

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
 Data File : VU025309.D
 Acq On : 11 Jul 2018 13:03
 Operator : MD/SY
 Sample : J3898-11DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW013-180705DL

Quant Time: Jul 12 03:09:33 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	210433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	314753	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	290983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150246	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	156986	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
35) Dibromofluoromethane	4.89	113	123404	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
50) Toluene-d8	7.57	98	454229	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	10.31	95	166366	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	826	0.94	ug/l	94
4) Vinyl Chloride	1.40	62	17014	7.11	ug/l	99
5) Bromomethane	1.63	94	536	Below Cal		98
6) Chloroethane	1.72	64	201	0.42	ug/l #	43
10) Methyl Iodide	2.42	142	668	7.92	ug/l #	54
11) Tert butyl alcohol	2.84	59	1189	1.67	ug/l #	73
13) Acrolein	2.20	56	163	0.35	ug/l #	1
14) Allyl chloride	2.71	41	4158	1.07	ug/l #	53
16) Acetone	2.32	43	5037	7.83	ug/l	94
17) Carbon Disulfide	2.48	76	1087	2.10	ug/l #	90
18) Methyl Acetate	2.71	43	8836	2.64	ug/l #	52
20) Methylene Chloride	2.71	84	10187	4.66	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	13908	4.93	ug/l	84
29) Tetrahydrofuran	4.65	42	673	0.50	ug/l #	34
31) Cyclohexane	4.99	56	5073	1.95	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	15009	4.29	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19934	5.29	ug/l #	15
40) Benzene	5.40	78	10913	1.08	ug/l	92
43) Isopropyl Acetate	5.54	43	4642	0.74	ug/l #	61
48) Methyl methacrylate	6.59	41	749	0.24	ug/l #	28
65) Chlorobenzene	9.12	112	213105	29.32	ug/l	98
73) Isopropylbenzene	10.17	105	10511	0.92	ug/l	97
74) N-ethyl acetate	10.02	43	529	1.38	ug/l #	49
76) 1,2,3-Trichloropropane	10.31	75	85458	27.95	ug/l #	36
78) n-propylbenzene	10.60	91	3330	0.26	ug/l	100
79) 2-Chlorotoluene	10.67	91	640	0.23	ug/l	78
81) trans-1,4-Dichloro-2-buten	10.31	75	85458	71.39	ug/l #	100
83) tert-Butylbenzene	11.10	119	7489	0.77	ug/l	90
85) sec-Butylbenzene	11.33	105	15624	1.36	ug/l	100
86) p-Isopropyltoluene	11.69	119	30318	2.98	ug/l	98
88) 1,4-Dichlorobenzene	11.42	146	779	1.63	ug/l	96
89) n-Butylbenzene	11.89	91	2895	0.35	ug/l #	75
90) Hexachloroethane	12.29	117	9957	5.78	ug/l #	7
91) 1,2-Dichlorobenzene	11.89	146	1320	0.24	ug/l	88

