

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
 Data File : VU025324.D
 Acq On : 11 Jul 2018 19:07
 Operator : MD/SY
 Sample : J3922-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ST008MW037-180709

Quant Time: Jul 12 03:14:00 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	194557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	293836	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	274551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154214	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	150831	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
35) Dibromofluoromethane	4.89	113	116744	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
50) Toluene-d8	7.57	98	429081	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	10.31	95	160448	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	382	0.75	ug/l	# 42
5) Bromomethane	1.63	94	139	Below	Cal	# 53
6) Chloroethane	1.69	64	114	0.37	ug/l	# 43
10) Methyl Iodide	2.42	142	143	7.76	ug/l	# 39
11) Tert butyl alcohol	2.83	59	837	1.27	ug/l	# 73
14) Allyl chloride	2.71	41	9536	2.67	ug/l	# 56
16) Acetone	2.32	43	923	5.45	ug/l	# 92
17) Carbon Disulfide	2.48	76	611	2.03	ug/l	# 74
18) Methyl Acetate	2.71	43	21306	6.88	ug/l	# 52
20) Methylene Chloride	2.70	84	224	0.79	ug/l	# 6
25) 2-Butanone	4.00	43	13921	6.64	ug/l	# 49
27) cis-1,2-Dichloroethene	4.24	96	720	0.28	ug/l	# 52
31) Cyclohexane	4.99	56	6051	2.30	ug/l	# 48
36) 1,1-Dichloropropene	4.99	75	14319	4.38	ug/l	# 49
38) Carbon Tetrachloride	4.99	117	19262	5.48	ug/l	# 16
39) Methylcyclohexane	6.42	83	14944	3.67	ug/l	# 87
43) Isopropyl Acetate	5.54	43	22025	3.78	ug/l	# 61
48) Methyl methacrylate	6.64	41	742	0.26	ug/l	# 50
51) 4-Methyl-2-Pentanone	7.53	43	2033	0.54	ug/l	# 67
55) 1,1,2-Trichloroethane	8.05	97	5632	2.26	ug/l	# 16
56) Ethyl methacrylate	8.05	69	1311	0.34	ug/l	# 1
59) 2-Hexanone	8.17	43	1105	0.36	ug/l	# 66
65) Chlorobenzene	9.12	112	142629	20.80	ug/l	# 99
69) o-Xylene	9.79	106	1135	0.25	ug/l	# 64
73) Isopropylbenzene	10.17	105	147075	12.48	ug/l	# 99
74) N-amyl acetate	10.05	43	705	1.41	ug/l	# 1
76) 1,2,3-Trichloropropane	10.31	75	83372	26.61	ug/l	# 37
78) n-propylbenzene	10.59	91	46357	3.55	ug/l	# 97
79) 2-Chlorotoluene	10.59	91	46357	6.30	ug/l	# 40
80) 1,3,5-Trimethylbenzene	10.98	105	4240	0.43	ug/l	# 74
81) trans-1,4-Dichloro-2-buten	10.31	75	83372	67.86	ug/l	# 100
82) 4-Chlorotoluene	10.59	91	46357	5.01	ug/l	# 44
83) tert-Butylbenzene	11.10	119	100488	10.03	ug/l	# 92
84) 1,2,4-Trimethylbenzene	11.33	105	422087	41.54	ug/l	# 32

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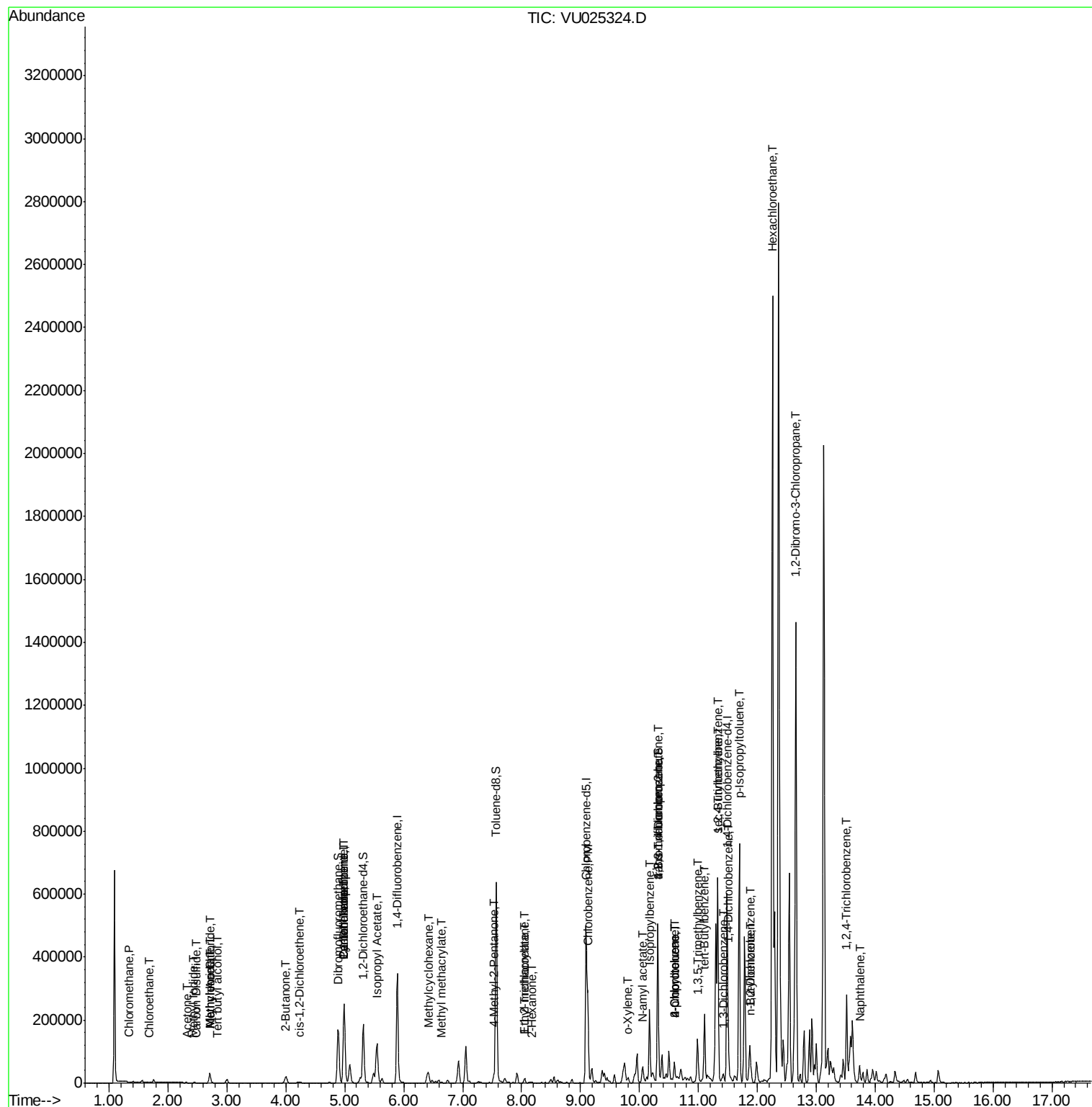
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	11.33	105	422087	35.78	ug/l	96
86) p-Isopropyltoluene	11.69	119	418268	40.04	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	8953	1.63	ug/l	93
88) 1,4-Dichlorobenzene	11.51	146	23157	5.66	ug/l	92
89) n-Butylbenzene	11.89	91	25054	2.92	ug/l #	68
90) Hexachloroethane	12.26	117	124908	70.62	ug/l #	7
91) 1,2-Dichlorobenzene	11.89	146	1196	0.21	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	12.65	75	6597	7.06	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.51	180	46	3.29	ug/l #	1
95) Naphthalene	13.73	128	5138	2.85	ug/l #	1

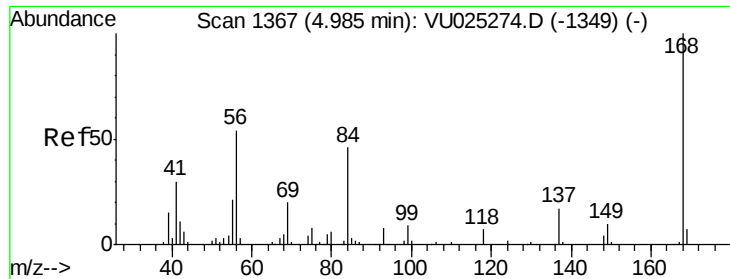
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

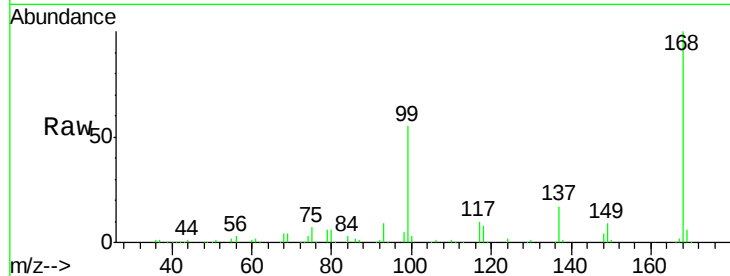
ST008MW037-180709

Tot Ion:168 Resp: 194557

Ion Ratio Lower Upper

168 100

99 55.1 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

80000

60000

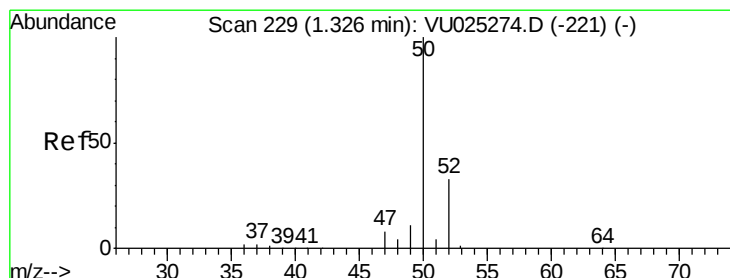
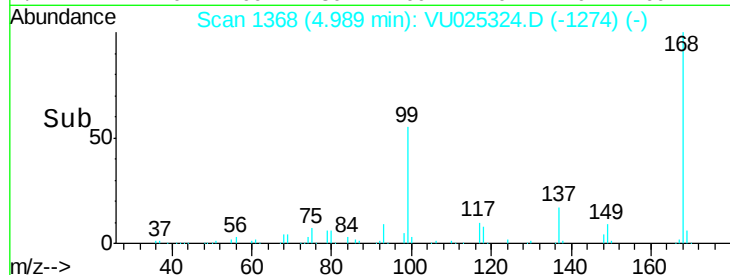
40000

20000

0

Time-->

4.90 5.00 5.10



#3

Chloromethane

Concen: 0.75 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.01 min

Lab File: VU025324.D

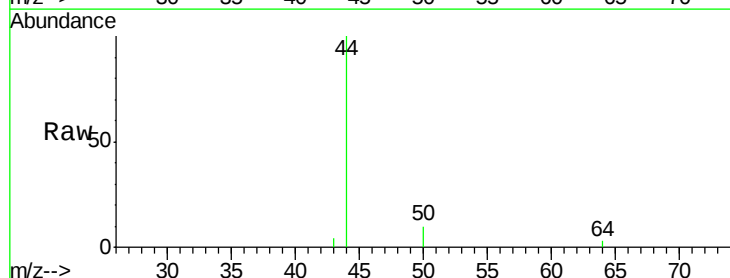
Acq: 11 Jul 2018 19:07

Tgt Ion: 50 Resp: 382

Ion Ratio Lower Upper

50 100

52 0.0 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

400

300

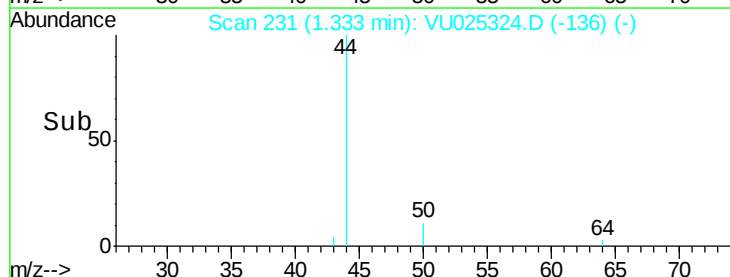
200

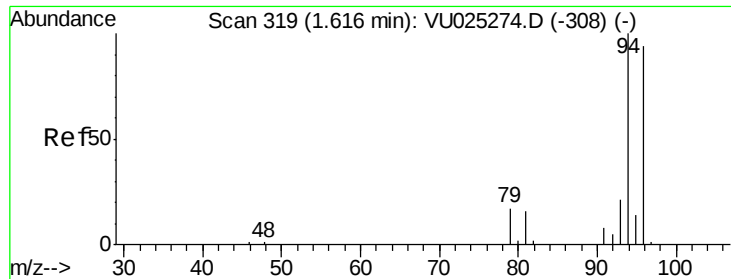
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

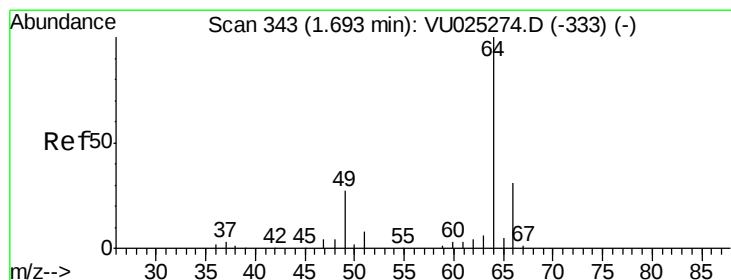
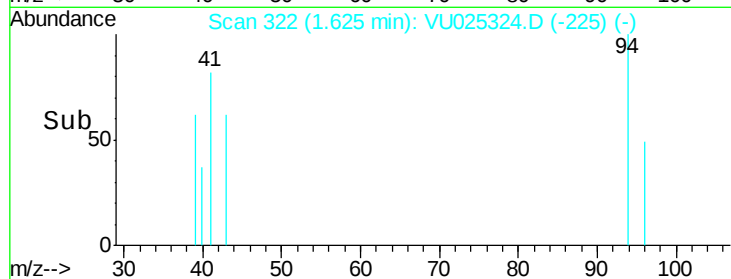
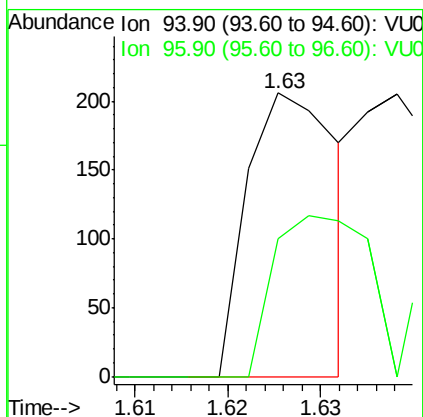
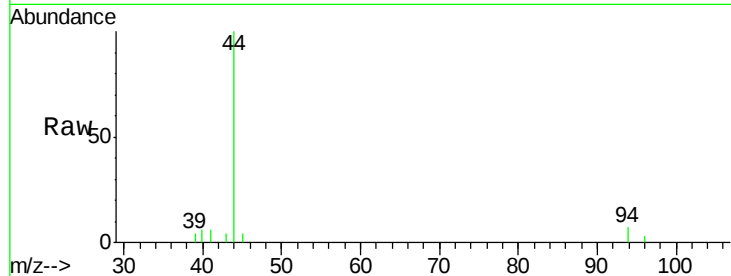
ST008MW037-180709

Tot Ion: 94 Resp: 139

Ion Ratio Lower Upper

94 100

96 48.5 75.0 112.4#



#6

Chloroethane

Concen: 0.37 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025324.D

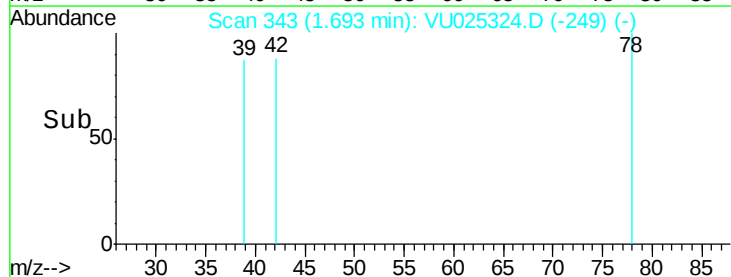
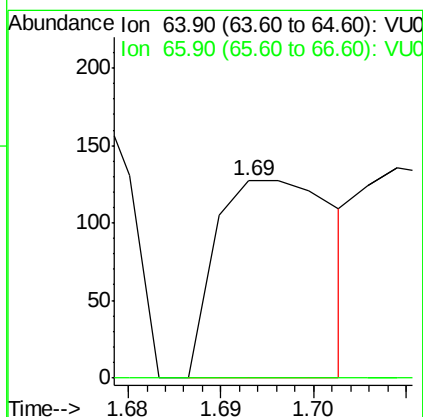
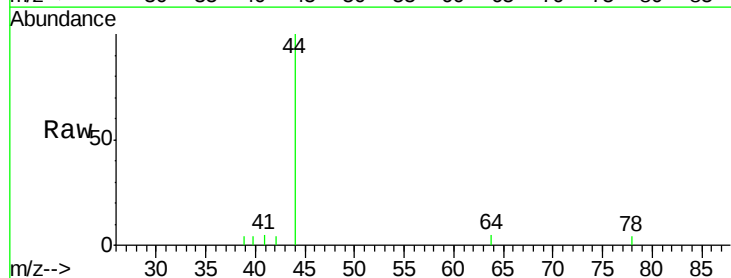
Acq: 11 Jul 2018 19:07

