

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025301.D
 Acq On : 10 Jul 2018 20:08
 Operator : MD/SY
 Sample : J3898-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW009-180705

Quant Time: Jul 11 02:06:06 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	202086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	305686	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	158733	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	153571	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	4.89	113	119849	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
50) Toluene-d8	7.57	98	440583	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	10.31	95	169647	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	807	0.95	ug/l	96
4) Vinyl Chloride	1.40	62	992	0.43	ug/l #	83
5) Bromomethane	1.64	94	498	Below Cal		96
6) Chloroethane	1.56	64	3889	2.94	ug/l #	54
10) Methyl Iodide	2.42	142	215	7.78	ug/l #	60
11) Tert butyl alcohol	2.82	59	7081	10.34	ug/l #	92
13) Acrolein	2.19	56	154	0.34	ug/l #	1
16) Acetone	2.32	43	23338	19.15	ug/l	98
17) Carbon Disulfide	2.48	76	1968	2.25	ug/l #	74
18) Methyl Acetate	2.70	43	4183	1.30	ug/l #	52
27) cis-1,2-Dichloroethene	4.23	96	1242	0.46	ug/l	73
31) Cyclohexane	4.99	56	6727	2.41	ug/l #	42
36) 1,1-Dichloropropene	4.99	75	14160	4.17	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19673	5.38	ug/l #	16
39) Methylcyclohexane	6.42	83	4665	1.10	ug/l	99
40) Benzene	5.39	78	89985	9.19	ug/l	100
43) Isopropyl Acetate	5.54	43	7690	1.27	ug/l #	61
48) Methyl methacrylate	6.59	41	1214	0.40	ug/l #	33
52) Toluene	7.64	92	1588	0.25	ug/l	91
55) 1,1,2-Trichloroethane	8.06	97	2124	0.82	ug/l #	15
59) 2-Hexanone	8.32	43	5411	1.69	ug/l #	26
65) Chlorobenzene	9.12	112	3527545	494.29	ug/l	99
67) Ethyl Benzene	9.25	91	5008	0.41	ug/l	96
69) o-Xylene	9.78	106	1985	0.42	ug/l	68
73) Isopropylbenzene	10.17	105	153291	12.64	ug/l	99
74) N-amyl acetate	10.05	43	11932	3.61	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	10.50	83	7374	1.86	ug/l #	37
76) 1,2,3-Trichloropropane	10.31	75	87541	27.13	ug/l #	37
78) n-propylbenzene	10.59	91	163220	12.13	ug/l	99
79) 2-Chlorotoluene	10.59	91	163220	21.21	ug/l #	41
80) 1,3,5-Trimethylbenzene	10.98	105	25046	2.45	ug/l	75
81) trans-1,4-Dichloro-2-buten	10.31	75	87541	69.22	ug/l #	100
82) 4-Chlorotoluene	10.59	91	163220	17.13	ug/l #	45
83) tert-Butylbenzene	11.10	119	83485	8.10	ug/l	91

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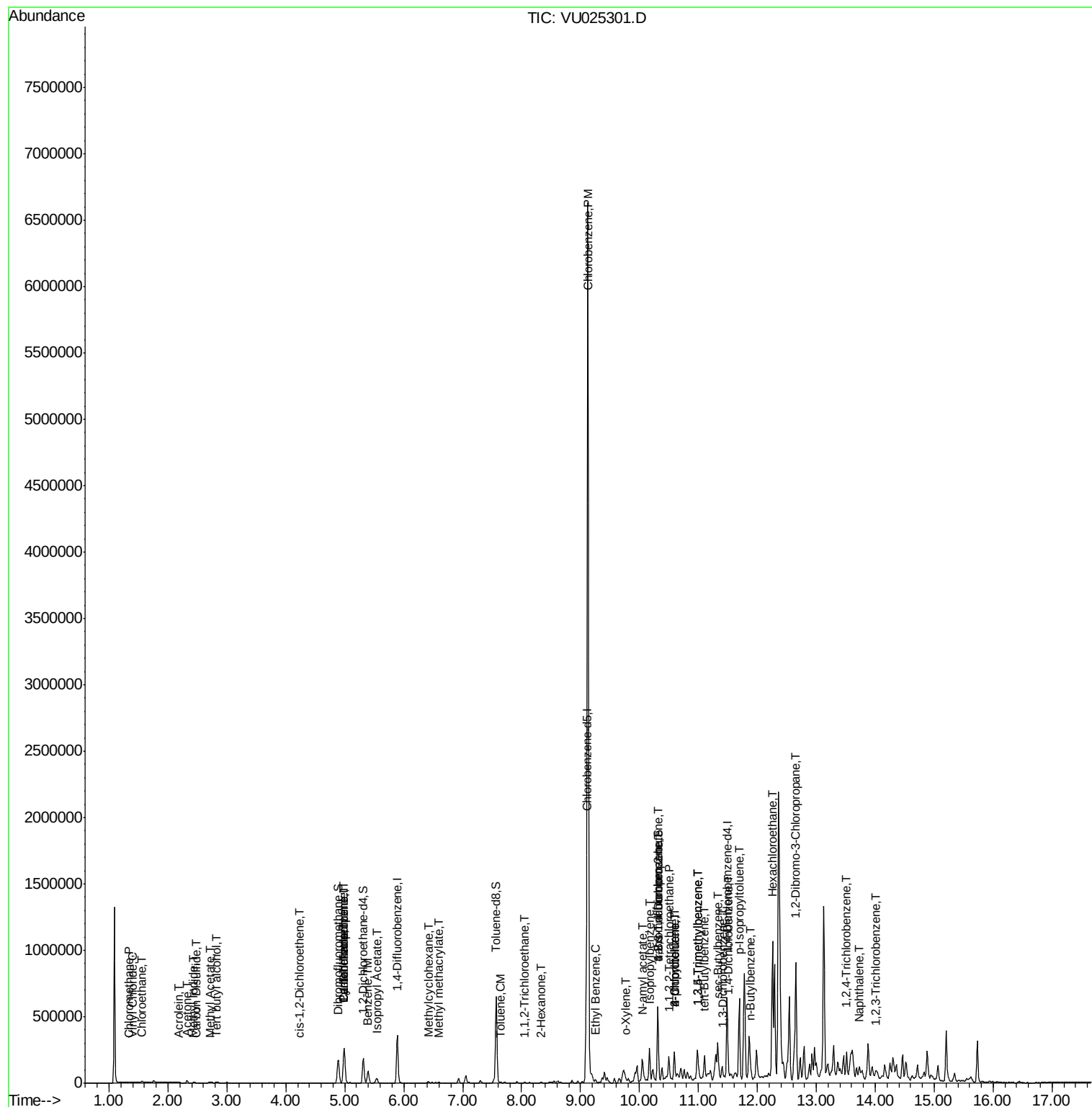
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	10.98	105	25046	2.39	ug/l	79
85) sec-Butylbenzene	11.33	105	148857	12.26	ug/l	100
86) p-Isopropyltoluene	11.69	119	342441	31.85	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	1888	0.33	ug/l #	66
88) 1,4-Dichlorobenzene	11.51	146	2350	1.90	ug/l #	50
89) n-Butylbenzene	11.89	91	26435	2.99	ug/l #	67
90) Hexachloroethane	12.26	117	44586	24.49	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	12.65	75	3807	3.96	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.52	180	21	3.29	ug/l #	1
95) Naphthalene	13.74	128	12567	3.44	ug/l #	55
96) 1,2,3-Trichlorobenzene	14.00	180	41	2.54	ug/l #	12

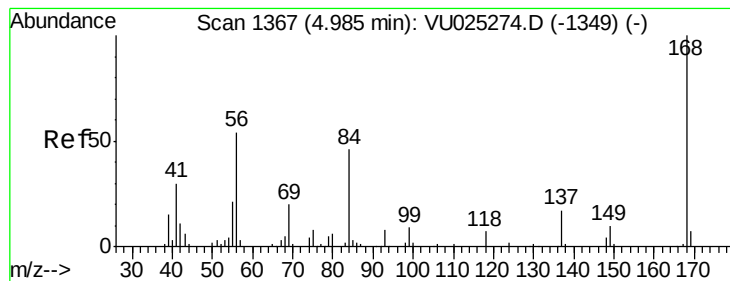
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

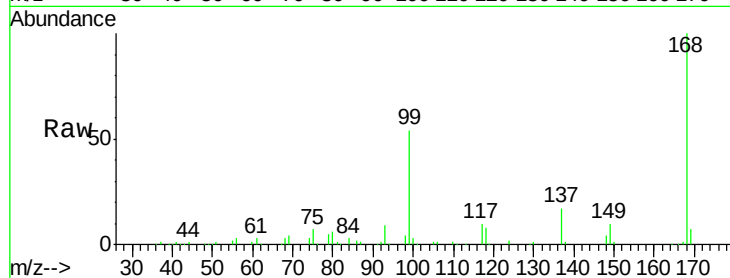
SS038MW009-180705

Tot Ion:168 Resp: 202086

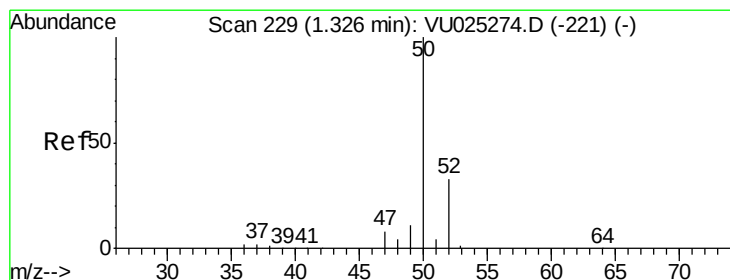
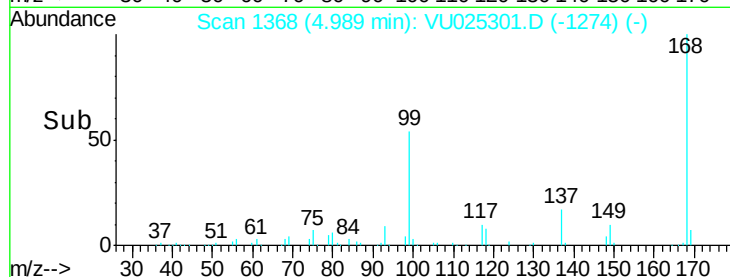
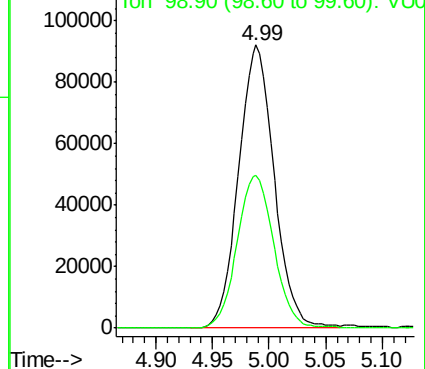
Ion Ratio Lower Upper

168 100

99 54.1 42.8 64.2



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



#3

Chloromethane

Concen: 0.95 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025301.D

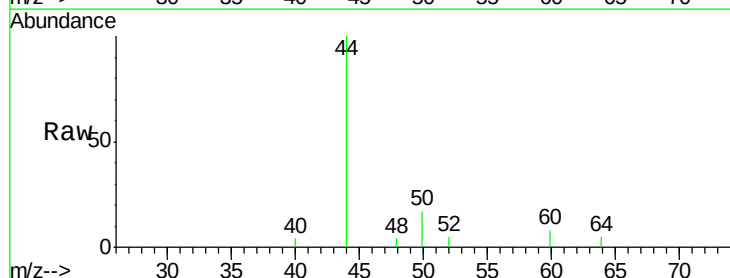
Acq: 10 Jul 2018 20:08

Tgt Ion: 50 Resp: 807

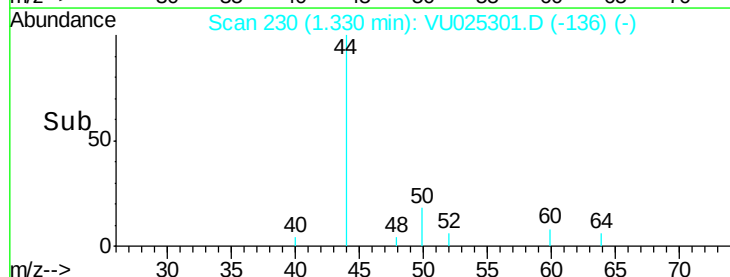
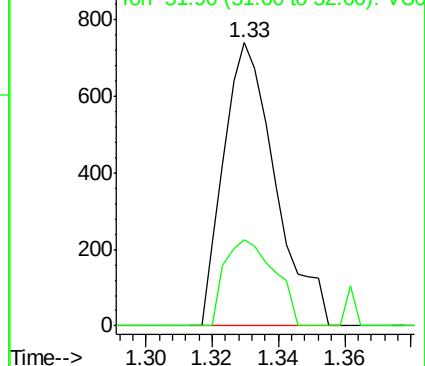
Ion Ratio Lower Upper

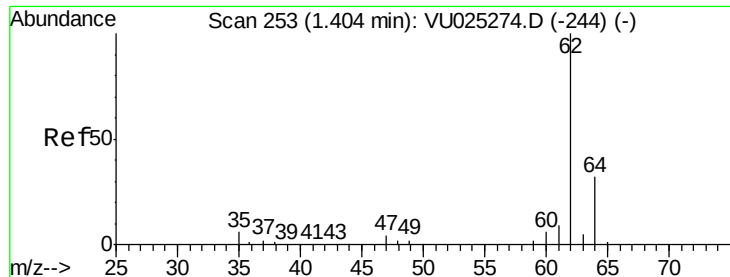
50 100

52 30.6 26.5 39.7



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





#4

Vinyl Chloride

Concen: 0.43 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

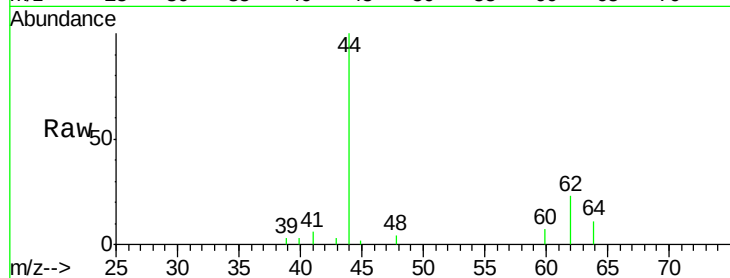
SS038MW009-180705

Tot Ion: 62 Resp: 992

Ion Ratio Lower Upper

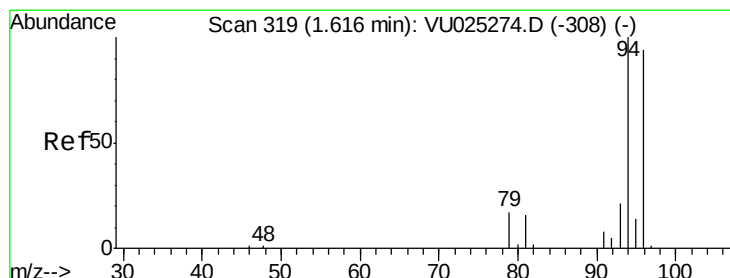
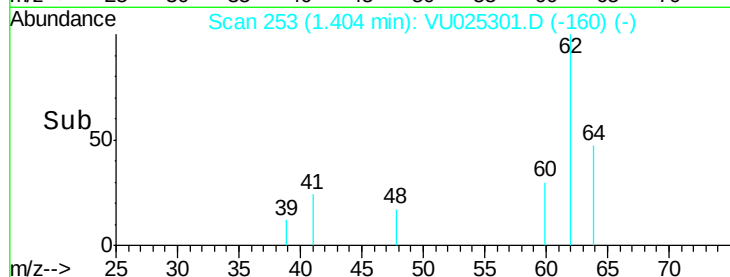
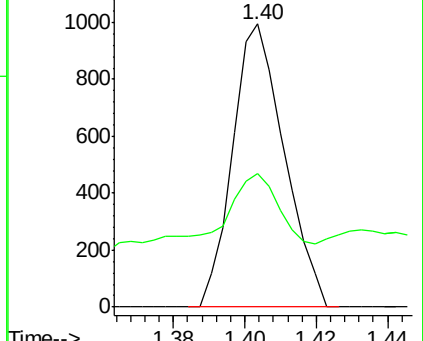
62 100

64 22.2 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025301.D

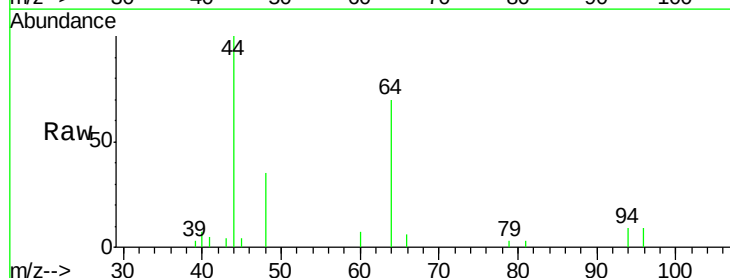
Acq: 10 Jul 2018 20:08

Tgt Ion: 94 Resp: 498

Ion Ratio Lower Upper

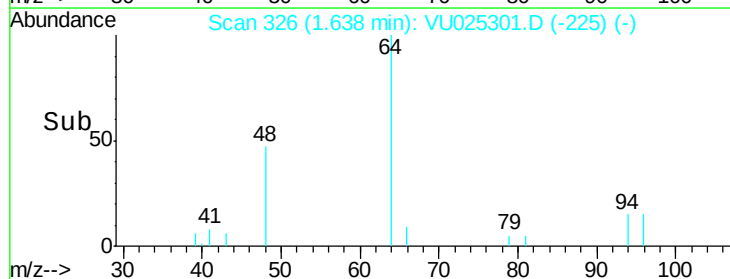
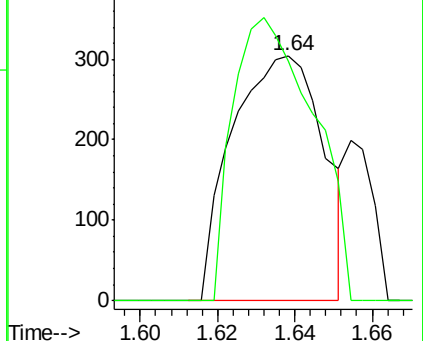
94 100

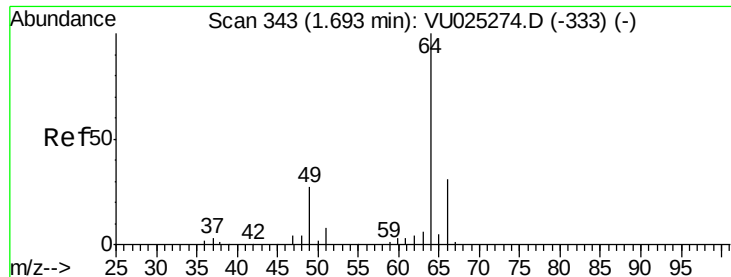
96 97.7 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: 2.94 ug/l

