgt Ion: 84 Resp: 986

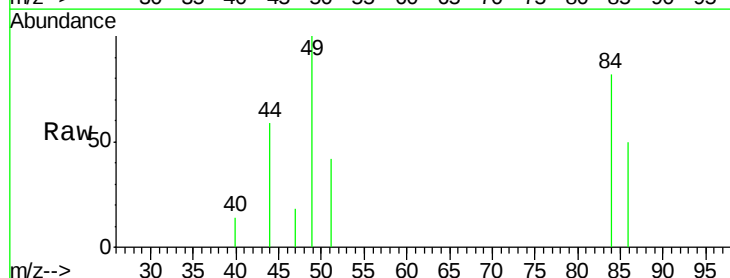
Ion Ratio Lower Upper

84 100

49 122.1 101.8 152.6

51 51.0 30.8 46.2#

86 61.1 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

1000

800

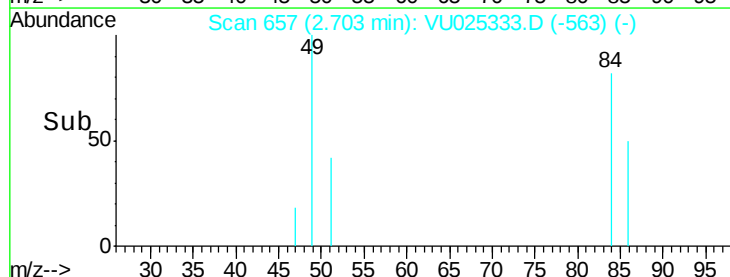
600

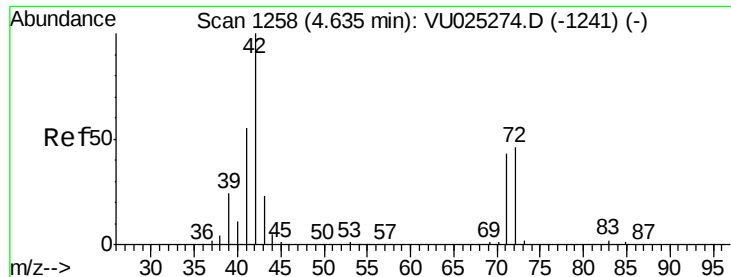
400

200

0

Time-->

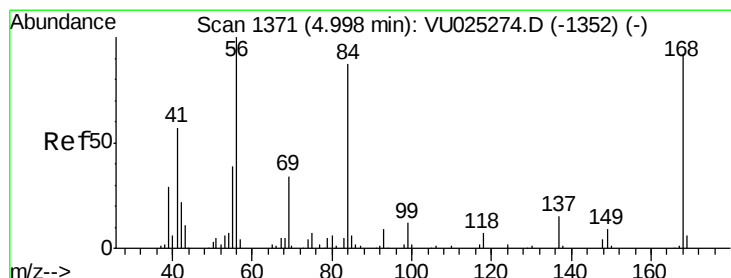
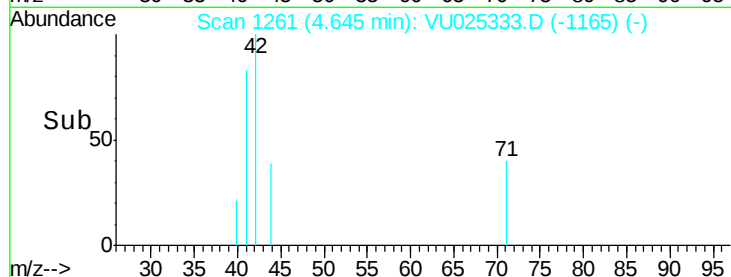
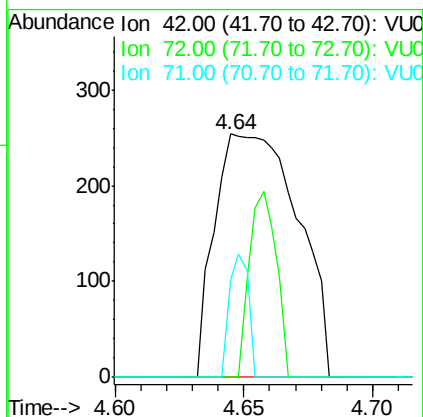
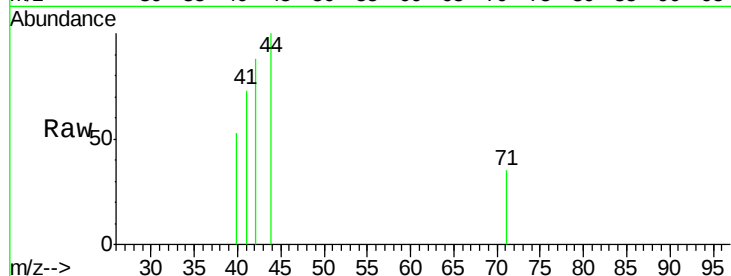




#29
Tetrahydrofuran
Concen: 0.42 ug/l
RT: 4.64 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VU025333.D
Acq: 12 Jul 2018 12:08

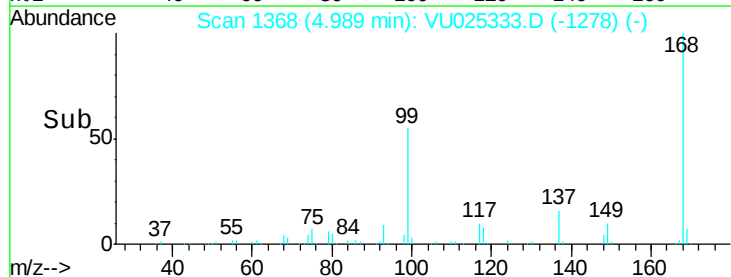
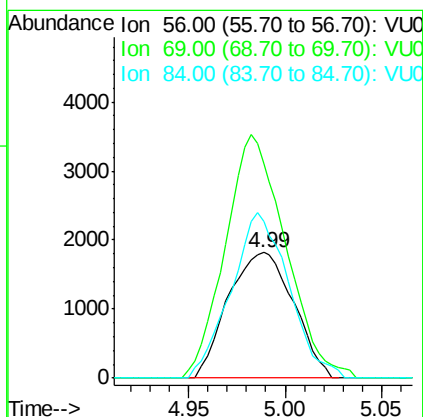
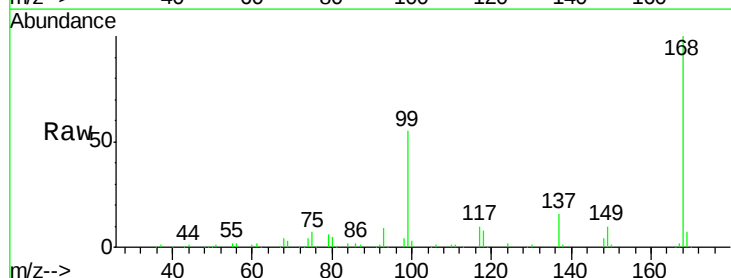
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBL01