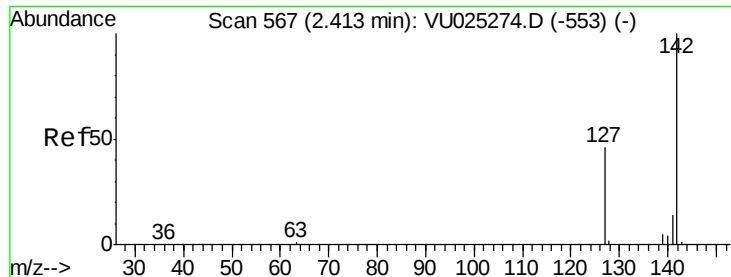
Tgt Ion: 64 Resp: 114

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#

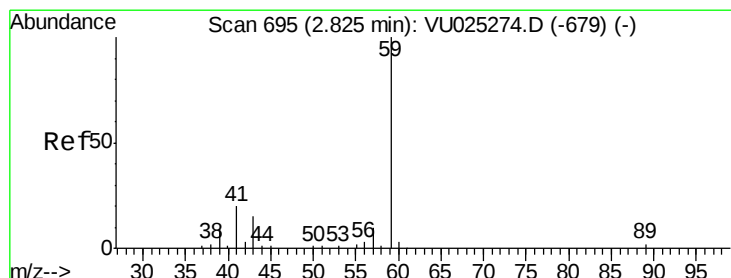
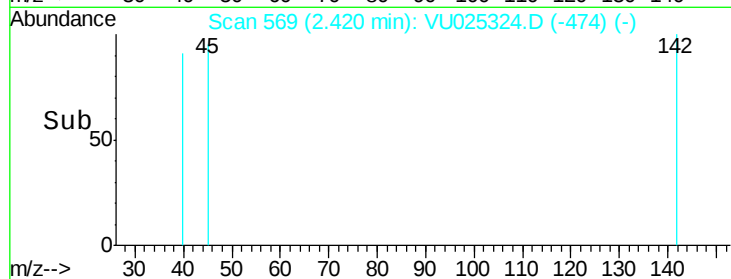
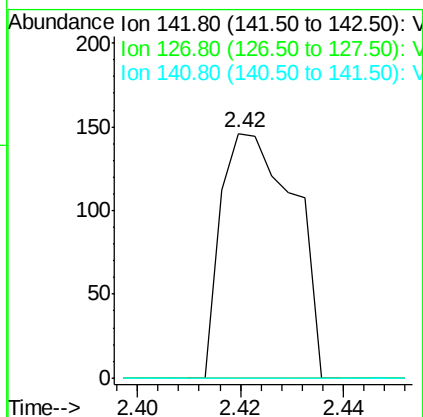
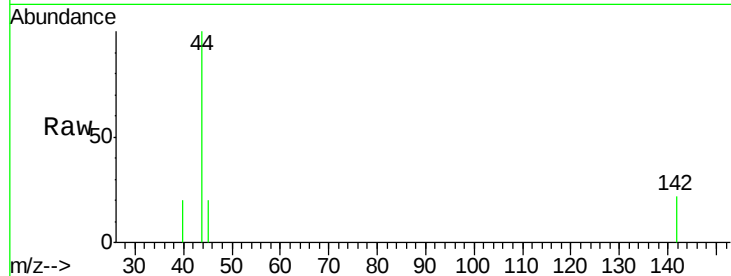




#10
Methyl Iodide
Concen: 7.76 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

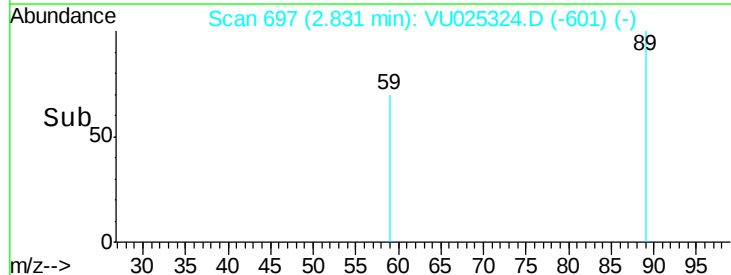
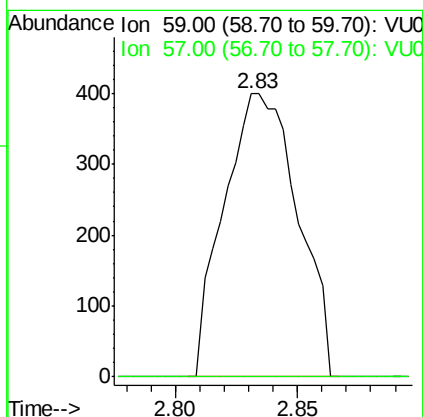
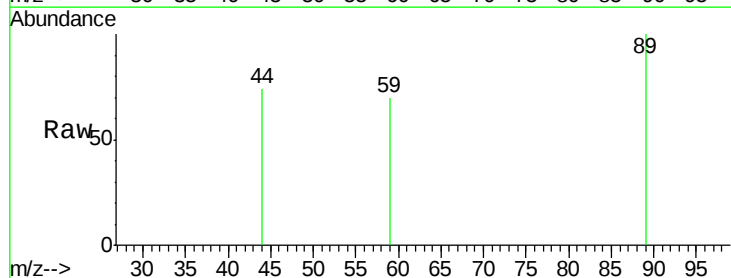
Instrument :
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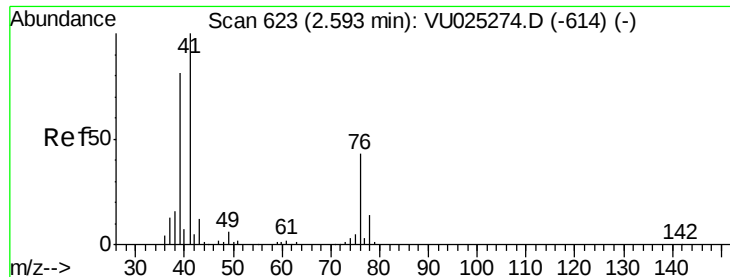
Tot Ion:142 Resp: 143
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.27 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

Tgt Ion: 59 Resp: 837
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

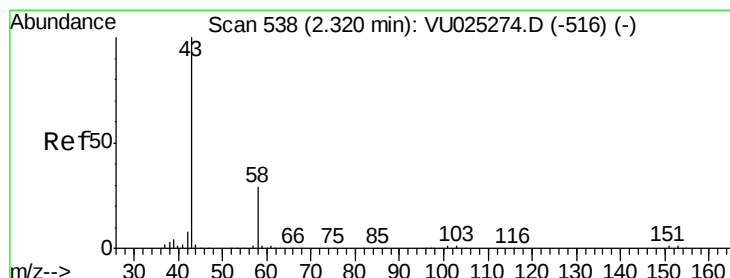
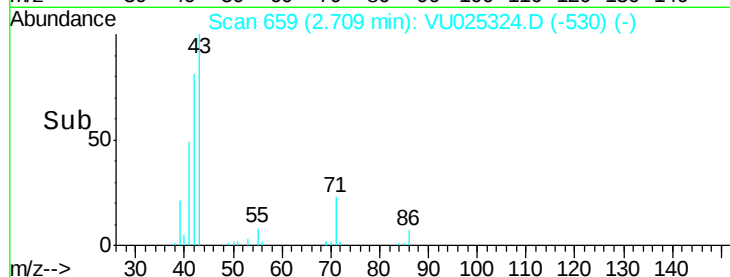
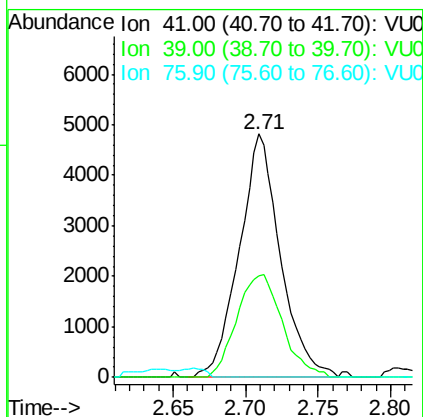
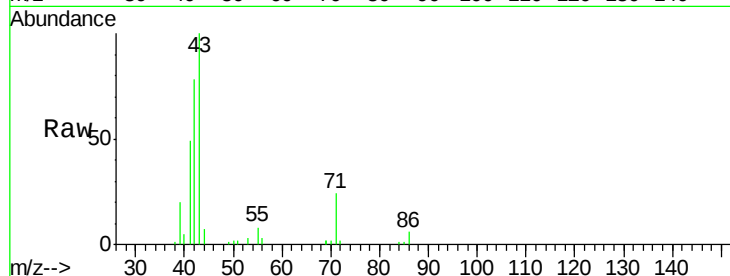




#14
Allvl chloride
Concen: 2.67 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.12 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

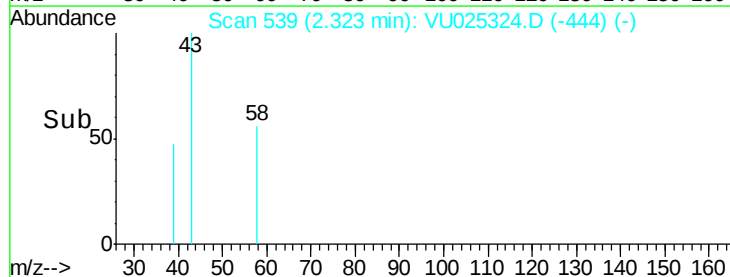
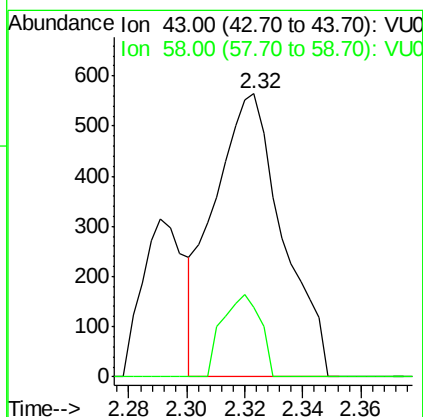
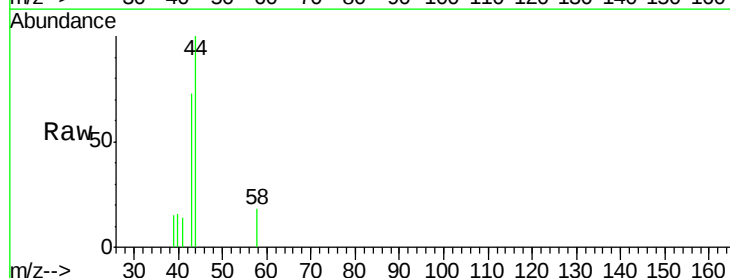
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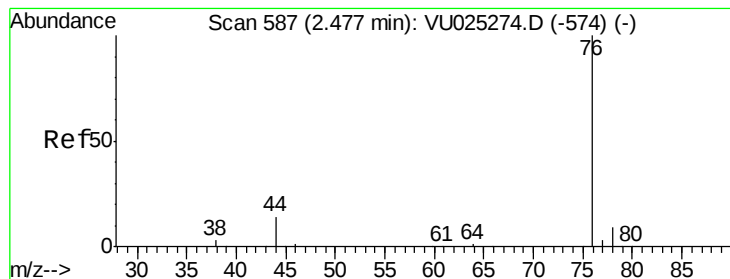
Tot Ion: 41 Resp: 9536
Ion Ratio Lower Upper
41 100
39 46.5 60.6 91.0#
76 0.0 30.5 45.7#



#16
Acetone
Concen: 5.45 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

Tgt Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
58 24.6 23.1 34.7





#17

Carbon Disulfide

Concen: 2.03 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

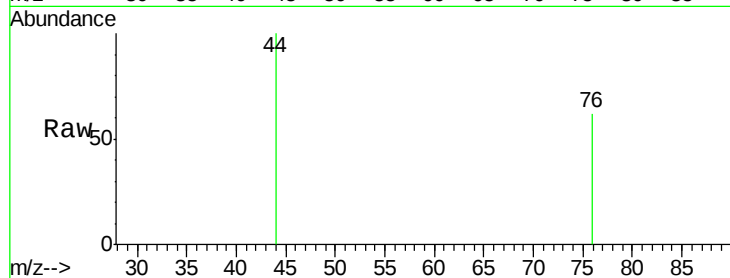
ST008MW037-180709

Tot Ion: 76 Resp: 611

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

400

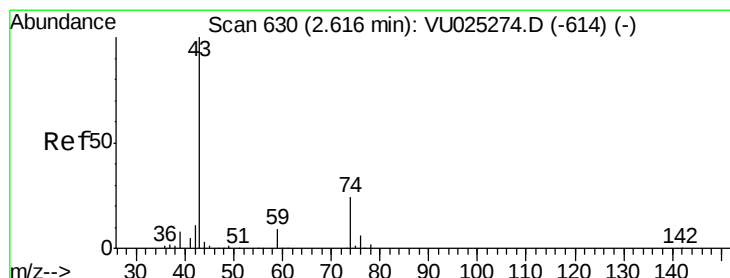
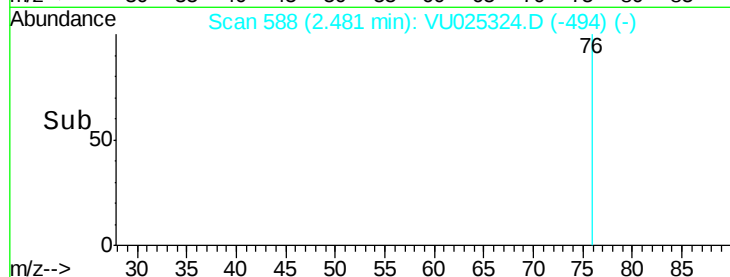
300

200

100

0

Time-->



#18

Methyl Acetate

Concen: 6.88 ug/l

RT: 2.71 min Scan# 660

Delta R.T. 0.10 min

Lab File: VU025324.D

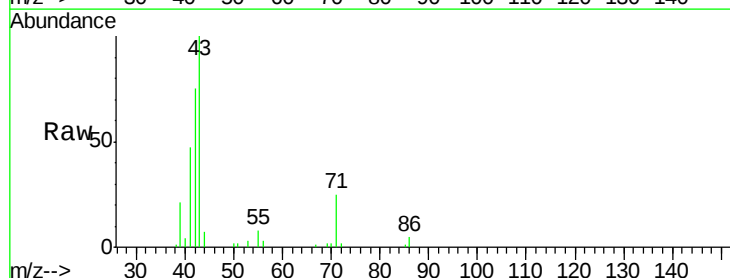
Acq: 11 Jul 2018 19:07

Tgt Ion: 43 Resp: 21306

Ion Ratio Lower Upper

43 100

74 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.71

10000

8000

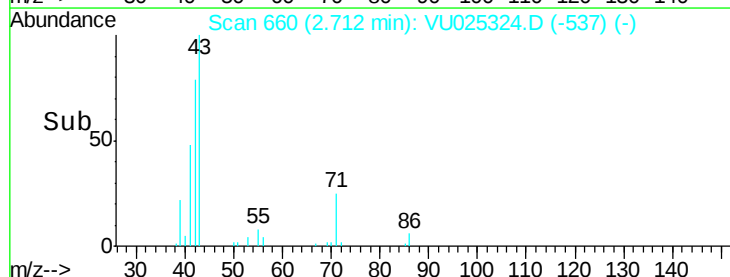
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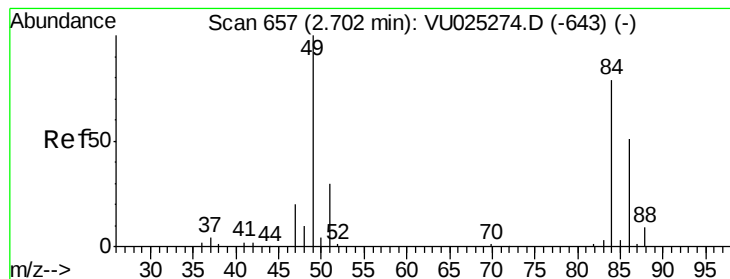
4000

2000

0

Time-->





#20

Methylene Chloride

Concen: 0.79 ug/l

RT: 2.70 min Scan# 656

Delta R.T. -0.00 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 84 Resp: 224

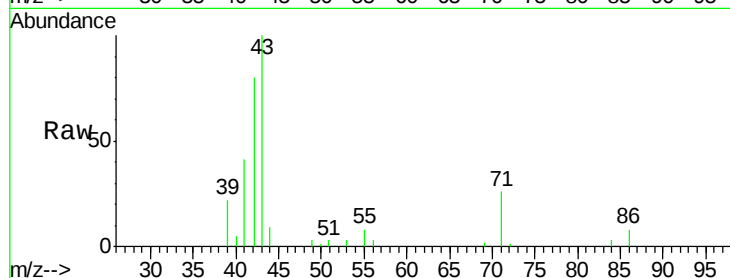
Ion Ratio Lower Upper

84 100

49 105.3 101.8 152.6

51 95.2 30.8 46.2#

86 255.5 51.9 77.9#

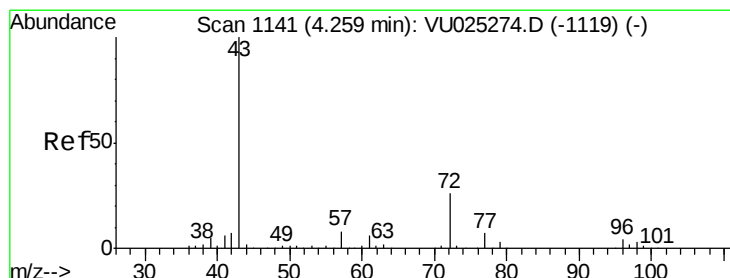
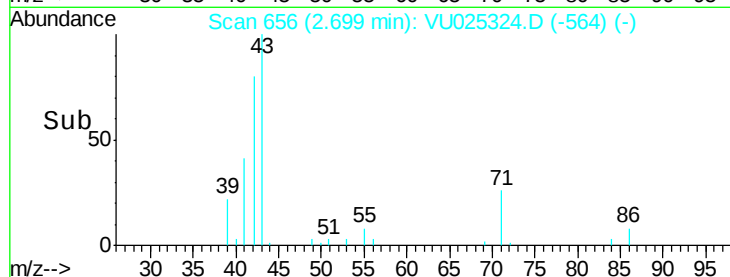
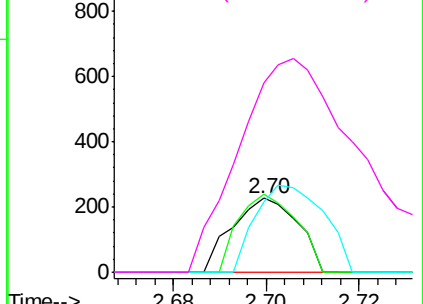


