

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025360.D
 Acq On : 13 Jul 2018 00:24
 Operator : MD/SY
 Sample : VU0712WBL02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBL02

Quant Time: Jul 13 04:34:52 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	193711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	293433	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	271200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	138225	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	148666	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	4.89	113	112973	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	
50) Toluene-d8	7.57	98	422432	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	10.31	95	154314	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

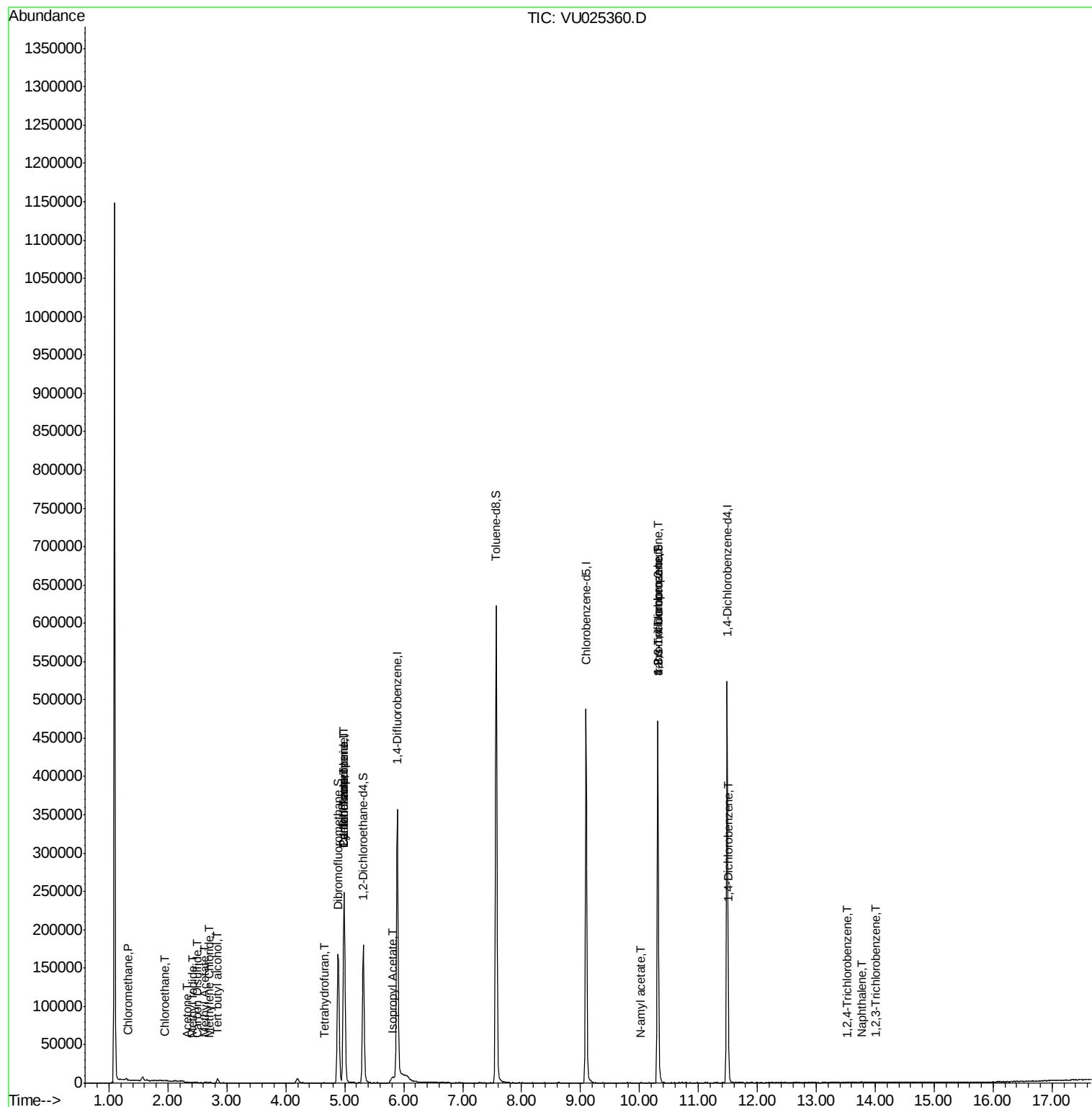
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	379	0.75	ug/l	98
5) Bromomethane	1.63	94	357	Below Cal		90
6) Chloroethane	1.95	64	21	0.31	ug/l #	43
10) Methyl Iodide	2.42	142	209	7.78	ug/l #	49
11) Tert butyl alcohol	2.84	59	3627	5.52	ug/l #	73
16) Acetone	2.32	43	895	5.44	ug/l	92
17) Carbon Disulfide	2.48	76	629	2.04	ug/l #	74
18) Methyl Acetate	2.62	43	1719	0.56	ug/l #	88
20) Methylene Chloride	2.71	84	337	0.83	ug/l #	69
29) Tetrahydrofuran	4.65	42	338	0.27	ug/l #	32
31) Cyclohexane	4.99	56	3885	1.75	ug/l #	13
36) 1,1-Dichloropropene	4.99	75	13470	4.13	ug/l #	49
38) Carbon Tetrachloride	4.99	117	18563	5.29	ug/l #	17
43) Isopropyl Acetate	5.81	43	5964	1.02	ug/l #	61
74) N-amyl acetate	10.03	43	193	1.31	ug/l #	43
76) 1,2,3-Trichloropropane	10.31	75	79830	28.36	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	79830	72.49	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	592	1.61	ug/l #	25
93) 1,2,4-Trichlorobenzene	13.52	180	280	3.36	ug/l #	42
95) Naphthalene	13.77	128	2015	2.60	ug/l #	78
96) 1,2,3-Trichlorobenzene	14.00	180	368	2.63	ug/l	85

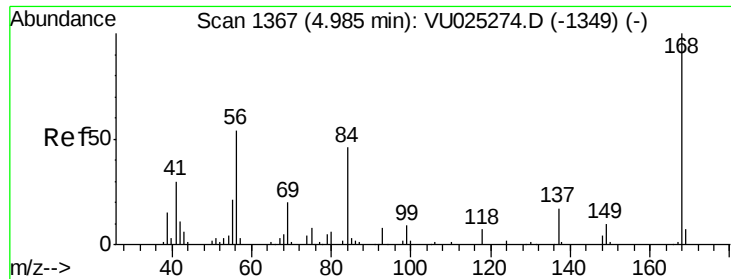
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071218\
Data File : VU025360.D
Acq On : 13 Jul 2018 00:24
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Quant Time: Jul 13 04:34:52 2018
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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: VU025360.D

Acq: 13 Jul 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

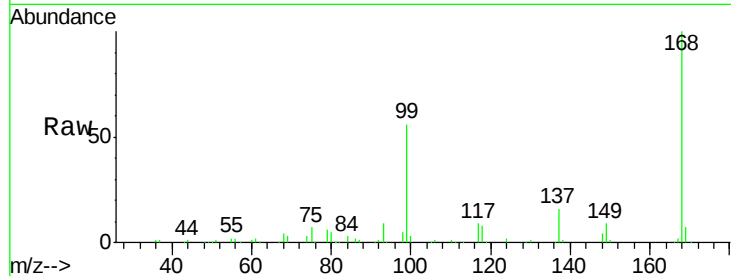
VU0712WBL02

Tot Ion:168 Resp: 193711

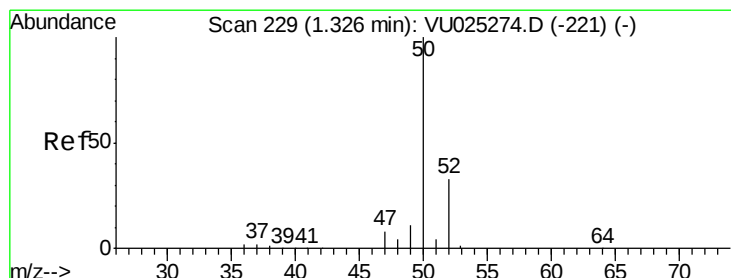
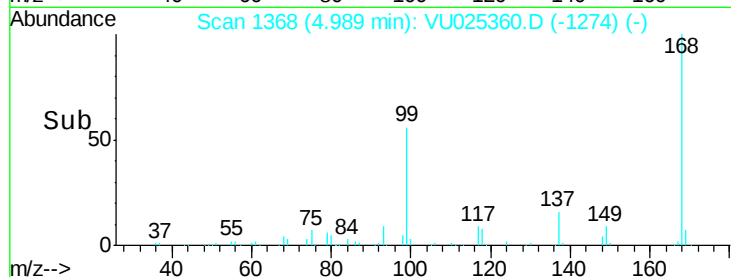
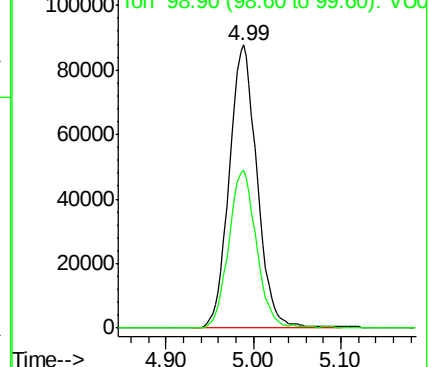
Ion Ratio Lower Upper

168 100

99 55.6 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025360.D (-1274) (-)



#3

Chloromethane

Concen: 0.75 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.00 min

Lab File: VU025360.D

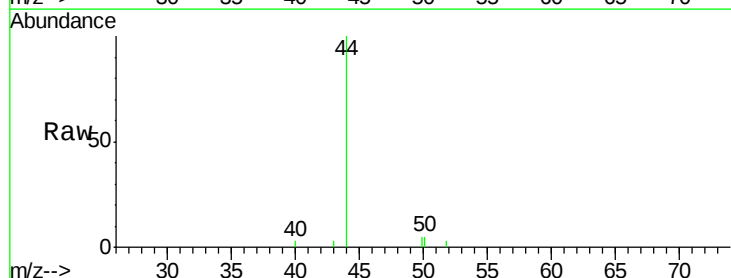
Acq: 13 Jul 2018 00:24

Tgt Ion: 50 Resp: 379

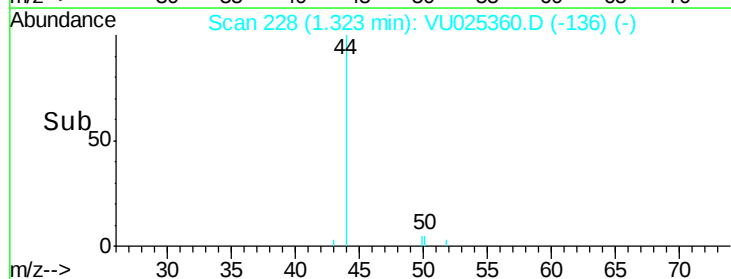
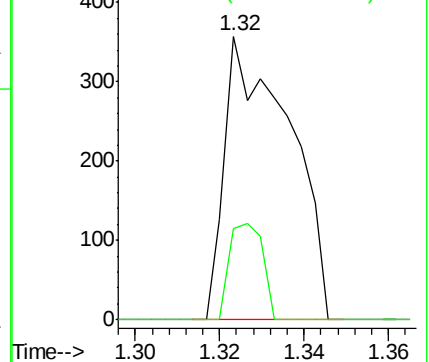
Ion Ratio Lower Upper