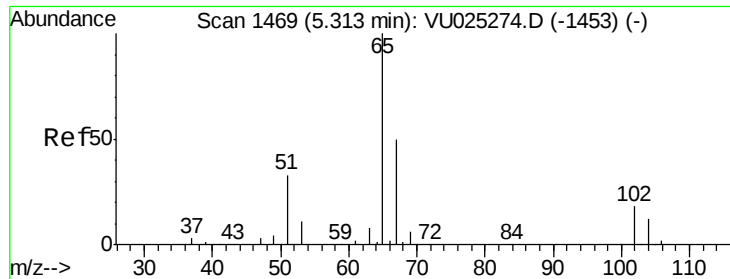
Tot Ion: 42 Resp: 567
Ion Ratio Lower Upper
42 100
72 25.0 36.7 55.1#
71 11.6 33.9 50.9#



#31
Cyclohexane
Concen: 1.76 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025333.D
Acq: 12 Jul 2018 12:08

Tgt Ion: 56 Resp: 4271
Ion Ratio Lower Upper
56 100
69 165.0 26.8 40.2#
84 124.8 69.7 104.5#

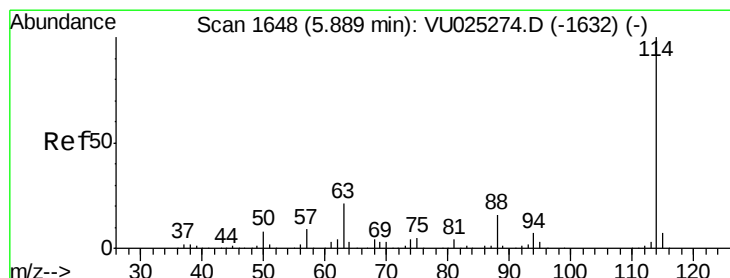
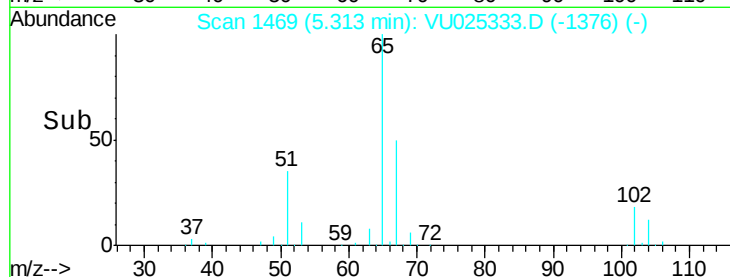
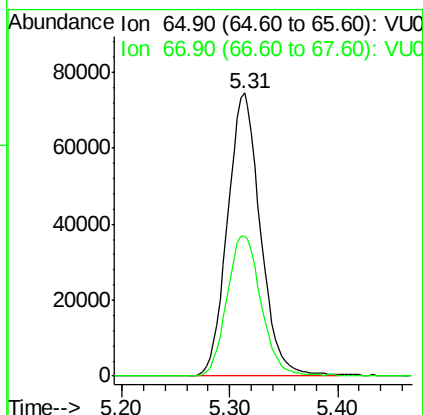
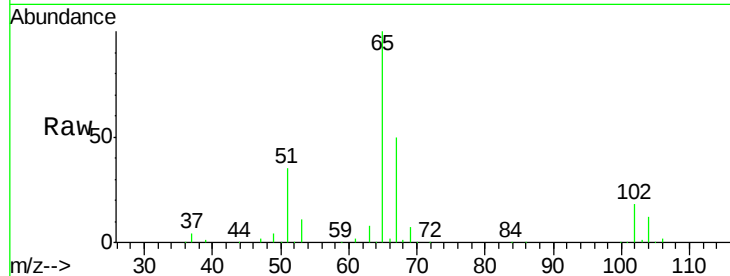




#33
 1,2-Dichloroethane-d4
 Concen: 48.59 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025333.D
 Acq: 12 Jul 2018 12:08

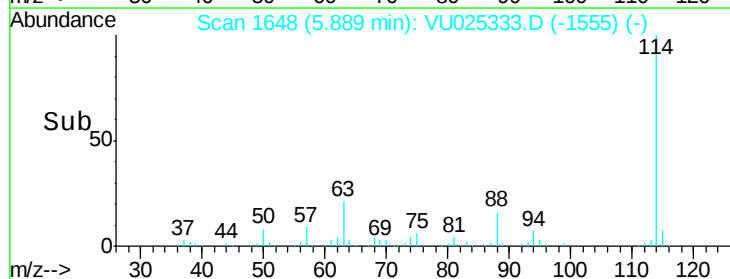
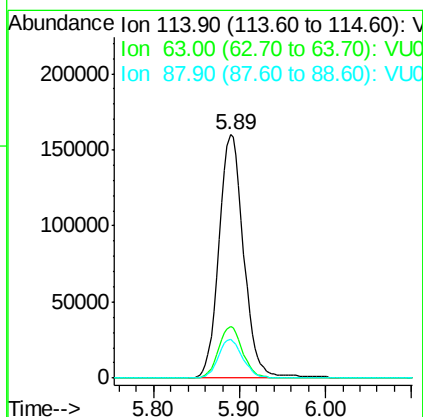
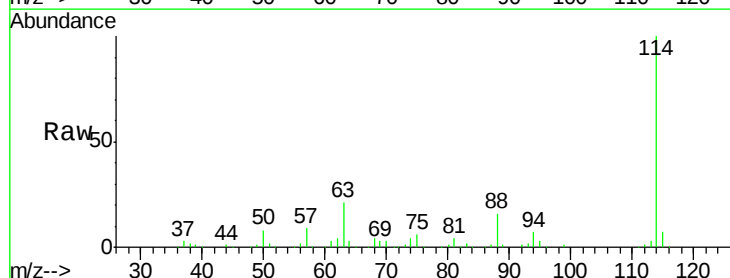
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBL01