Abundance Ion 83.90 (83.60 to 84.60): VU0

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



#25

2-Butanone

Concen: 6.64 ug/l

RT: 4.00 min Scan# 1060

Delta R.T. -0.26 min

Lab File: VU025324.D

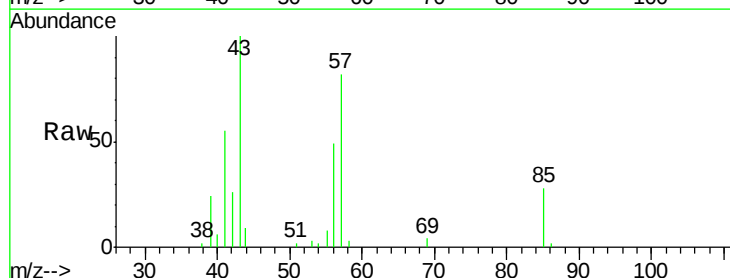
Acq: 11 Jul 2018 19:07

Tgt Ion: 43 Resp: 13921

Ion Ratio Lower Upper

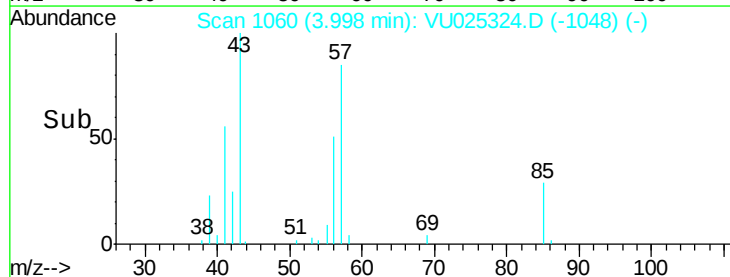
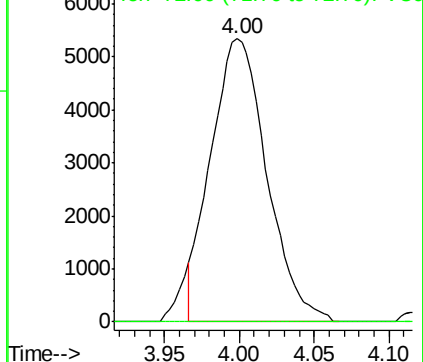
43 100

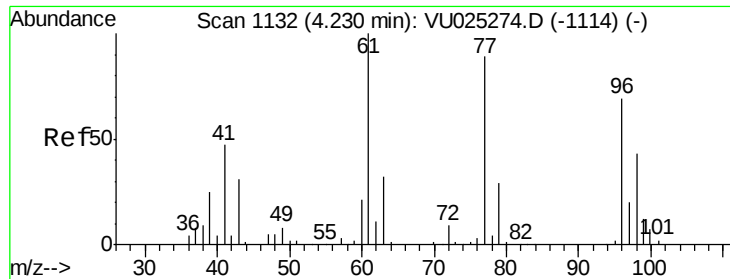
72 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#27

cis-1,2-Dichloroethene

Concen: 0.28 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

ST008MW037-180709

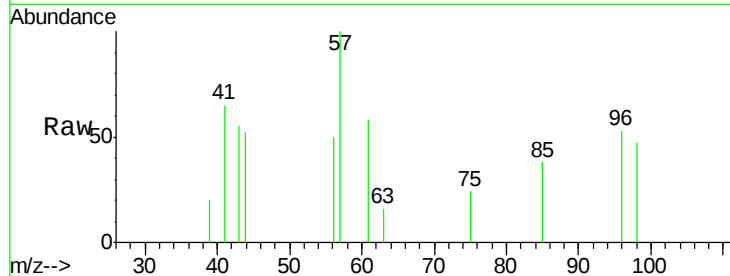
Tot Ion: 96 Resp: 720

Ion Ratio Lower Upper

96 100

61 68.3 0.0 299.8

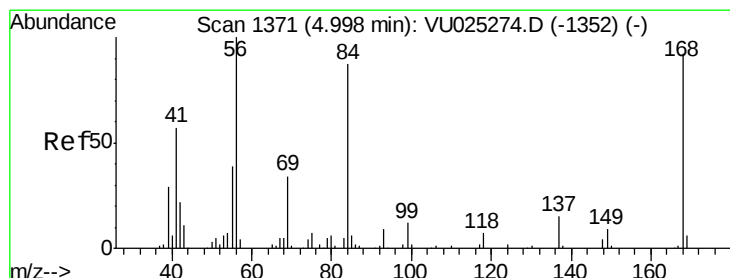
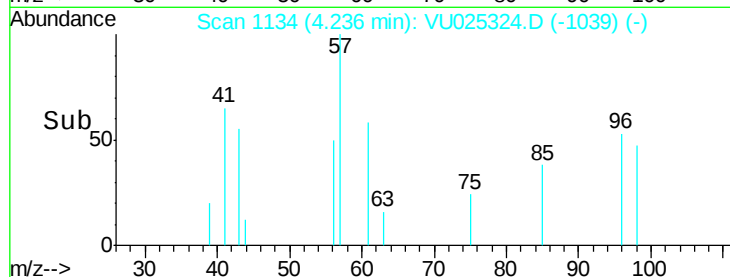
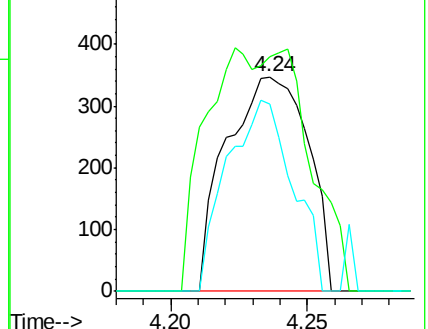
98 71.9 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#31

Cyclohexane

Concen: 2.30 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

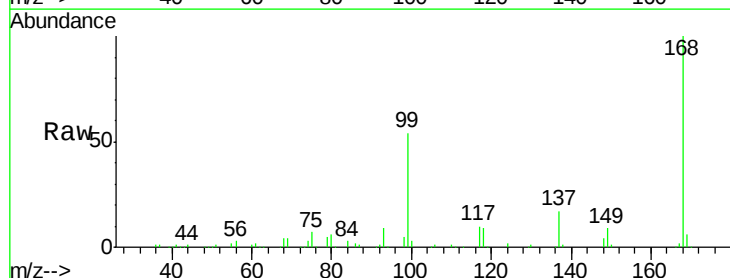
Tgt Ion: 56 Resp: 6051

Ion Ratio Lower Upper

56 100

69 129.9 26.8 40.2#

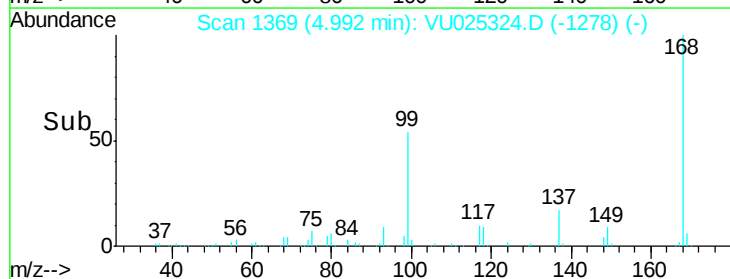
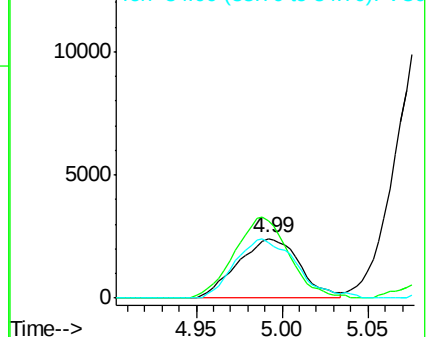
84 94.1 69.7 104.5

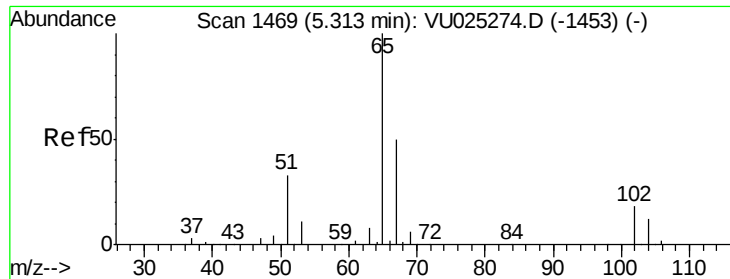


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

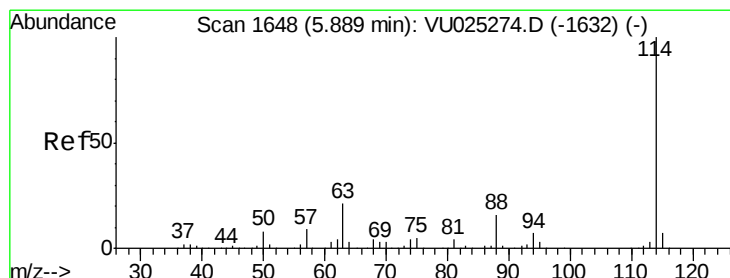
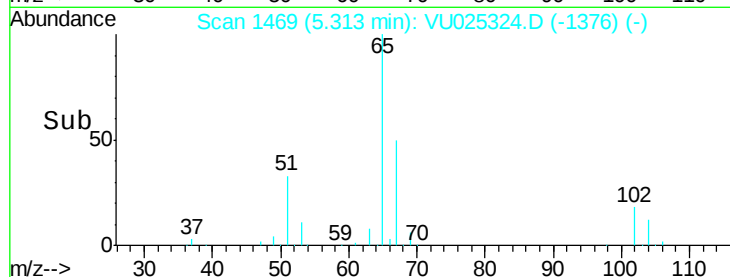
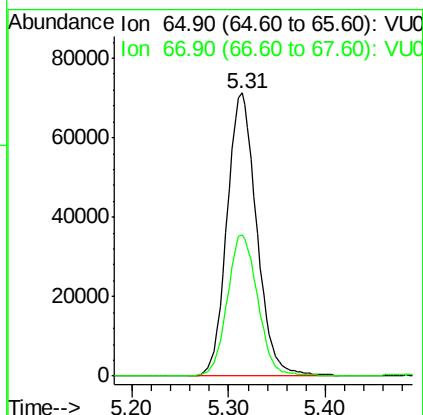
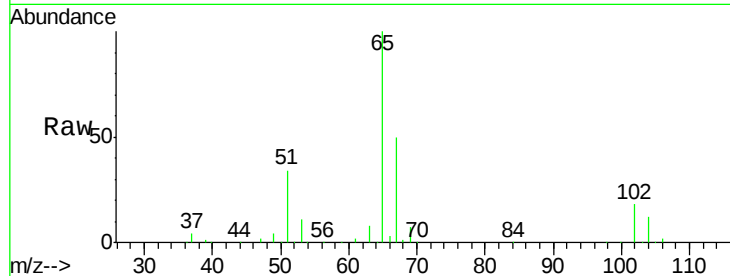




#33
 1,2-Dichloroethane-d4
 Concen: 49.90 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025324.D
 Acq: 11 Jul 2018 19:07

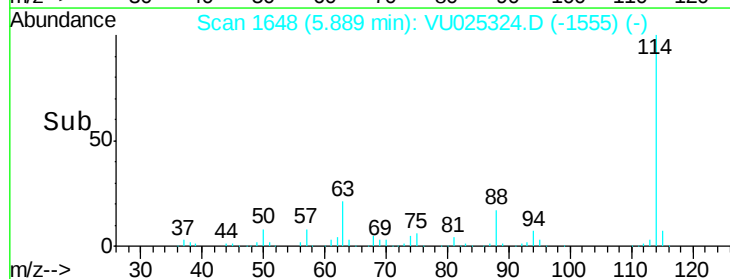
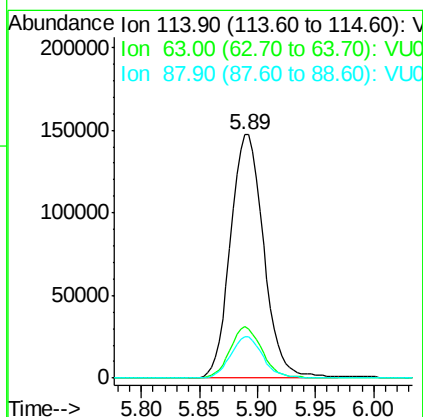
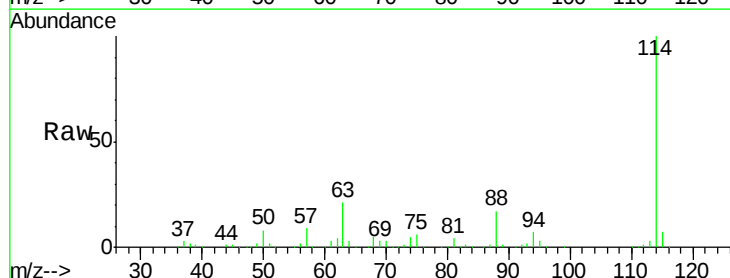
Instrument :
 MSVOA_U
 ClientSampleId :
 ST008MW037-180709

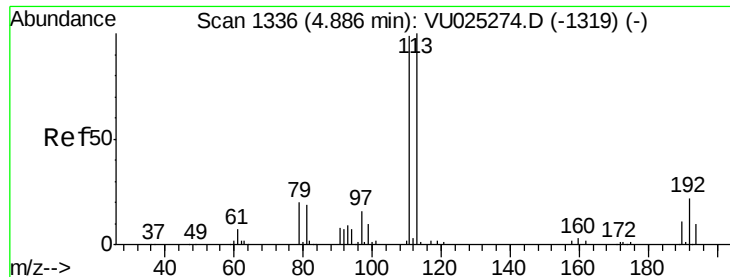
Tot Ion: 65 Resp: 150831
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025324.D
 Acq: 11 Jul 2018 19:07

Tgt Ion: 114 Resp: 293836
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.6
 88 17.1 0.0 32.4

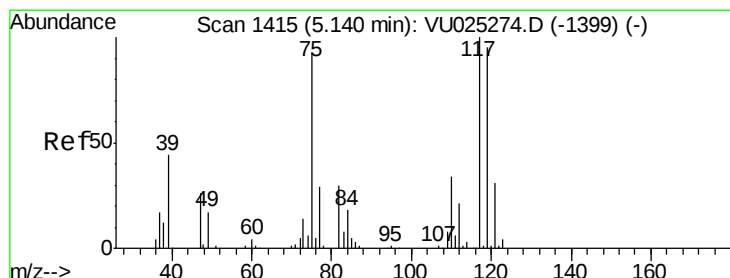
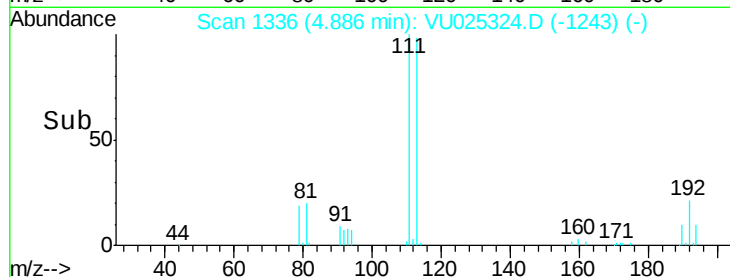
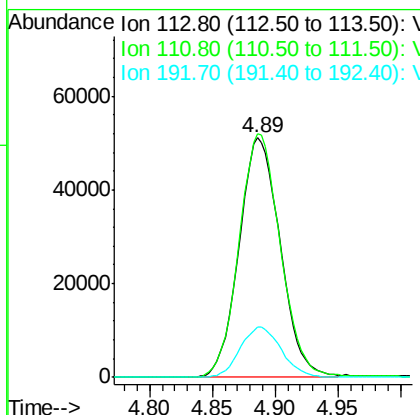
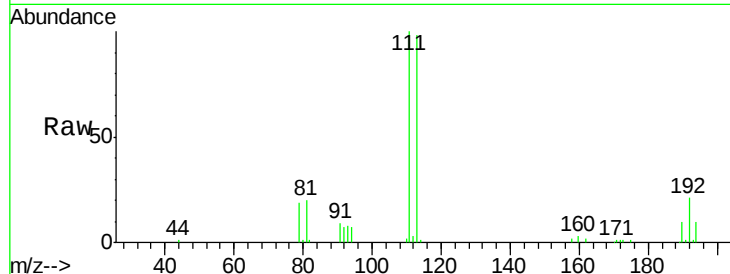




#35
 Dibromofluoromethane
 Concen: 47.10 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025324.D
 Acq: 11 Jul 2018 19:07

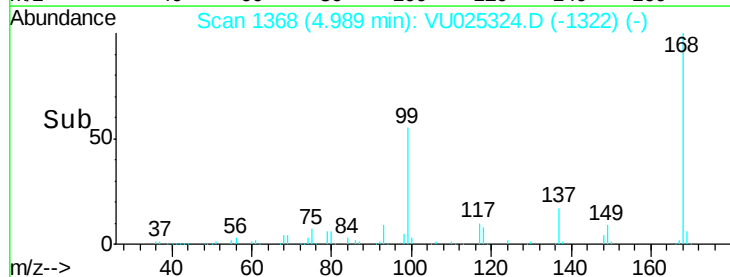
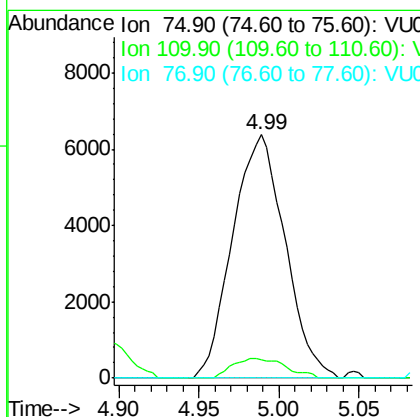
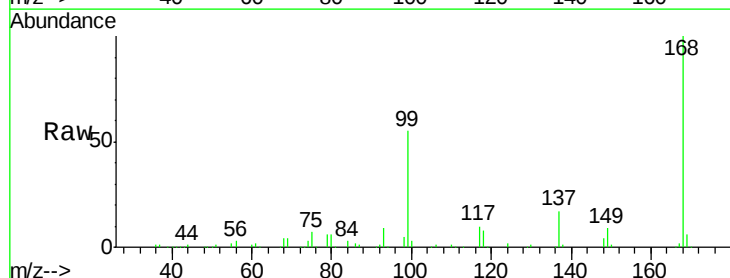
Instrument :
 MSVOA_U
 ClientSampleId :
 ST008MW037-180709