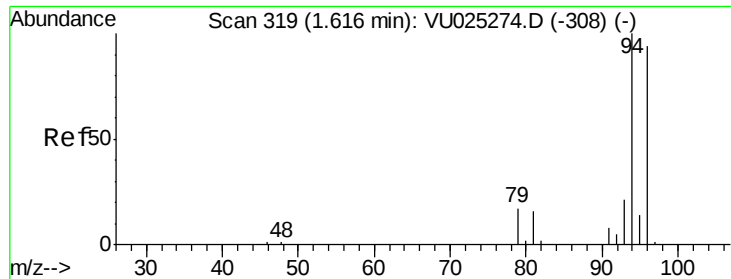
50 100

52 32.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025360.D (-136) (-)

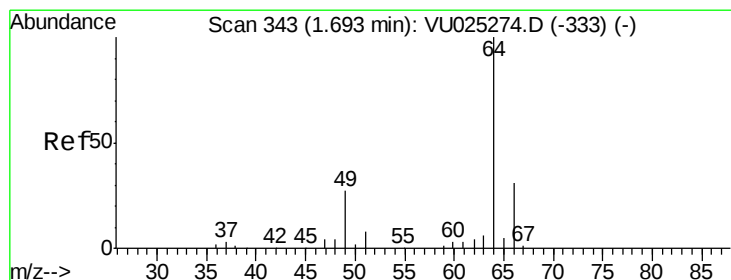
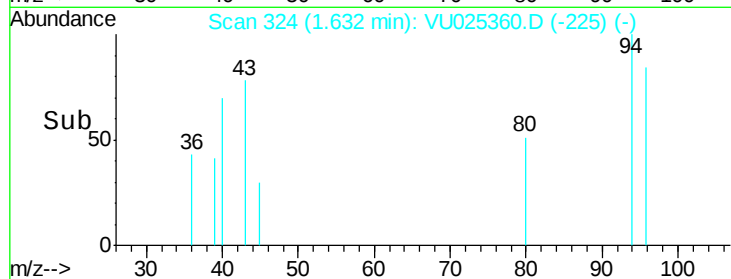
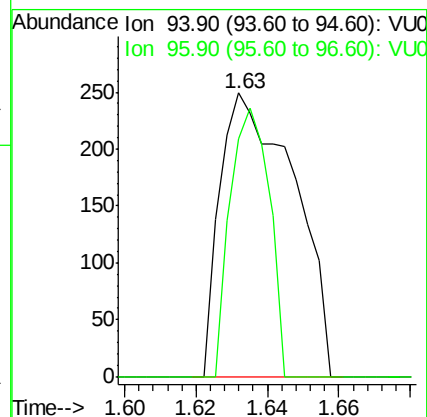
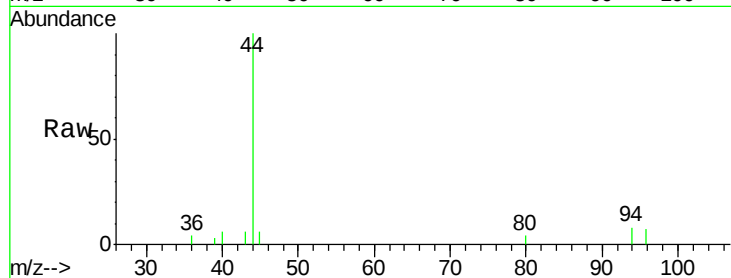




#5
Bromomethane
Concen: Below Cal
RT: 1.63 min Scan# 324
Delta R.T. 0.02 min
Lab File: VU025360.D
Acq: 13 Jul 2018 00:24

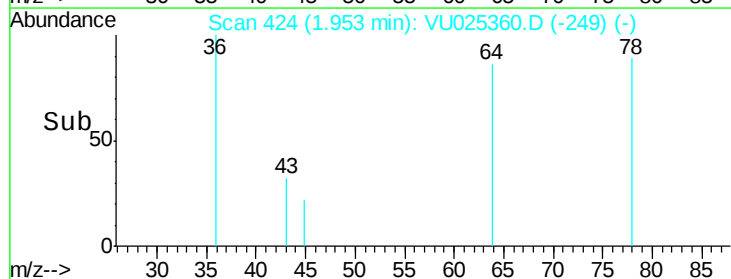
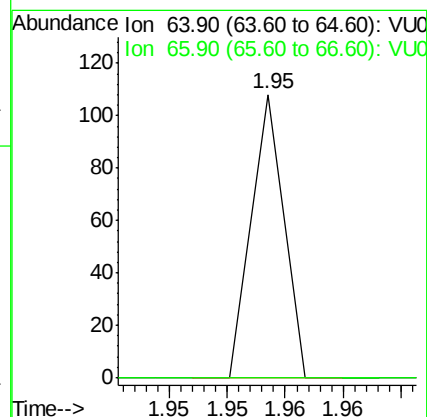
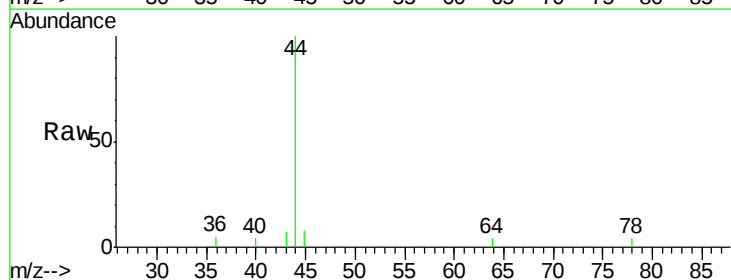
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBL02

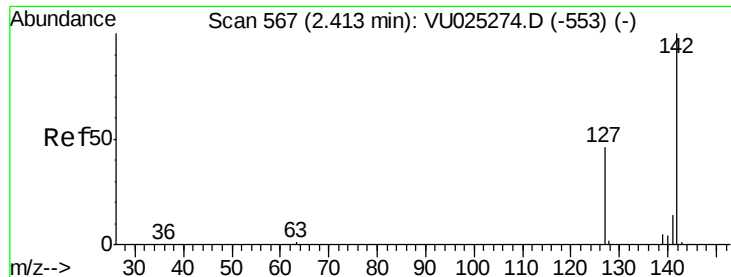
Tot Ion: 94 Resp: 357
Ion Ratio Lower Upper
94 100
96 83.9 75.0 112.4



#6
Chloroethane
Concen: 0.31 ug/l
RT: 1.95 min Scan# 424
Delta R.T. 0.26 min
Lab File: VU025360.D
Acq: 13 Jul 2018 00:24

Tgt Ion: 64 Resp: 21
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

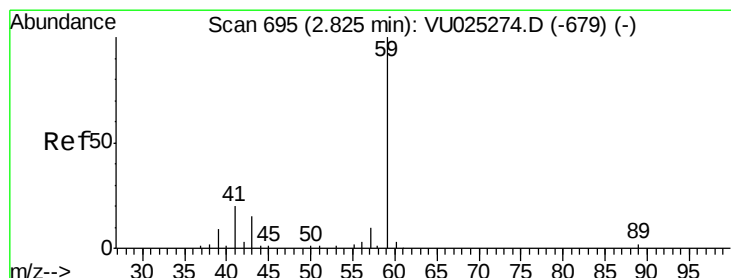
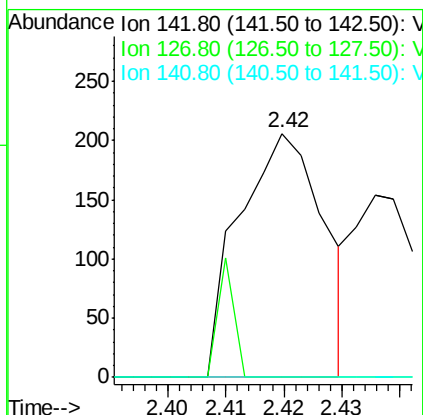
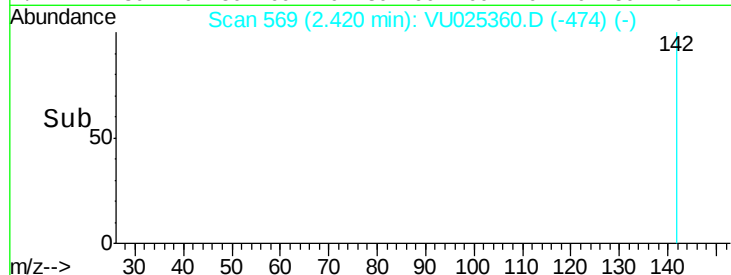
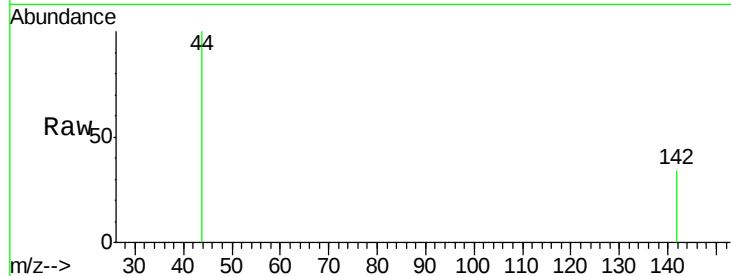




#10
Methvl Iodide
Concen: 7.78 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU025360.D
Acq: 13 Jul 2018 00:24