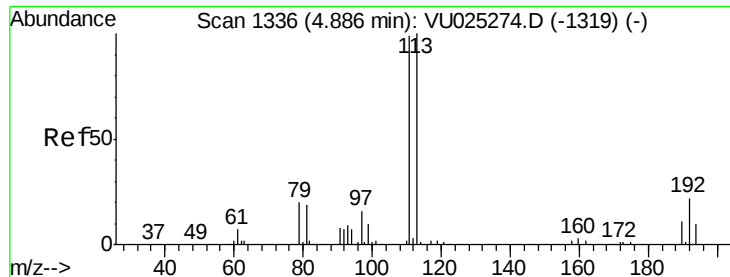
Tot Ion: 65 Resp: 158417
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025333.D
 Acq: 12 Jul 2018 12:08

Tgt Ion: 114 Resp: 320766
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.6
 88 15.8 0.0 32.4

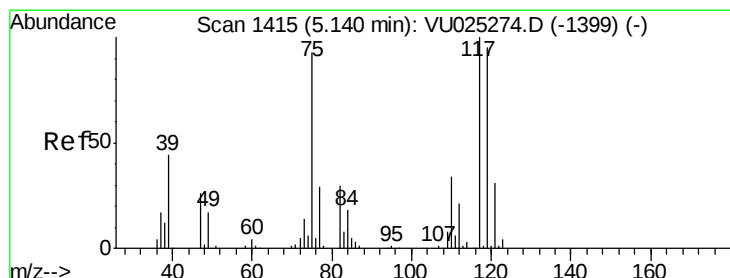
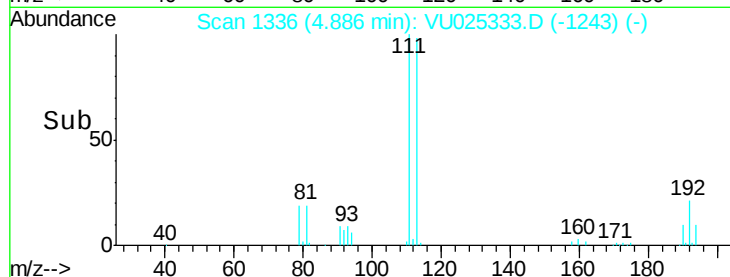
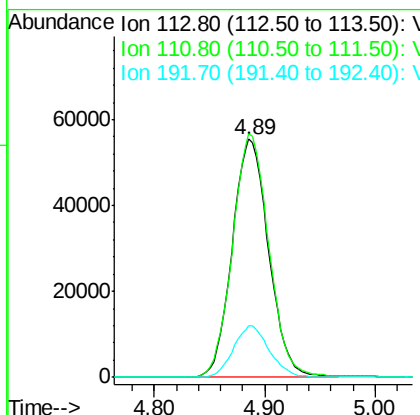
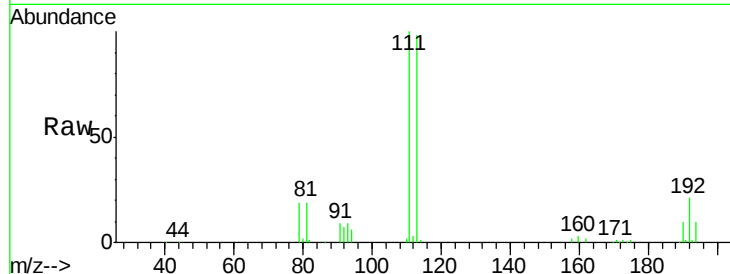




#35
 Dibromofluoromethane
 Concen: 46.84 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025333.D
 Acq: 12 Jul 2018 12:08

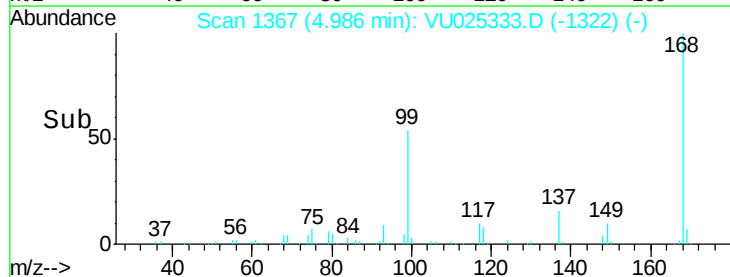
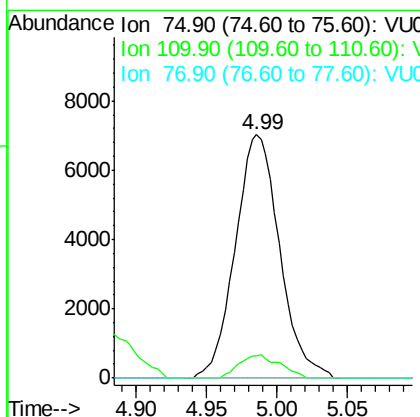
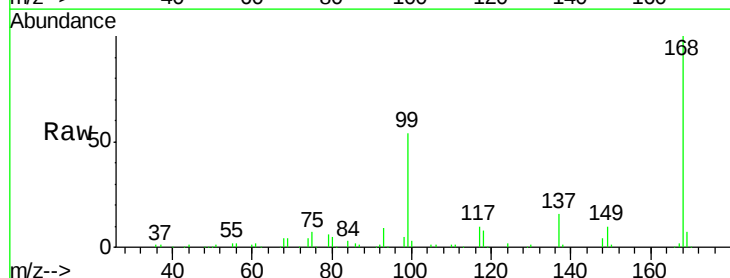
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBL01

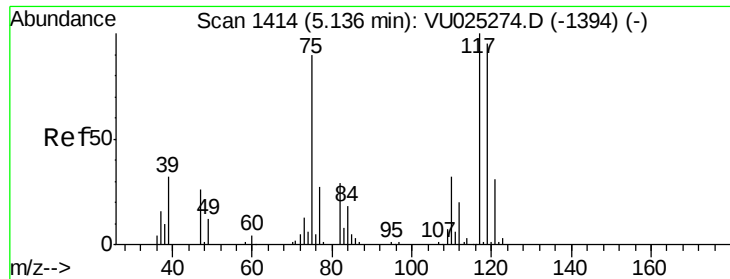
Tot Ion:113 Resp: 126734
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.7 122.5
 192 21.3 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.34 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025333.D
 Acq: 12 Jul 2018 12:08