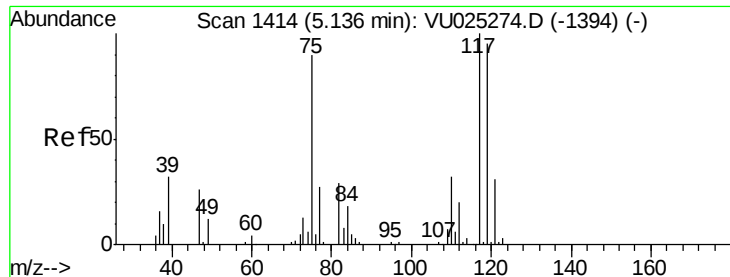
Tot Ion:113 Resp: 116744
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.7 122.5
 192 20.9 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.38 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025324.D
 Acq: 11 Jul 2018 19:07

Tgt Ion: 75 Resp: 14319
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.6 52.9#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.48 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

ST008MW037-180709

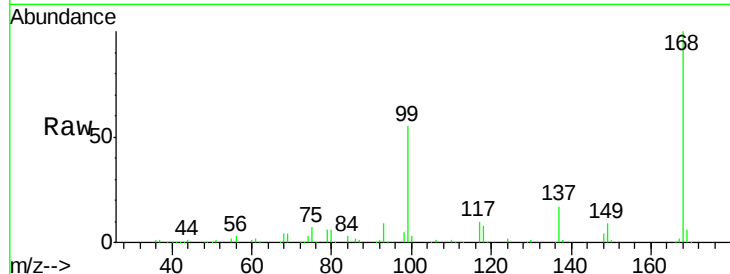
Tot Ion:117 Resp: 19262

Ion Ratio Lower Upper

117 100

119 4.5 75.7 113.5#

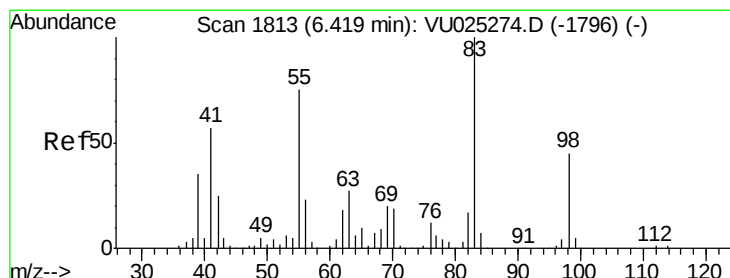
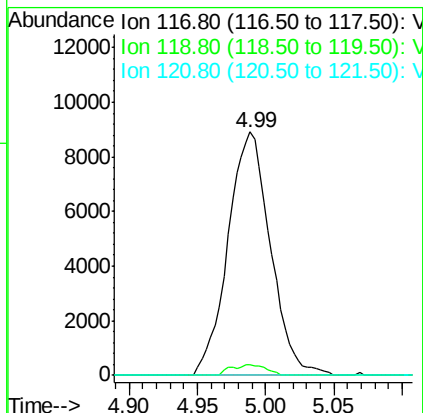
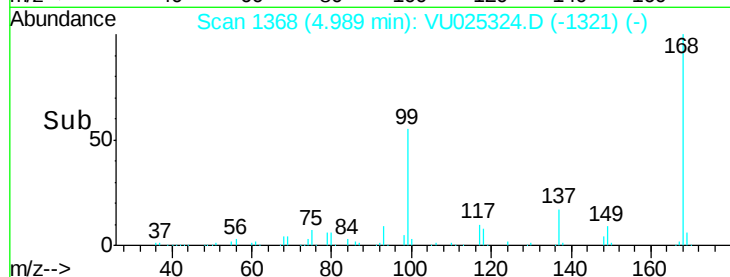
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 3.67 ug/l

RT: 6.42 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

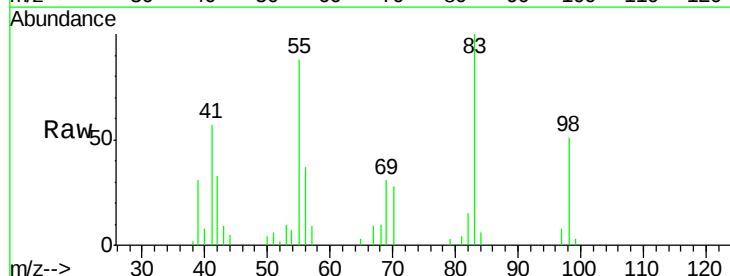
Tgt Ion: 83 Resp: 14944

Ion Ratio Lower Upper

83 100

55 87.6 60.0 90.0

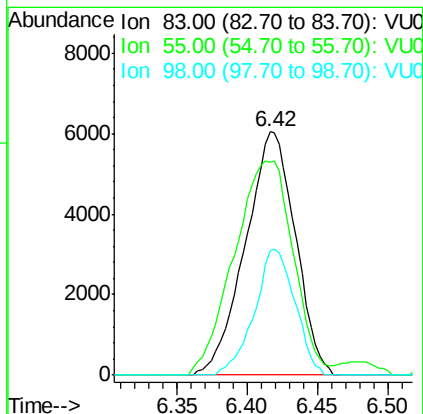
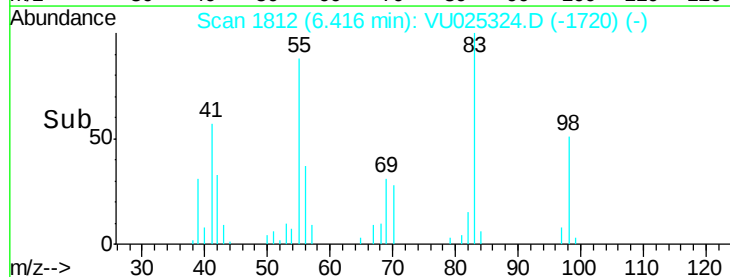
98 51.2 36.1 54.1

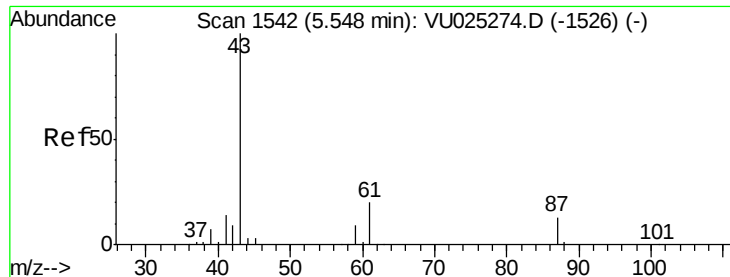


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#43

Isopropyl Acetate

Concen: 3.78 ug/l

RT: 5.54 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

ST008MW037-180709

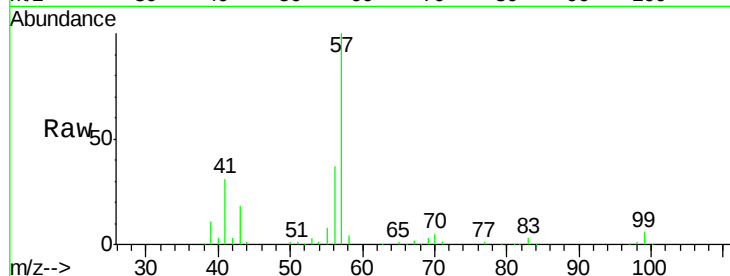
Tot Ion: 43 Resp: 22025

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

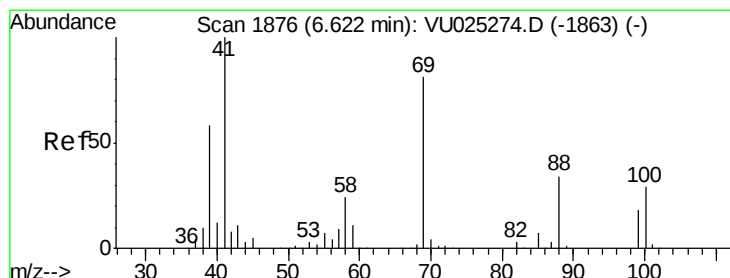
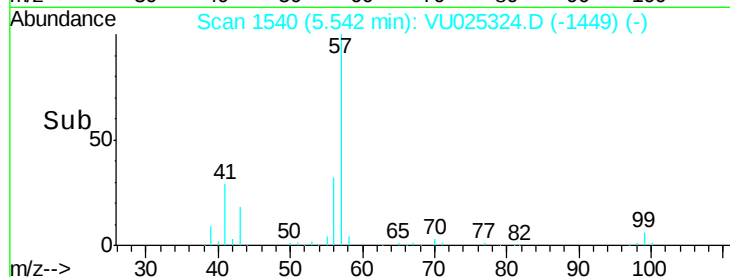
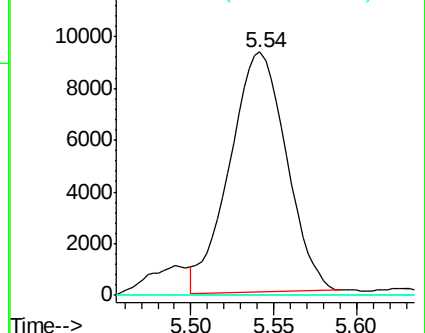
87 0.0 10.6 16.0#



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



#48

Methyl methacrylate

Concen: 0.26 ug/l

RT: 6.64 min Scan# 1882

Delta R.T. 0.02 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

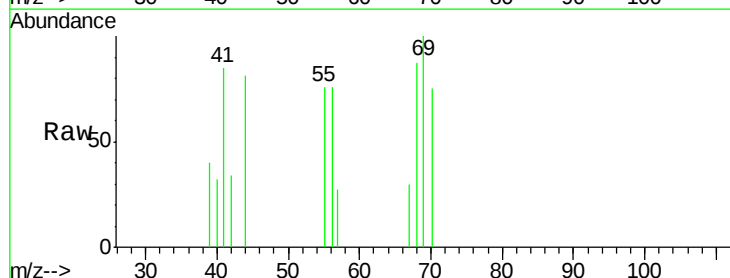
Tgt Ion: 41 Resp: 742

Ion Ratio Lower Upper

41 100

69 108.4 65.0 97.4#

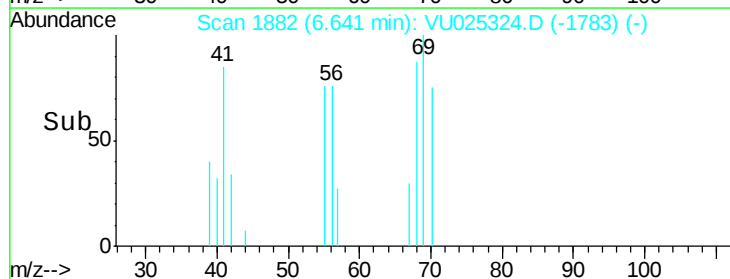
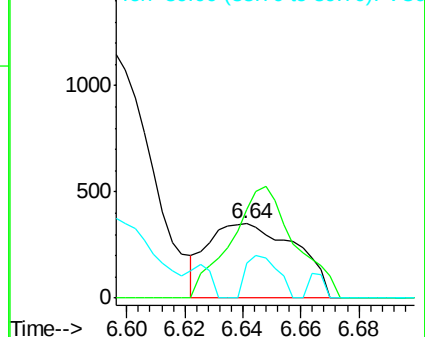
39 0.0 46.4 69.6#

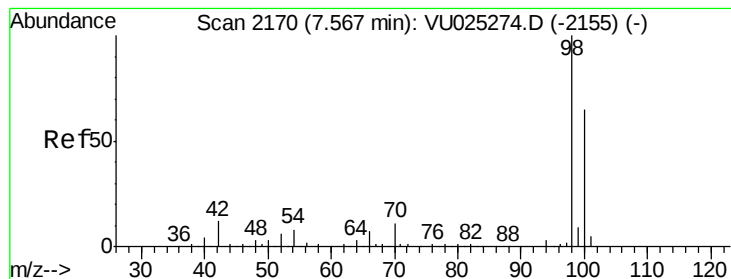


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#50

Toluene-d8

Concen: 50.55 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

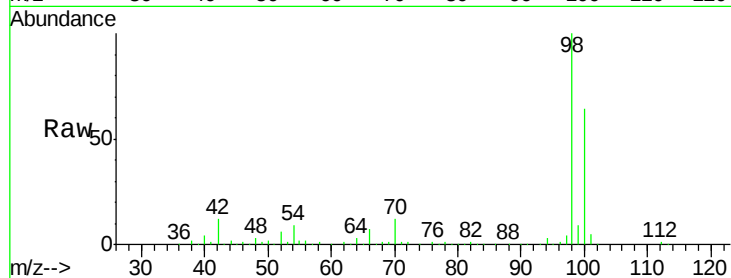
ST008MW037-180709

Tot Ion: 98 Resp: 429081

Ion Ratio Lower Upper

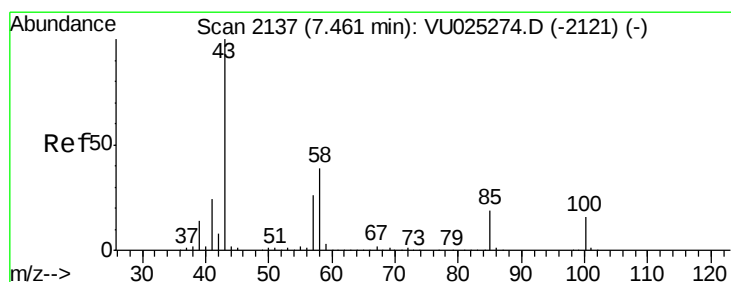
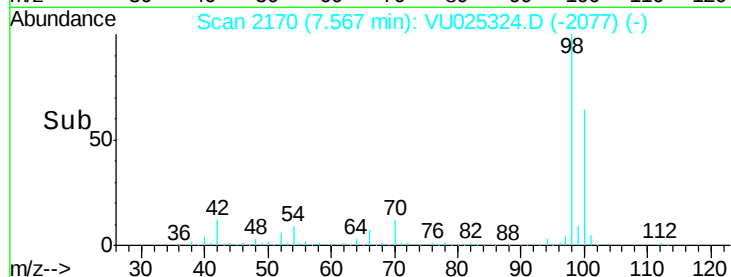
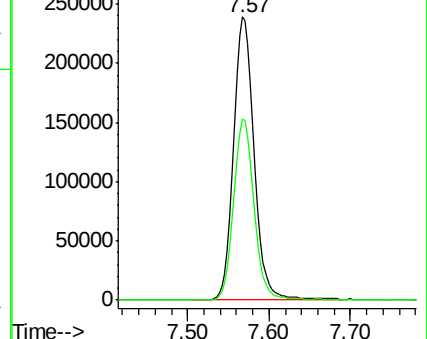
98 100

100 63.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU



#51

4-Methyl-2-Pentanone

Concen: 0.54 ug/l

RT: 7.53 min Scan# 2158

Delta R.T. 0.07 min

Lab File: VU025324.D

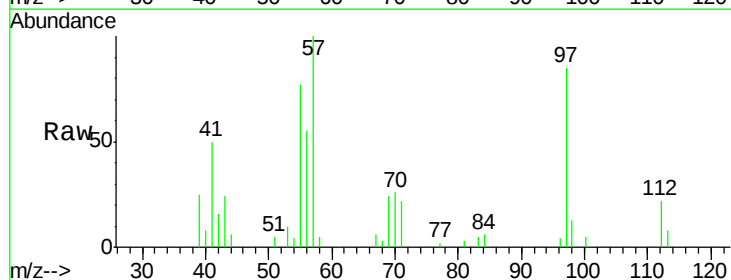
Acq: 11 Jul 2018 19:07

Tgt Ion: 43 Resp: 2033

Ion Ratio Lower Upper

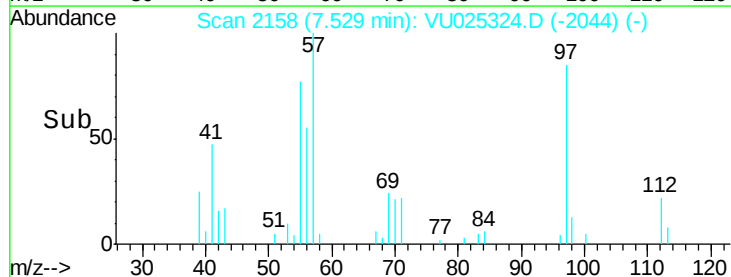
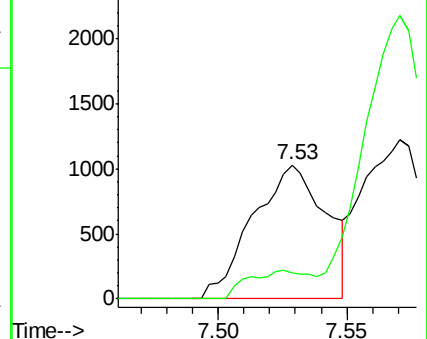
43 100

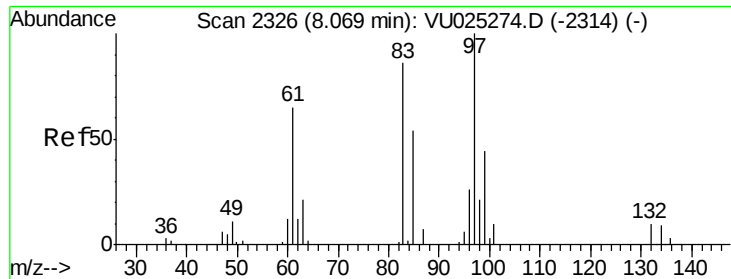
58 18.5 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

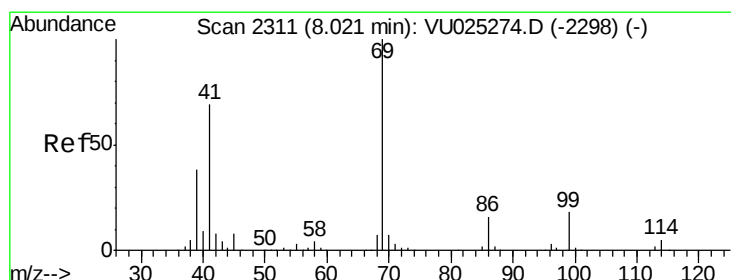
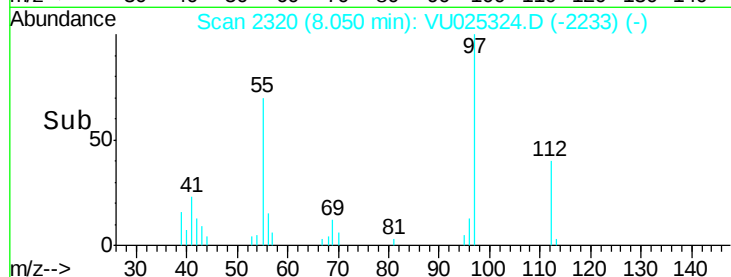
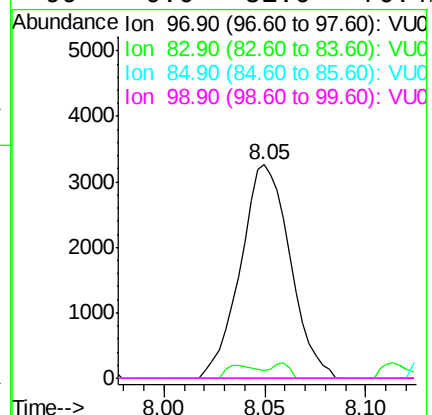
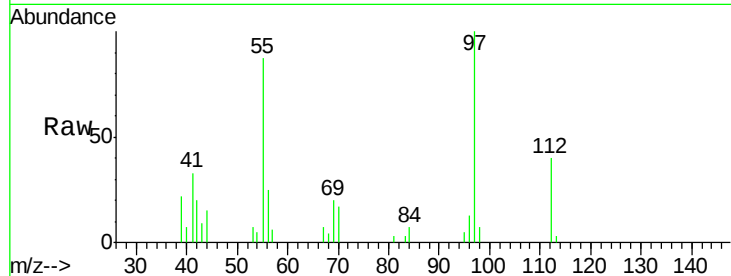