RT: 1.56 min Scan# 302

Delta R.T. -0.13 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

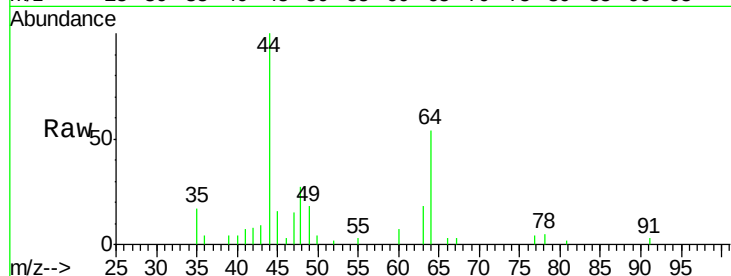
SS038MW009-180705

Tot Ion: 64 Resp: 3889

Ion Ratio Lower Upper

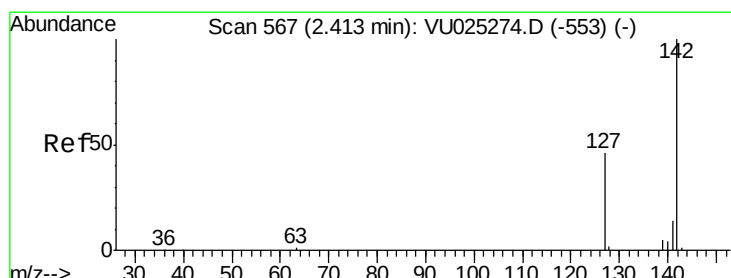
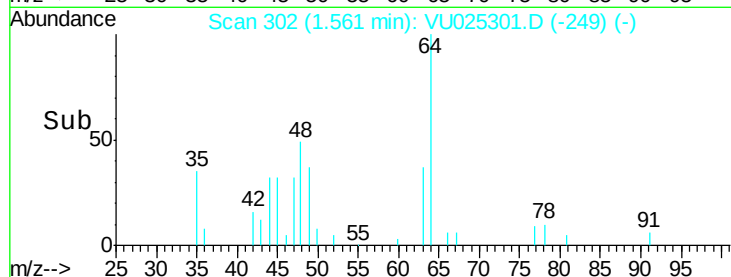
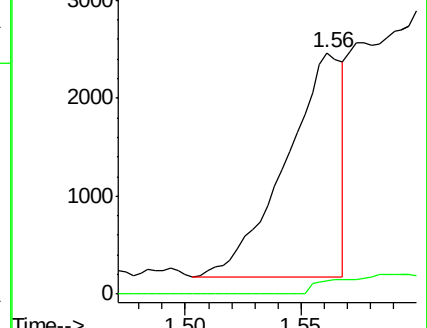
64 100

66 5.9 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU025274.D (-333) (-)

Ion 65.90 (65.60 to 66.60): VU025274.D (-333) (-)



#10

Methyl Iodide

Concen: 7.78 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

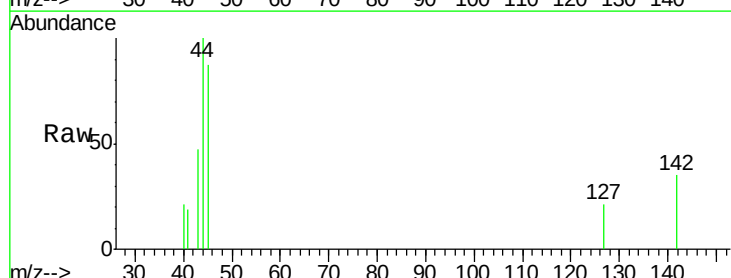
Tgt Ion: 142 Resp: 215

Ion Ratio Lower Upper

142 100

127 73.0 36.5 54.7#

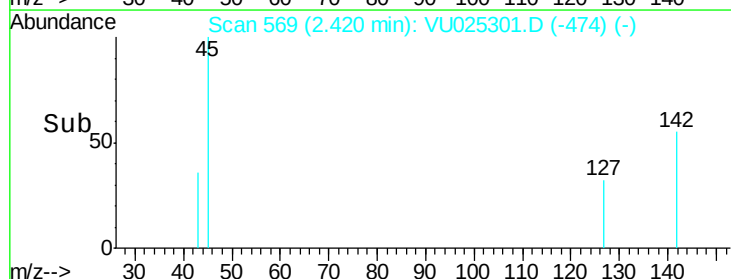
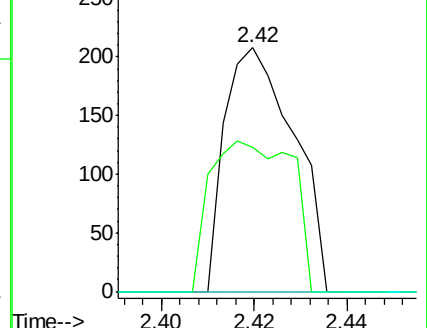
141 0.0 11.4 17.2#

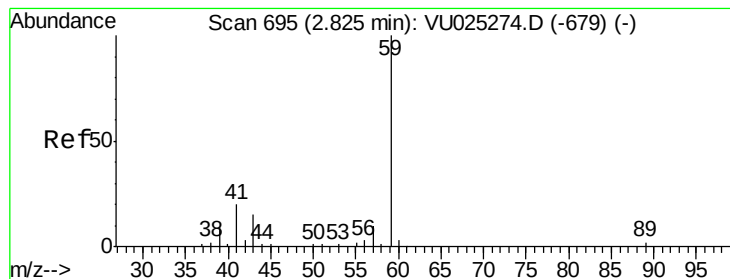


Abundance Ion 141.80 (141.50 to 142.50): VU025274.D (-553) (-)

Ion 126.80 (126.50 to 127.50): VU025274.D (-553) (-)

Ion 140.80 (140.50 to 141.50): VU025274.D (-553) (-)





#11

Tert butyl alcohol

Concen: 10.34 ug/l

RT: 2.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

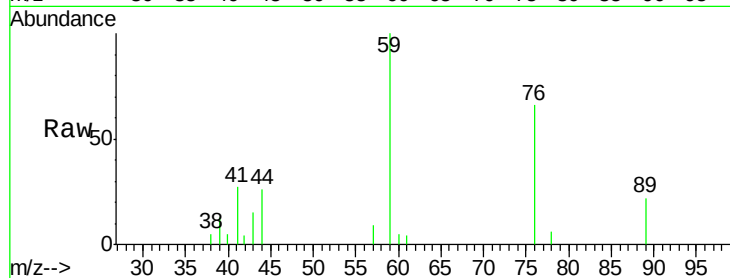
SS038MW009-180705

Tot Ion: 59 Resp: 7081

Ion Ratio Lower Upper

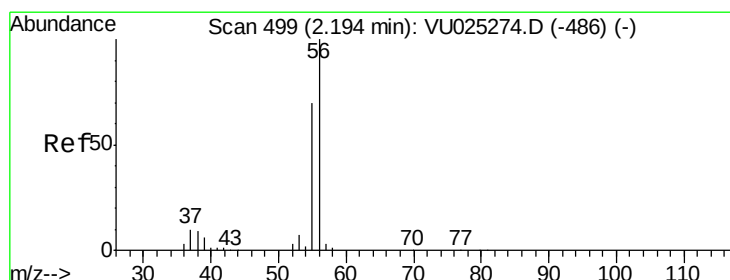
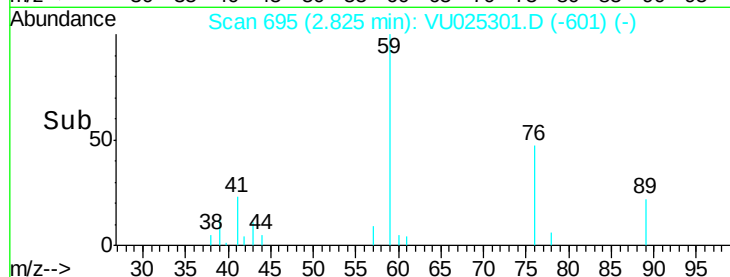
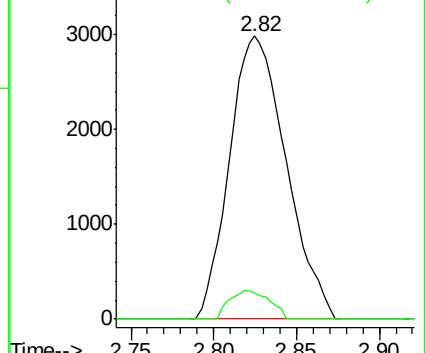
59 100

57 7.1 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#13

Acrolein

Concen: 0.34 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025301.D

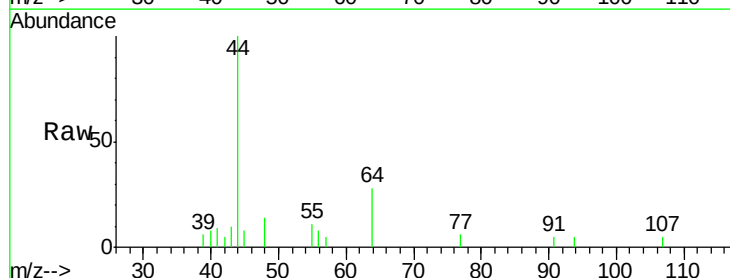
Acq: 10 Jul 2018 20:08

Tgt Ion: 56 Resp: 154

Ion Ratio Lower Upper

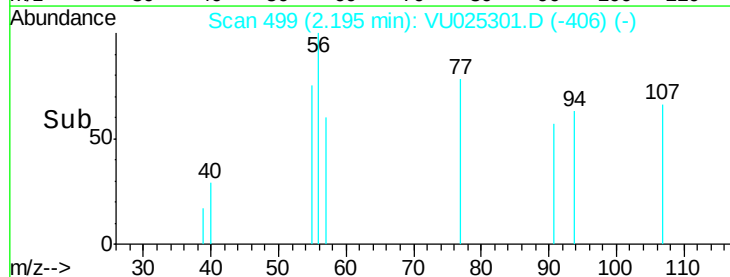
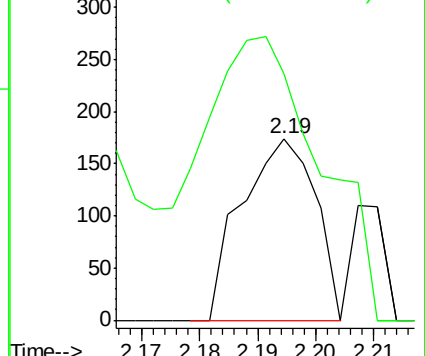
56 100

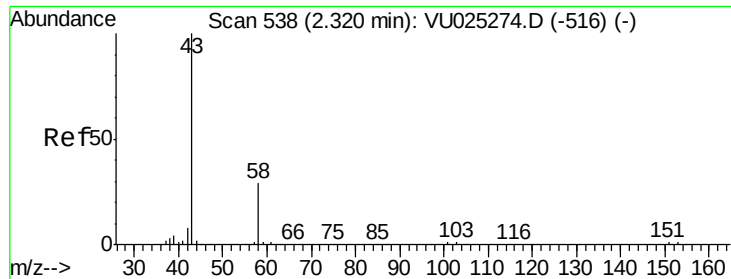
55 256.5 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0





#16

Acetone

Concen: 19.15 ug/l

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

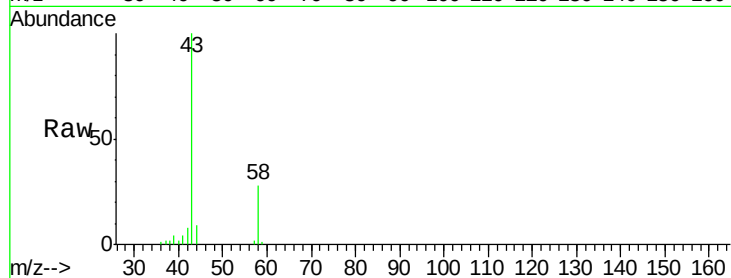
SS038MW009-180705

Tot Ion: 43 Resp: 23338

Ion Ratio Lower Upper

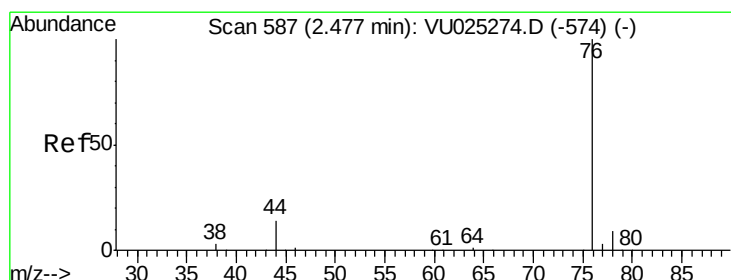
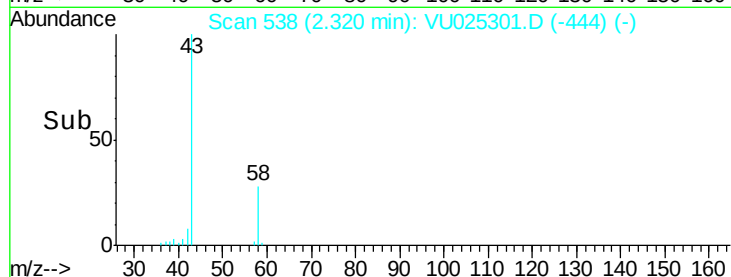
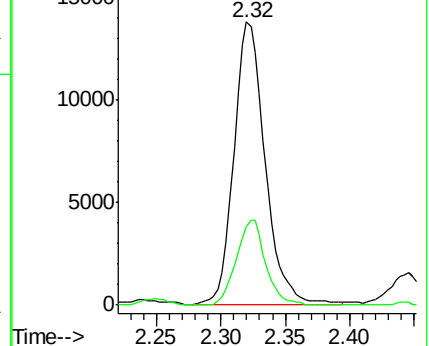
43 100

58 27.7 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: 2.25 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU025301.D

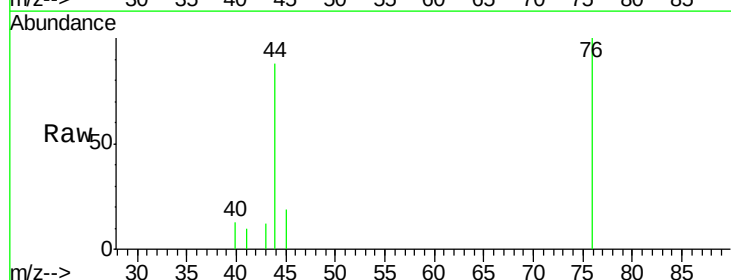
Acq: 10 Jul 2018 20:08

Tgt Ion: 76 Resp: 1968

Ion Ratio Lower Upper

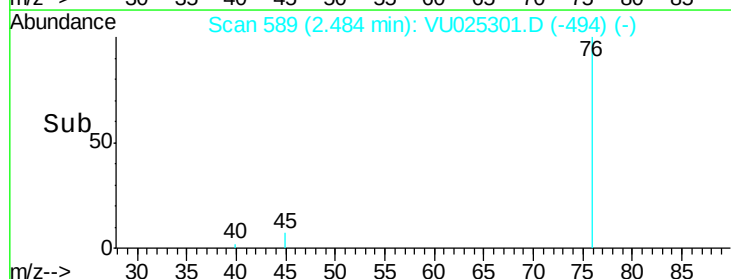
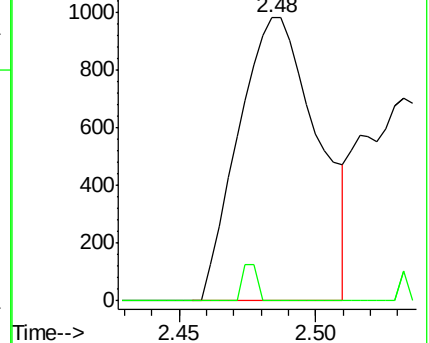
76 100

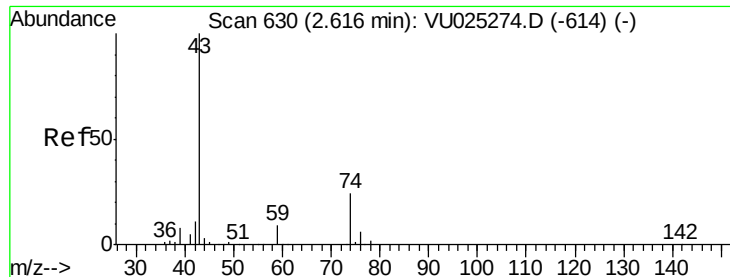
78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0





#18

Methyl Acetate

Concen: 1.30 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.09 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

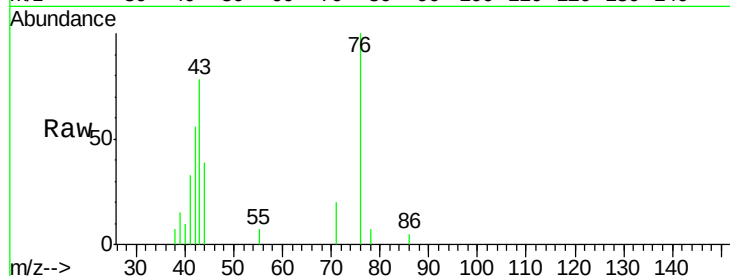
SS038MW009-180705

Tot Ion: 43 Resp: 4183

Ion Ratio Lower Upper

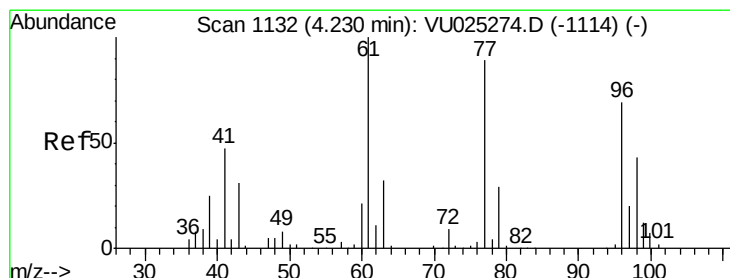
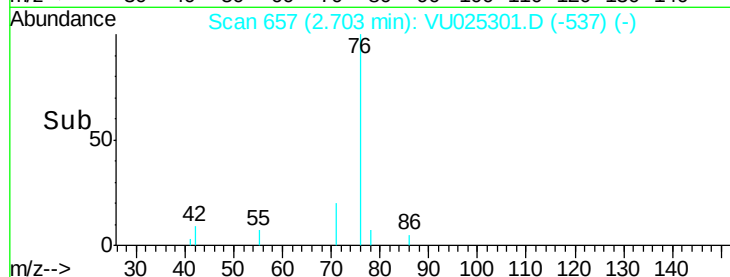
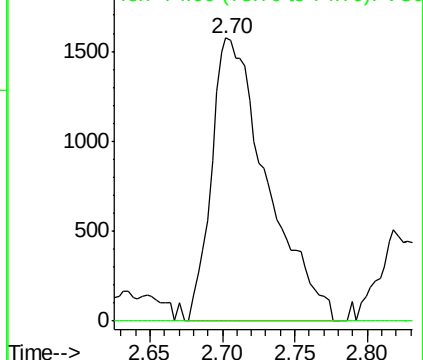
43 100