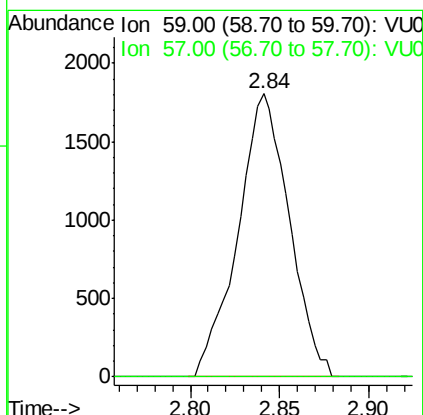
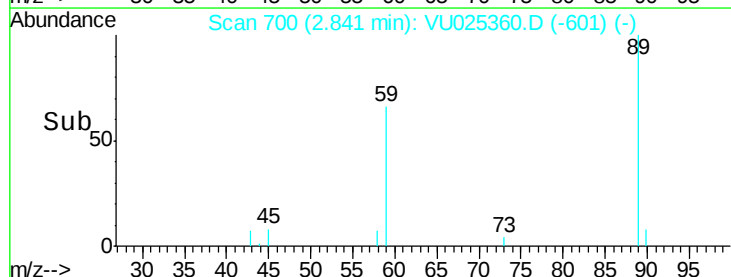
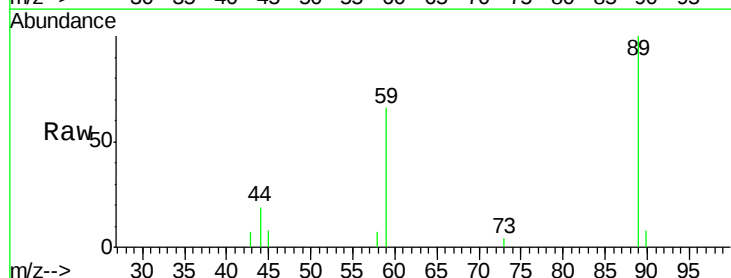
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBL02

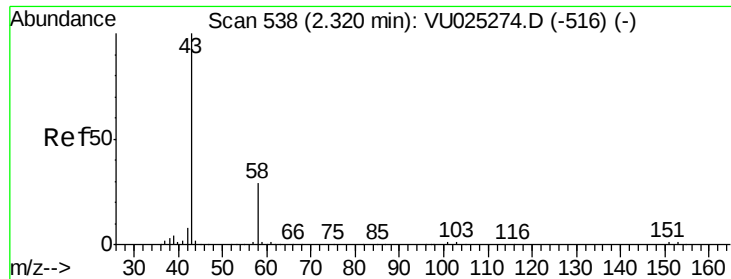
Tot Ion:142 Resp: 209
Ion Ratio Lower Upper
142 100
127 9.1 36.5 54.7#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 5.52 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU025360.D
Acq: 13 Jul 2018 00:24

Tgt Ion: 59 Resp: 3627
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 5.44 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

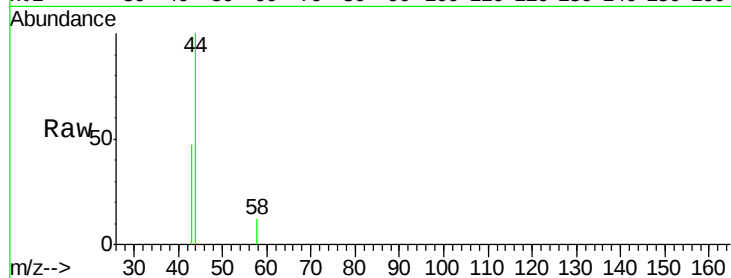
VU0712WBL02

Tot Ion: 43 Resp: 895

Ion Ratio Lower Upper

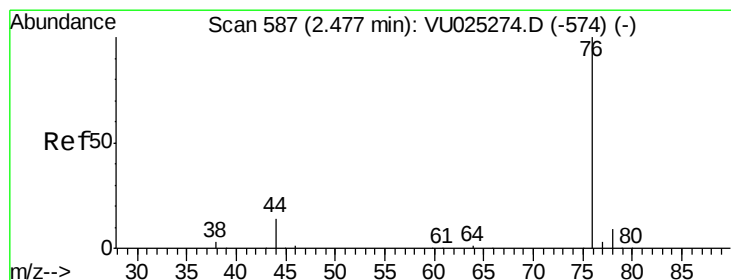
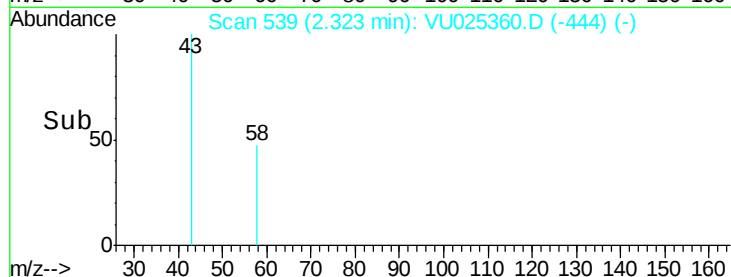
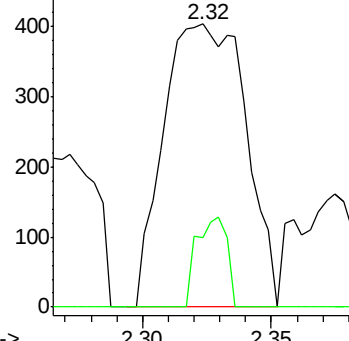
43 100

58 24.8 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 2.04 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU025360.D

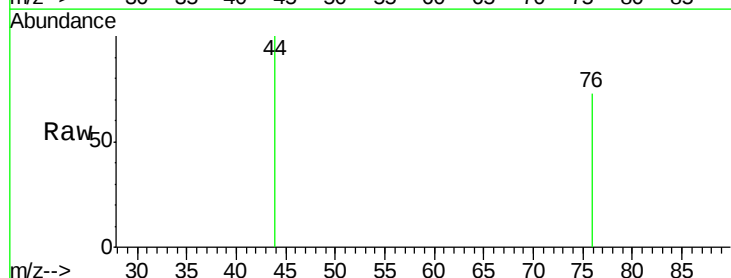
Acq: 13 Jul 2018 00:24

Tgt Ion: 76 Resp: 629

Ion Ratio Lower Upper

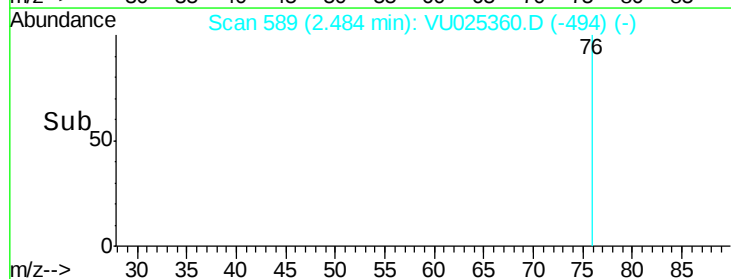
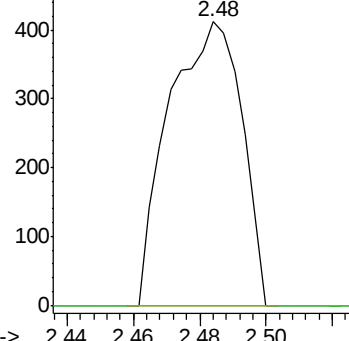
76 100

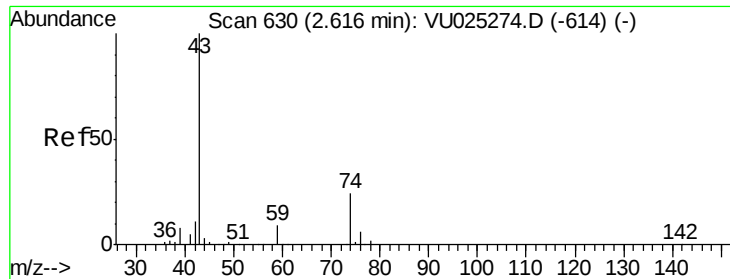
78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0





#18

Methyl Acetate

Concen: 0.56 ug/l

RT: 2.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

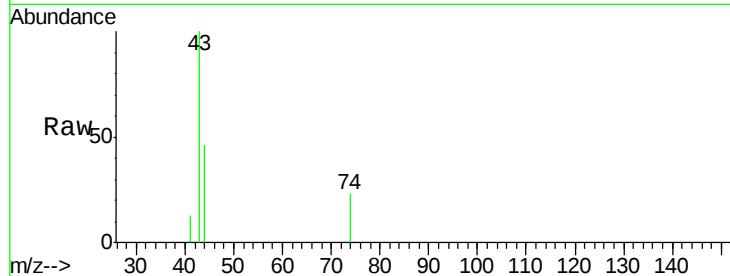
VU0712WBL02

Tot Ion: 43 Resp: 1719

Ion Ratio Lower Upper

43 100

74 17.3 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

800

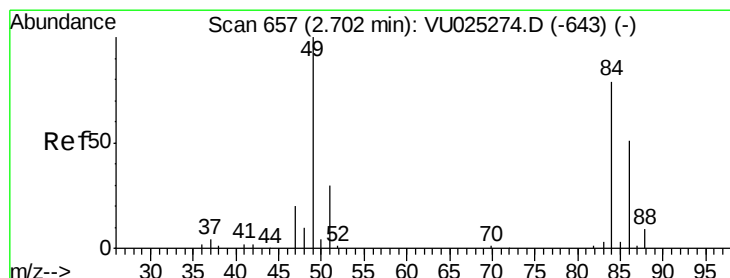
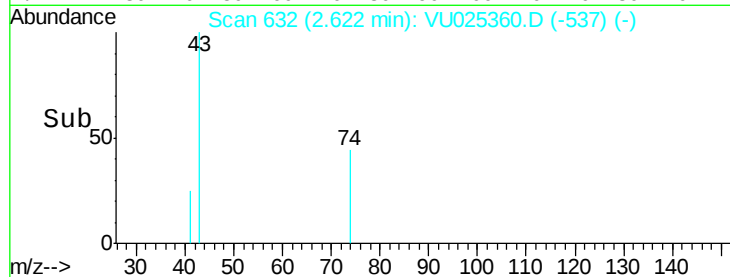
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 0.83 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