Tgt Ion: 75 Resp: 15461
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.6 52.9#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.32 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025333.D

Acq: 12 Jul 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBL01

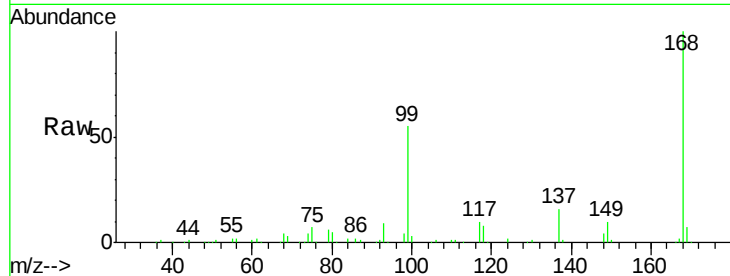
Tot Ion:117 Resp: 20401

Ion Ratio Lower Upper

117 100

119 4.5 75.7 113.5#

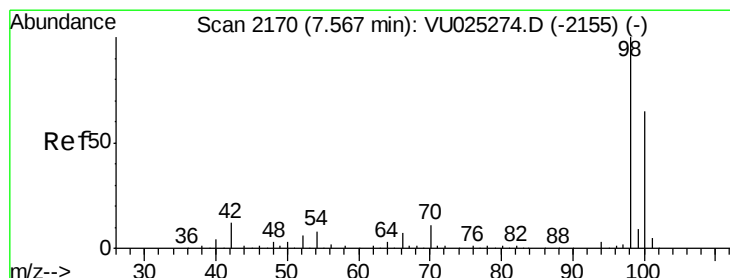
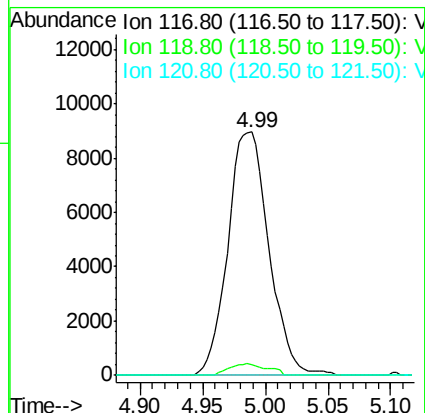
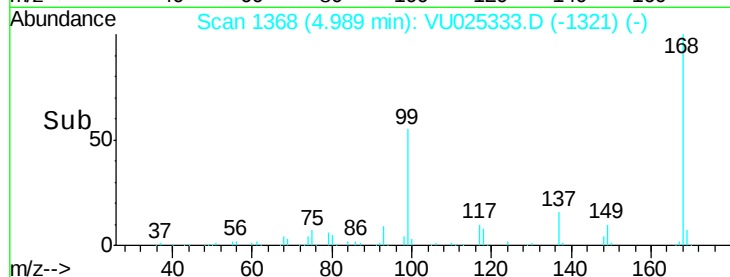
121 0.0 24.6 36.8#



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: 49.60 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025333.D

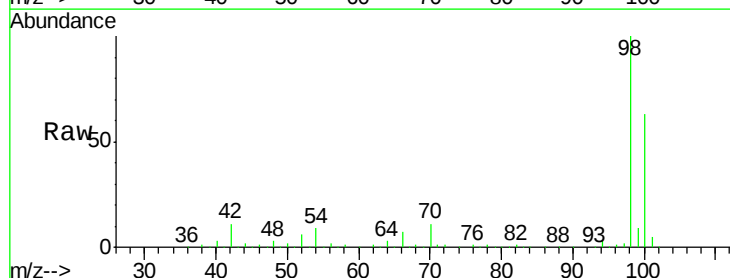
Acq: 12 Jul 2018 12:08

Tgt Ion: 98 Resp: 459623

Ion Ratio Lower Upper

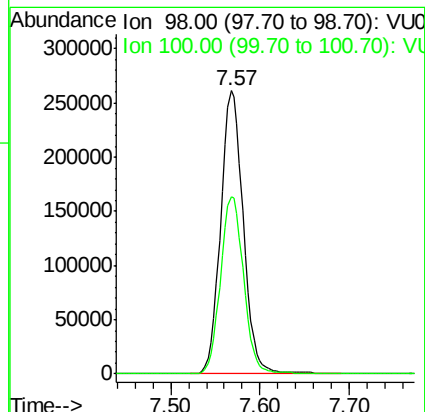
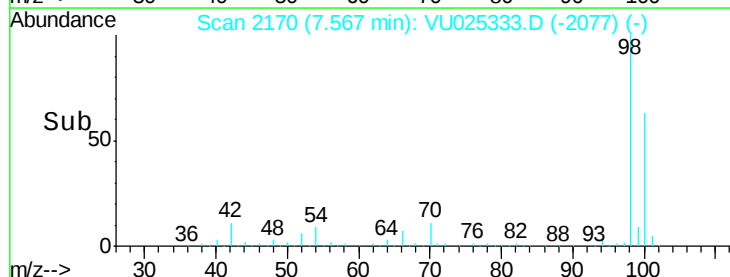
98 100

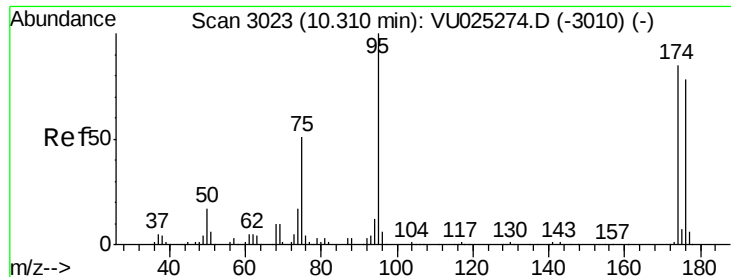
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.26 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025333.D