#55
1,1,2-Trichloroethane
Concen: 2.26 ug/l
RT: 8.05 min Scan# 2320
Delta R.T. -0.02 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

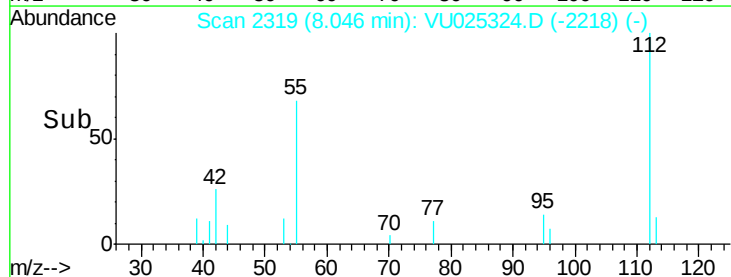
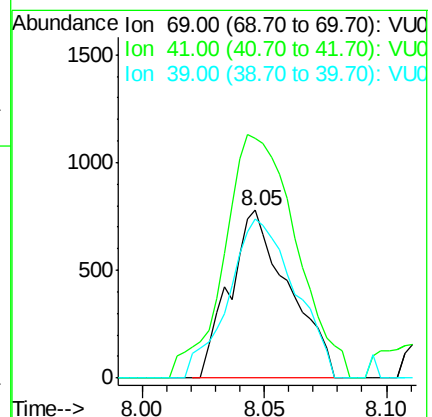
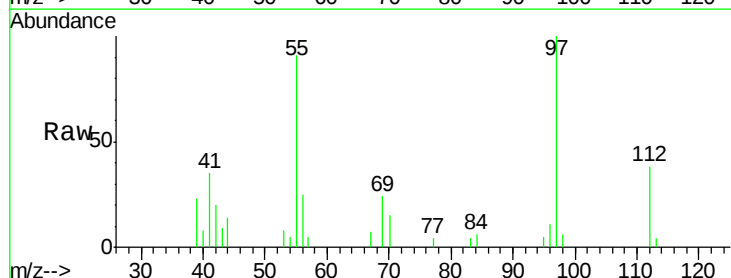
Instrument :
MSVOA_U
ClientSampleId :
ST008MW037-180709

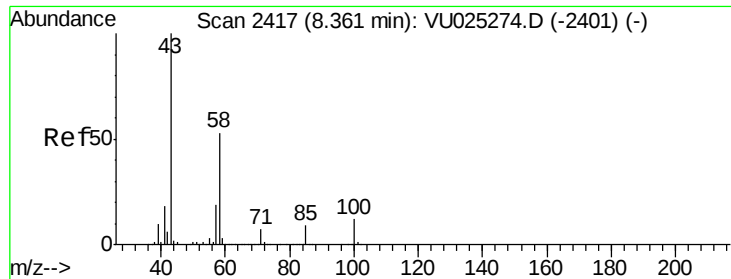
Tot Ion: 97 Resp: 5632
Ion Ratio Lower Upper
97 100
83 3.4 68.9 103.3#
85 0.0 44.4 66.6#
99 0.0 51.0 76.4#



#56
Ethyl methacrylate
Concen: 0.34 ug/l
RT: 8.05 min Scan# 2319
Delta R.T. 0.03 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

Tgt Ion: 69 Resp: 1311
Ion Ratio Lower Upper
69 100
41 176.4 54.8 82.2#
39 106.5 31.1 46.7#

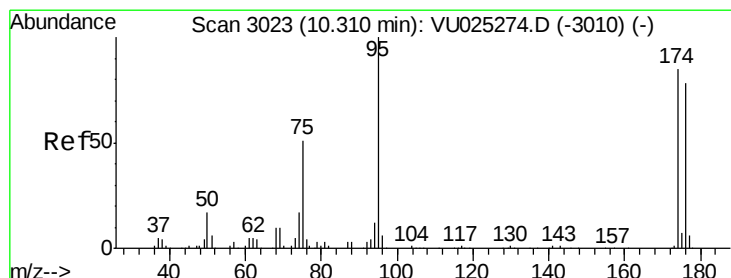
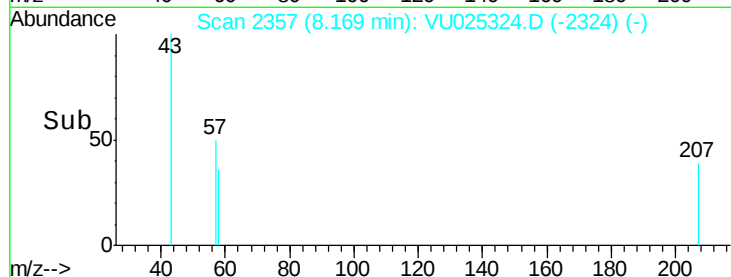
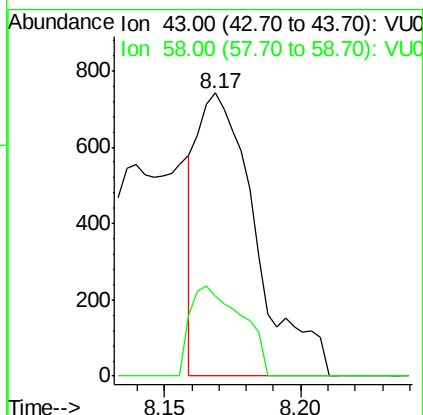
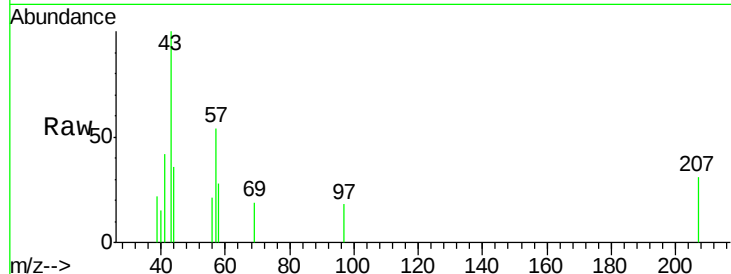




#59
2-Hexanone
Concen: 0.36 ug/l
RT: 8.17 min Scan# 2357
Delta R.T. -0.19 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

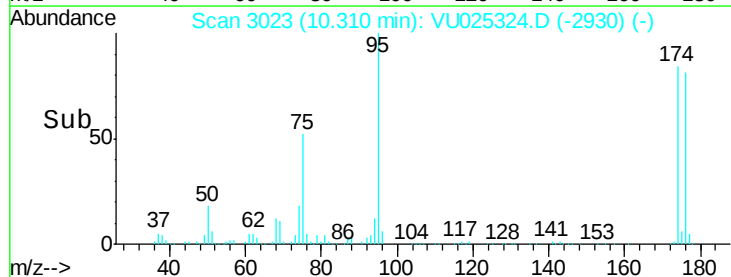
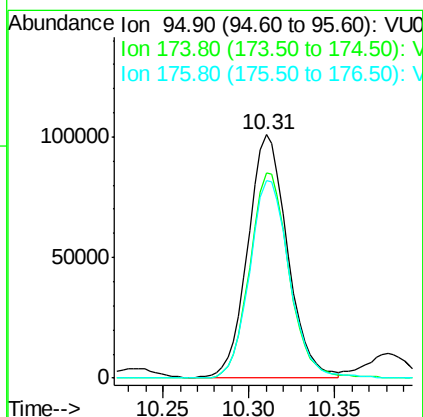
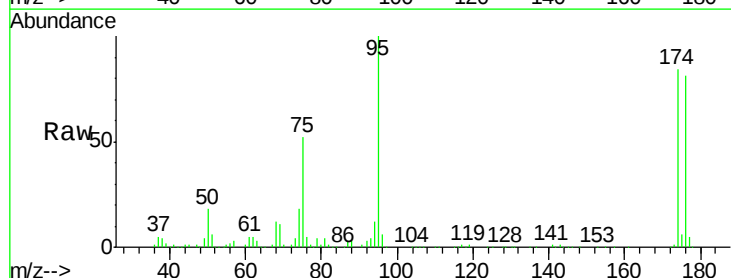
Instrument :
MSVOA_U
ClientSampleId :
ST008MW037-180709

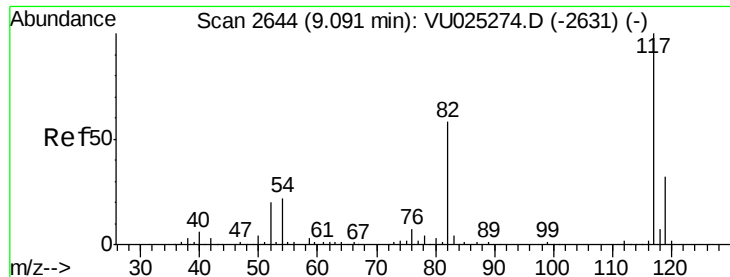
Tot Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
58 28.2 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 46.95 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

Tgt Ion: 95 Resp: 160448
Ion Ratio Lower Upper
95 100
174 84.3 0.0 172.2
176 82.7 0.0 162.6

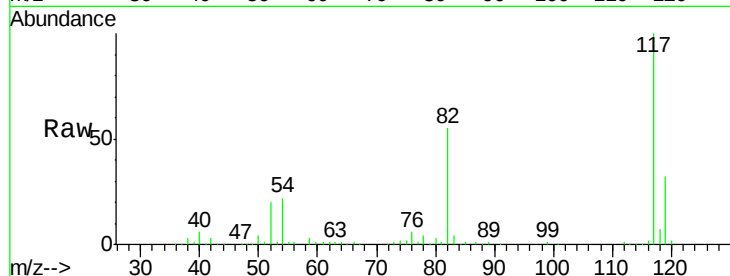




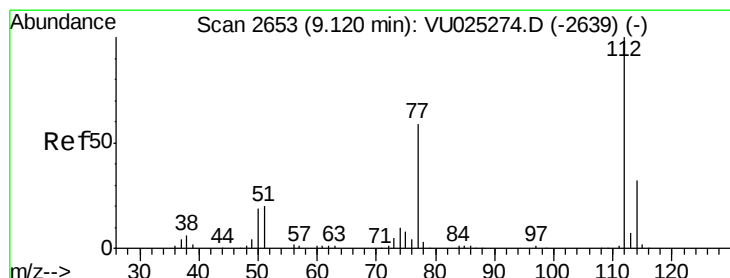
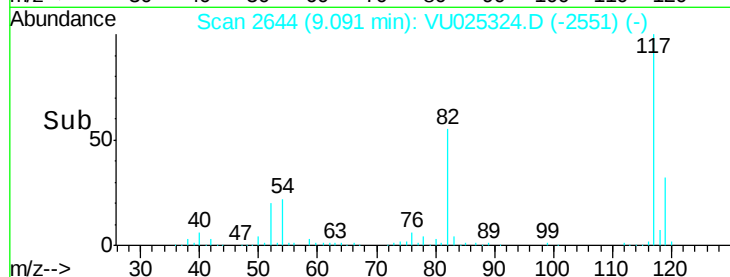
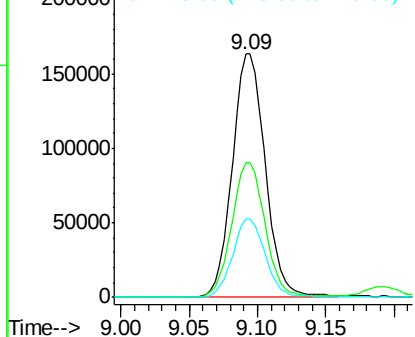
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

Instrument :
MSVOA_U
ClientSampleId :
ST008MW037-180709

Tot Ion:117 Resp: 274551
Ion Ratio Lower Upper
117 100
82 55.4 46.0 69.0
119 32.0 26.0 39.0

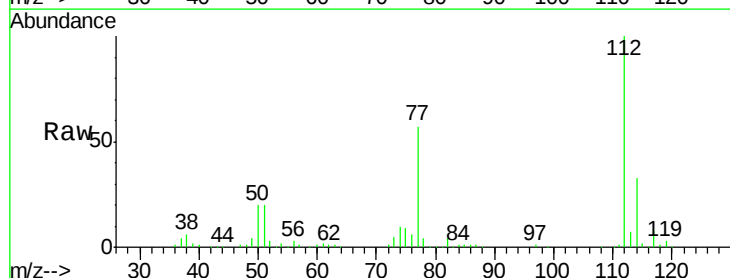


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

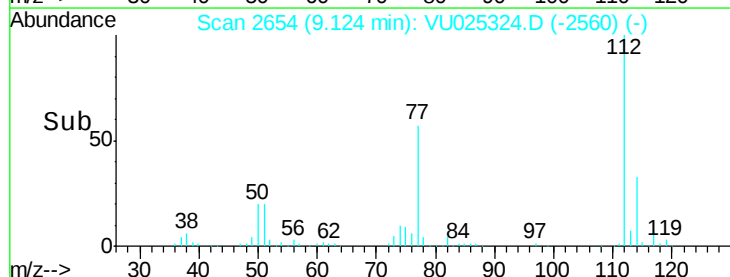
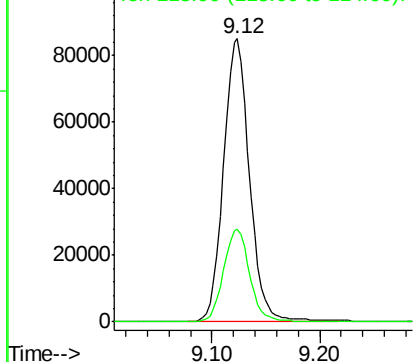


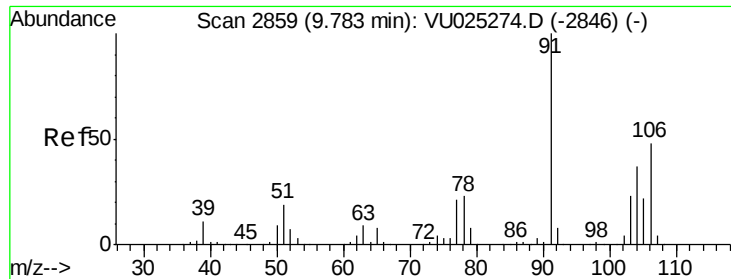
#65
Chlorobenzene
Concen: 20.80 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

Tgt Ion:112 Resp: 142629
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

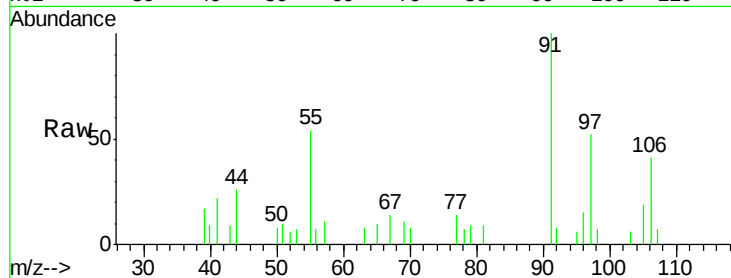




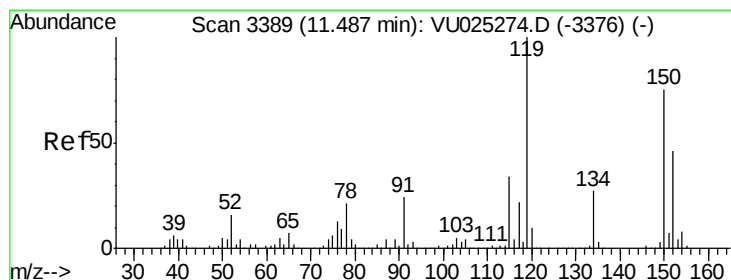
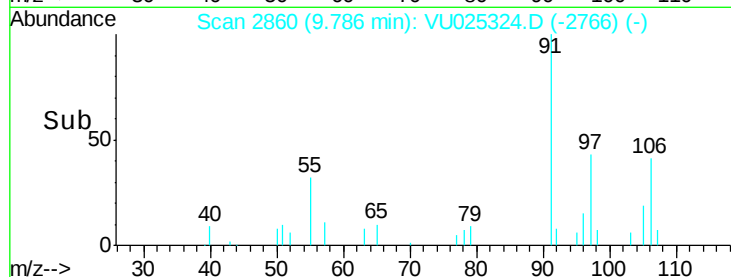
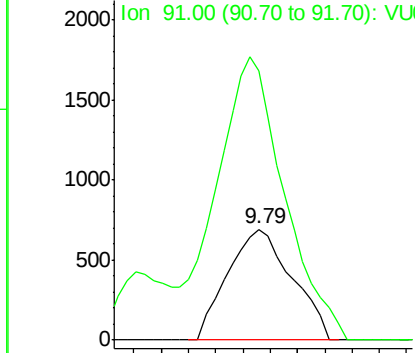
#69
o-Xylene
Concen: 0.25 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