Tgt Ion: 84 Resp: 337

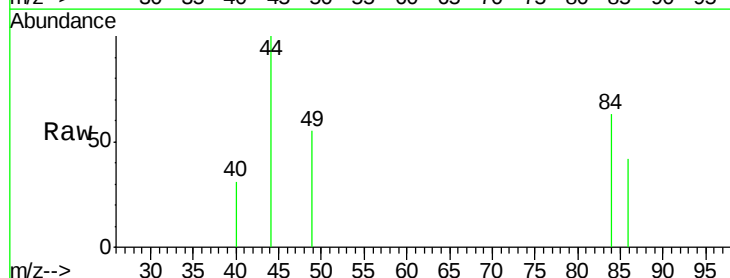
Ion Ratio Lower Upper

84 100

49 87.1 101.8 152.6#

51 0.0 30.8 46.2#

86 67.2 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

400

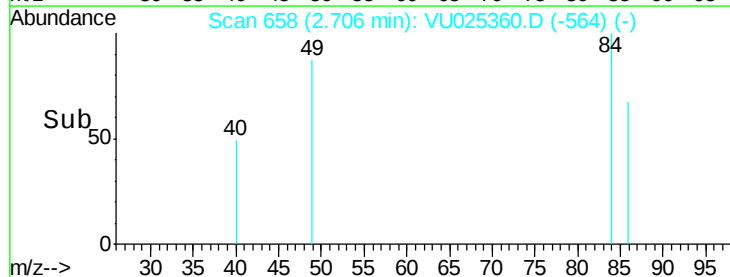
300

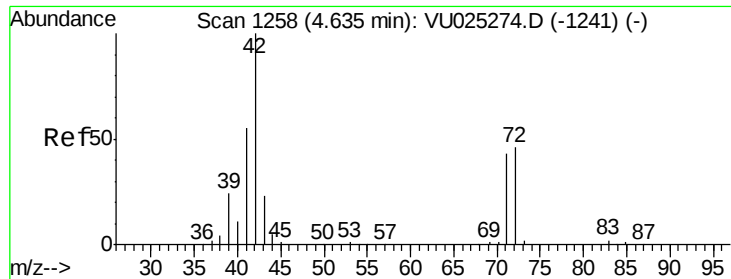
200

100

0

Time-->

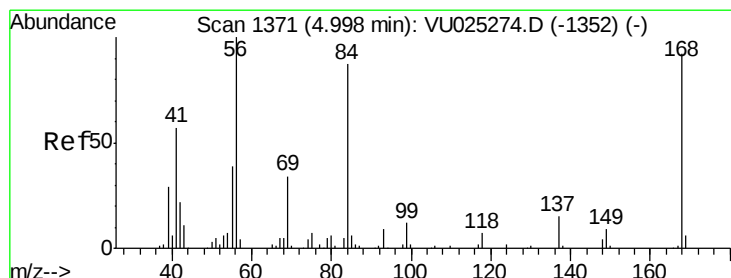
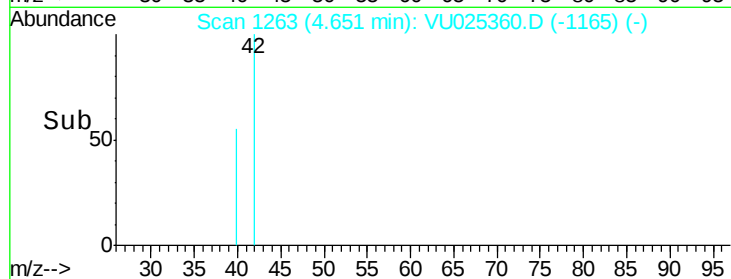
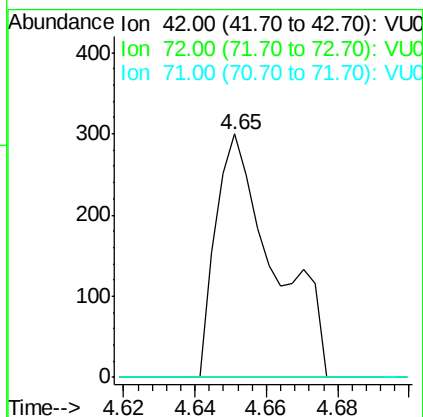
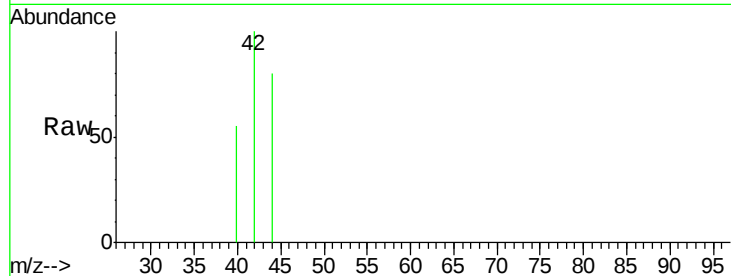




#29
Tetrahydrofuran
Concen: 0.27 ug/l
RT: 4.65 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VU025360.D
Acq: 13 Jul 2018 00:24

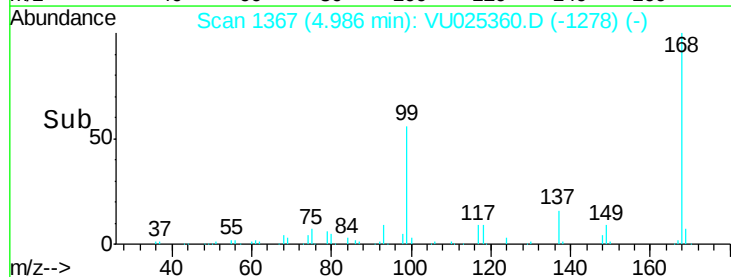
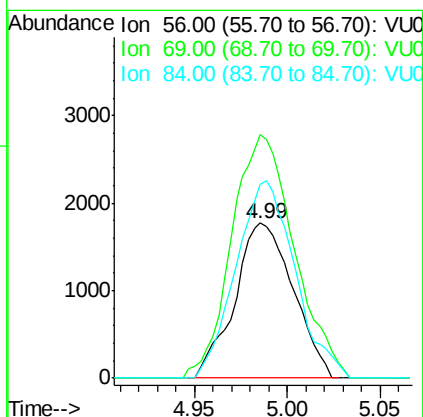
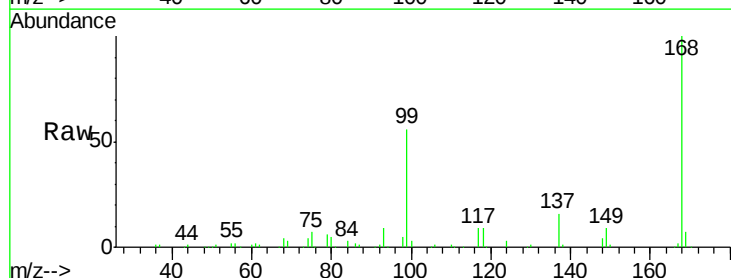
Instrument :
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VU0712WBL02

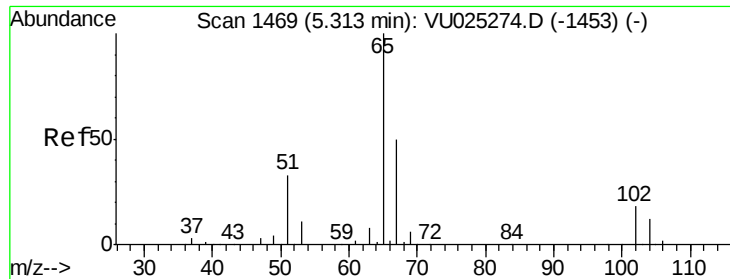
Tot Ion: 42 Resp: 338
Ion Ratio Lower Upper
42 100
72 0.0 36.7 55.1#
71 0.0 33.9 50.9#



#31
Cyclohexane
Concen: 1.75 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VU025360.D
Acq: 13 Jul 2018 00:24

Tgt Ion: 56 Resp: 3885
Ion Ratio Lower Upper
56 100
69 150.8 26.8 40.2#
84 125.3 69.7 104.5#





#33

1,2-Dichloroethane-d4

Concen: 49.40 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

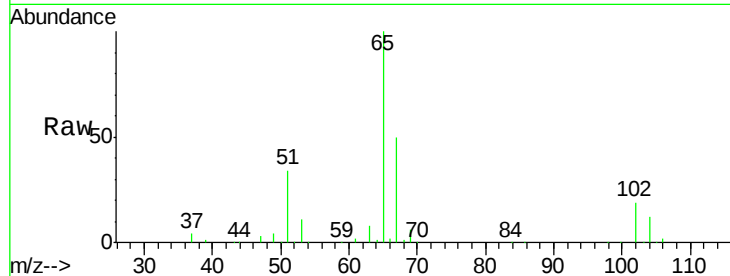
VU0712WBL02

Tot Ion: 65 Resp: 148666

Ion Ratio Lower Upper

65 100

67 49.2 0.0 103.6

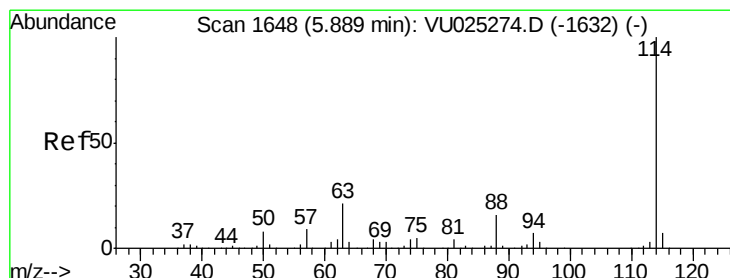
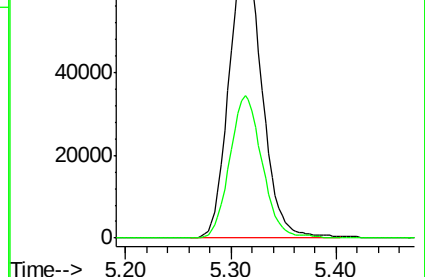
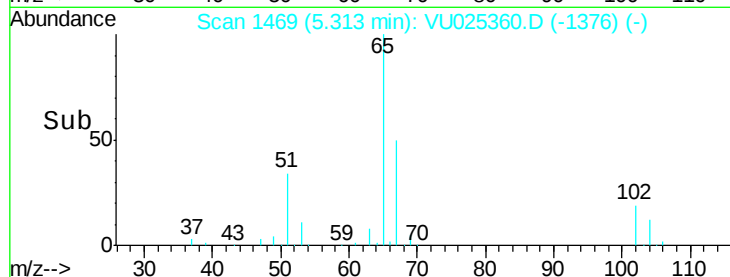


Abundance Ion 64.90 (64.60 to 65.60): VU025274.D (-1453) (-)

Ion 66.90 (66.60 to 67.60): VU025274.D (-1453) (-)