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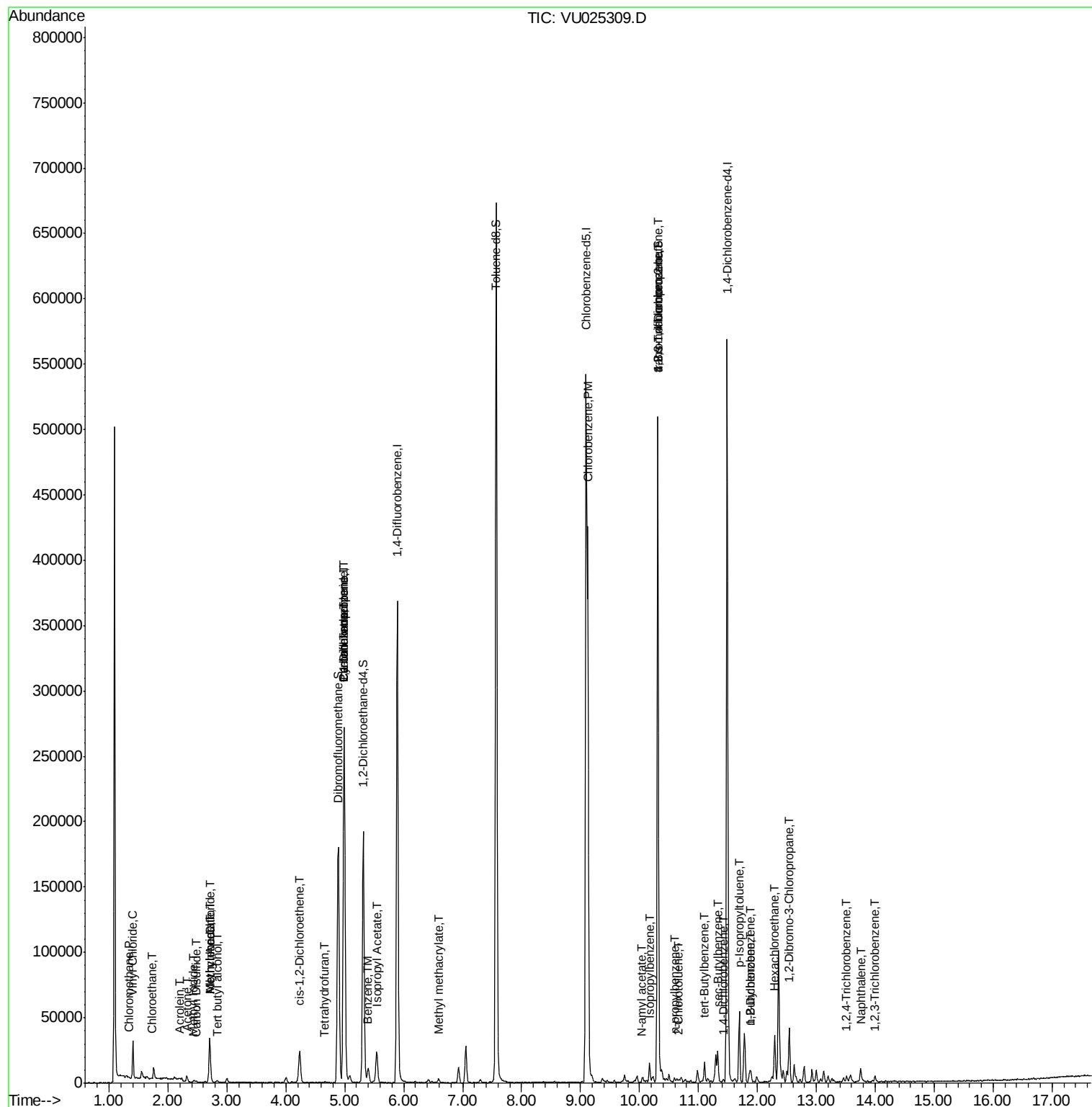
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	12.54	75	245	0.27	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.52	180	1487	3.67	ug/l #	83
95) Naphthalene	13.75	128	10344	3.31	ug/l	98
96) 1,2,3-Trichlorobenzene	14.00	180	1919	3.02	ug/l	94

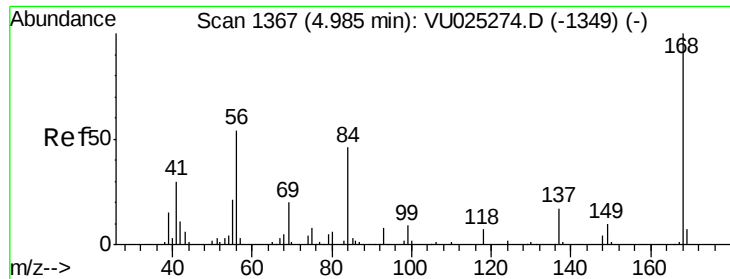
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