Instrument :
MSVOA_U
ClientSampleId :
ST008MW037-180709

Tot Ion:106 Resp: 1135
Ion Ratio Lower Upper
106 100
91 267.0 105.3 315.8

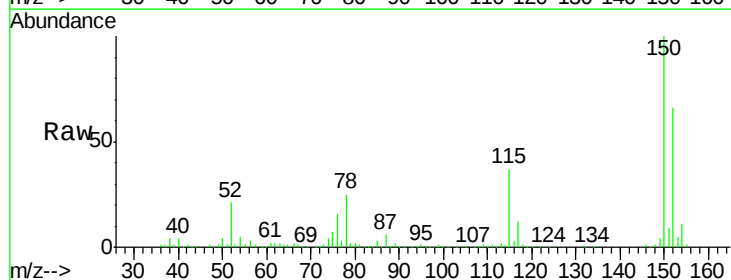


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

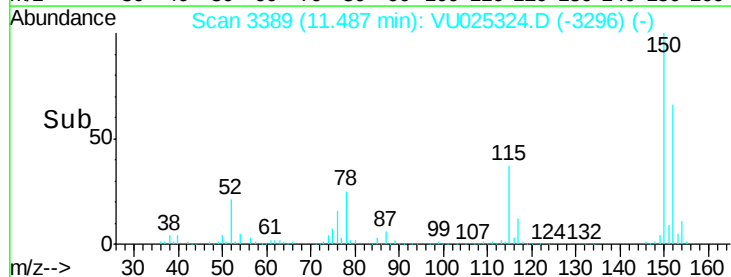
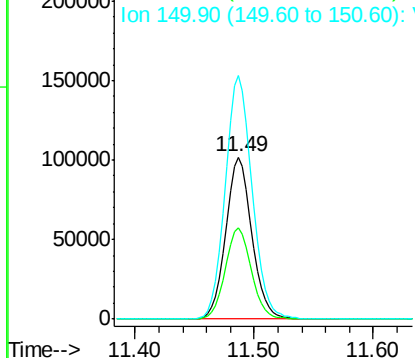


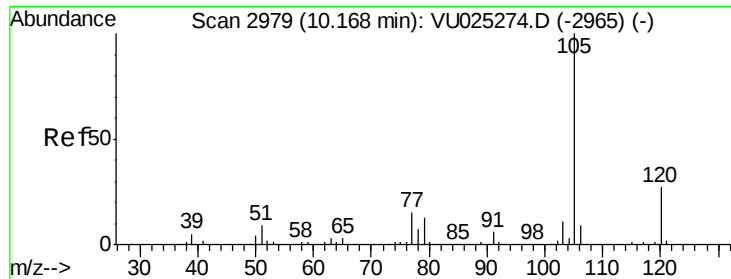
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

Tgt Ion:152 Resp: 154214
Ion Ratio Lower Upper
152 100
115 56.7 40.1 120.3
150 155.4 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





#73

Isopropylbenzene

Concen: 12.48 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument:

MSVOA_U

ClientSampleId:

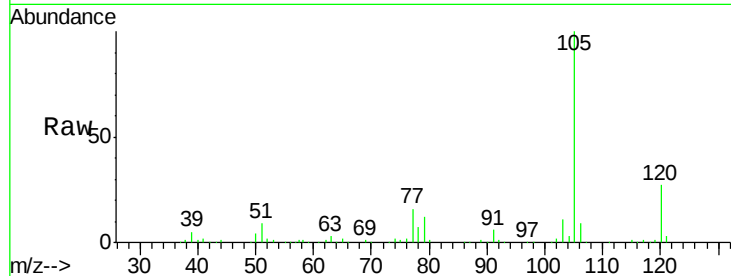
ST008MW037-180709

Tot Ion:105 Resp: 147075

Ion Ratio Lower Upper

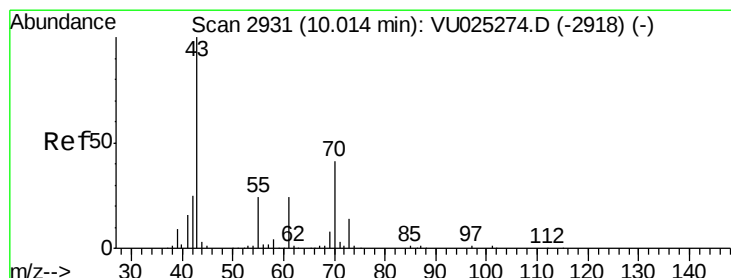
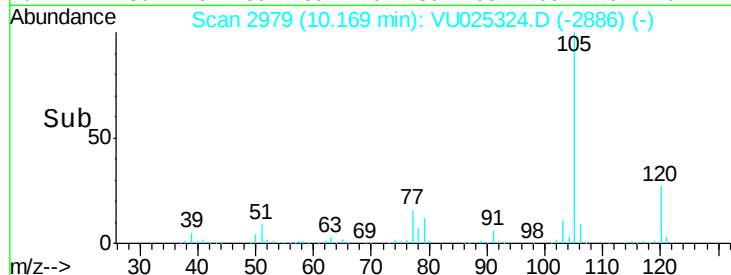
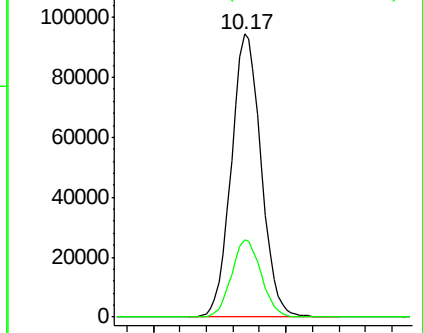
105 100

120 27.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.41 ug/l

RT: 10.05 min Scan# 2943

Delta R.T. 0.04 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Tgt Ion: 43 Resp: 705

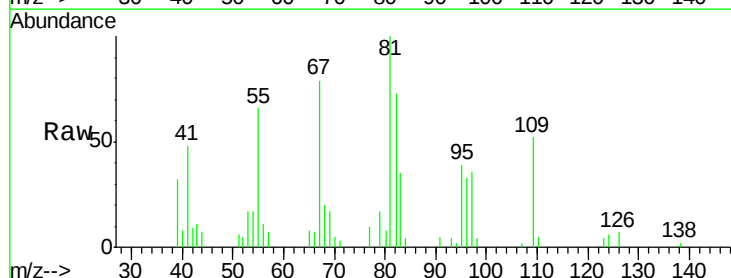
Ion Ratio Lower Upper

43 100

70 37.4 33.4 50.2

55 1361.6 19.0 28.6#

61 0.0 19.3 28.9#

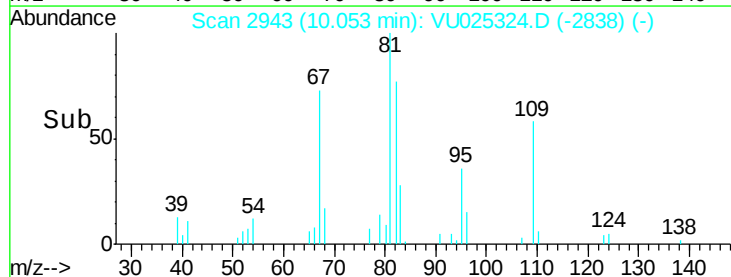
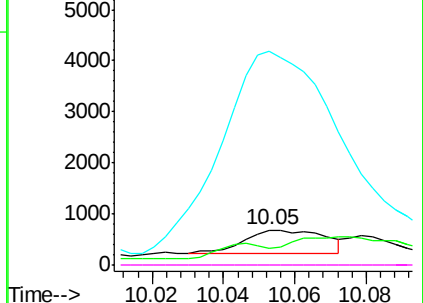


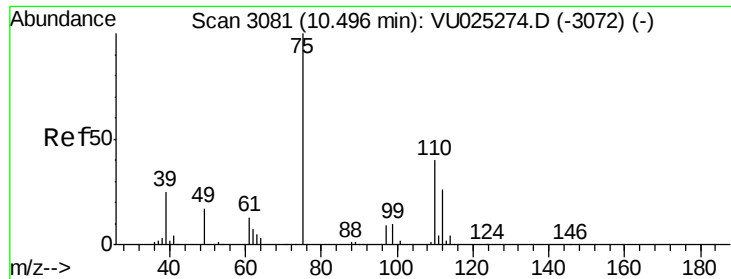
Abundance Ion 43.00 (42.70 to 43.70): VU0

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

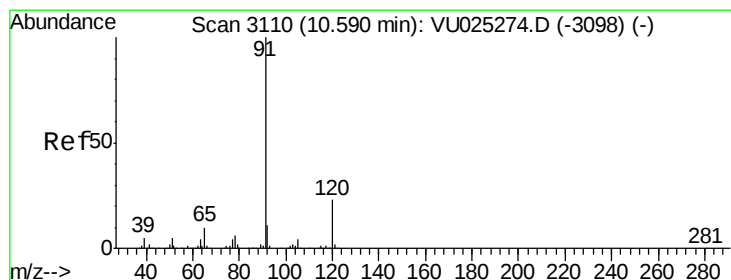
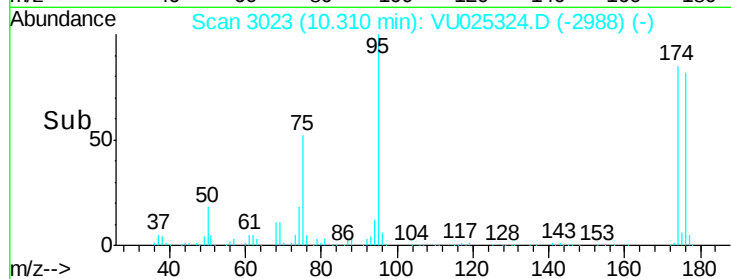
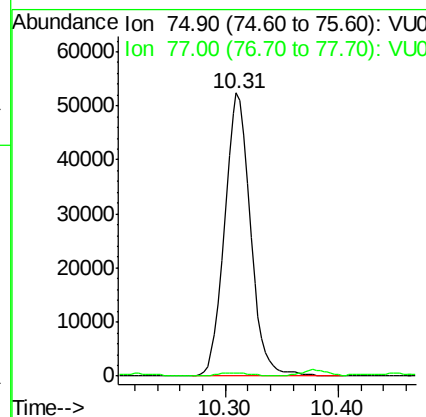
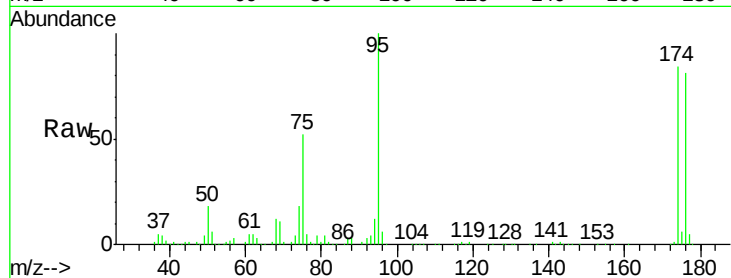




#76
 1,2,3-Trichloropropane
 Concen: 26.61 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025324.D
 Acq: 11 Jul 2018 19:07

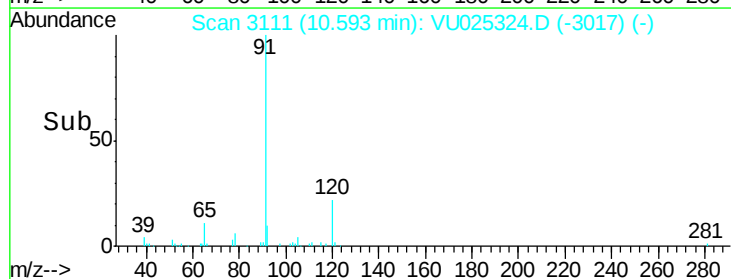
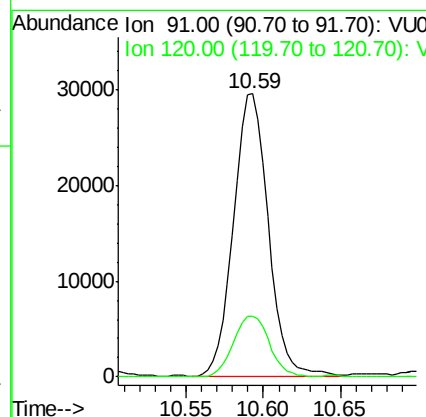
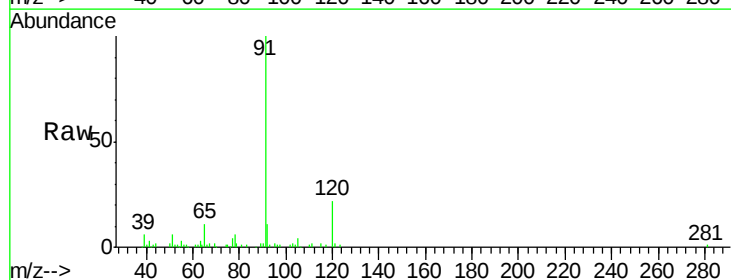
Instrument :
 MSVOA_U
 ClientSampleId :
 ST008MW037-180709

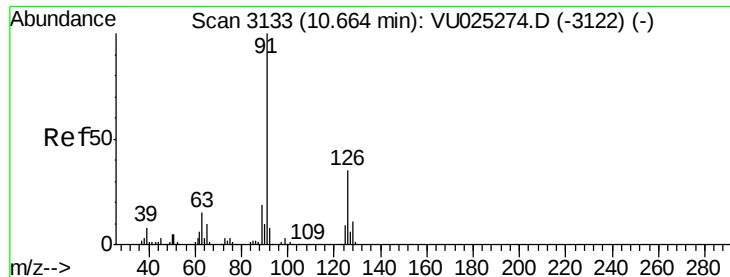
Tot Ion: 75 Resp: 83372
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.4 61.3#



#78
 n-propylbenzene
 Concen: 3.55 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU025324.D
 Acq: 11 Jul 2018 19:07

Tgt Ion: 91 Resp: 46357
 Ion Ratio Lower Upper
 91 100
 120 22.2 11.8 35.3





#79

2-Chlorotoluene

Concen: 6.30 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. -0.07 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

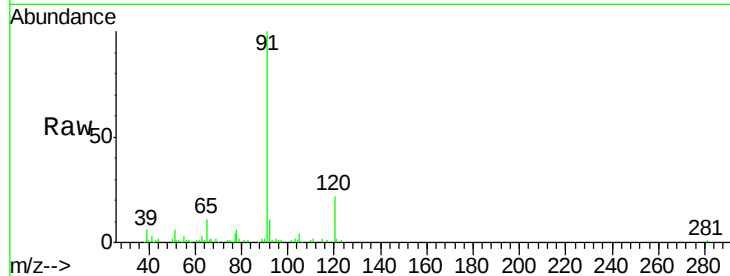
ST008MW037-180709

Tot Ion: 91 Resp: 46357

Ion Ratio Lower Upper

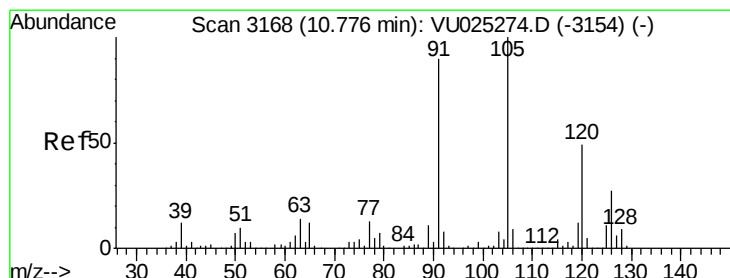
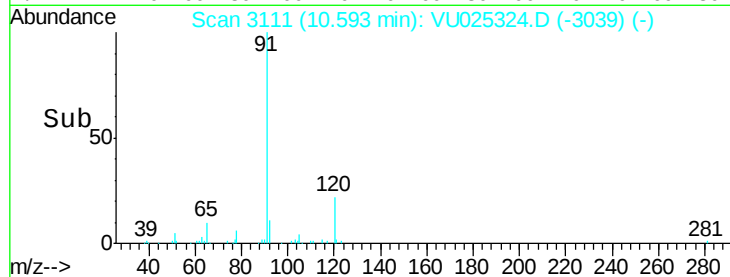
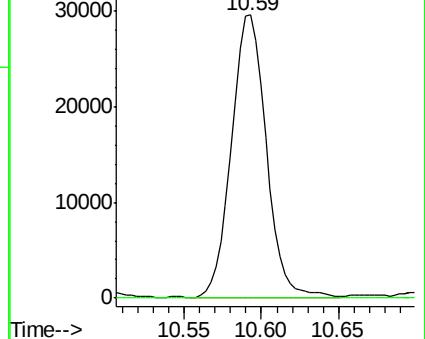
91 100

126 0.0 17.5 52.6#



Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025274.D (-3122) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.43 ug/l

RT: 10.98 min Scan# 3230

Delta R.T. 0.20 min

Lab File: VU025324.D

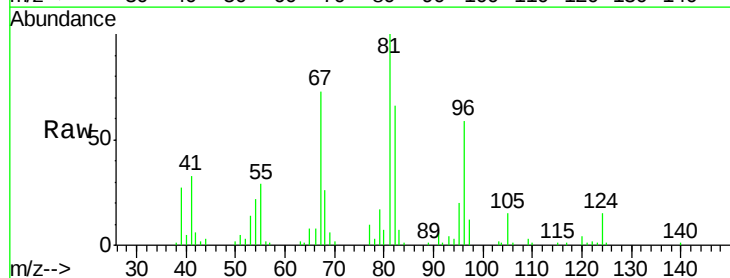
Acq: 11 Jul 2018 19:07

Tgt Ion: 105 Resp: 4240

Ion Ratio Lower Upper

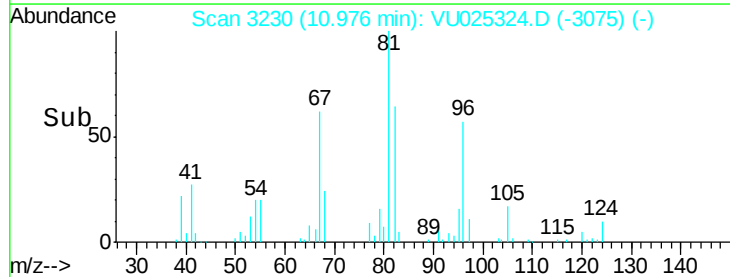
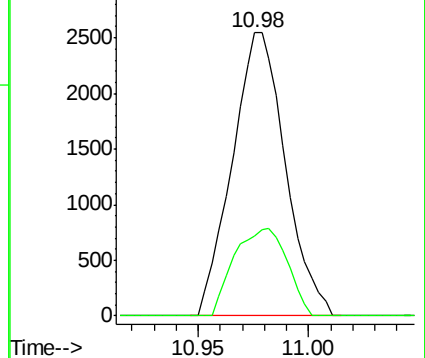
105 100