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



#27

cis-1,2-Dichloroethene

Concen: 0.46 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

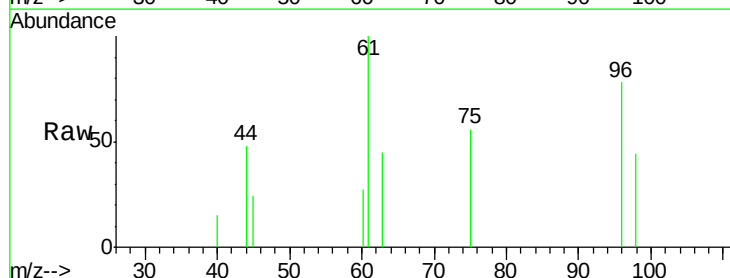
Tgt Ion: 96 Resp: 1242

Ion Ratio Lower Upper

96 100

61 123.6 0.0 299.8

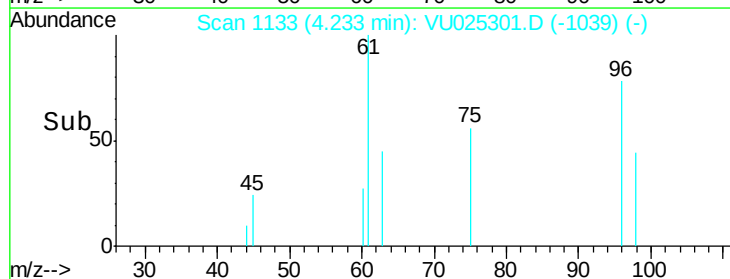
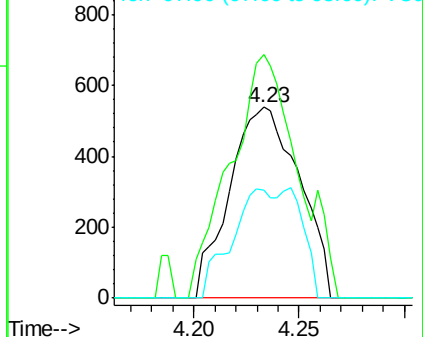
98 32.4 0.0 128.6

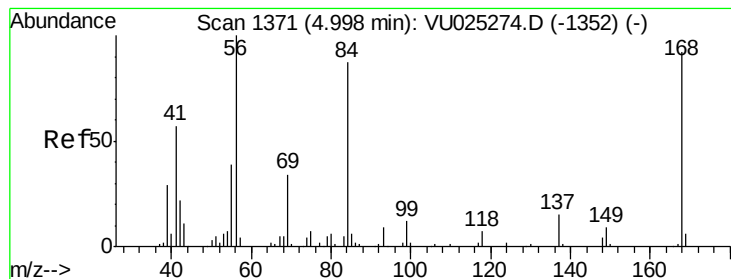


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#31

Cyclohexane

Concen: 2.41 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

SS038MW009-180705

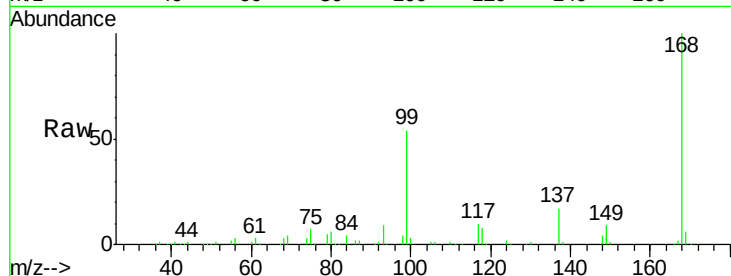
Tot Ion: 56 Resp: 6727

Ion Ratio Lower Upper

56 100

69 112.6 26.8 40.2#

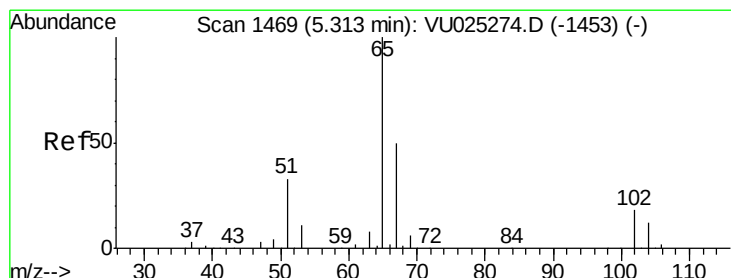
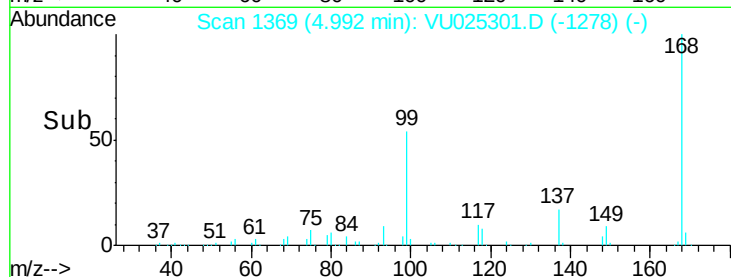
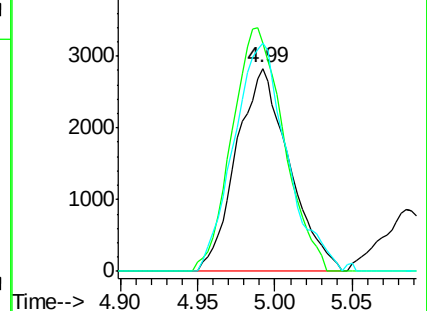
84 112.3 69.7 104.5#



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: 48.91 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025301.D

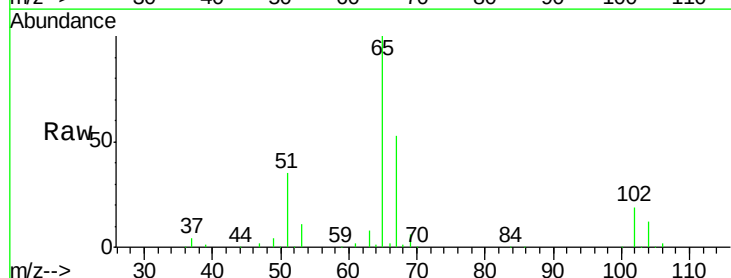
Acq: 10 Jul 2018 20:08

Tgt Ion: 65 Resp: 153571

Ion Ratio Lower Upper

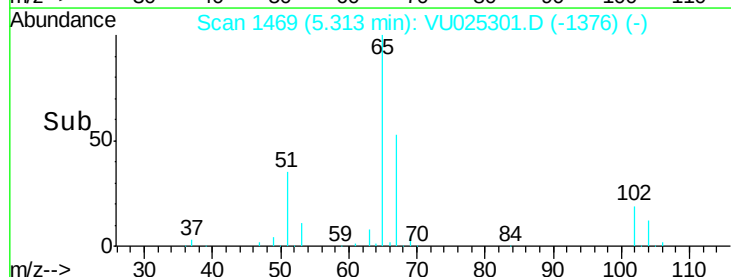
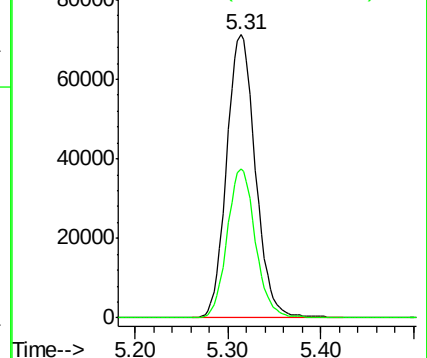
65 100

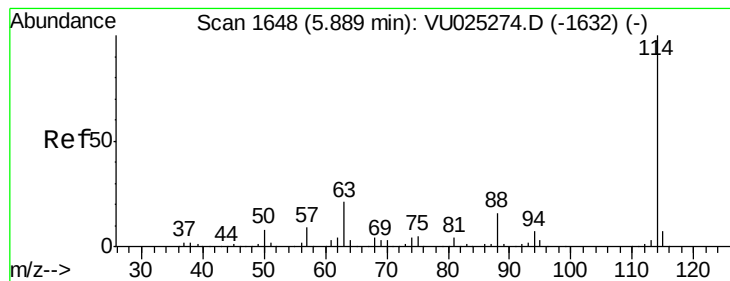
67 51.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

SS038MW009-180705

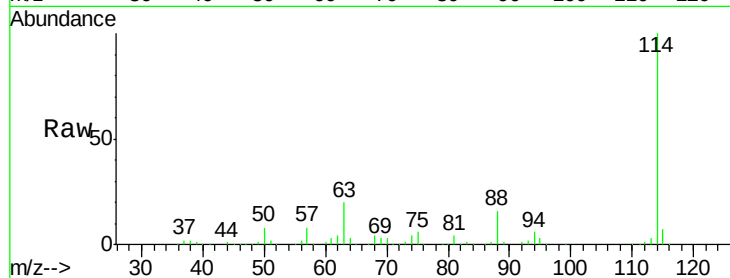
Tot Ion:114 Resp: 305686

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.6

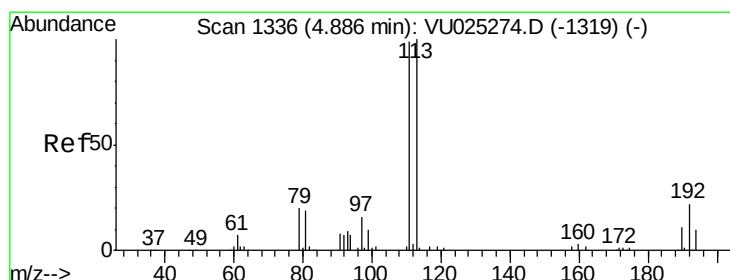
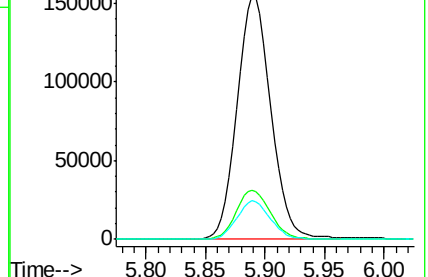
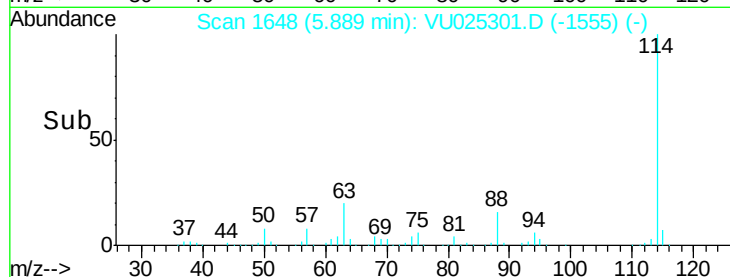
88 15.8 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 46.48 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

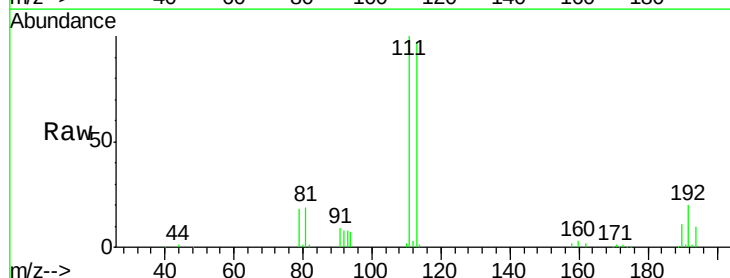
Tgt Ion:113 Resp: 119849

Ion Ratio Lower Upper

113 100

111 103.1 81.7 122.5

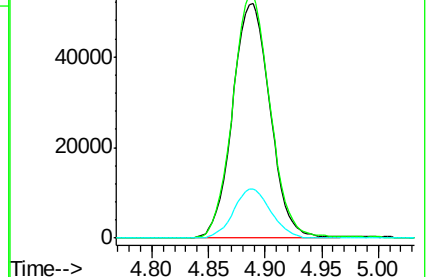
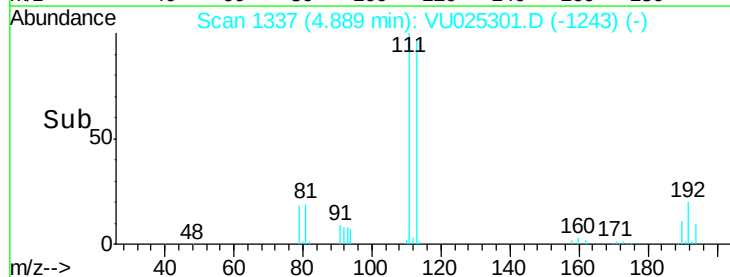
192 20.9 17.1 25.7

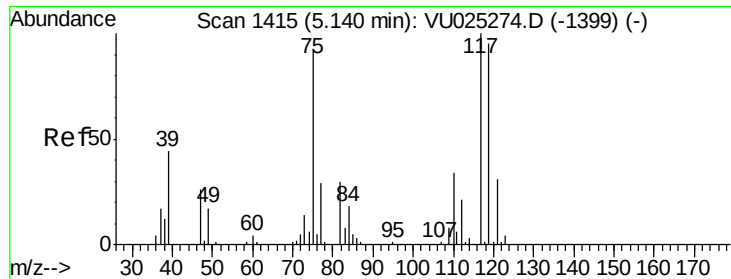


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

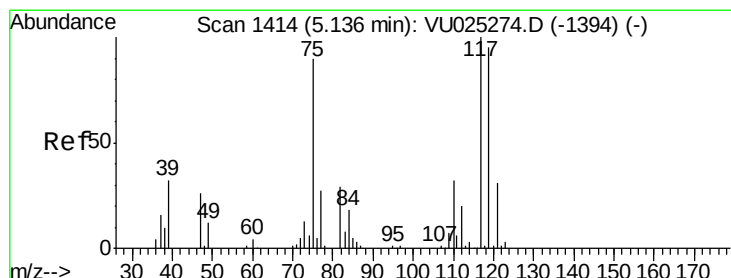
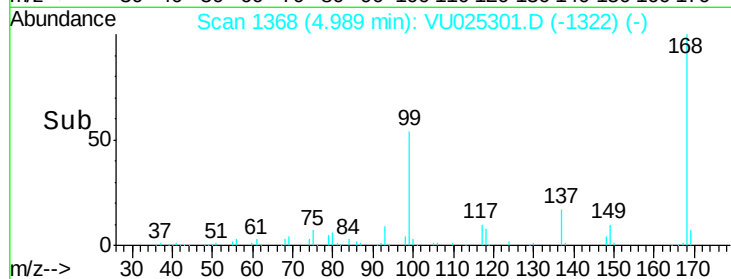
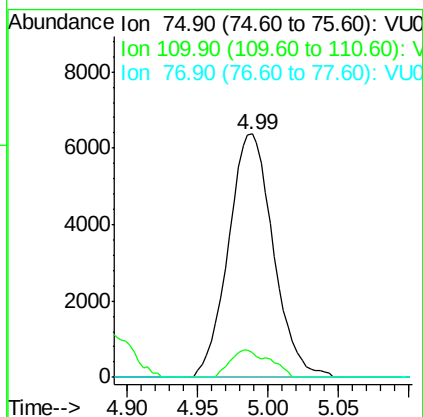
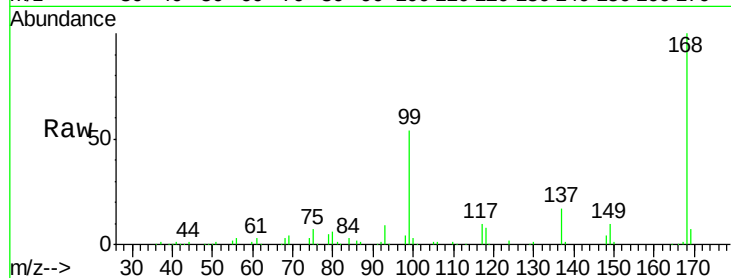




#36
 1,1-Dichloropropene
 Concen: 4.17 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

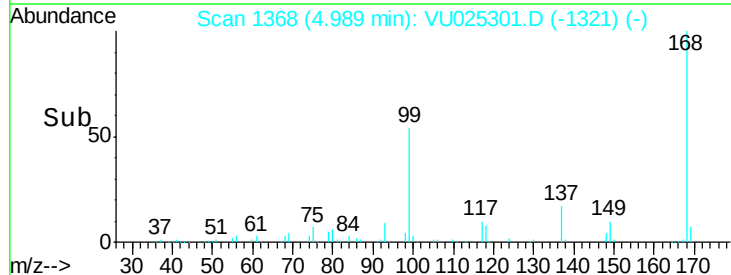
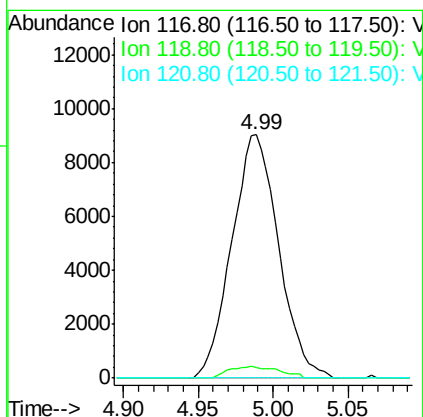
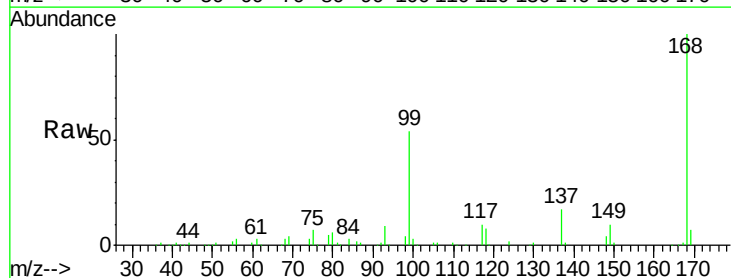
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW009-180705

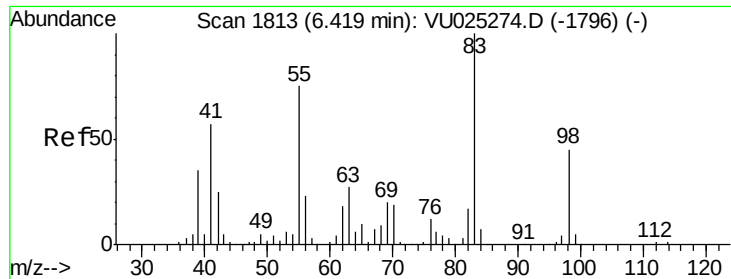
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.6	52.9#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 5.38 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.7	113.5#
121	0.0	24.6	36.8#