Acq: 12 Jul 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBL01

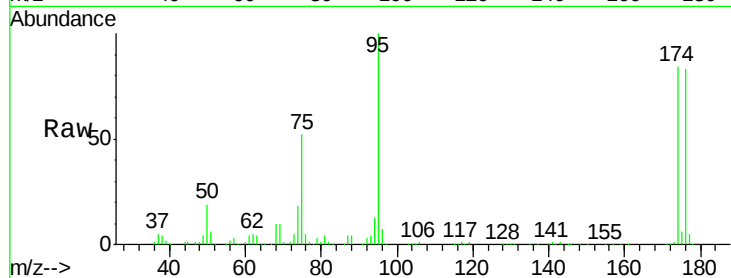
Tot Ion: 95 Resp: 165118

Ion Ratio Lower Upper

95 100

174 85.9 0.0 172.2

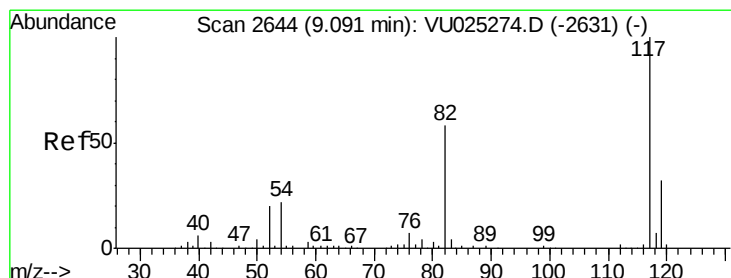
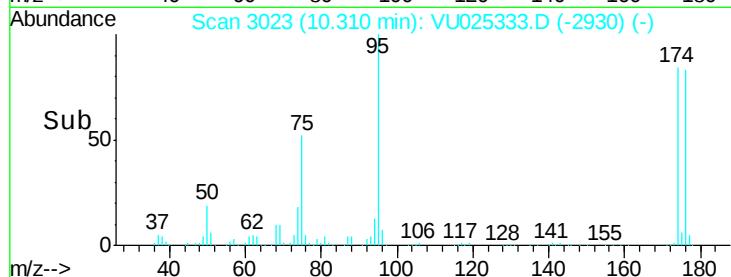
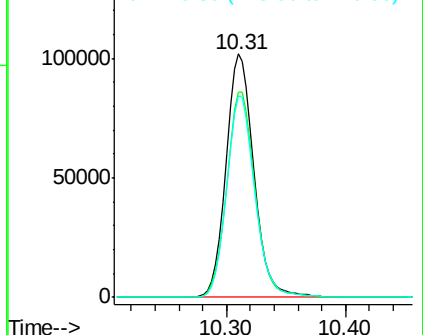
176 83.7 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025274.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025274.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025274.D (-3010) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VU025333.D

Acq: 12 Jul 2018 12:08

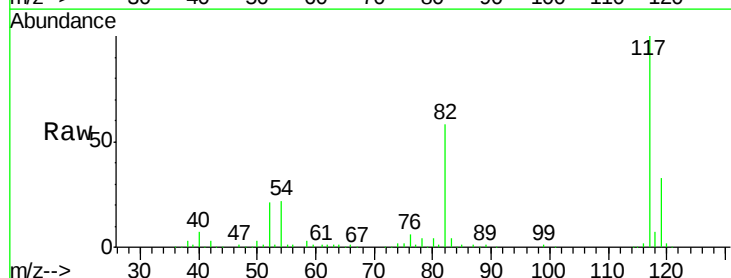
Tgt Ion: 117 Resp: 293181

Ion Ratio Lower Upper

117 100

82 57.5 46.0 69.0

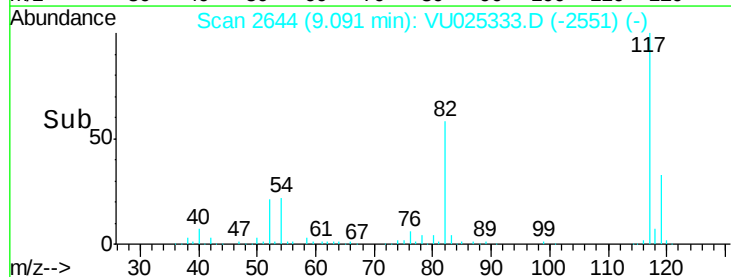
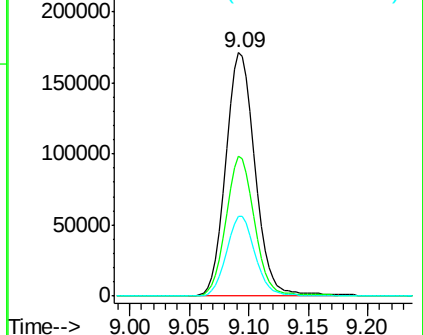
119 32.6 26.0 39.0

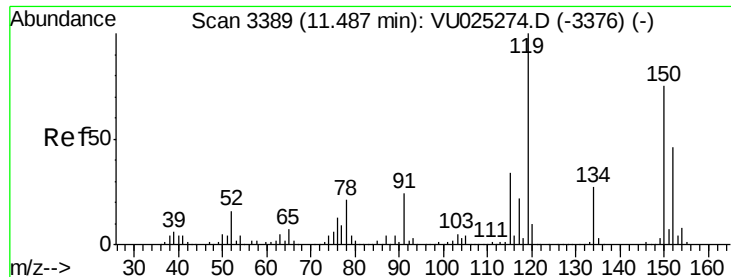


Abundance Ion 116.90 (116.60 to 117.60): VU025274.D (-2631) (-)

Ion 82.00 (81.70 to 82.70): VU025274.D (-2631) (-)

Ion 118.90 (118.60 to 119.60): VU025274.D (-2631) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025333.D