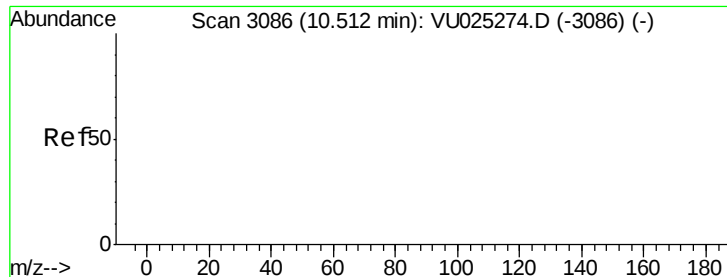
120 30.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025274.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3154) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 67.86 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

ST008MW037-180709

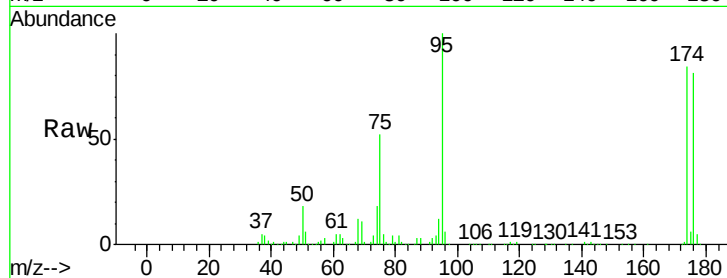
Tot Ion: 75 Resp: 83372

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

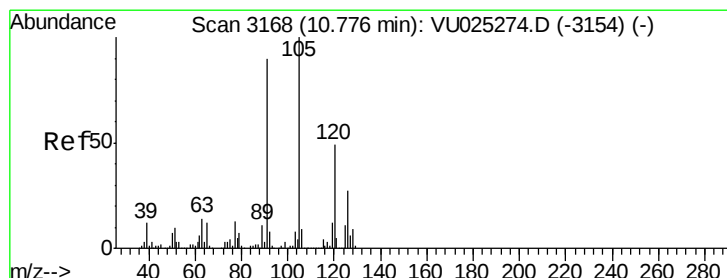
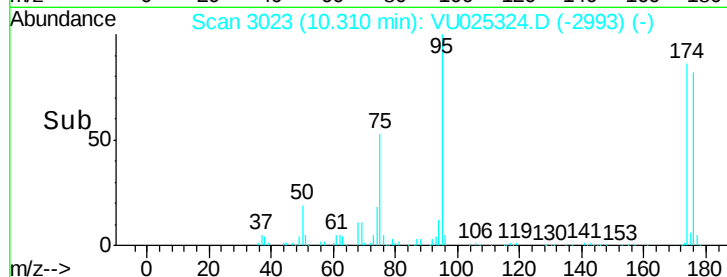
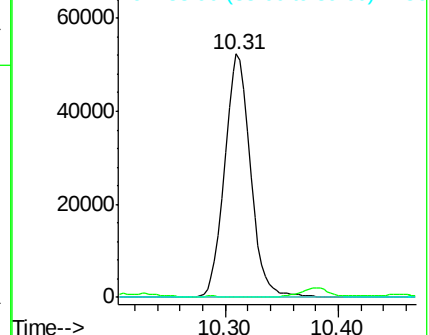
89 0.0 0.0 0.0



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



#82

4-Chlorotoluene

Concen: 5.01 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. -0.18 min

Lab File: VU025324.D

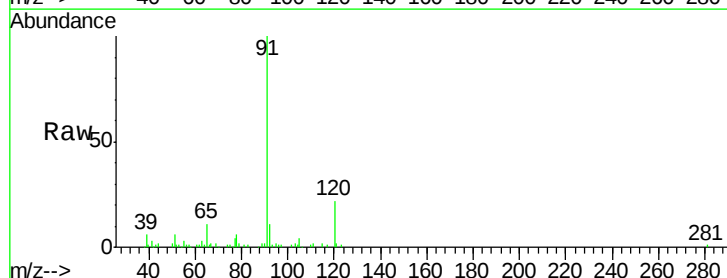
Acq: 11 Jul 2018 19:07

Tgt Ion: 91 Resp: 46357

Ion Ratio Lower Upper

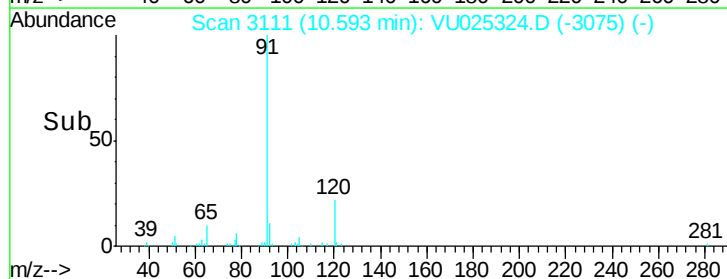
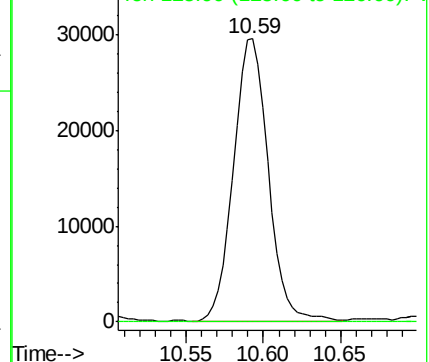
91 100

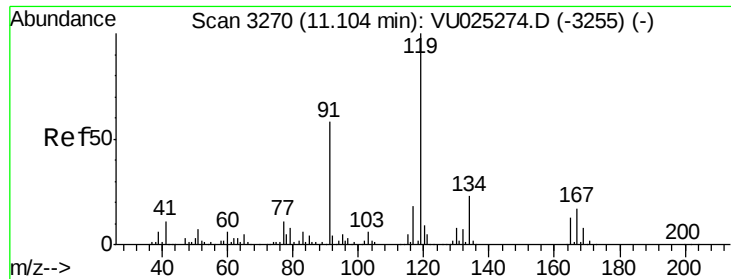
126 0.0 15.3 45.9#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

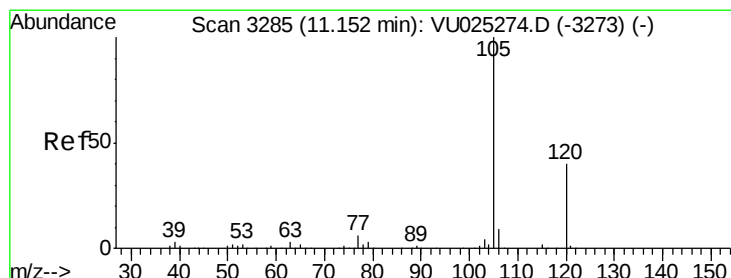
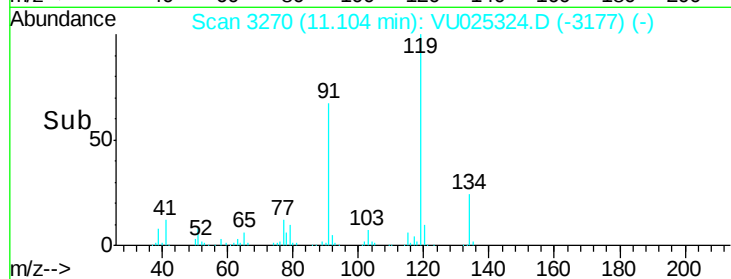
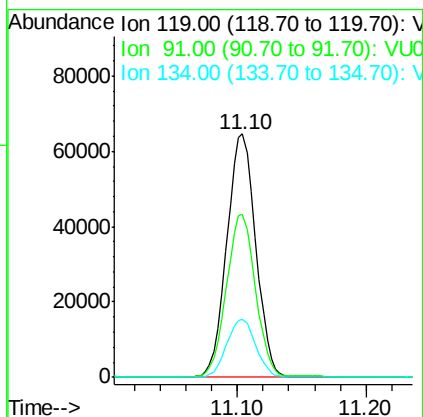
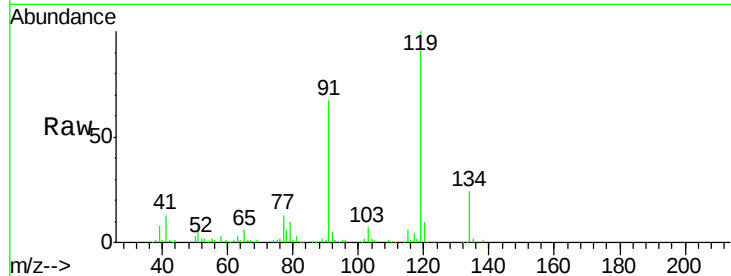




#83
 tert-Butylbenzene
 Concen: 10.03 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025324.D
 Acq: 11 Jul 2018 19:07

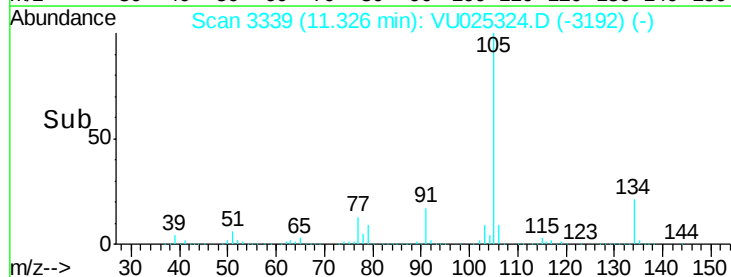
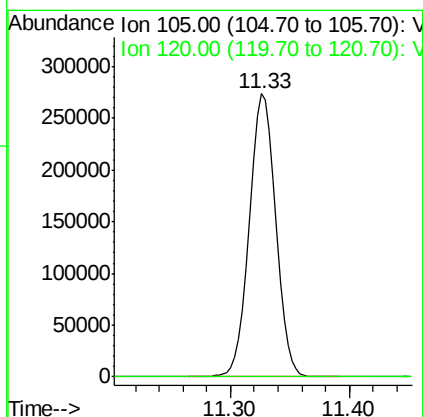
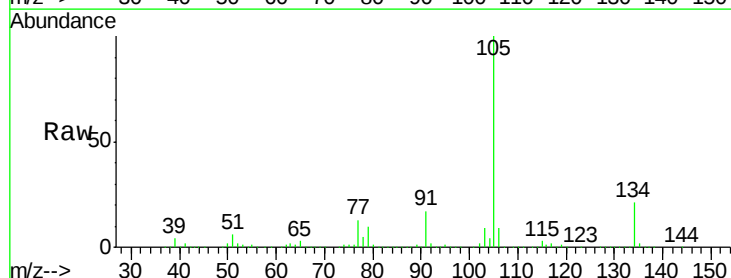
Instrument :
 MSVOA_U
 ClientSampleId :
 ST008MW037-180709

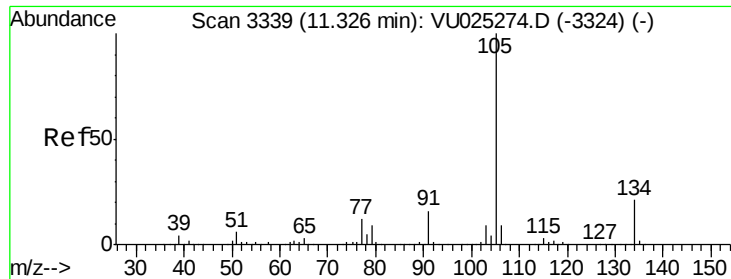
Tot Ion:119 Resp: 100488
 Ion Ratio Lower Upper
 119 100
 91 67.6 29.7 89.1
 134 23.8 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 41.54 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.17 min
 Lab File: VU025324.D
 Acq: 11 Jul 2018 19:07

Tgt Ion:105 Resp: 422087
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.3 66.8#





#85

sec-Butylbenzene

Concen: 35.78 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

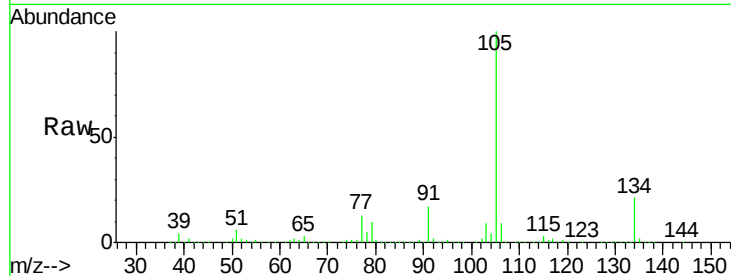
ST008MW037-180709

Tot Ion:105 Resp: 422087

Ion Ratio Lower Upper

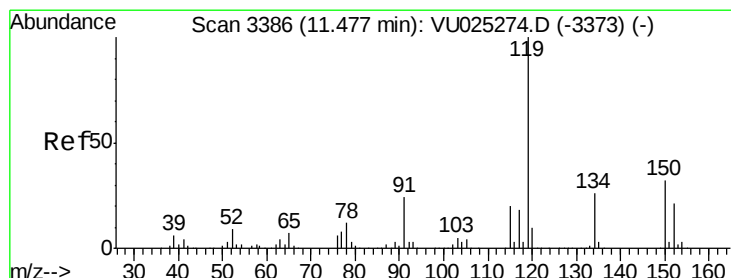
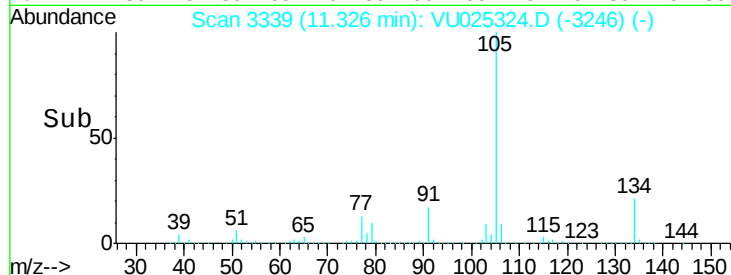
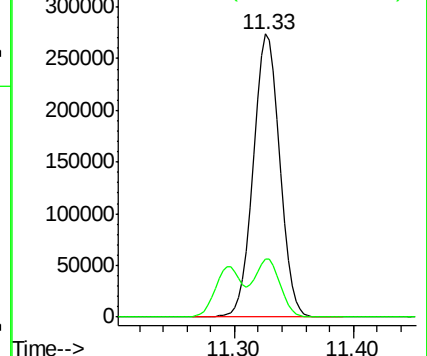
105 100

134 18.6 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 40.04 ug/l

RT: 11.69 min Scan# 3453

Delta R.T. 0.22 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

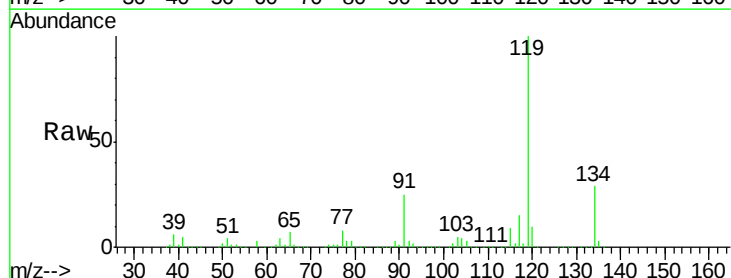
Tgt Ion:119 Resp: 418268

Ion Ratio Lower Upper

119 100

134 28.3 13.2 39.5

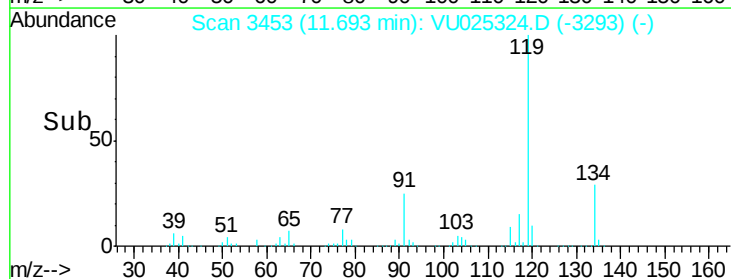
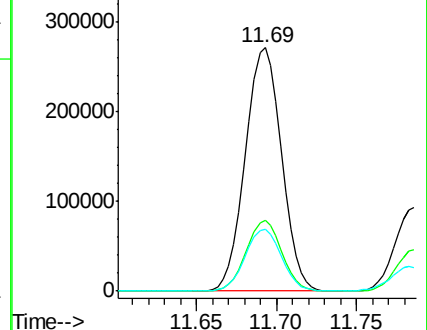
91 25.4 12.0 36.1

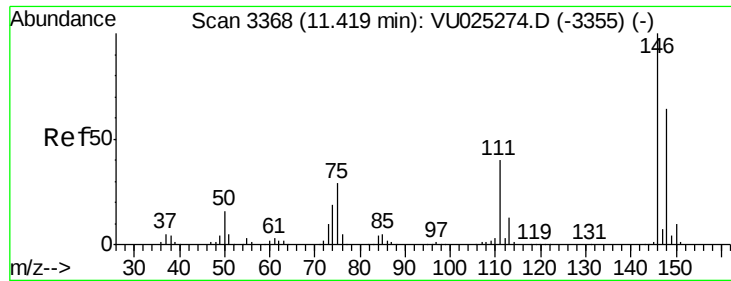


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 1.63 ug/l

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

ST008MW037-180709

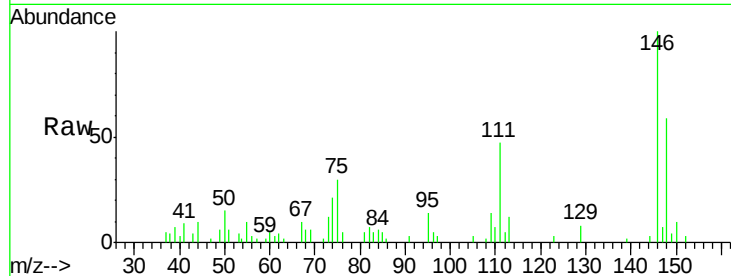
Tot Ion:146 Resp: 8953

Ion Ratio Lower Upper

146 100

111 49.6 19.7 59.1

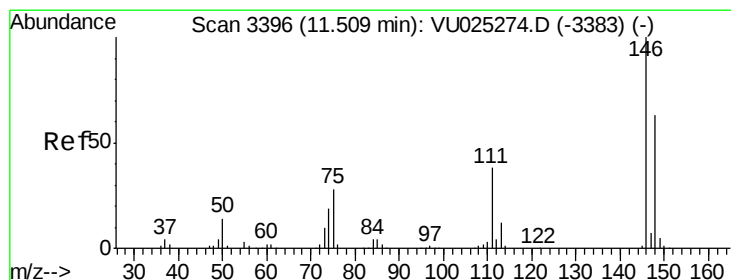
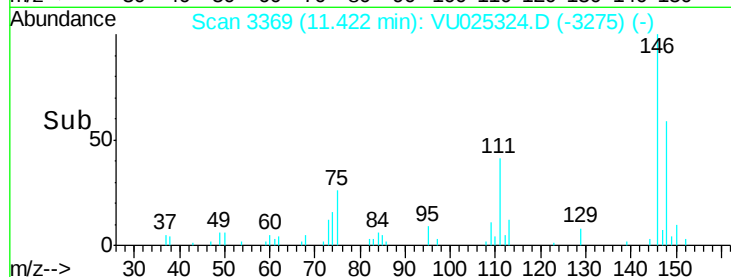
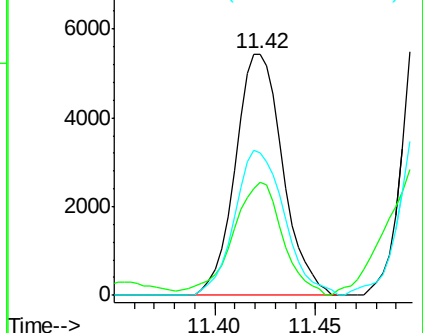
148 63.0 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 5.66 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