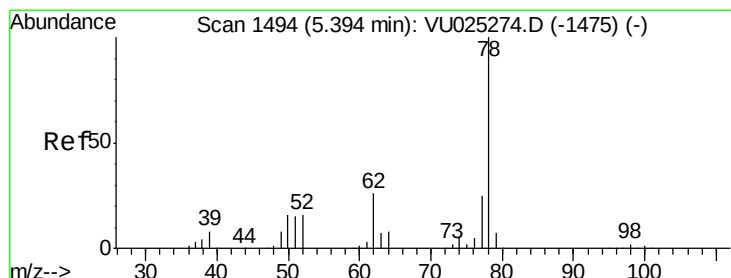
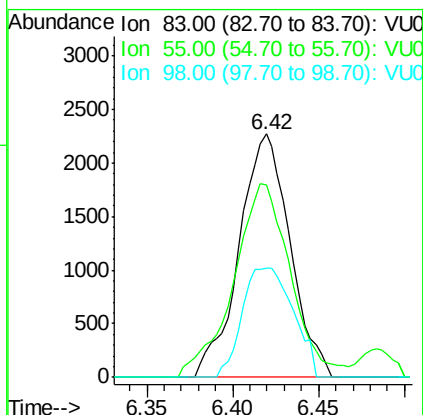
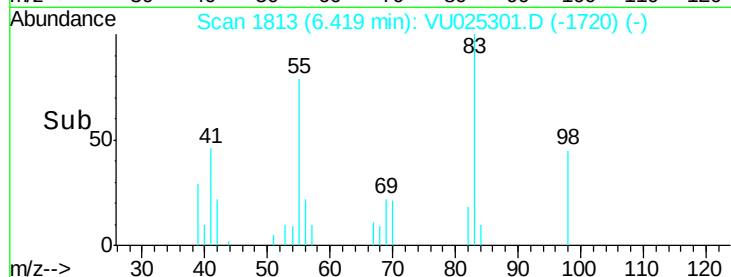
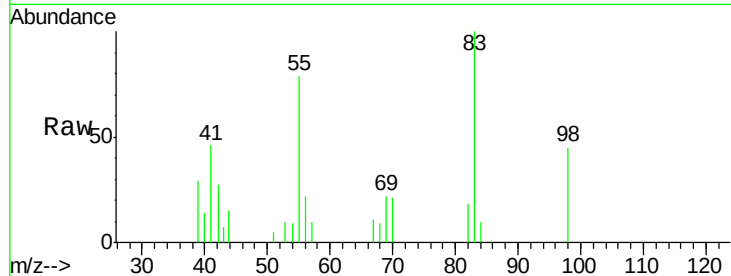




#39
Methylvlcyclohexane
Concen: 1.10 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

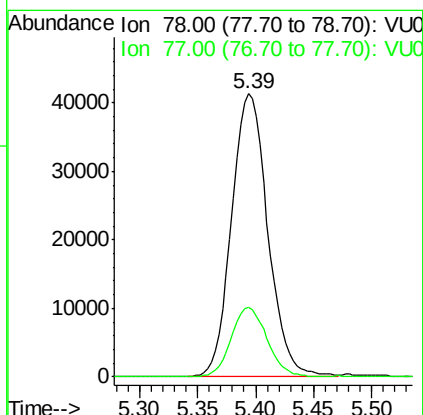
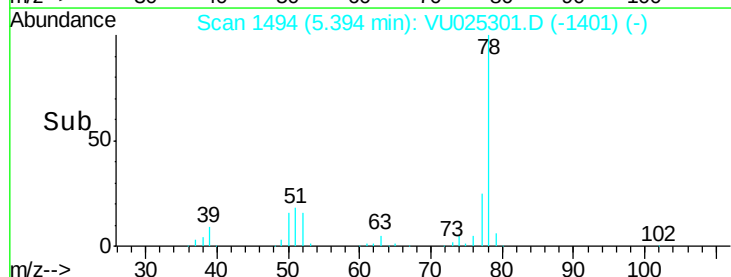
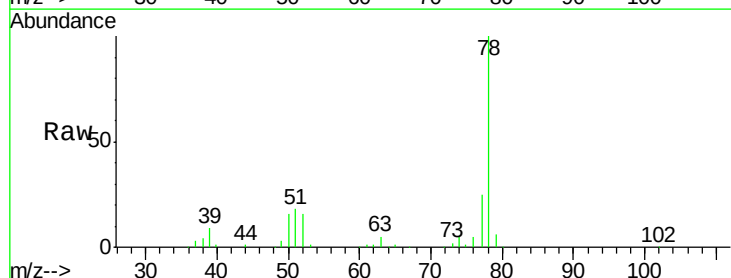
Instrument :
MSVOA_U
ClientSampleId :
SS038MW009-180705

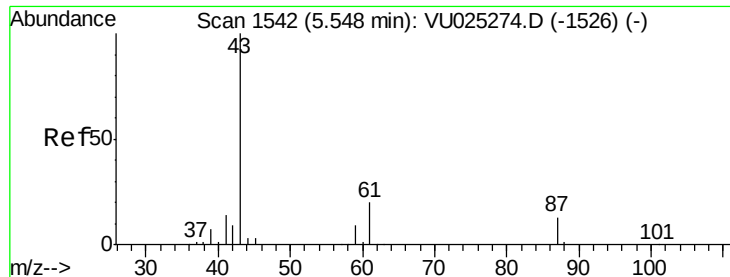
Tot Ion: 83 Resp: 4665
Ion Ratio Lower Upper
83 100
55 74.1 60.0 90.0
98 44.8 36.1 54.1



#40
Benzene
Concen: 9.19 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

Tgt Ion: 78 Resp: 89985
Ion Ratio Lower Upper
78 100
77 24.5 19.8 29.6





#43

Isopropyl Acetate

Concen: 1.27 ug/l

RT: 5.54 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

SS038MW009-180705

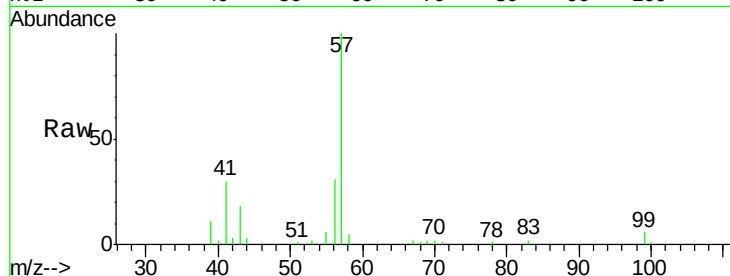
Tot Ion: 43 Resp: 7690

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

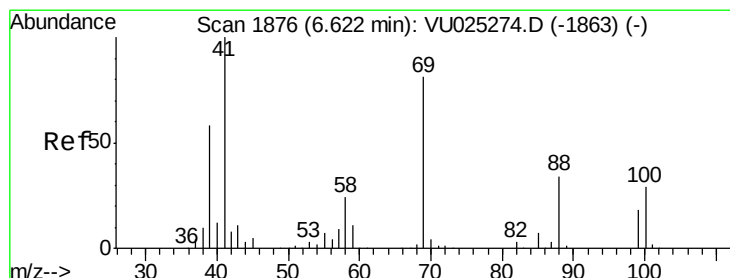
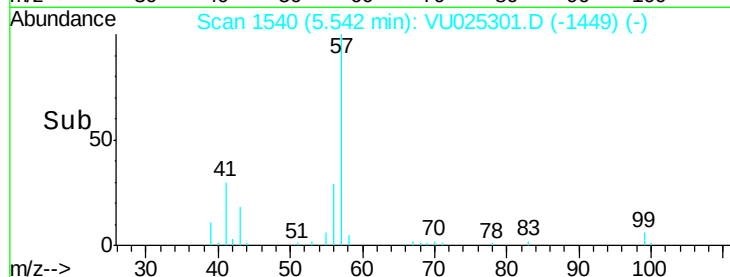
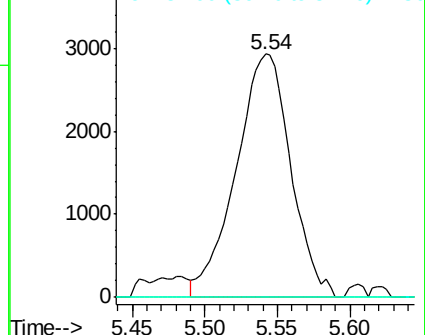
87 0.0 10.6 16.0#



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: 0.40 ug/l

RT: 6.59 min Scan# 1867

Delta R.T. -0.03 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

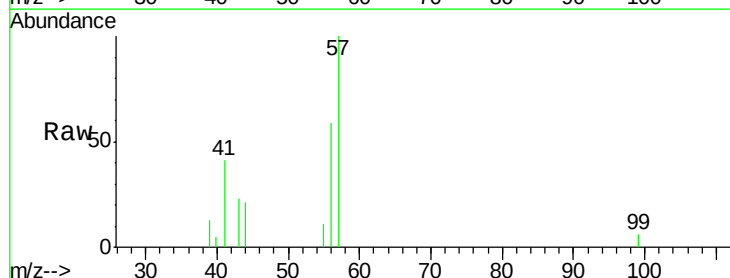
Tgt Ion: 41 Resp: 1214

Ion Ratio Lower Upper

41 100

69 0.0 65.0 97.4#

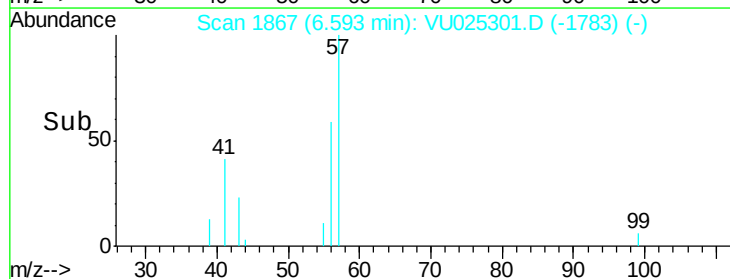
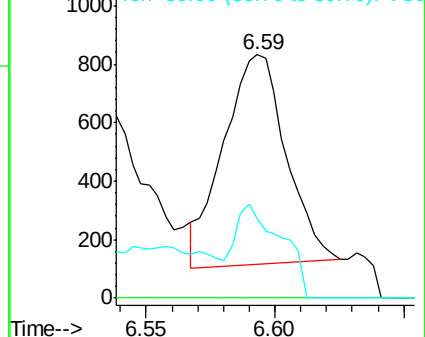
39 33.1 46.4 69.6#

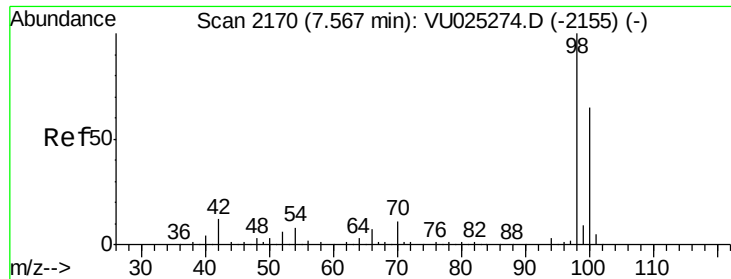


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

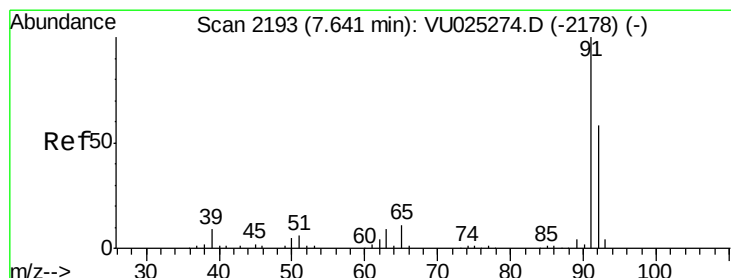
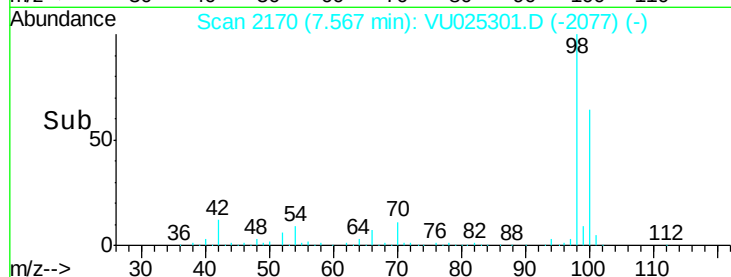
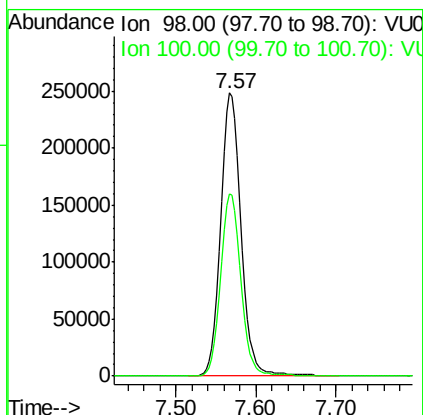
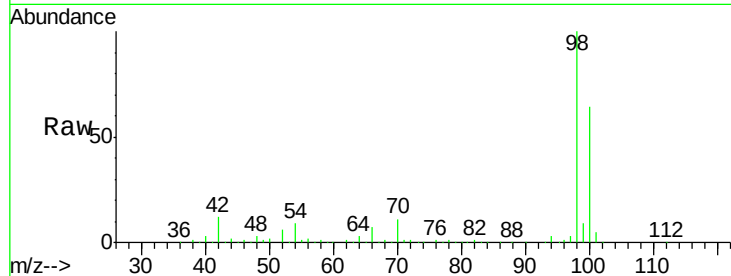




#50
Toluene-d8
Concen: 49.89 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

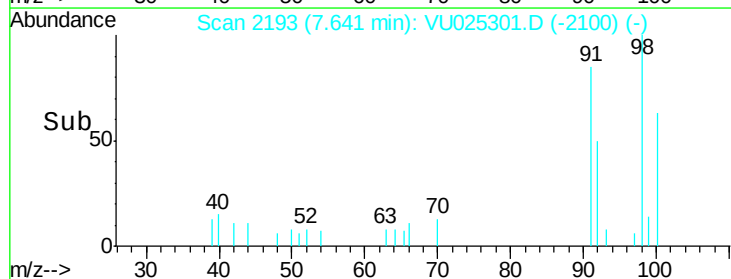
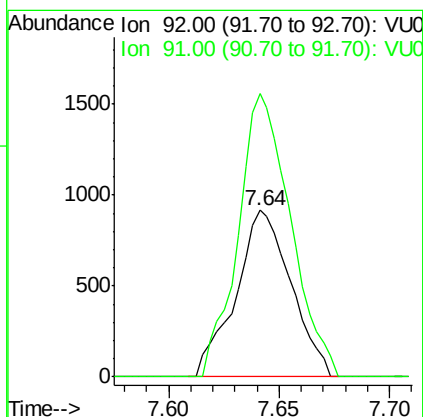
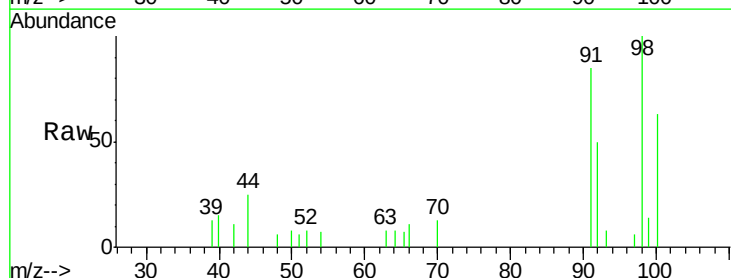
Instrument :
MSVOA_U
ClientSampleId :
SS038MW009-180705

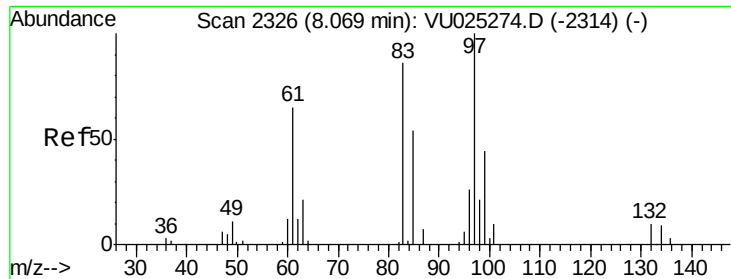
Tot Ion: 98 Resp: 440583
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#52
Toluene
Concen: 0.25 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

Tgt Ion: 92 Resp: 1588
Ion Ratio Lower Upper
92 100
91 161.6 139.2 208.8

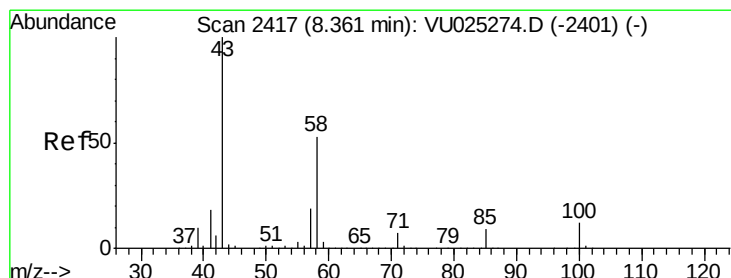
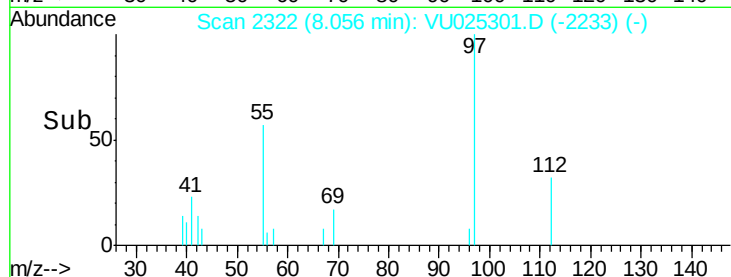
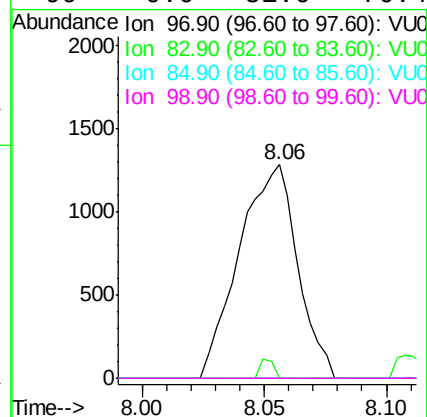
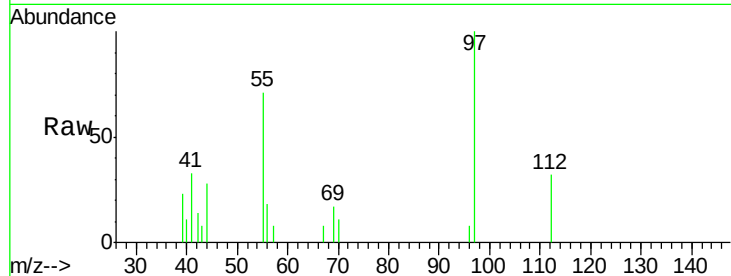