5.31

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

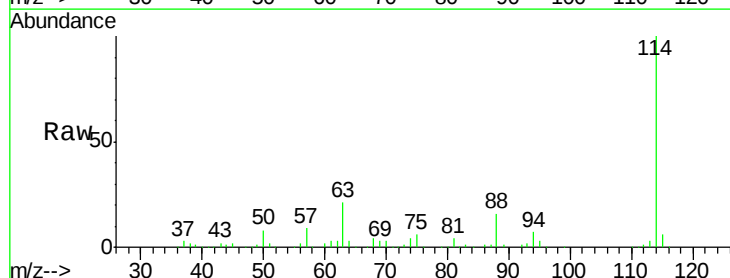
Tgt Ion: 114 Resp: 293433

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.6

88 15.6 0.0 32.4



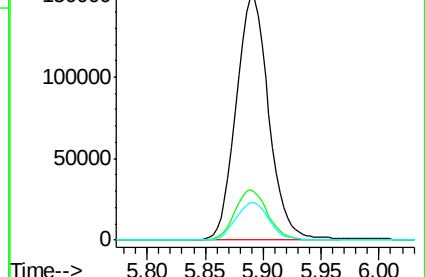
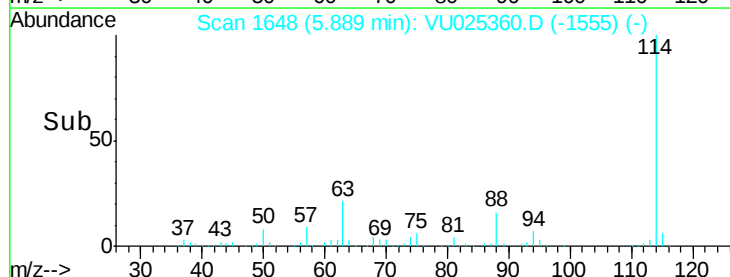
Abundance Ion 113.90 (113.60 to 114.60): VU025274.D (-1632) (-)

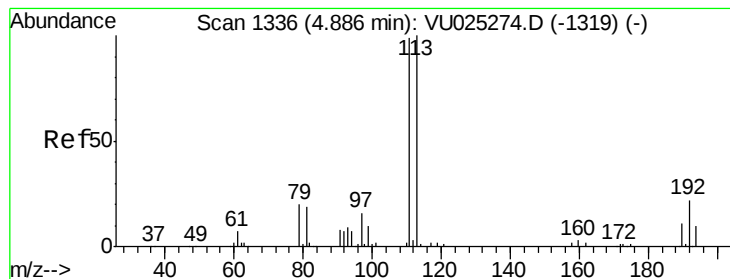
Ion 63.00 (62.70 to 63.70): VU025274.D (-1632) (-)

Ion 87.90 (87.60 to 88.60): VU025274.D (-1632) (-)

5.89

Time-->





#35

Dibromofluoromethane

Concen: 45.64 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBL02

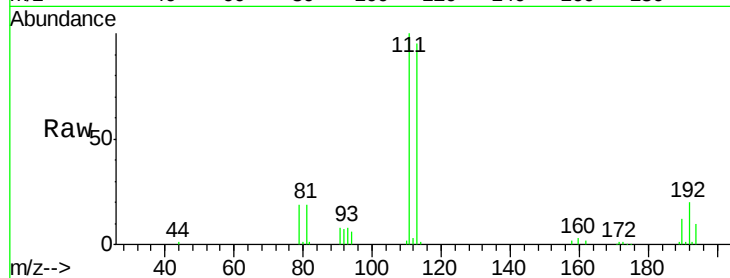
Tot Ion:113 Resp: 112973

Ion Ratio Lower Upper

113 100

111 102.2 81.7 122.5

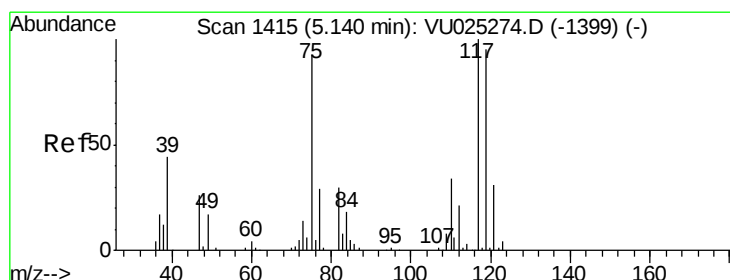
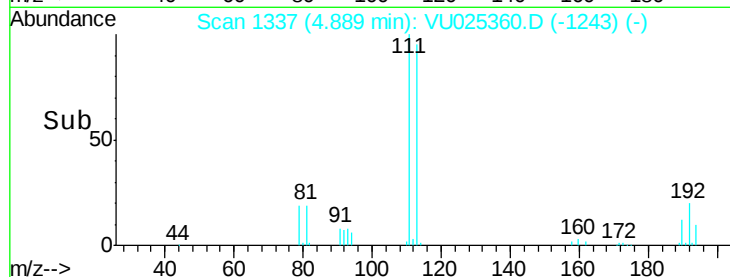
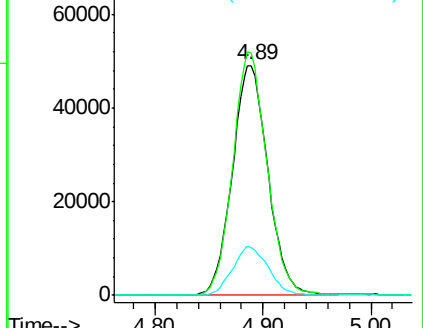
192 21.2 17.1 25.7



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: 4.13 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

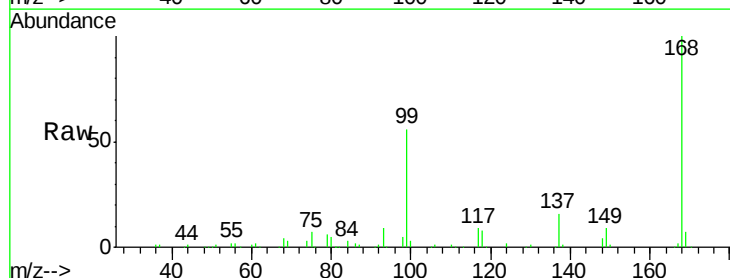
Tgt Ion: 75 Resp: 13470

Ion Ratio Lower Upper

75 100

110 8.3 17.6 52.9#

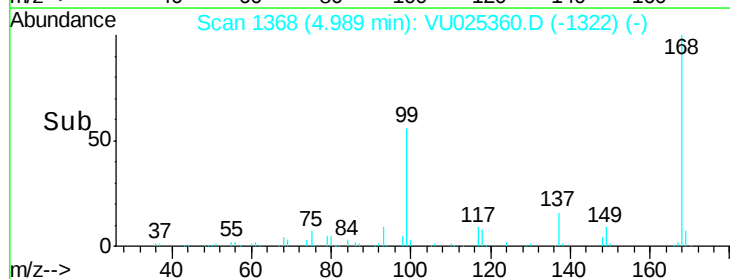
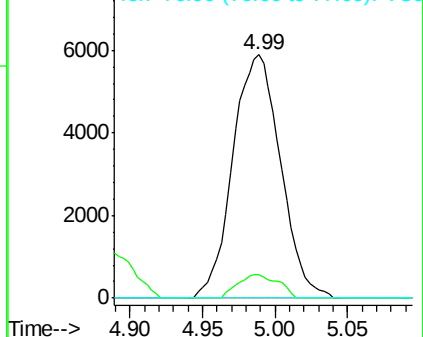
77 0.0 24.4 36.6#

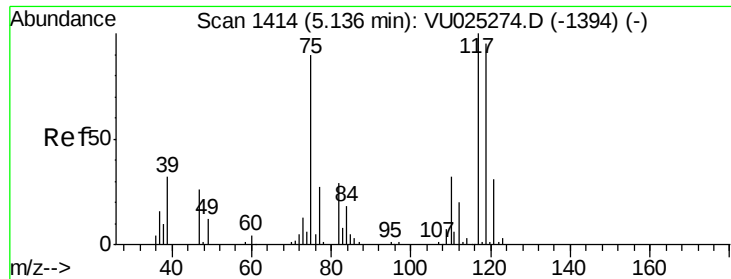


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.29 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBL02

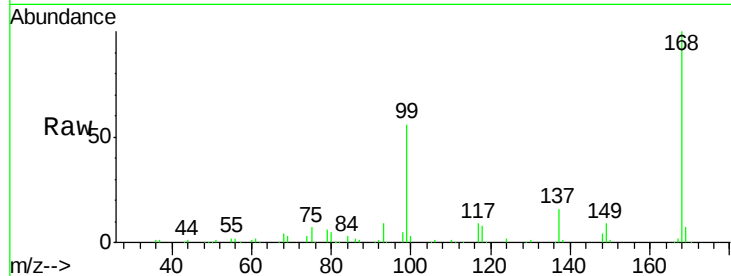
Tot Ion:117 Resp: 18563

Ion Ratio Lower Upper

117 100

119 5.1 75.7 113.5#

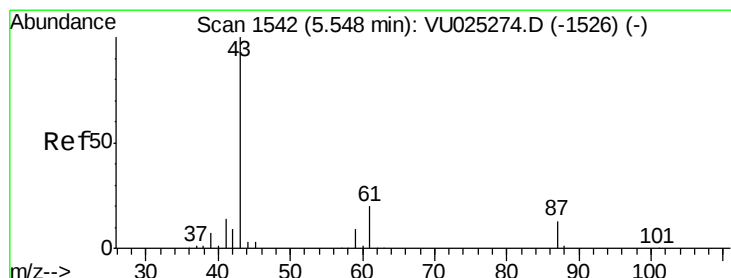
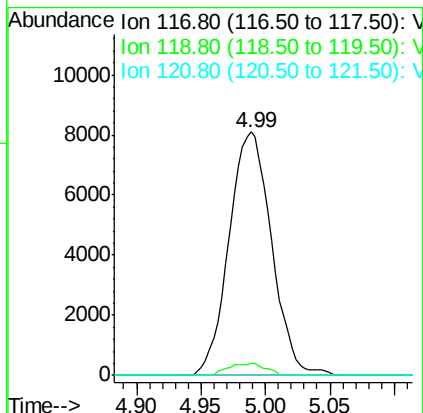
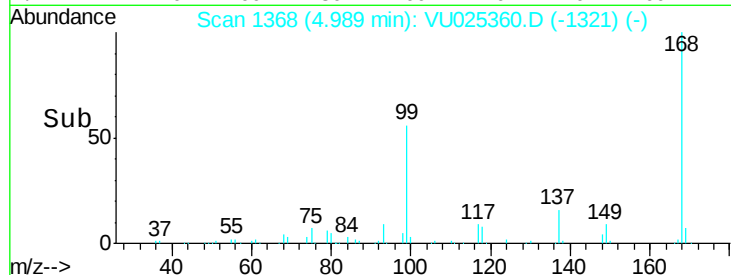
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 1.02 ug/l