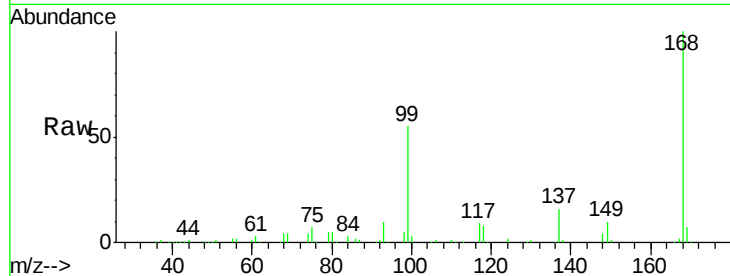
SS038MW013-180705DL

Tot Ion:168 Resp: 210433

Ion Ratio Lower Upper

168 100

99 55.4 42.8 64.2



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

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

4.99

100000

80000

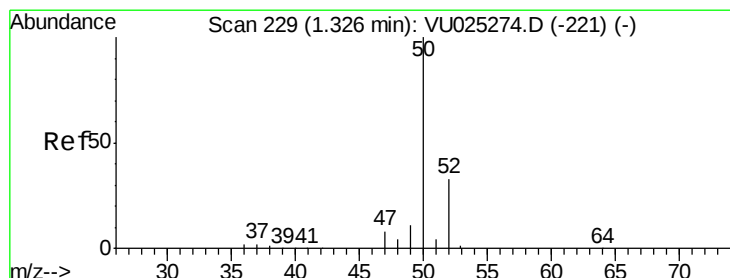
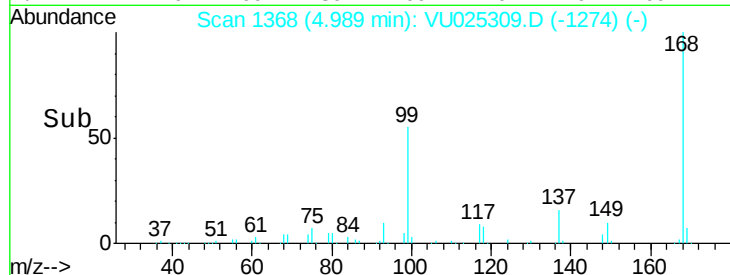
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.94 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.01 min

Lab File: VU025309.D

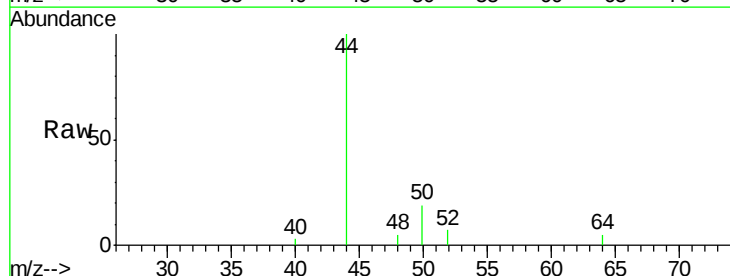
Acq: 11 Jul 2018 13:03

Tgt Ion: 50 Resp: 826

Ion Ratio Lower Upper

50 100

52 36.6 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

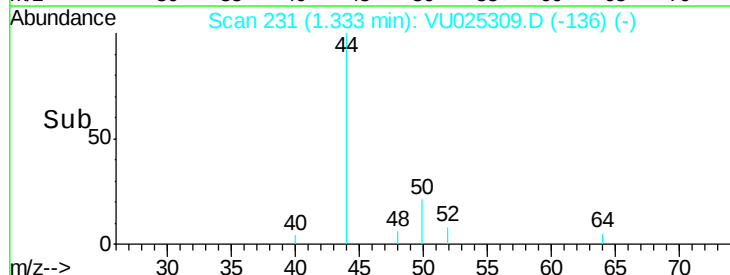
600

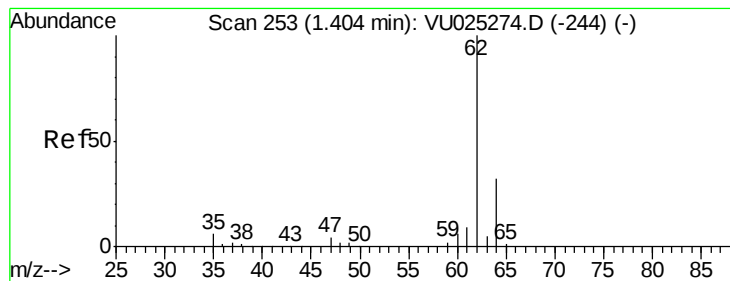
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 7.11 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