Acq: 12 Jul 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBL01

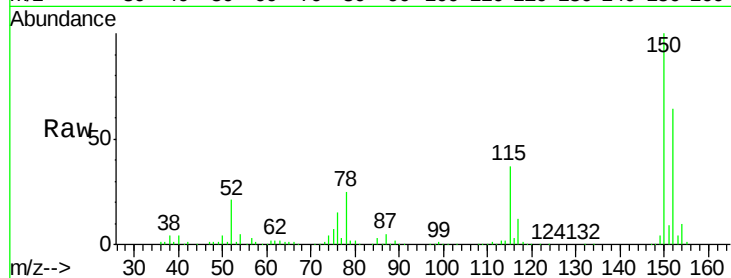
Tot Ion:152 Resp: 149622

Ion Ratio Lower Upper

152 100

115 57.3 40.1 120.3

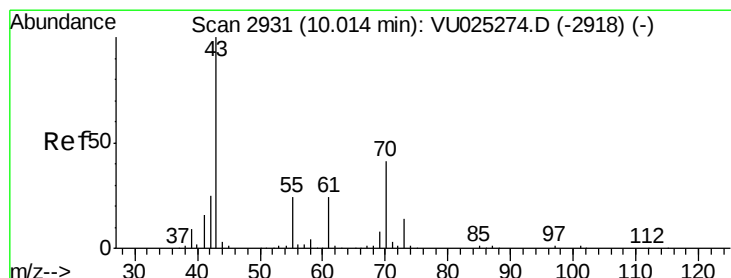
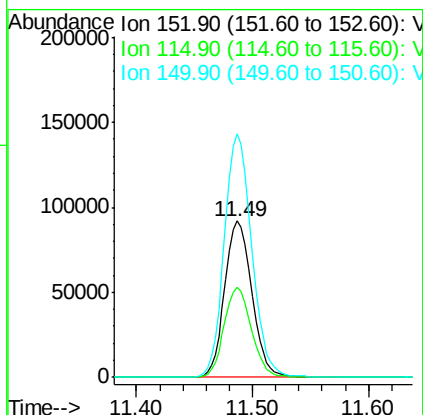
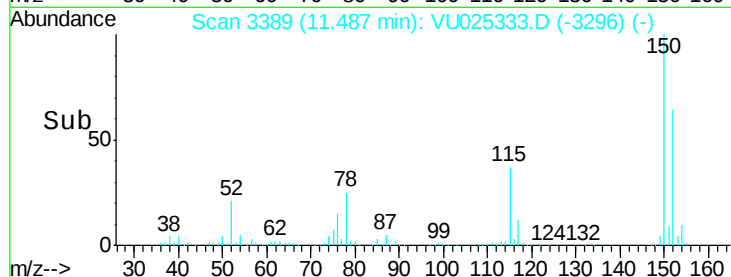
150 156.1 0.0 351.4



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



#74

N-ethyl acetate

Concen: 1.32 ug/l

RT: 10.04 min Scan# 2939

Delta R.T. 0.03 min

Lab File: VU025333.D

Acq: 12 Jul 2018 12:08

Tgt Ion: 43 Resp: 254

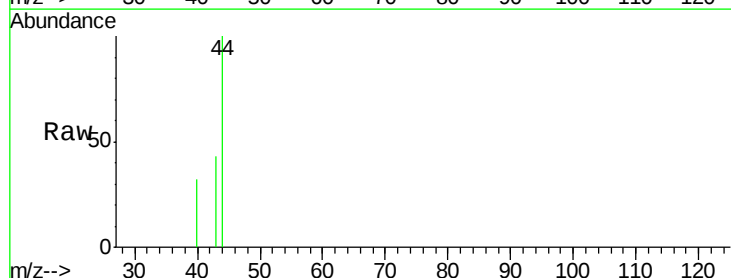
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#

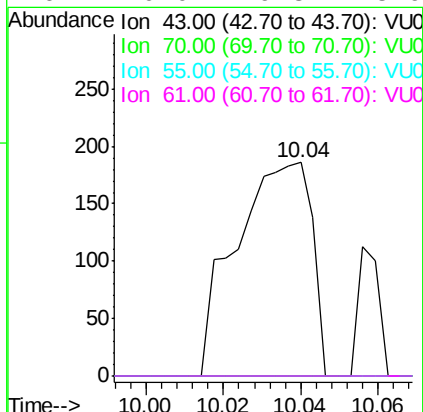
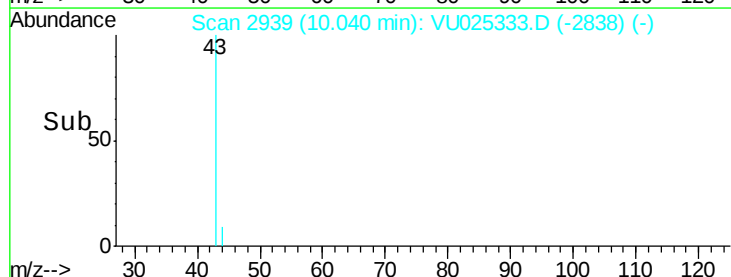


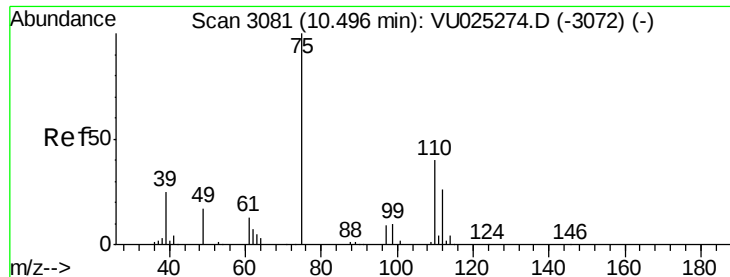
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#76