RT: 5.81 min Scan# 1623

Delta R.T. 0.26 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

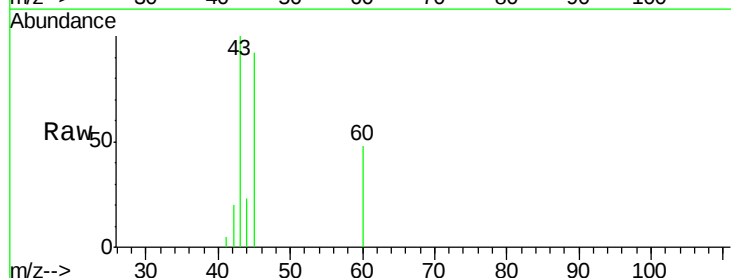
Tgt Ion: 43 Resp: 5964

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

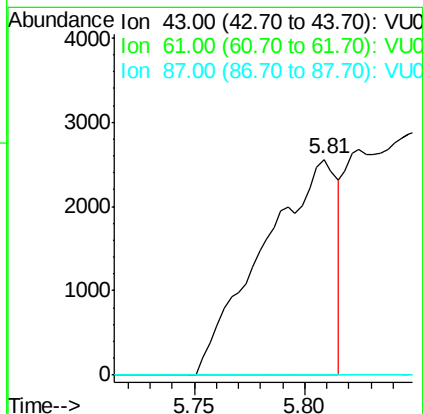
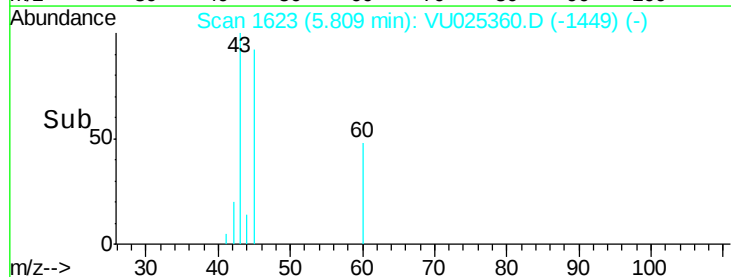
87 0.0 10.6 16.0#

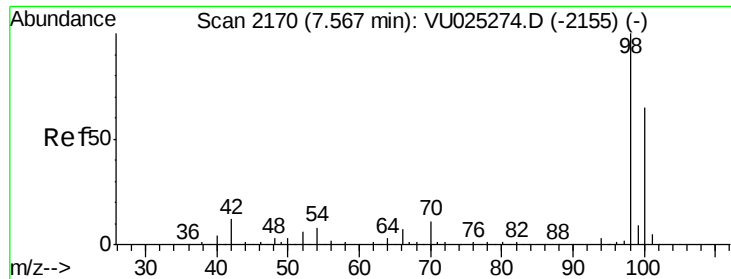


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#50

Toluene-d8

Concen: 49.84 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

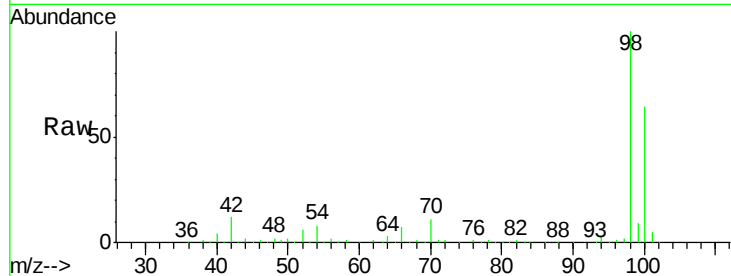
VU0712WBL02

Tot Ion: 98 Resp: 422432

Ion Ratio Lower Upper

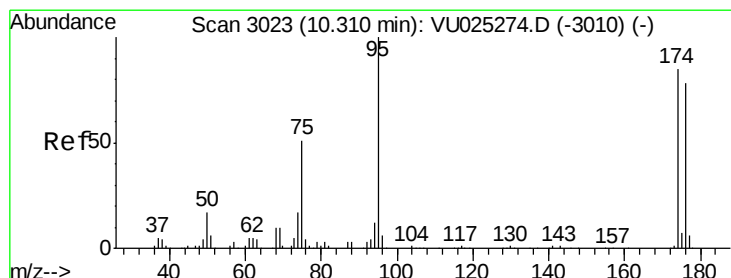
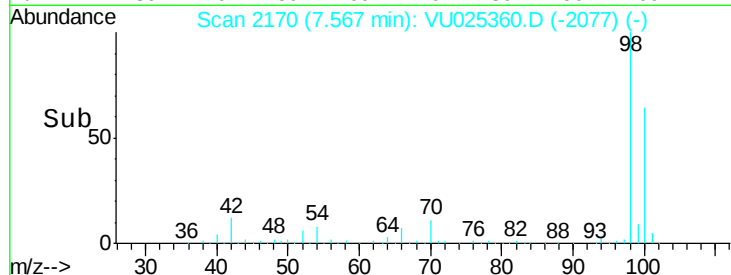
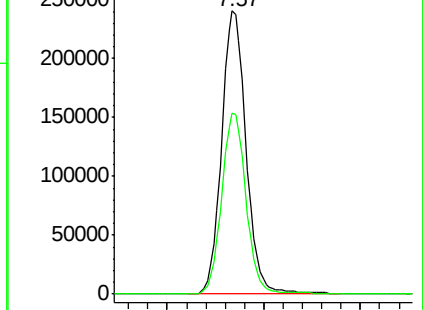
98 100

100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025274.D (-2155) (-)

Ion 100.00 (99.70 to 100.70): VU025274.D (-2155) (-)



#62

4-Bromofluorobenzene

Concen: 45.22 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

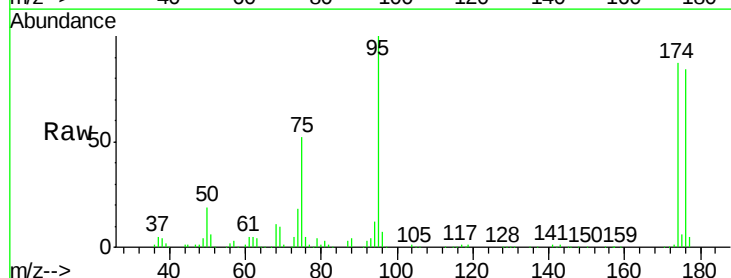
Tgt Ion: 95 Resp: 154314

Ion Ratio Lower Upper

95 100

174 86.4 0.0 172.2

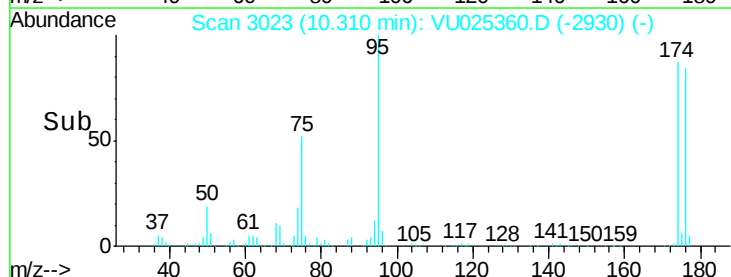
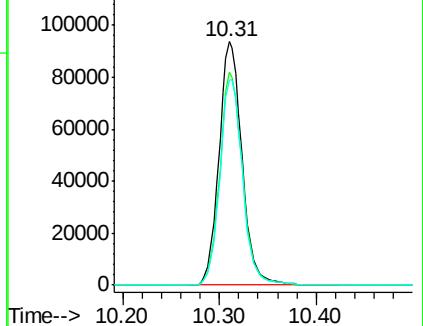
176 83.8 0.0 162.6

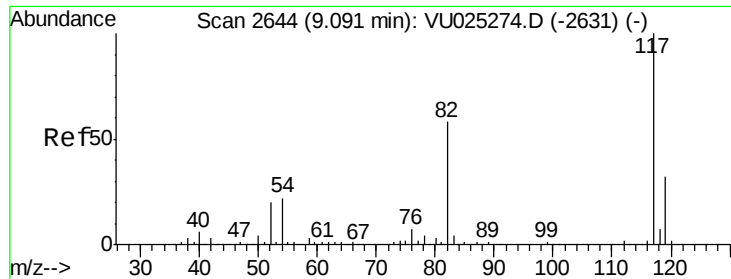


Abundance Ion 94.90 (94.60 to 95.60): VU025274.D (-3010) (-)

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

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

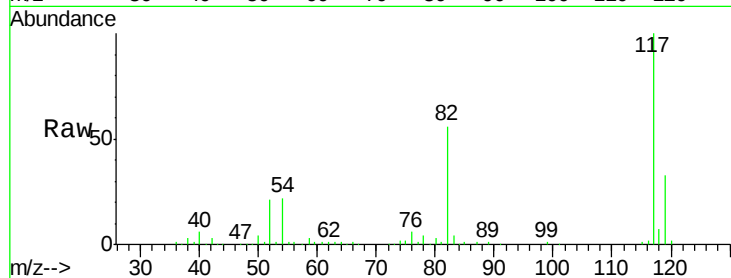




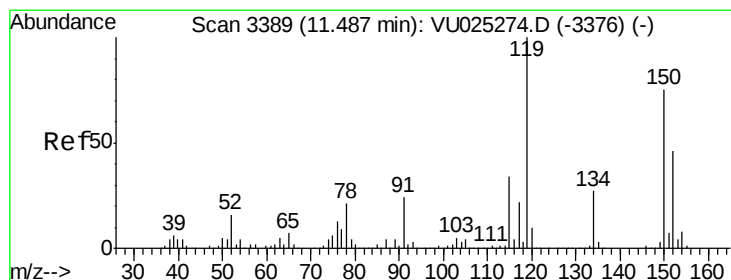
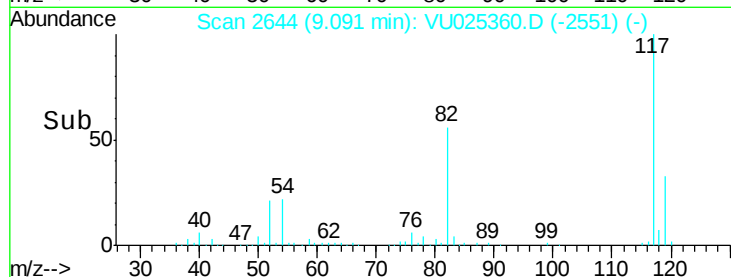
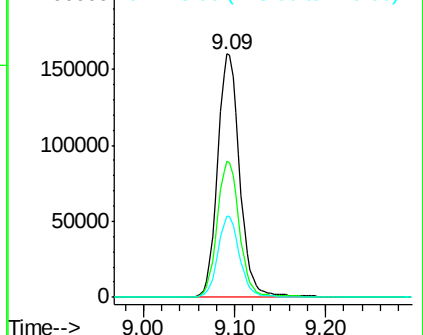
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025360.D
Acq: 13 Jul 2018 00:24