#55
 1,1,2-Trichloroethane
 Concen: 0.82 ug/l
 RT: 8.06 min Scan# 2322
 Delta R.T. -0.01 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

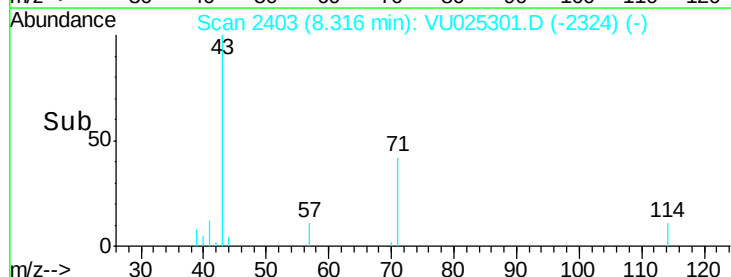
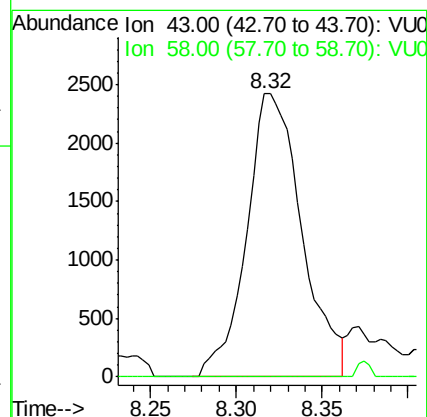
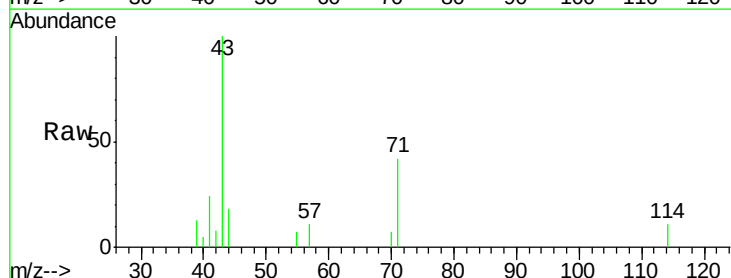
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW009-180705

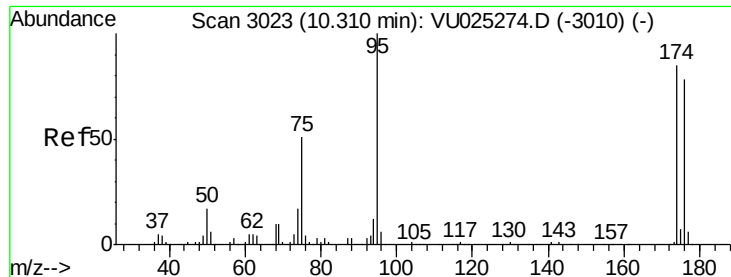
Tot Ion: 97 Resp: 2124
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.9 103.3#
 85 0.0 44.4 66.6#
 99 0.0 51.0 76.4#



#59
 2-Hexanone
 Concen: 1.69 ug/l
 RT: 8.32 min Scan# 2403
 Delta R.T. -0.04 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

Tgt Ion: 43 Resp: 5411
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 47.72 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

SS038MW009-180705

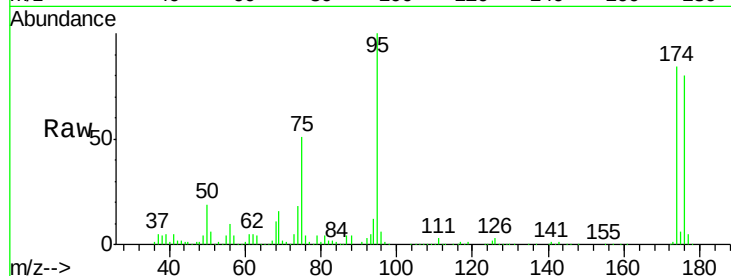
Tot Ion: 95 Resp: 169647

Ion Ratio Lower Upper

95 100

174 85.1 0.0 172.2

176 81.7 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) (-)

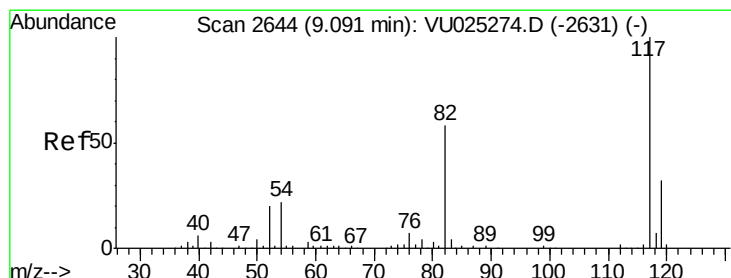
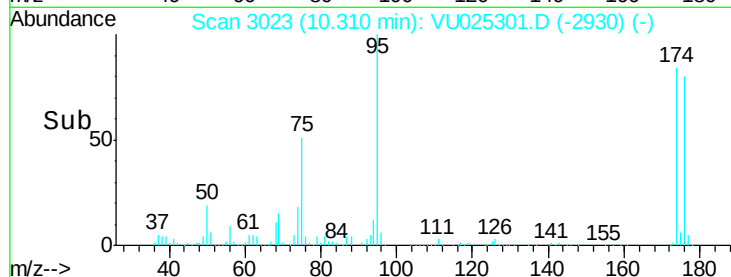
10.31

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

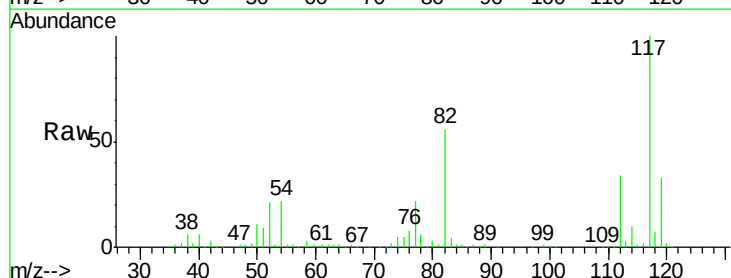
Tgt Ion: 117 Resp: 285680

Ion Ratio Lower Upper

117 100

82 56.3 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) (-)

9.09

200000

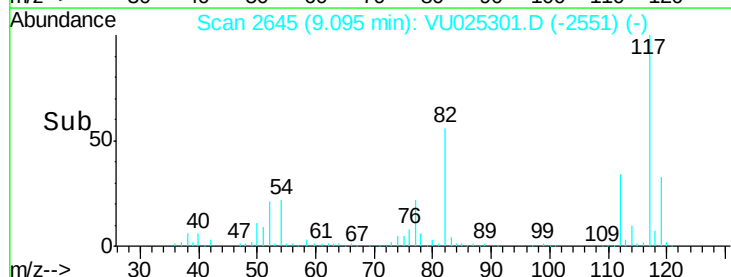
150000

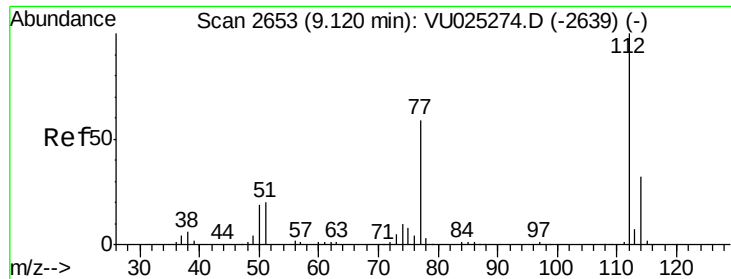
100000

50000

0

Time-->

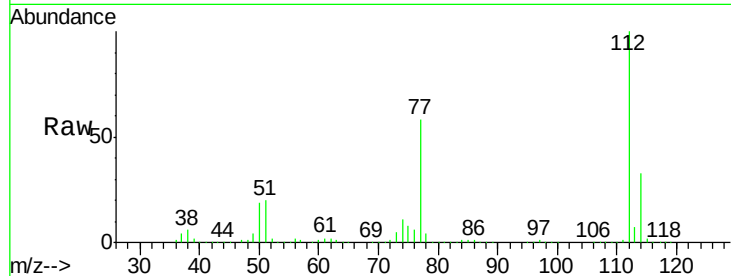




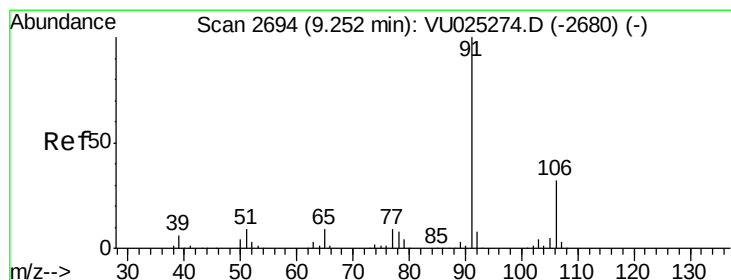
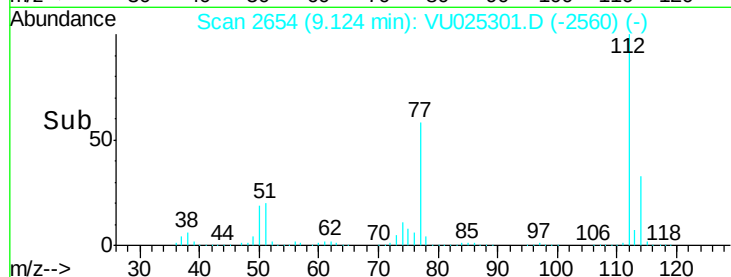
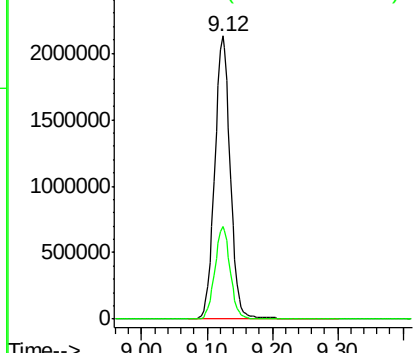
#65
Chlorobenzene
Concen: 494.29 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

Instrument :
MSVOA_U
ClientSampleId :
SS038MW009-180705

Tot Ion:112 Resp: 3527545
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8

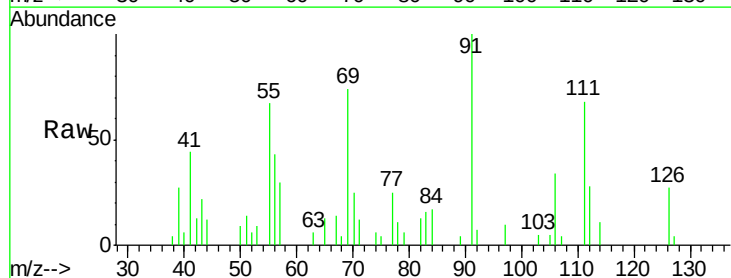


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

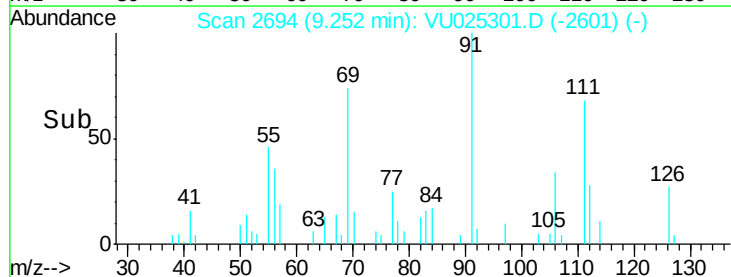
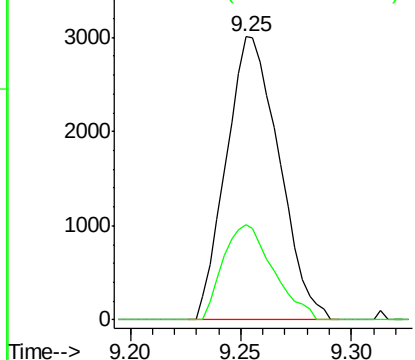


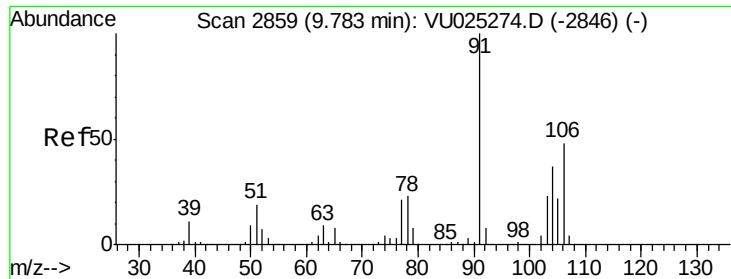
#67
Ethyl Benzene
Concen: 0.41 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

Tgt Ion: 91 Resp: 5008
Ion Ratio Lower Upper
91 100
106 33.8 25.3 37.9



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

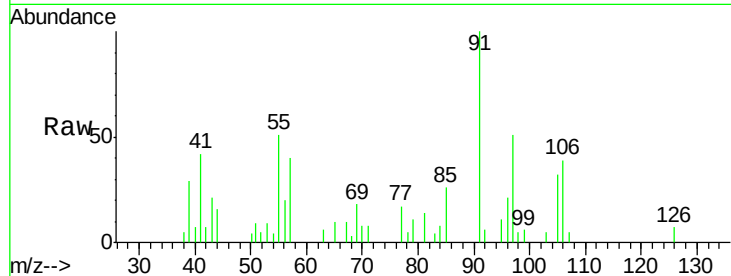




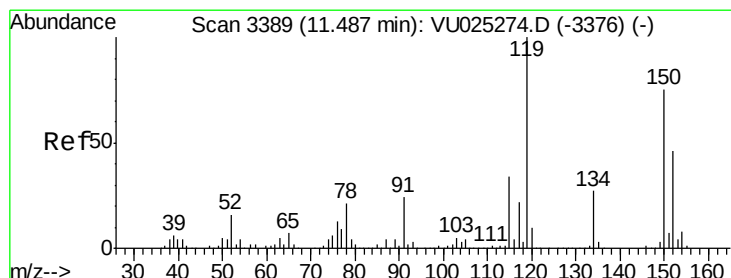
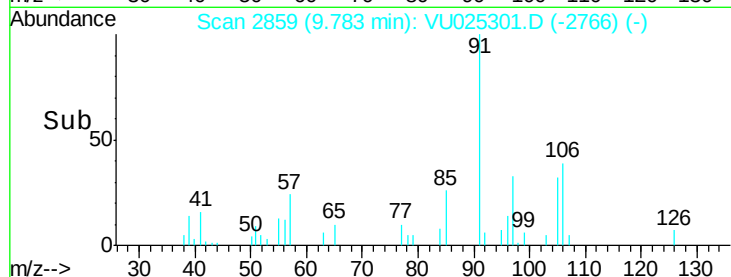
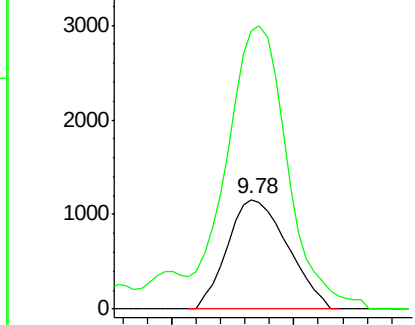
#69
o-Xylene
Concen: 0.42 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

Instrument :
MSVOA_U
ClientSampleId :
SS038MW009-180705

Tot Ion:106 Resp: 1985
Ion Ratio Lower Upper
106 100
91 260.5 105.3 315.8

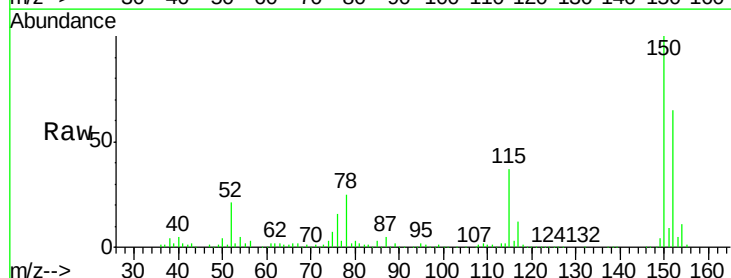


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

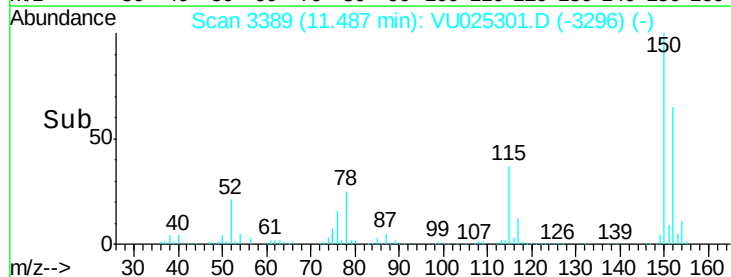
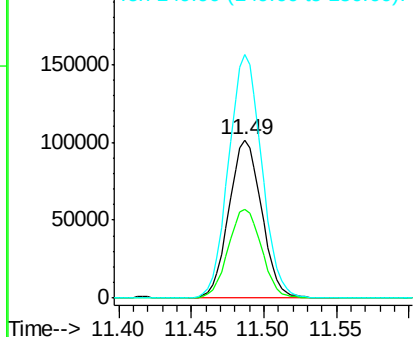


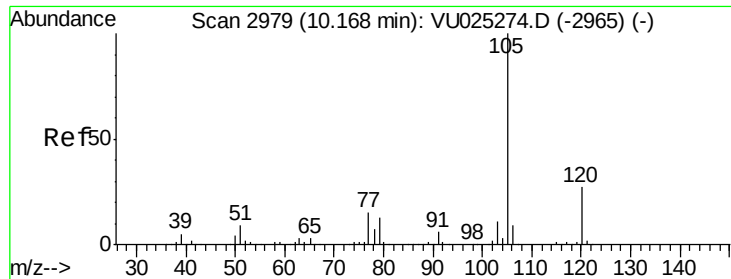
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

Tgt Ion:152 Resp: 158733
Ion Ratio Lower Upper
152 100
115 57.2 40.1 120.3
150 155.9 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: 12.64 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