1,2,3-Trichloropropane

Concen: 28.34 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025333.D

Acq: 12 Jul 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

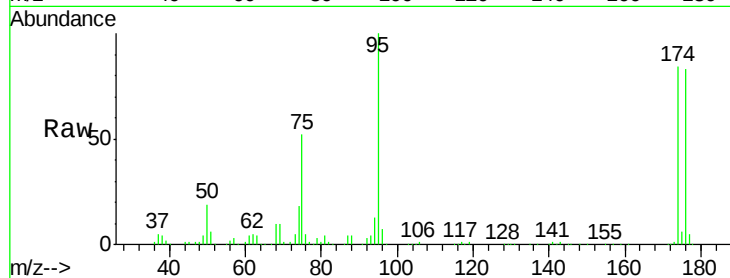
VU0712WBL01

Tot Ion: 75 Resp: 86321

Ion Ratio Lower Upper

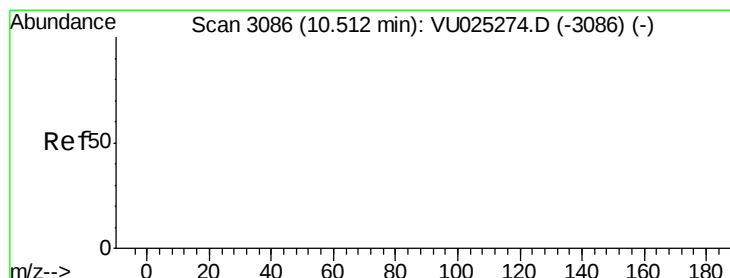
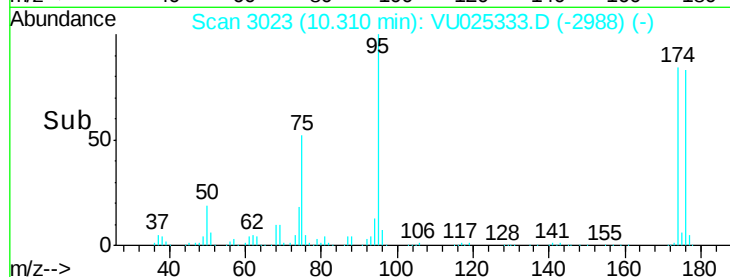
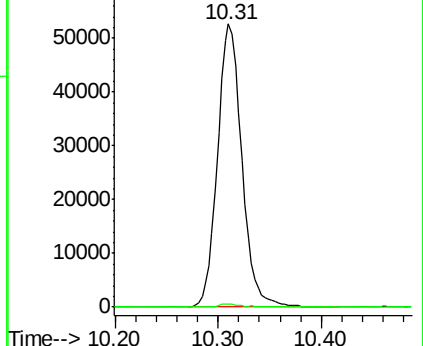
75 100

77 1.1 20.4 61.3#



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: 72.42 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025333.D

Acq: 12 Jul 2018 12:08

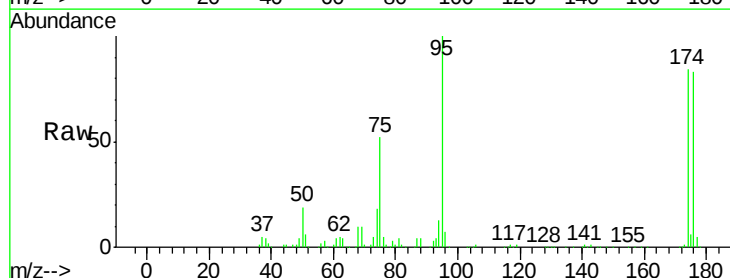
Tgt Ion: 75 Resp: 86321

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

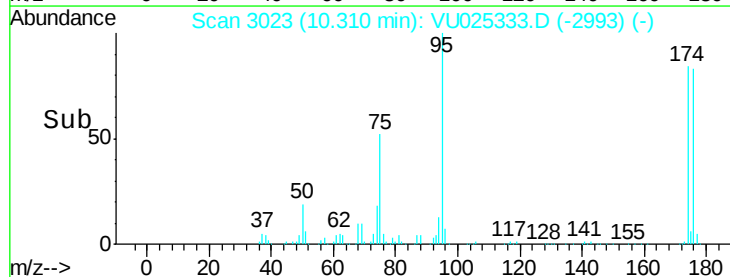
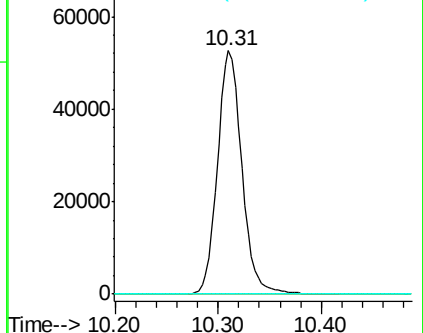
89 0.0 0.0 0.0

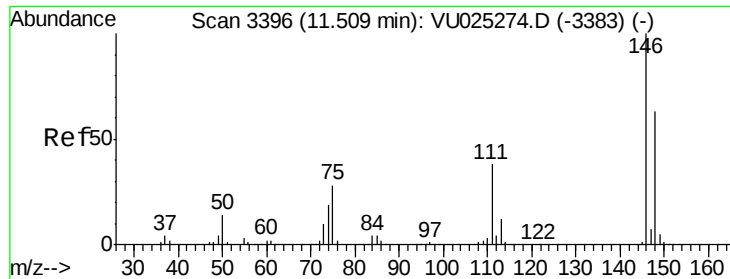


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#88

1,4-Dichlorobenzene

Concen: 1.56 ug/l

RT: 11.50 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VU025333.D

Acq: 12 Jul 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBL01

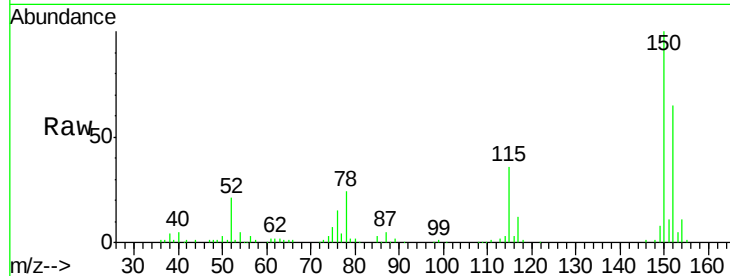
Tot Ion:146 Resp: 415

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.1#

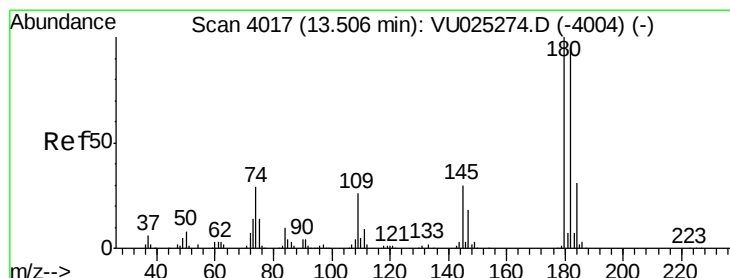
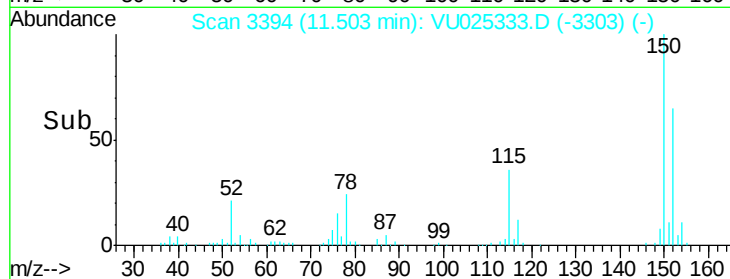
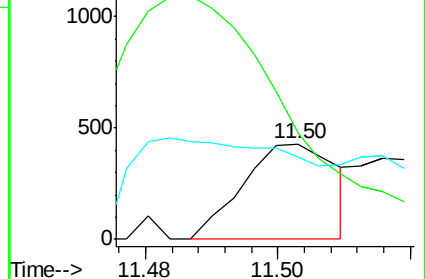
148 0.0 31.7 95.1#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 3.66 ug/l