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBL02

Tot Ion:117 Resp: 271200
Ion Ratio Lower Upper
117 100
82 56.1 46.0 69.0
119 33.5 26.0 39.0

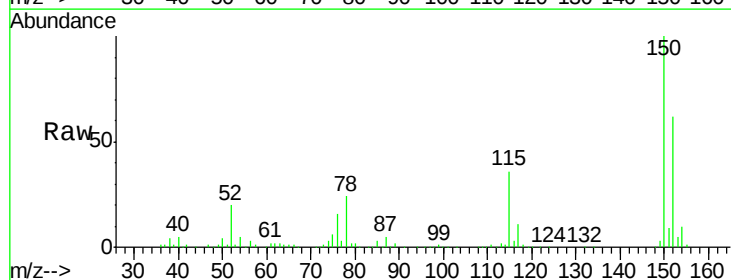


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

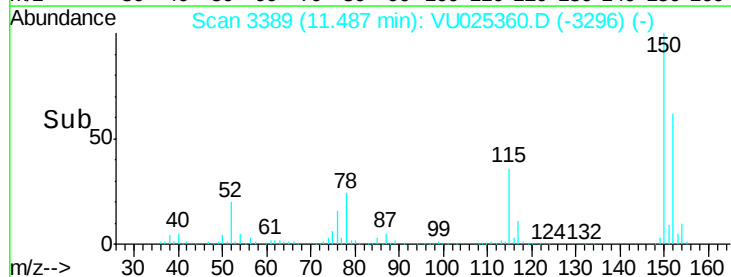
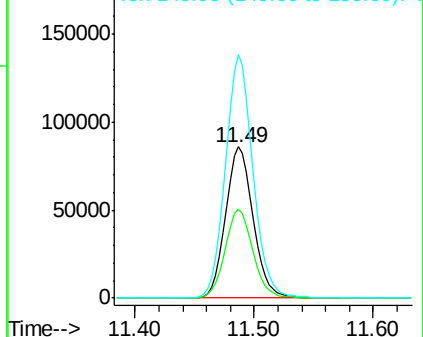


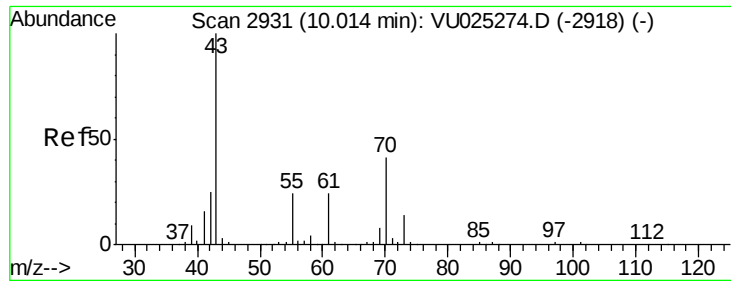
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025360.D
Acq: 13 Jul 2018 00:24

Tgt Ion:152 Resp: 138225
Ion Ratio Lower Upper
152 100
115 58.9 40.1 120.3
150 160.3 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-amvl acetate

Concen: 1.31 ug/l

RT: 10.03 min Scan# 2935

Delta R.T. 0.01 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBL02

Tot Ion: 43 Resp: 193

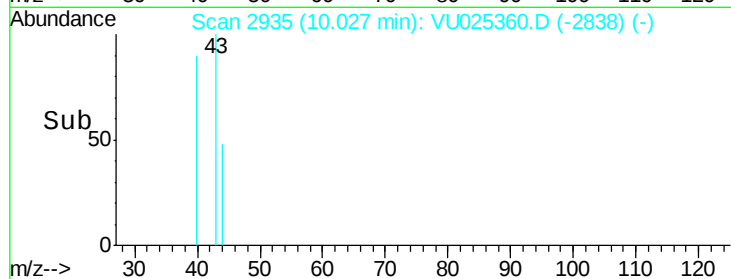
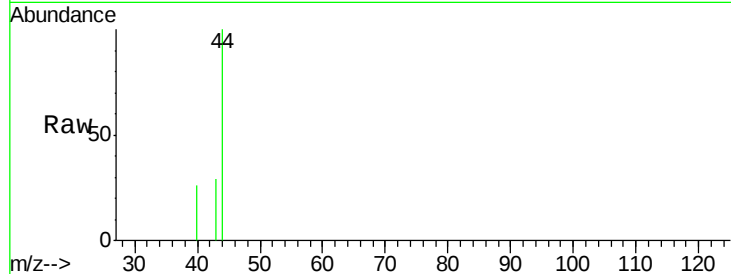
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#

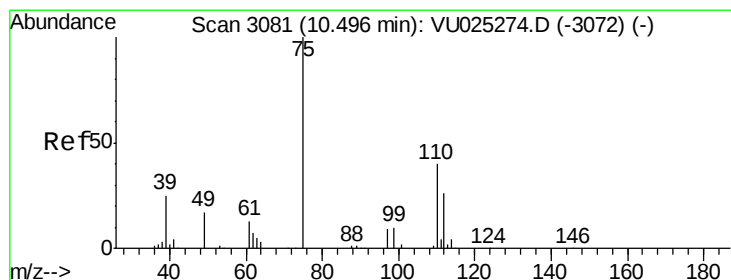
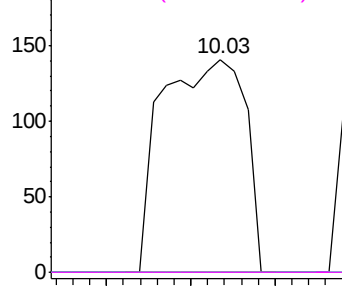


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 28.36 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025360.D

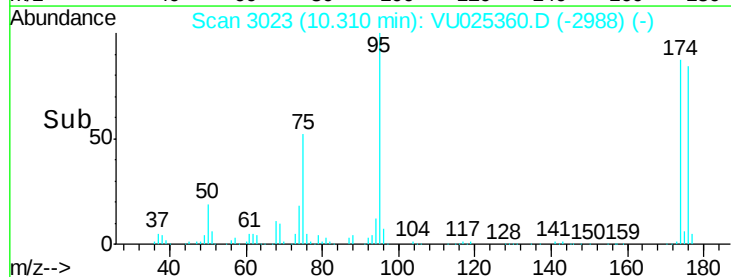
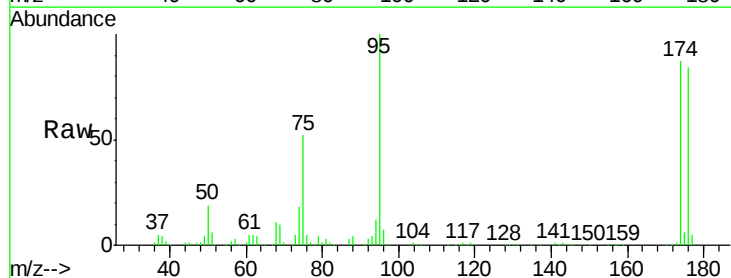
Acq: 13 Jul 2018 00:24

Tgt Ion: 75 Resp: 79830

Ion Ratio Lower Upper

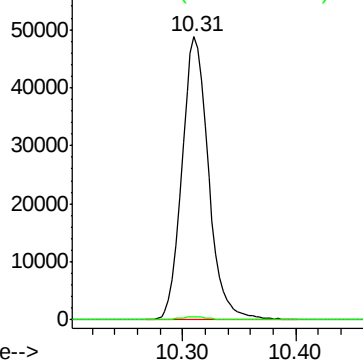
75 100

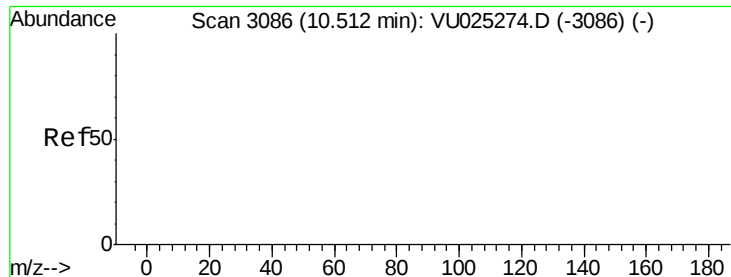
77 1.1 20.4 61.3#



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: 72.49 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBL02

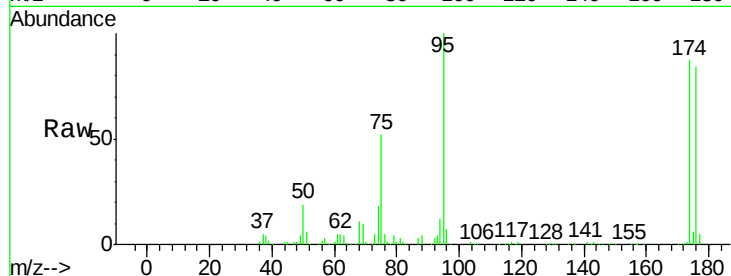
Tot Ion: 75 Resp: 79830

Ion Ratio Lower Upper

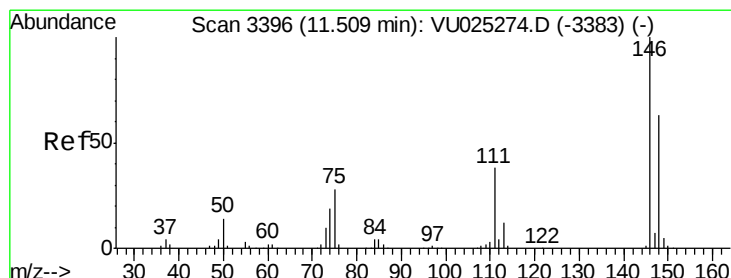
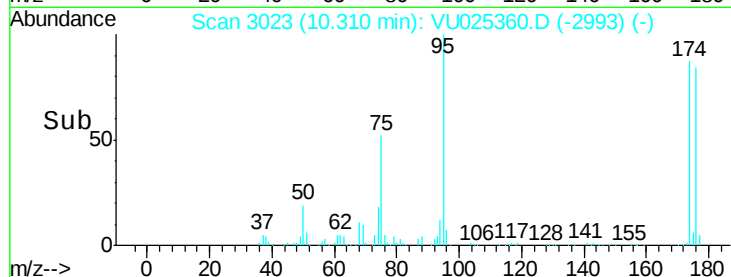
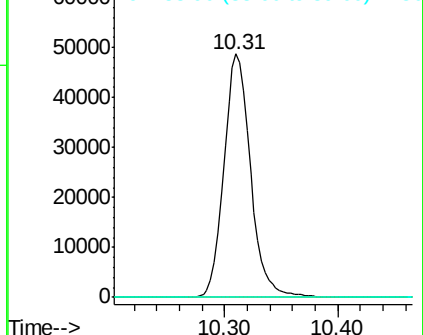
75 100