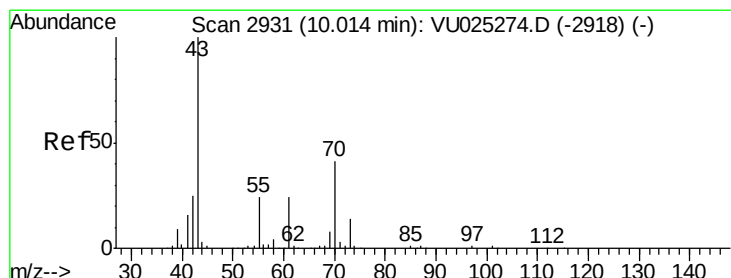
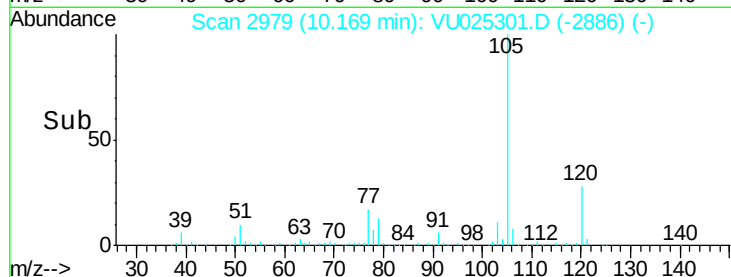
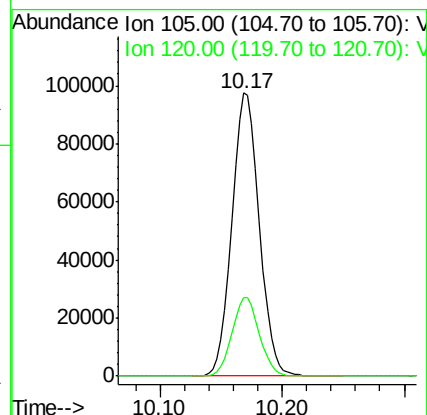
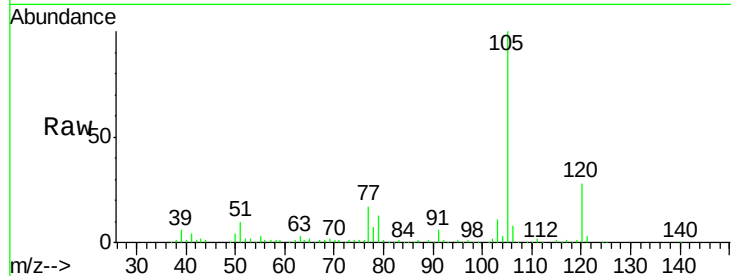
SS038MW009-180705

Tot Ion:105 Resp: 153291

Ion Ratio Lower Upper

105 100

120 27.7 13.5 40.5



#74

N-ethyl acetate

Concen: 3.61 ug/l

RT: 10.05 min Scan# 2941

Delta R.T. 0.03 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Tgt Ion: 43 Resp: 11932

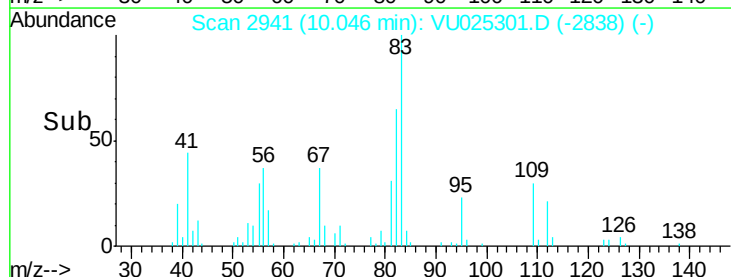
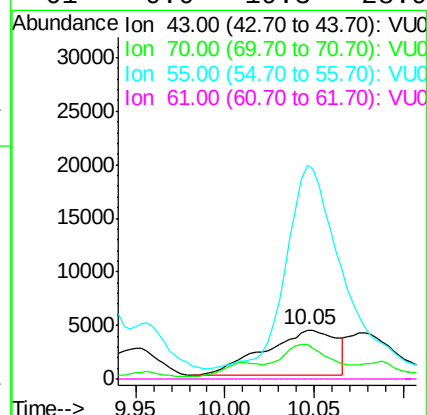
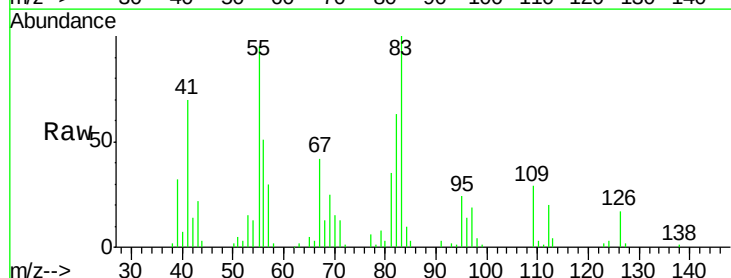
Ion Ratio Lower Upper

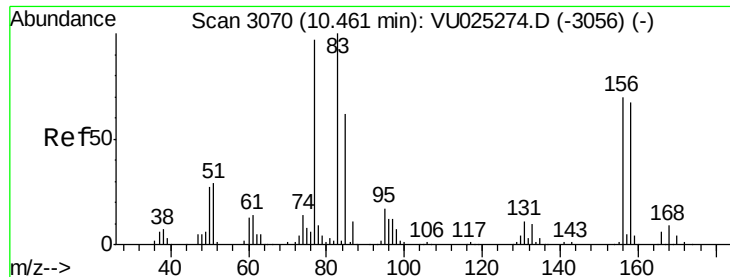
43 100

70 23.6 33.4 50.2#

55 340.6 19.0 28.6#

61 0.0 19.3 28.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.86 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.04 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

SS038MW009-180705

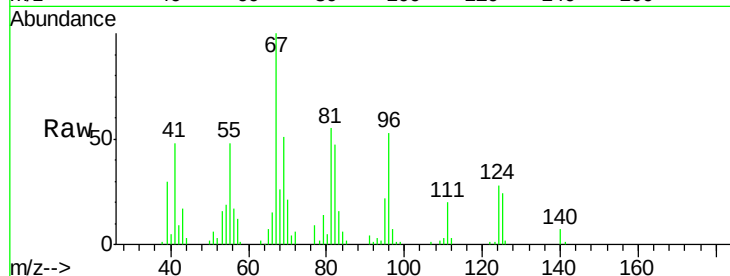
Tot Ion: 83 Resp: 7374

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

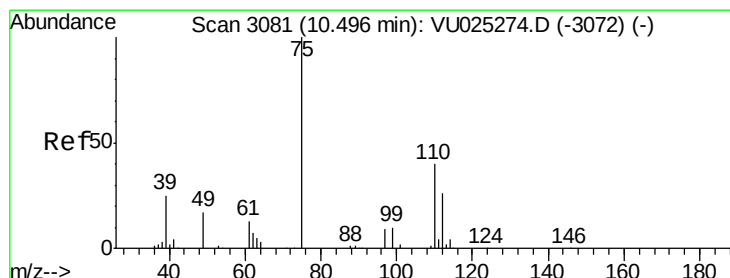
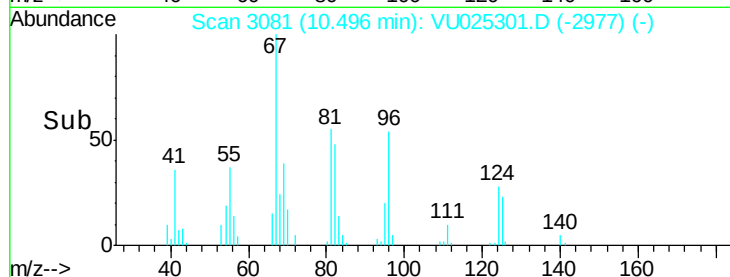
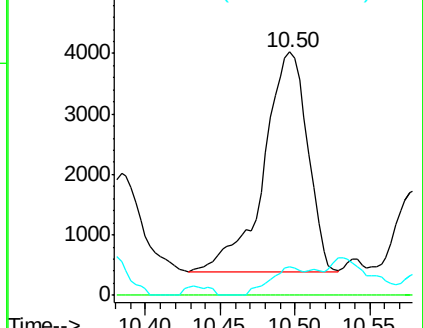
85 9.7 31.6 94.8#



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 27.13 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025301.D

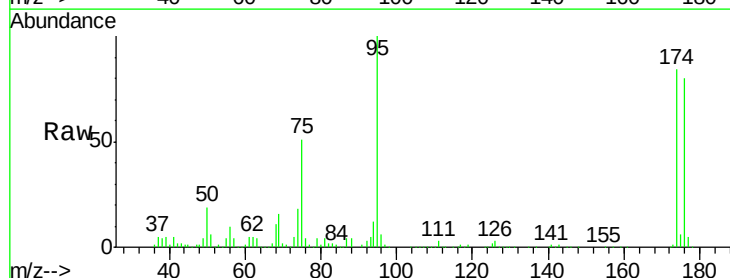
Acq: 10 Jul 2018 20:08

Tgt Ion: 75 Resp: 87541

Ion Ratio Lower Upper

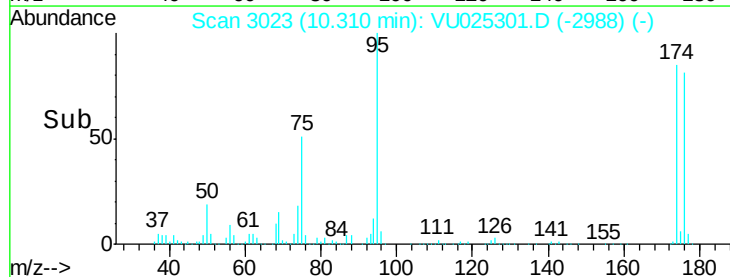
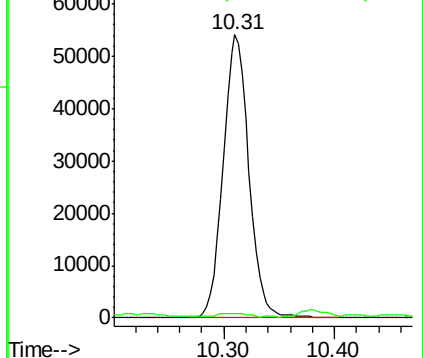
75 100

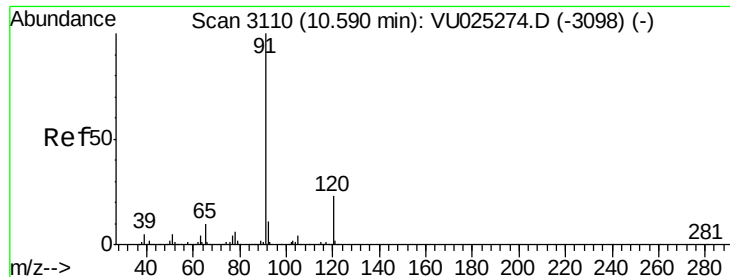
77 1.4 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 12.13 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

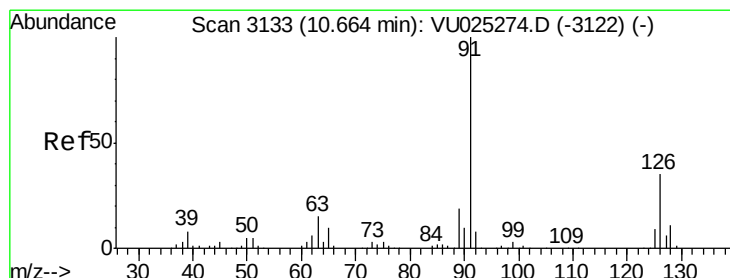
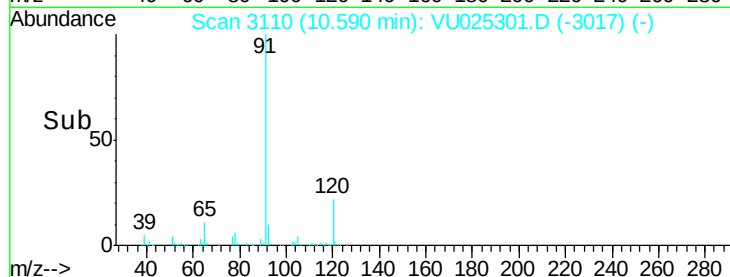
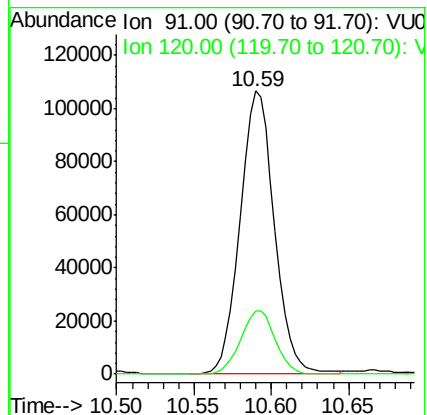
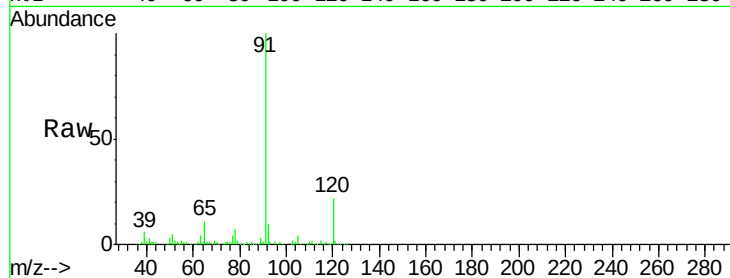
SS038MW009-180705

Tot Ion: 91 Resp: 163220

Ion Ratio Lower Upper

91 100

120 22.8 11.8 35.3



#79

2-Chlorotoluene

Concen: 21.21 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.07 min

Lab File: VU025301.D

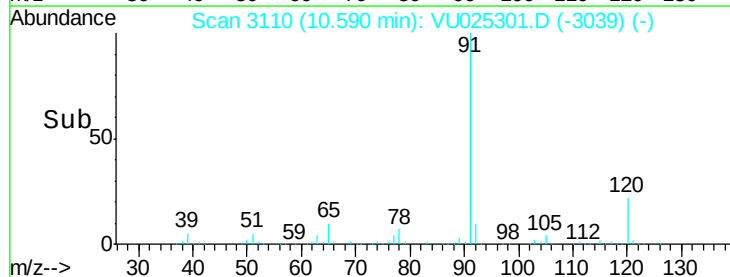
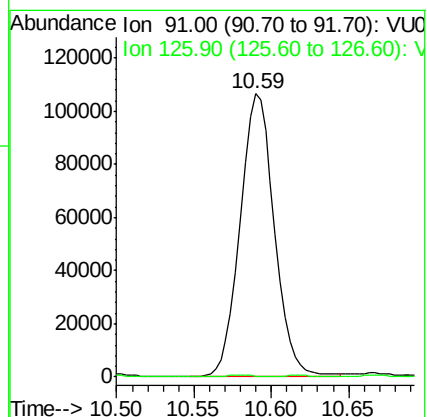
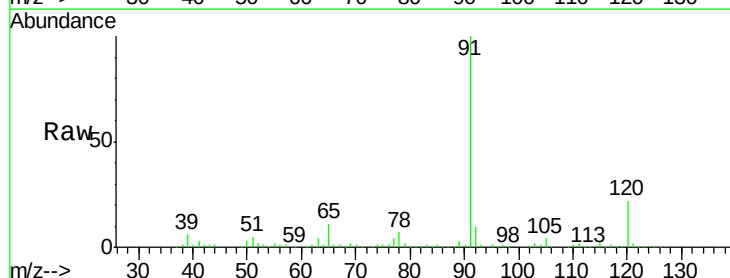
Acq: 10 Jul 2018 20:08

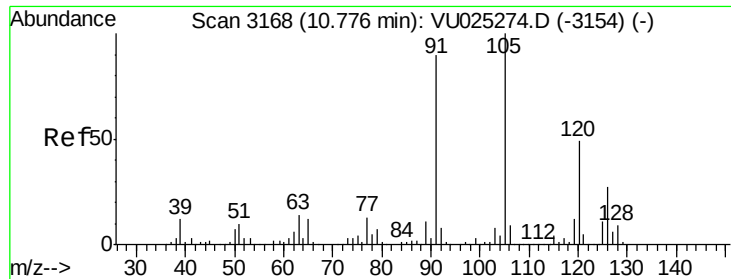
Tgt Ion: 91 Resp: 163220

Ion Ratio Lower Upper

91 100

126 0.6 17.5 52.6#

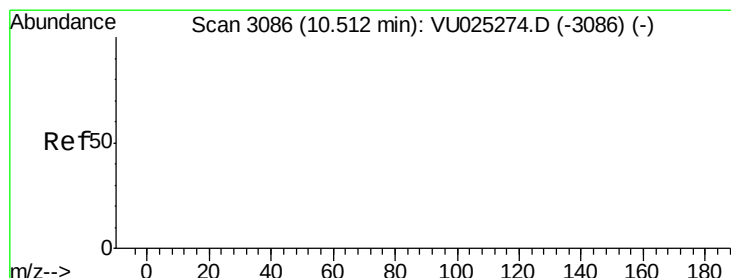
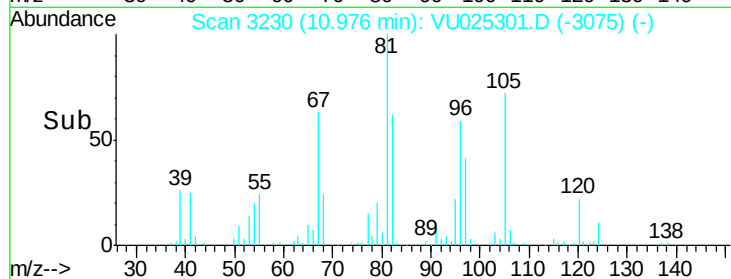
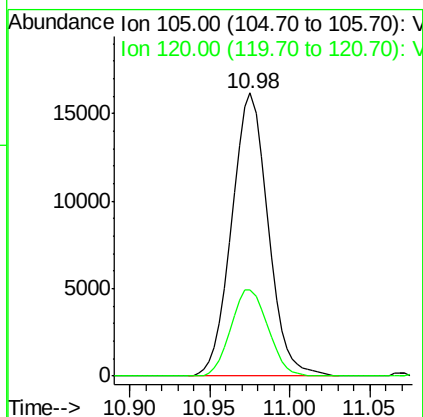
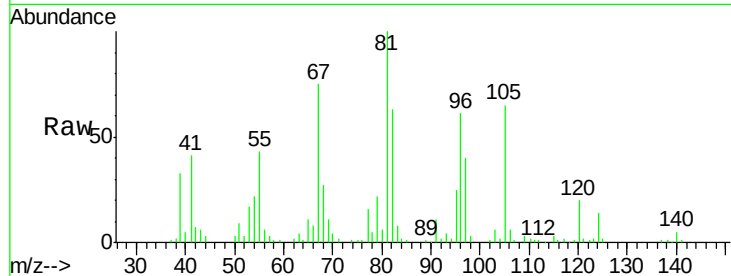




#80
 1,3,5-Trimethylbenzene
 Concen: 2.45 ug/l
 RT: 10.98 min Scan# 3230
 Delta R.T. 0.20 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