RT: 13.52 min Scan# 4020

Delta R.T. 0.01 min

Lab File: VU025333.D

Acq: 12 Jul 2018 12:08

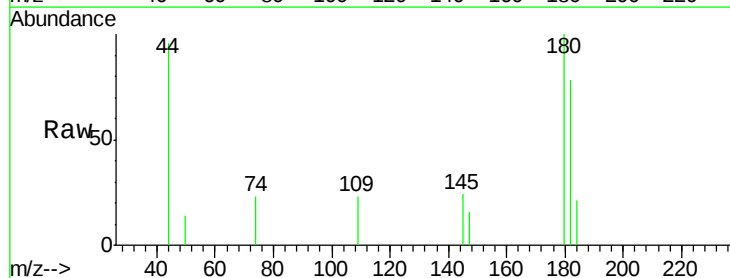
Tgt Ion:180 Resp: 1457

Ion Ratio Lower Upper

180 100

182 84.8 47.3 141.9

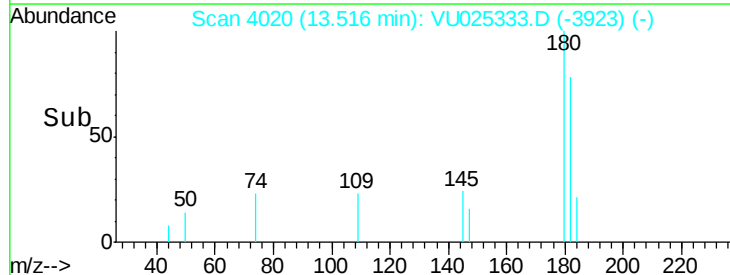
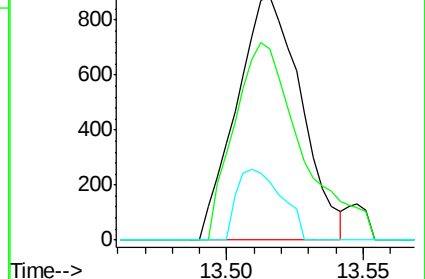
145 20.2 14.9 44.7

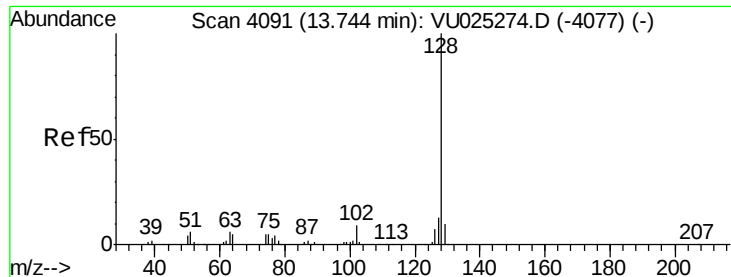


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

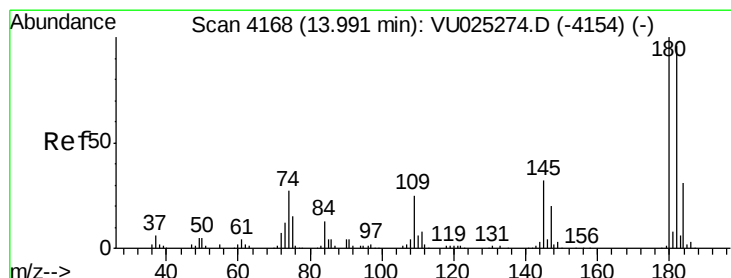
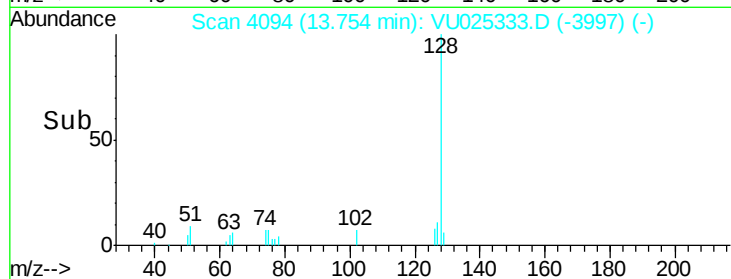
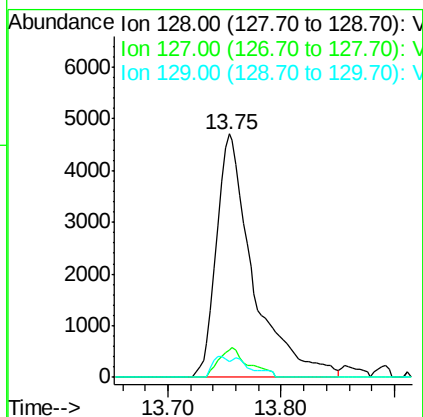
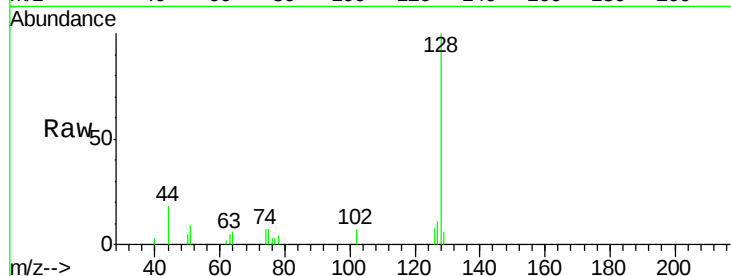




#95
Naphthalene
Concen: 3.33 ug/l
RT: 13.75 min Scan# 4094
Delta R.T. 0.01 min
Lab File: VU025333.D
Acq: 12 Jul 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.6	10.5	15.7#
129	3.6	8.3	12.5#



#96
1,2,3-Trichlorobenzene
Concen: 2.99 ug/l
RT: 13.99 min Scan# 4169
Delta R.T. 0.00 min
Lab File: VU025333.D
Acq: 12 Jul 2018 12:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	111.1	47.8	143.3
145	23.6	15.6	46.8