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: 1.61 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

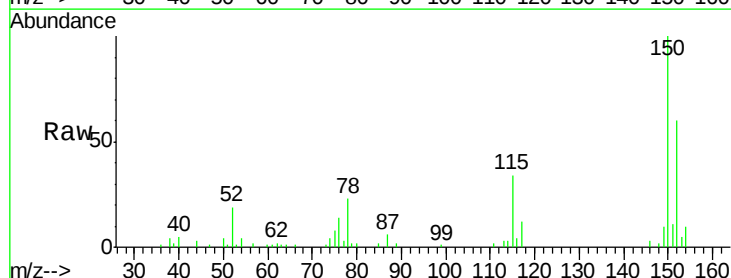
Tgt Ion: 146 Resp: 592

Ion Ratio Lower Upper

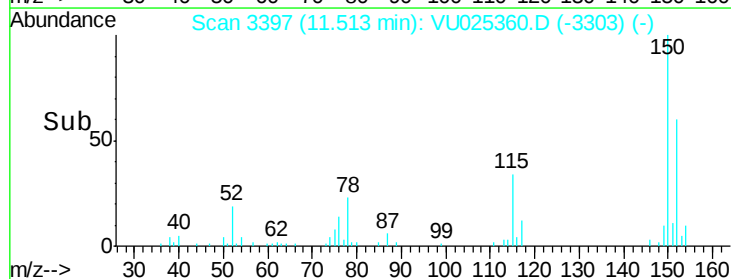
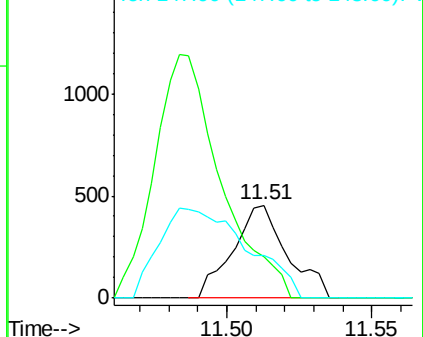
146 100

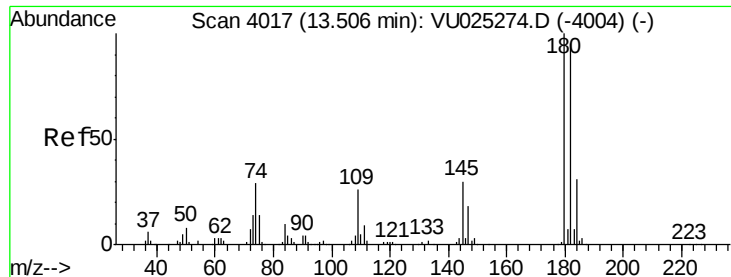
111 0.0 19.4 58.1#

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: 3.36 ug/l

RT: 13.52 min Scan# 4020

Delta R.T. 0.01 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBL02

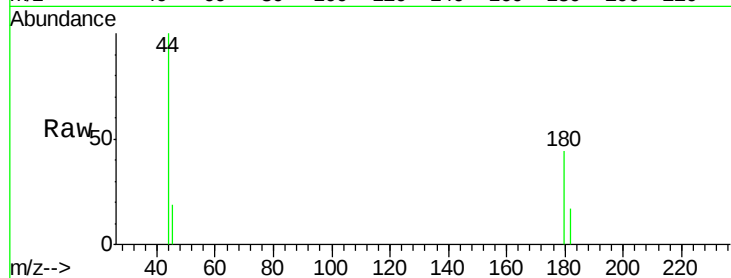
Tot Ion:180 Resp: 280

Ion Ratio Lower Upper

180 100

182 37.1 47.3 141.9#

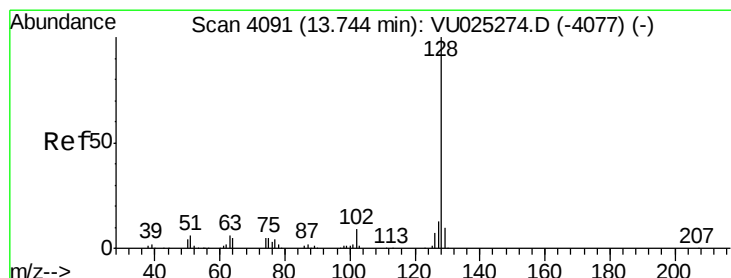
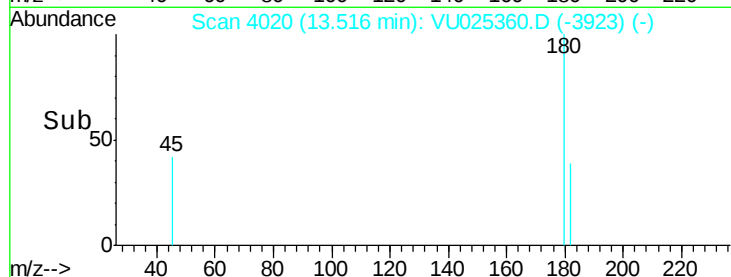
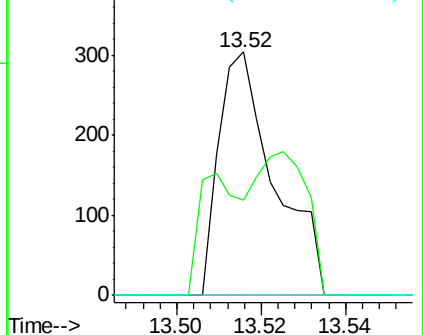
145 0.0 14.9 44.7#



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: 2.60 ug/l

RT: 13.77 min Scan# 4099

Delta R.T. 0.03 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

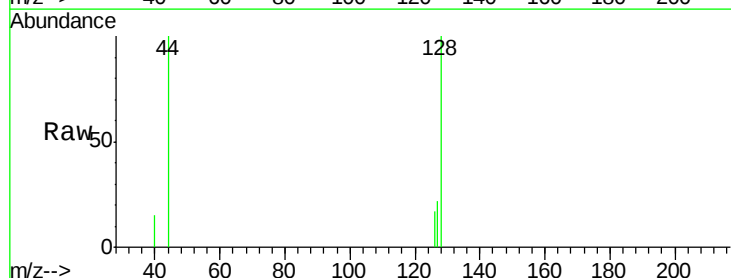
Tgt Ion:128 Resp: 2015

Ion Ratio Lower Upper

128 100

127 6.1 10.5 15.7#

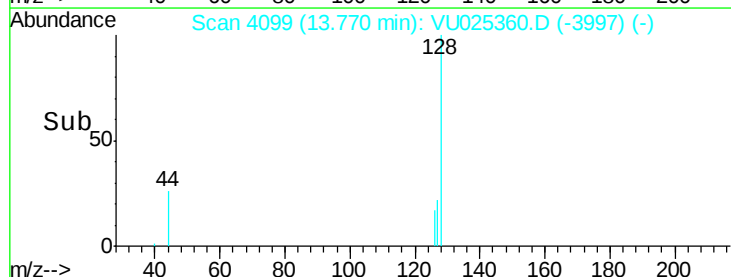
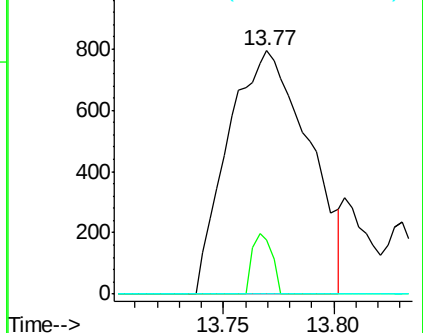
129 0.0 8.3 12.5#

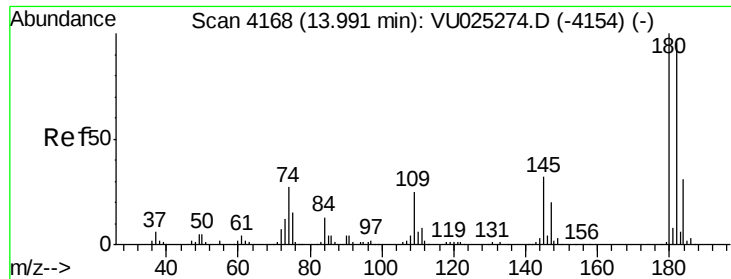


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 2.63 ug/l

RT: 14.00 min Scan# 4172

Delta R.T. 0.01 min

Lab File: VU025360.D

Acq: 13 Jul 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBL02

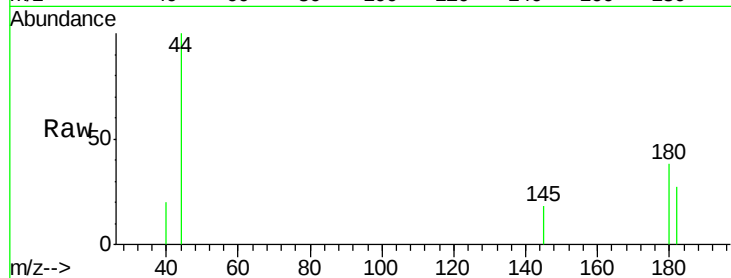
Tot Ion:180 Resp: 368

Ion Ratio Lower Upper

180 100

182 109.2 47.8 143.3

145 21.2 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