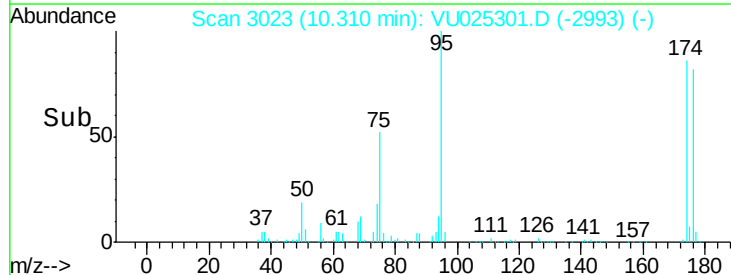
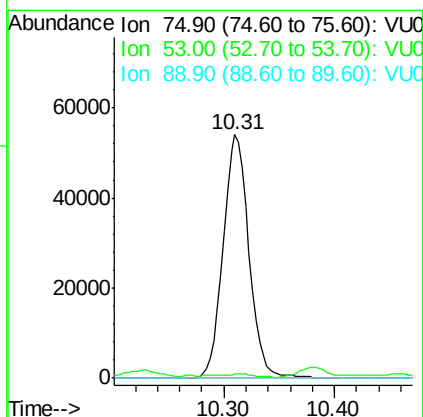
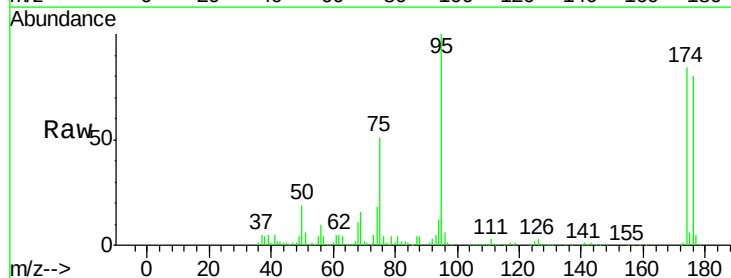
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW009-180705

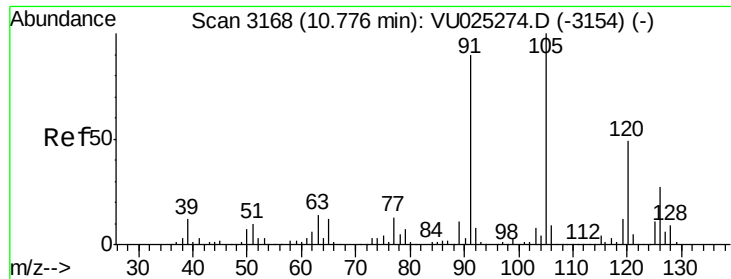
Tot Ion:105 Resp: 25046
 Ion Ratio Lower Upper
 105 100
 120 31.1 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.22 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

Tgt Ion: 75 Resp: 87541
 Ion Ratio Lower Upper
 75 100
 53 1.2 0.0 0.0#
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 17.13 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.19 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

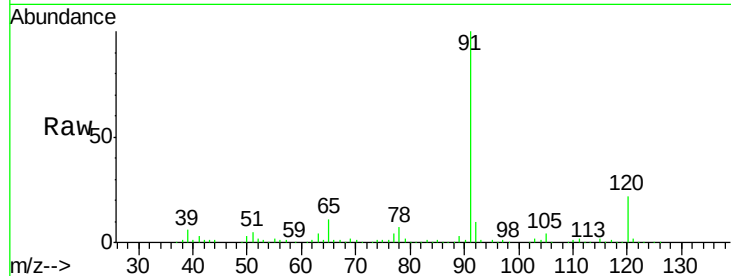
SS038MW009-180705

Tot Ion: 91 Resp: 163220

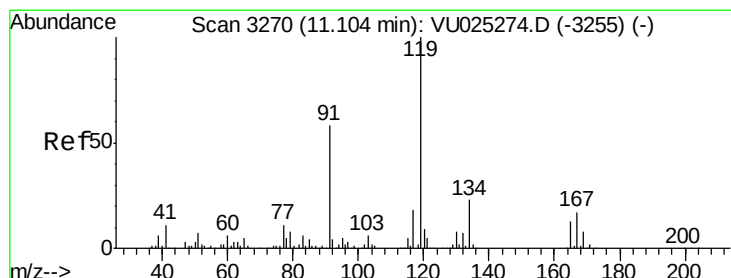
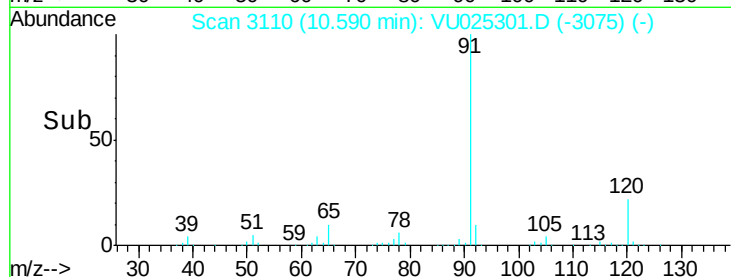
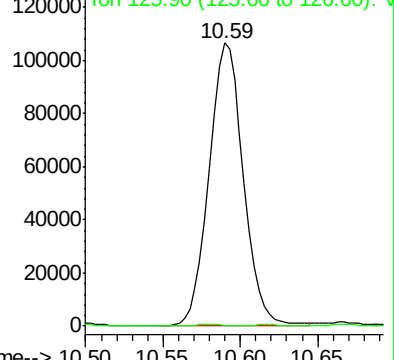
Ion Ratio Lower Upper

91 100

126 0.6 15.3 45.9#



Abundance Ion 91.00 (90.70 to 91.70): VU025301.D (-3075) (-)



#83

tert-Butylbenzene

Concen: 8.10 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

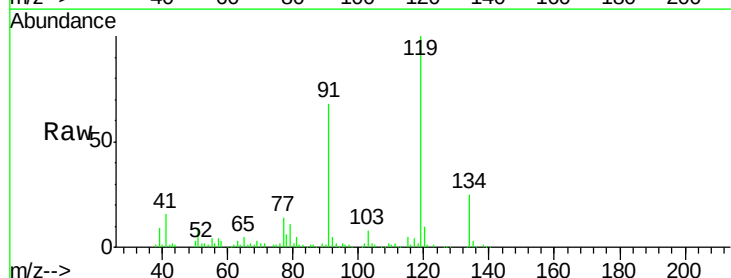
Tgt Ion: 119 Resp: 83485

Ion Ratio Lower Upper

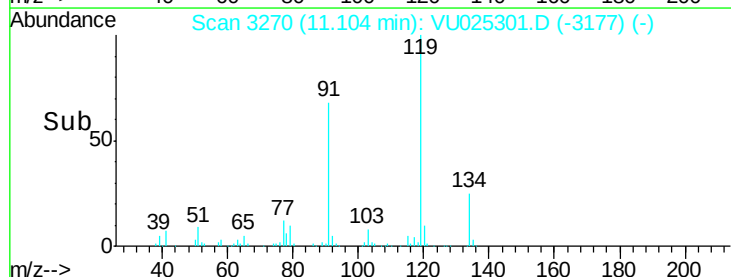
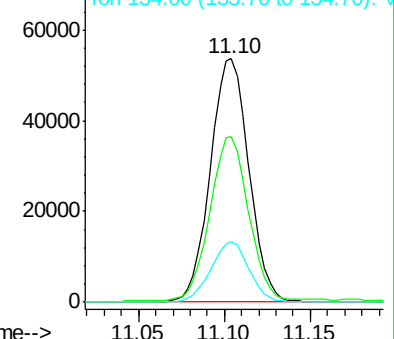
119 100

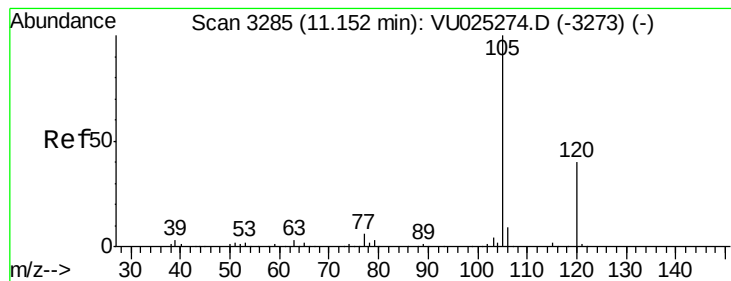
91 68.2 29.7 89.1

134 24.4 11.5 34.5



Abundance Ion 119.00 (118.70 to 119.70): VU025301.D (-3177) (-)





#84

1,2,4-Trimethylbenzene

Concen: 2.39 ug/l

RT: 10.98 min Scan# 3230

Delta R.T. -0.18 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

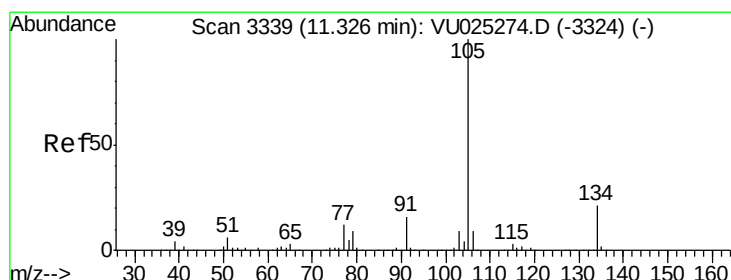
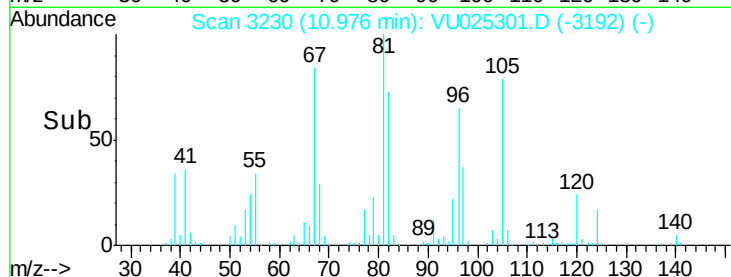
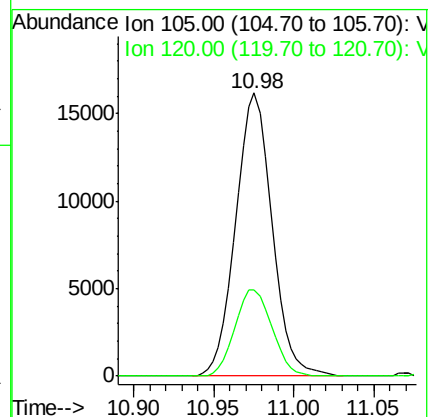
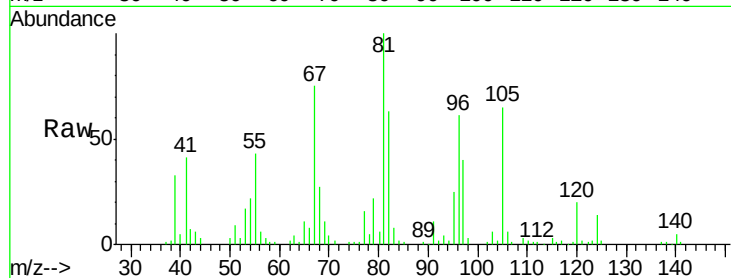
SS038MW009-180705

Tot Ion:105 Resp: 25046

Ion Ratio Lower Upper

105 100

120 31.1 22.3 66.8



#85

sec-Butylbenzene

Concen: 12.26 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025301.D

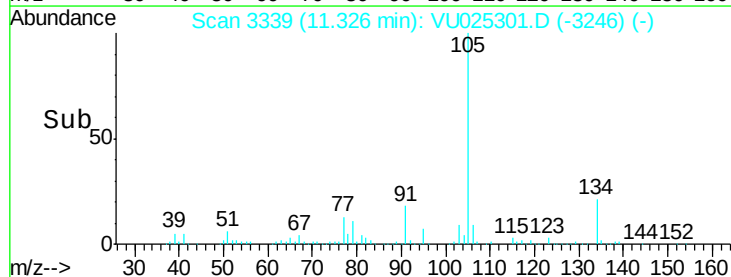
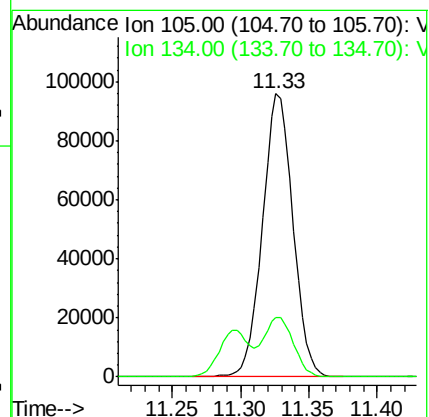
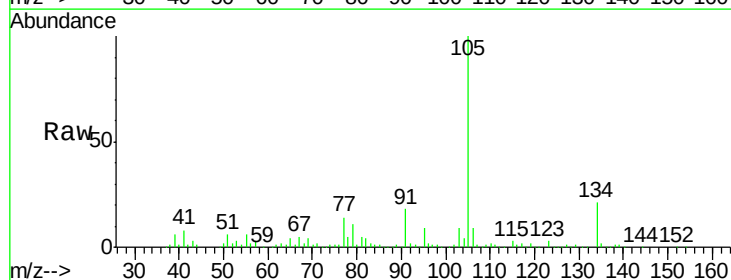
Acq: 10 Jul 2018 20:08

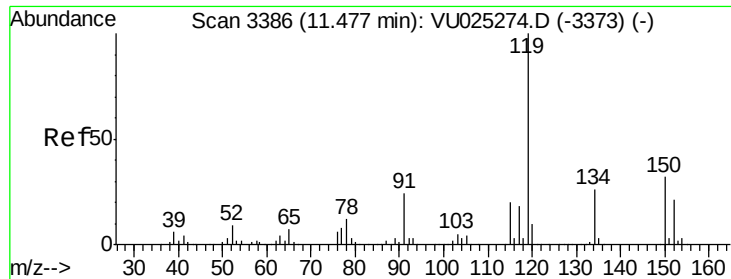
Tgt Ion:105 Resp: 148857

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8

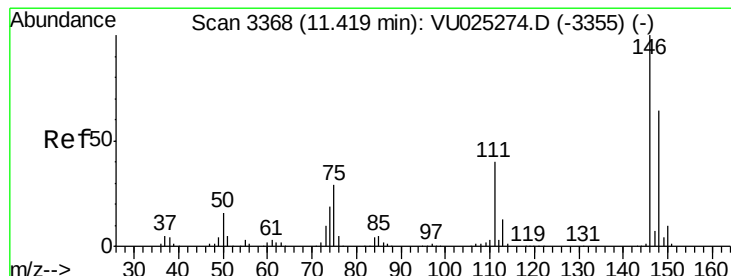
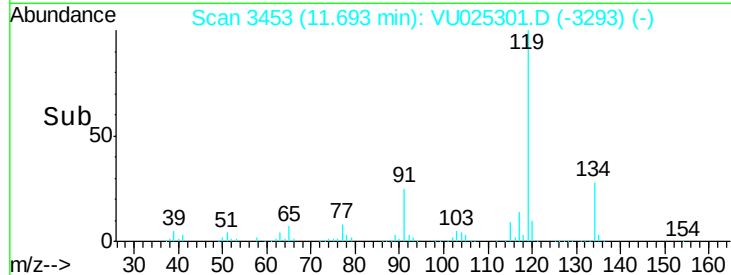
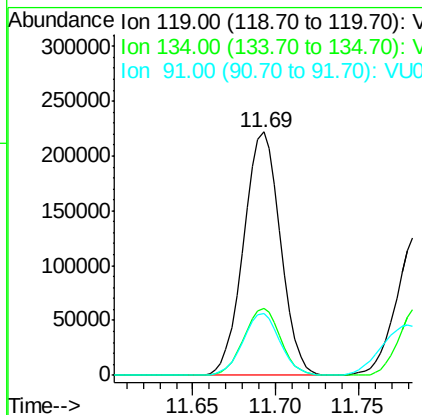
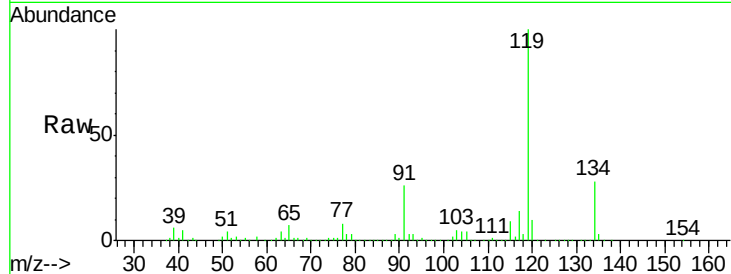




#86
 p-Isopropyltoluene
 Concen: 31.85 ug/l
 RT: 11.69 min Scan# 3453
 Delta R.T. 0.22 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

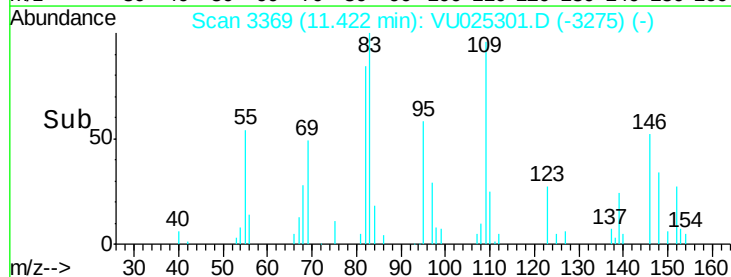
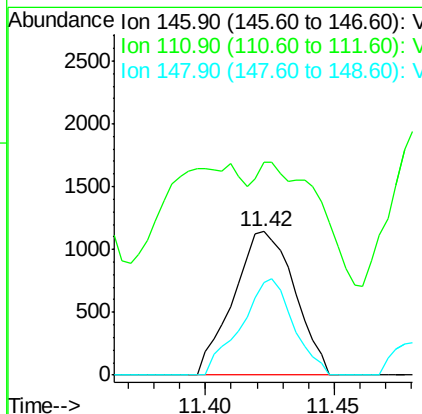
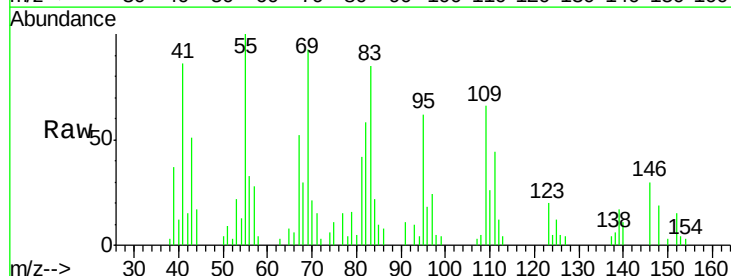
Instrument :
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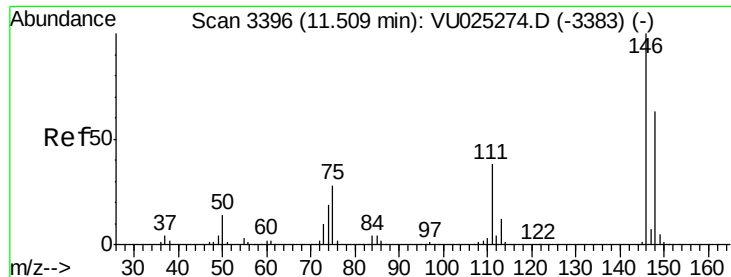
Tot Ion:119 Resp: 342441
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.2 39.5
 91 25.4 12.0 36.1