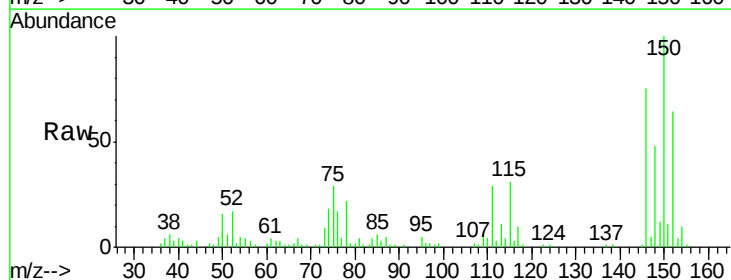
Tgt Ion:146 Resp: 23157

Ion Ratio Lower Upper

146 100

111 47.9 19.4 58.1

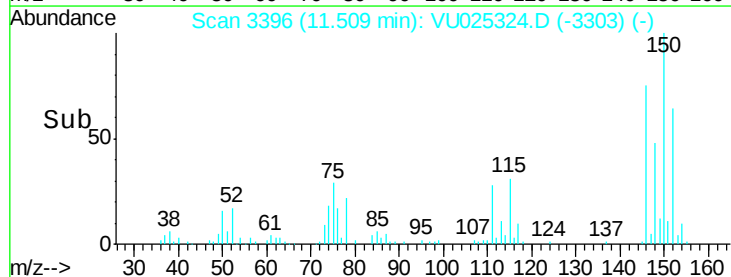
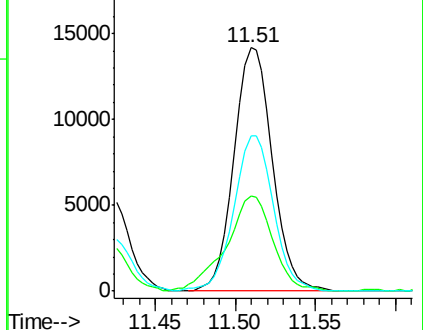
148 66.1 31.7 95.1

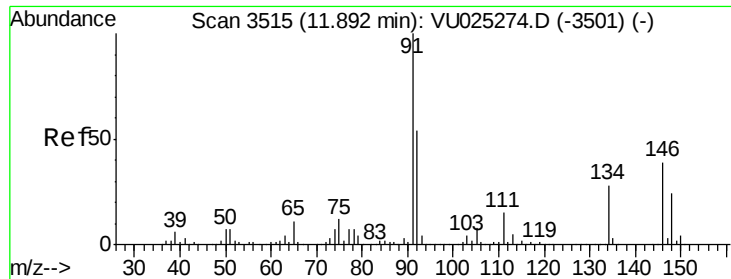


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

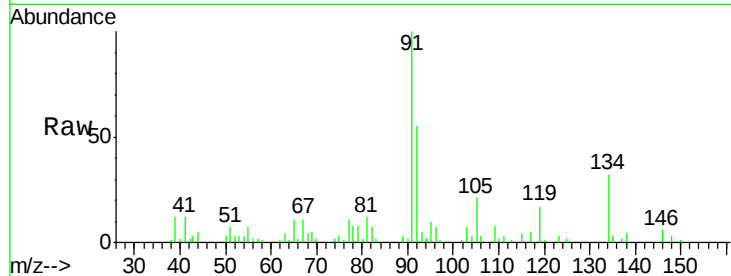




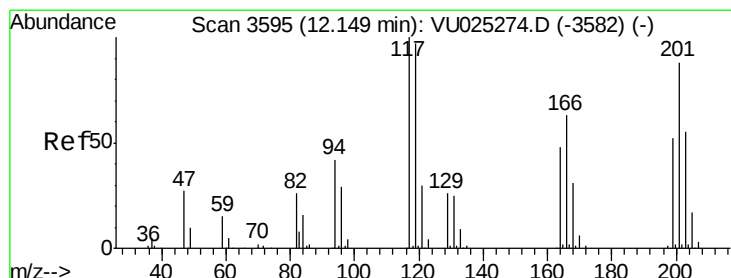
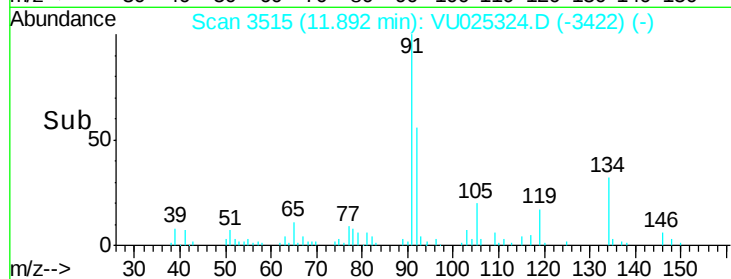
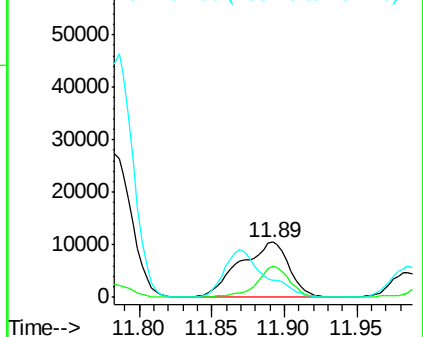
#89
n-Butylbenzene
Concen: 2.92 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

Instrument :
MSVOA_U
ClientSampleId :
ST008MW037-180709

Tot Ion: 91 Resp: 25054
Ion Ratio Lower Upper
91 100
92 37.4 26.5 79.5
134 0.0 13.6 40.7#

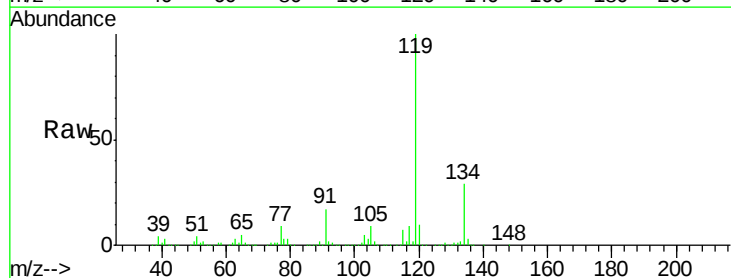


Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

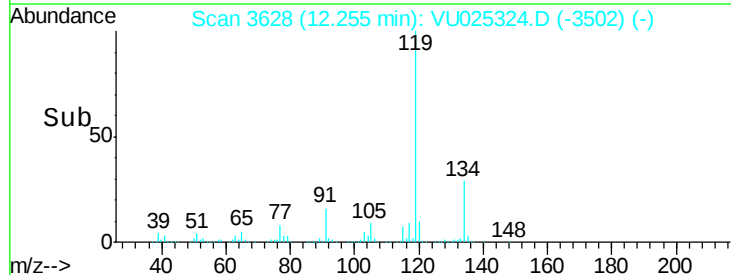
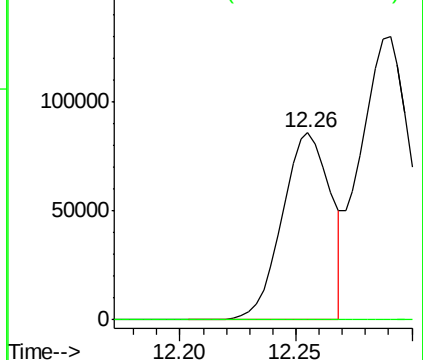


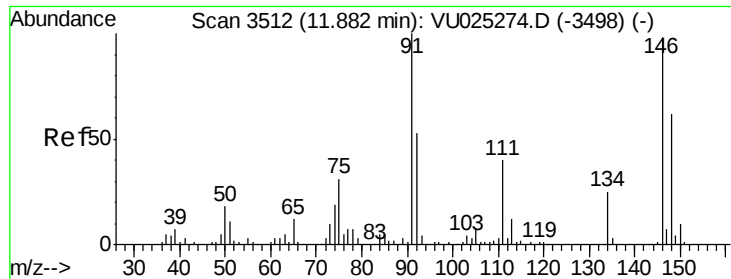
#90
Hexachloroethane
Concen: 70.62 ug/l
RT: 12.26 min Scan# 3628
Delta R.T. 0.11 min
Lab File: VU025324.D
Acq: 11 Jul 2018 19:07

Tgt Ion: 117 Resp: 124908
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 0.21 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

ST008MW037-180709

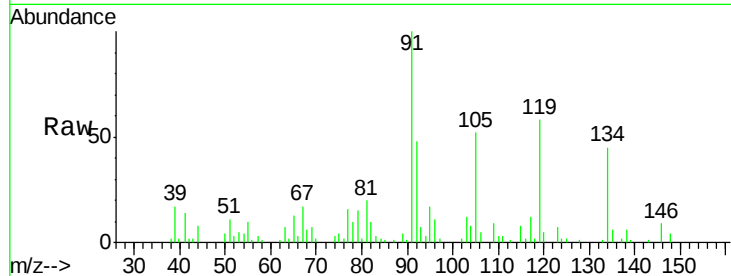
Tot Ion:146 Resp: 1196

Ion Ratio Lower Upper

146 100

111 41.9 20.6 61.8

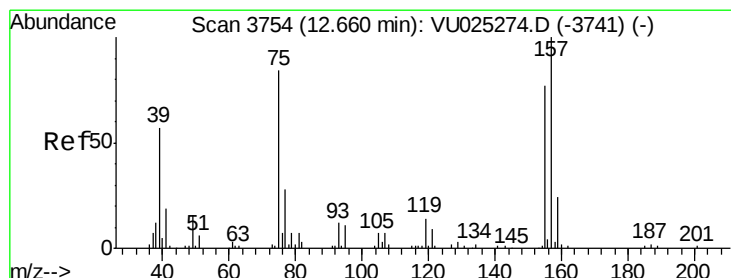
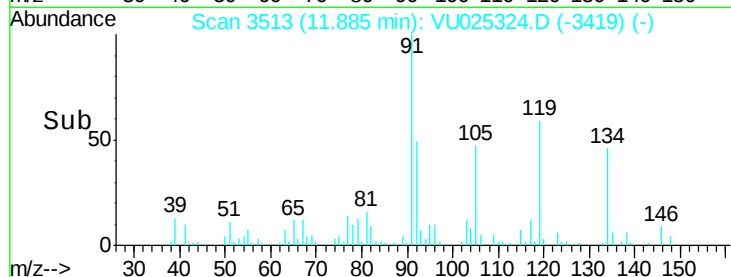
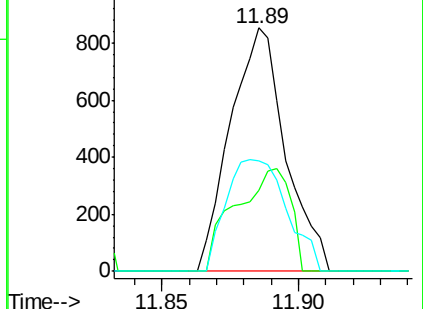
148 50.6 31.5 94.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.06 ug/l

RT: 12.65 min Scan# 3751

Delta R.T. -0.01 min

Lab File: VU025324.D

Acq: 11 Jul 2018 19:07

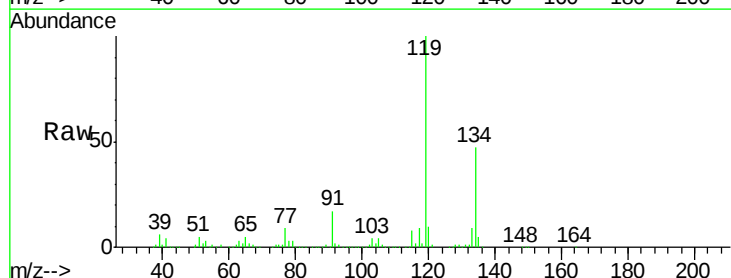
Tgt Ion: 75 Resp: 6597

Ion Ratio Lower Upper

75 100

155 0.0 44.5 133.3#

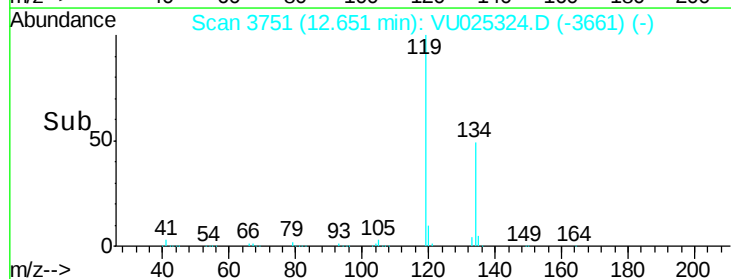
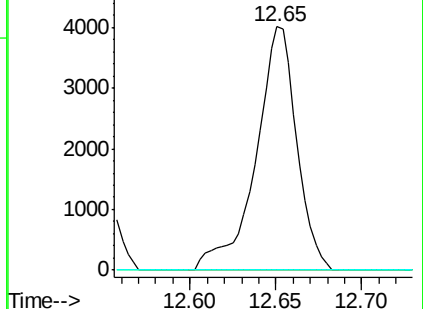
157 0.0 57.0 170.8#

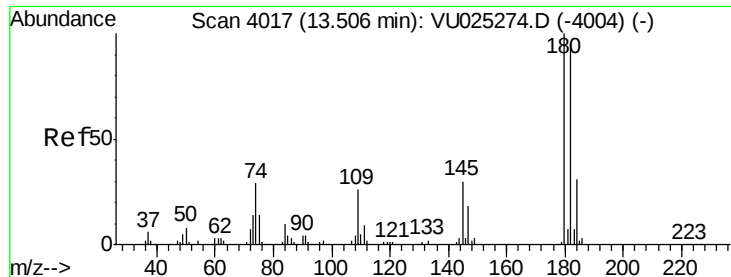


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

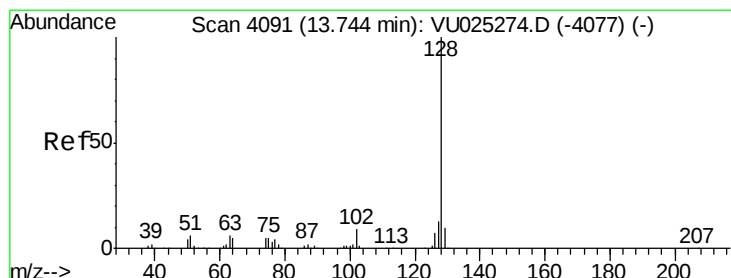
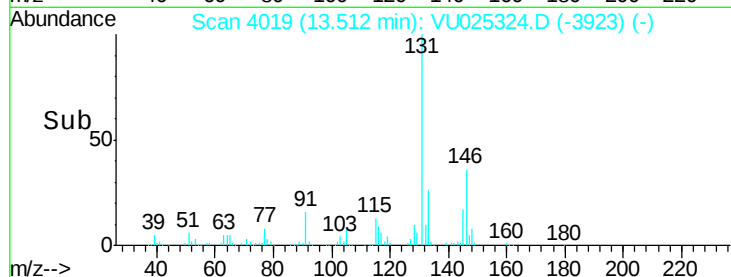
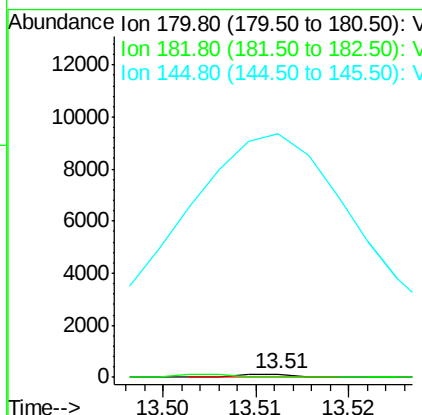
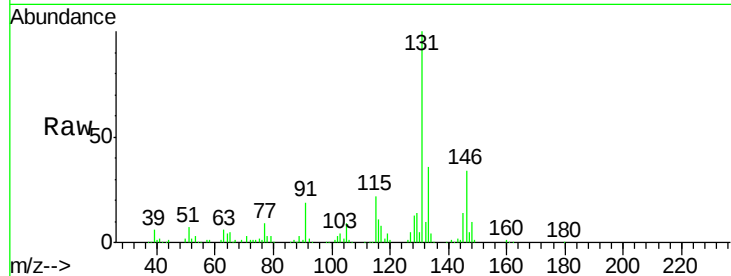




#93
 1,2,4-Trichlorobenzene
 Concen: 3.29 ug/l
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU025324.D
 Acq: 11 Jul 2018 19:07

Instrument :
 MSVOA_U
 ClientSampleId :
 ST008MW037-180709

Tot Ion:180 Resp: 46
 Ion Ratio Lower Upper
 180 100
 182 113.0 47.3 141.9
 145 29532.6 14.9 44.7#



#95
 Naphthalene
 Concen: 2.85 ug/l
 RT: 13.73 min Scan# 4087
 Delta R.T. -0.01 min
 Lab File: VU025324.D
 Acq: 11 Jul 2018 19:07

Tgt Ion:128 Resp: 5138
 Ion Ratio Lower Upper
 128 100
 127 29.8 10.5 15.7#
 129 77.1 8.3 12.5#