#87
 1,3-Dichlorobenzene
 Concen: 0.33 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

Tgt Ion:146 Resp: 1888
 Ion Ratio Lower Upper
 146 100
 111 84.6 19.7 59.1#
 148 57.3 32.1 96.3

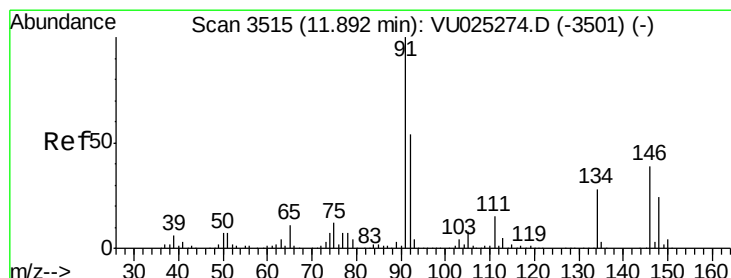
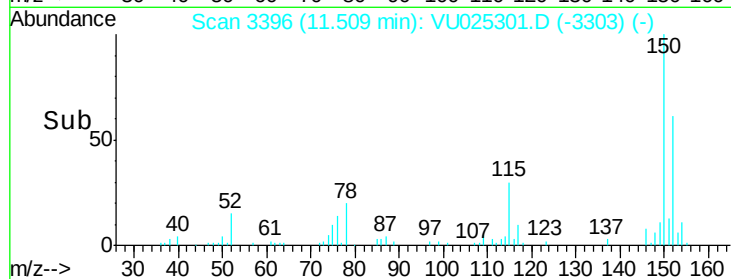
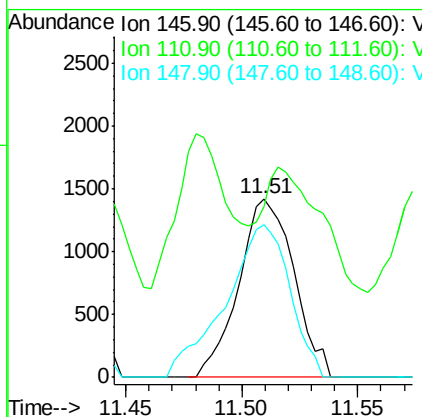
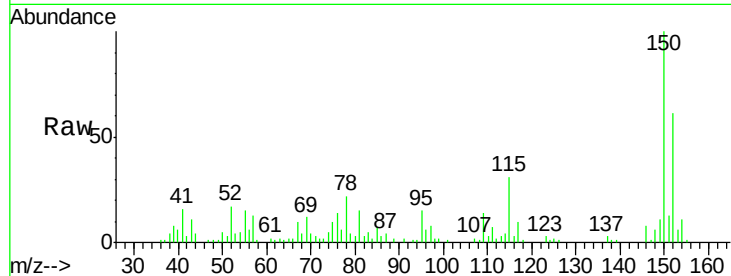




#88
 1,4-Dichlorobenzene
 Concen: 1.90 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

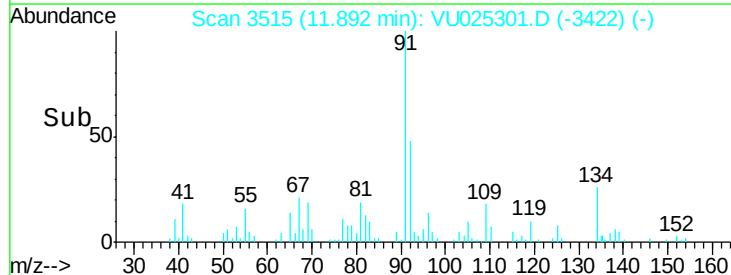
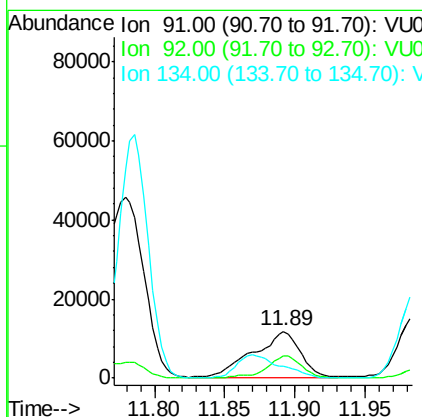
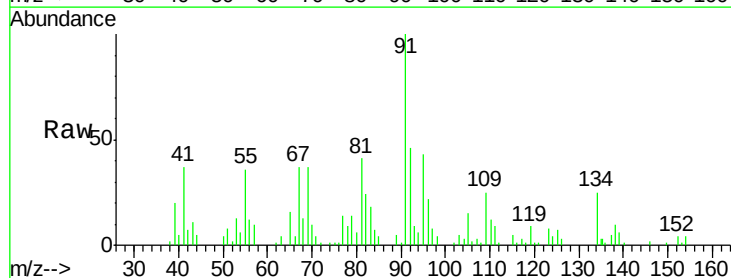
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW009-180705

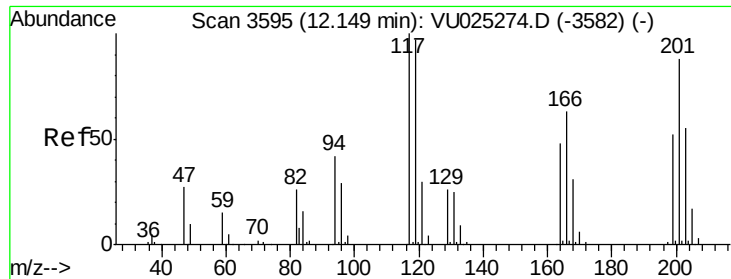
Tot Ion:146 Resp: 2350
 Ion Ratio Lower Upper
 146 100
 111 72.7 19.4 58.1#
 148 99.4 31.7 95.1#



#89
 n-Butylbenzene
 Concen: 2.99 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

Tgt Ion: 91 Resp: 26435
 Ion Ratio Lower Upper
 91 100
 92 36.7 26.5 79.5
 134 0.0 13.6 40.7#

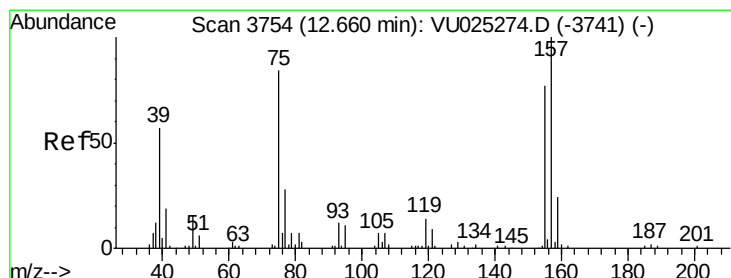
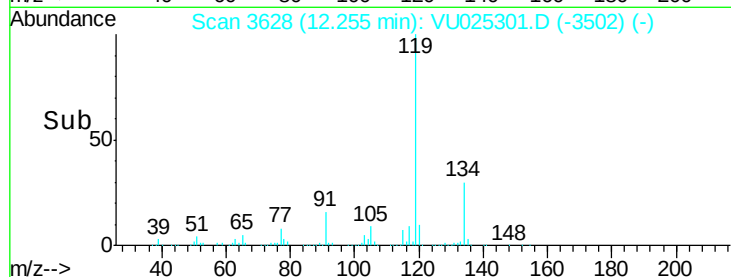
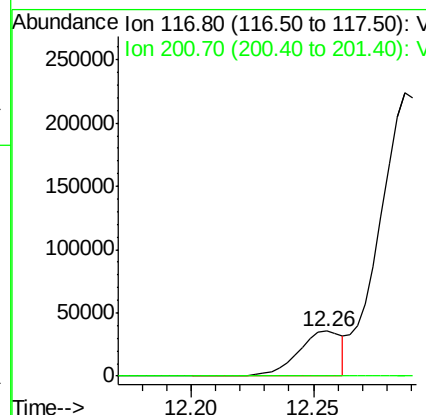
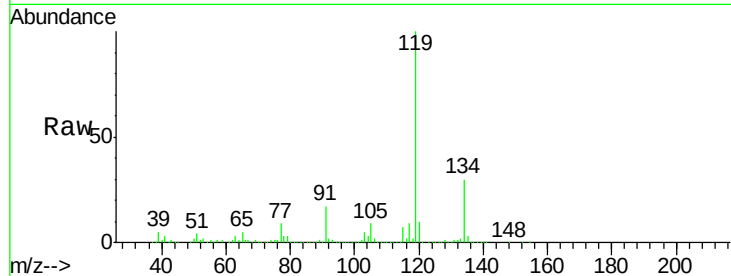




#90
Hexachloroethane
Concen: 24.49 ug/l
RT: 12.26 min Scan# 3628
Delta R.T. 0.11 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

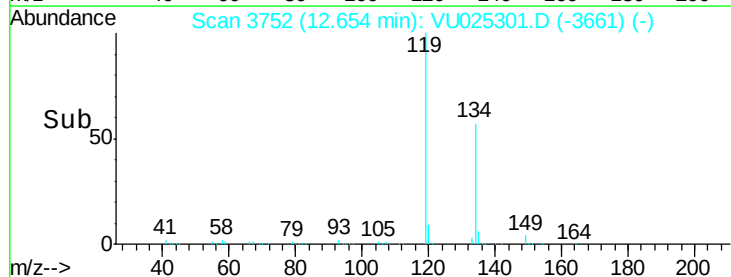
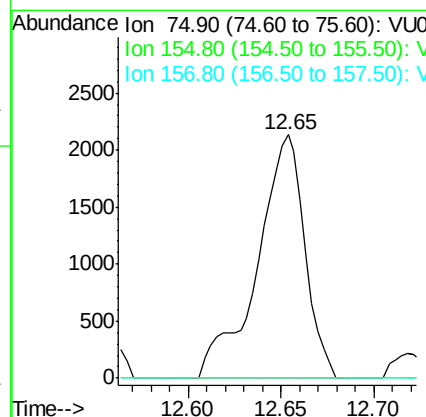
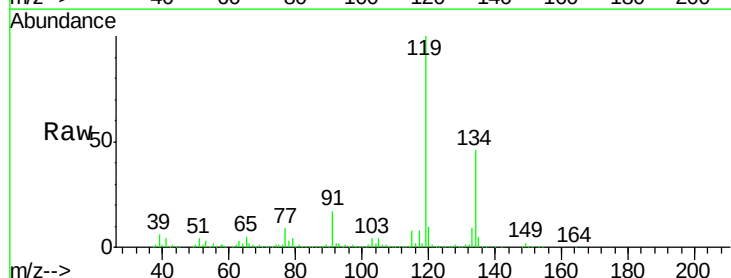
Instrument :
MSVOA_U
ClientSampleId :
SS038MW009-180705

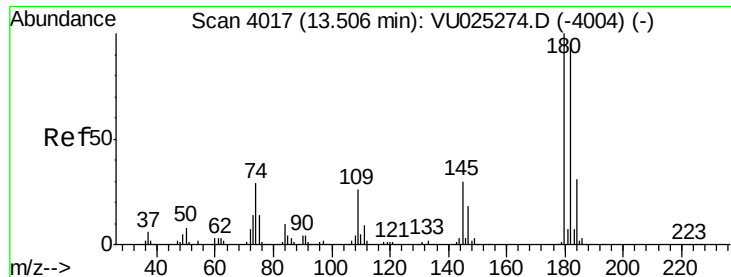
Tot Ion:117 Resp: 44586
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.96 ug/l
RT: 12.65 min Scan# 3752
Delta R.T. -0.01 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

Tgt Ion: 75 Resp: 3807
Ion Ratio Lower Upper
75 100
155 0.0 44.5 133.3#
157 0.0 57.0 170.8#

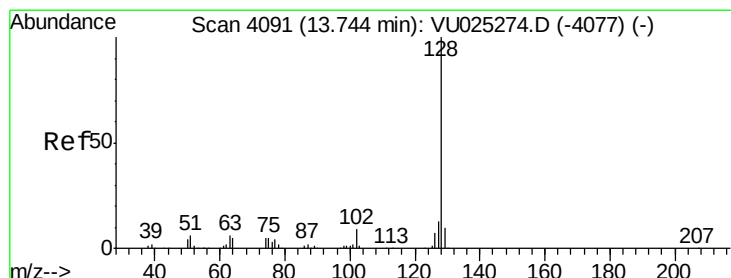
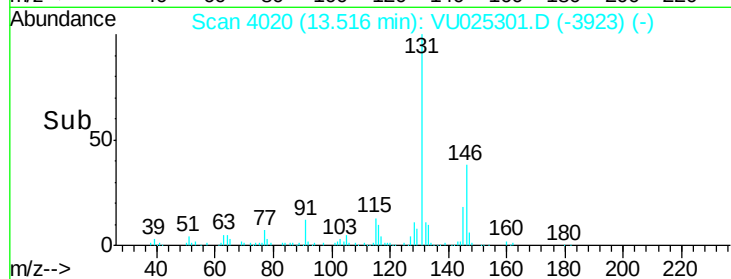
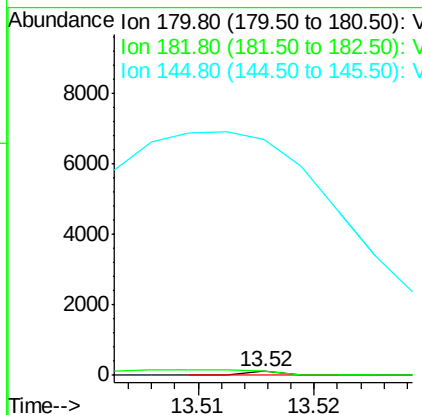
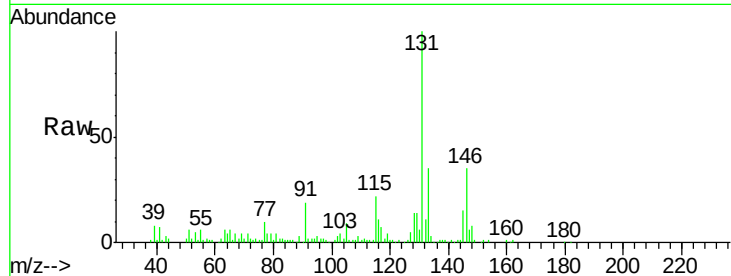




#93
 1,2,4-Trichlorobenzene
 Concen: 3.29 ug/l
 RT: 13.52 min Scan# 4020
 Delta R.T. 0.01 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

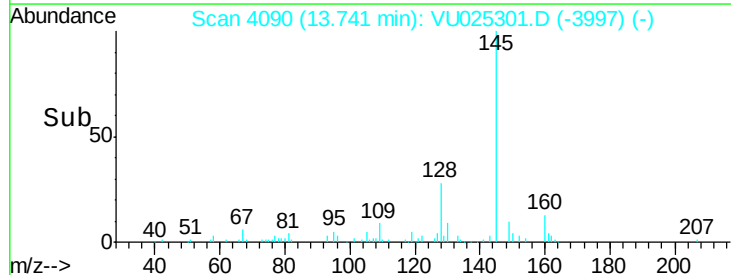
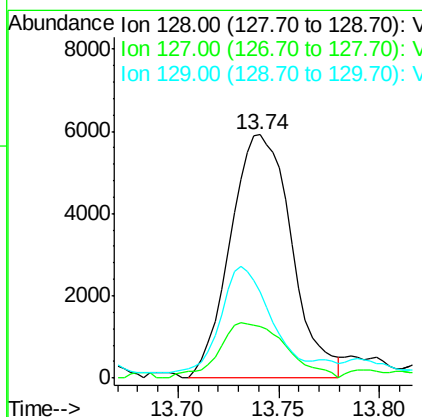
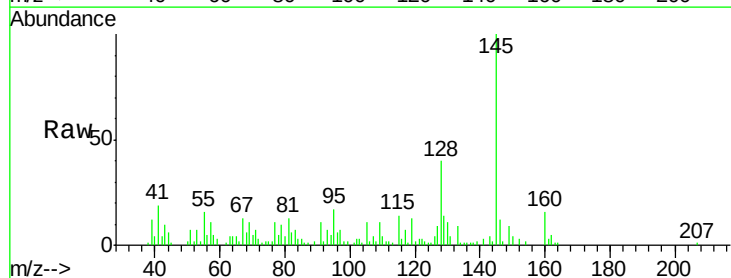
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW009-180705

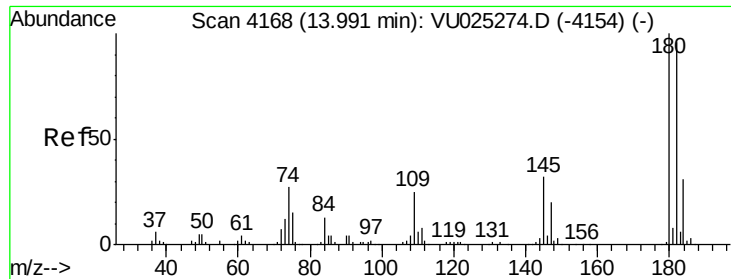
Tot Ion:180 Resp: 21
 Ion Ratio Lower Upper
 180 100
 182 761.9 47.3 141.9#
 145 51295.2 14.9 44.7#



#95
 Naphthalene
 Concen: 3.44 ug/l
 RT: 13.74 min Scan# 4090
 Delta R.T. -0.00 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

Tgt Ion:128 Resp: 12567
 Ion Ratio Lower Upper
 128 100
 127 24.8 10.5 15.7#
 129 34.7 8.3 12.5#

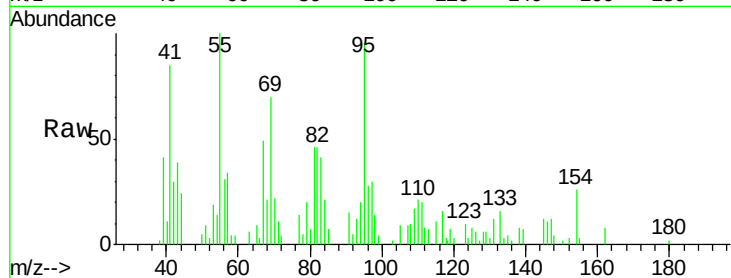




#96
 1,2,3-Trichlorobenzene
 Concen: 2.54 ug/l
 RT: 14.00 min Scan# 4170
 Delta R.T. 0.01 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW009-180705

Tot Ion:180 Resp: 41
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 0.0 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