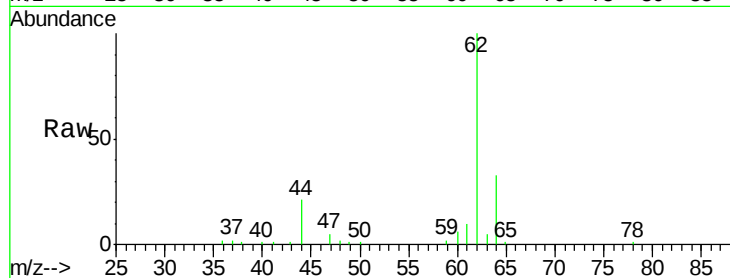
SS038MW013-180705DL

Tot Ion: 62 Resp: 17014

Ion Ratio Lower Upper

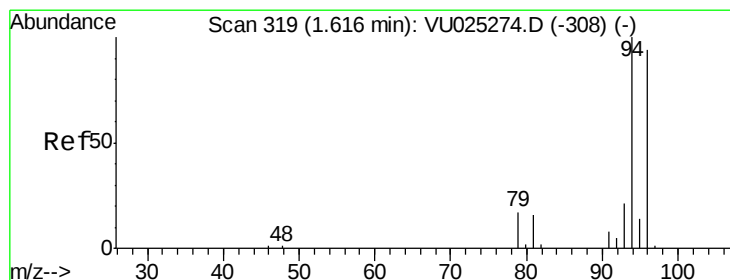
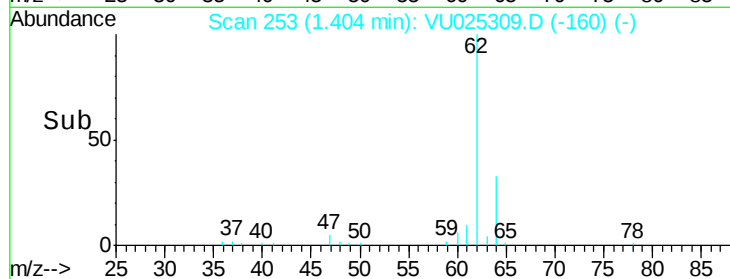
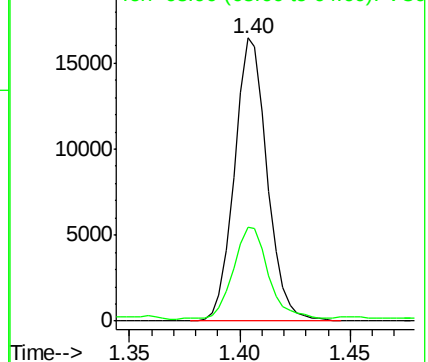
62 100

64 32.1 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: 1.63 min Scan# 324

Delta R.T. 0.02 min

Lab File: VU025309.D

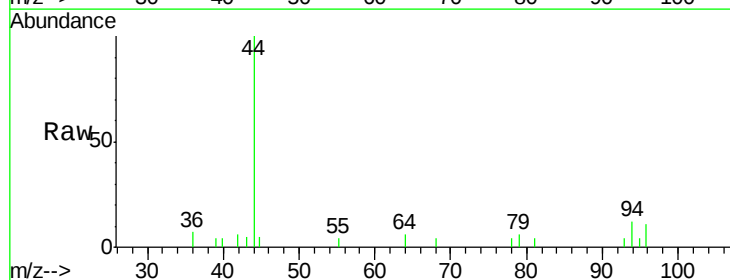
Acq: 11 Jul 2018 13:03

Tgt Ion: 94 Resp: 536

Ion Ratio Lower Upper

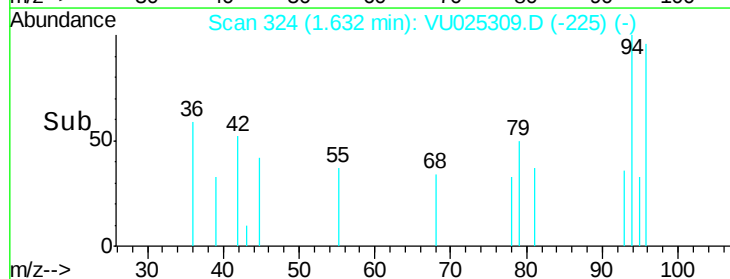
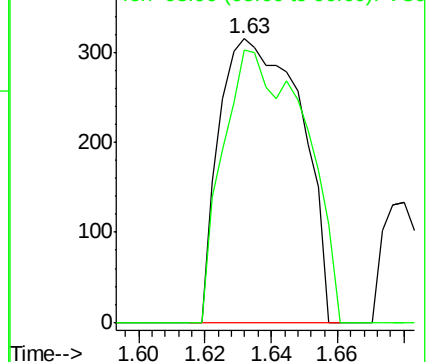
94 100

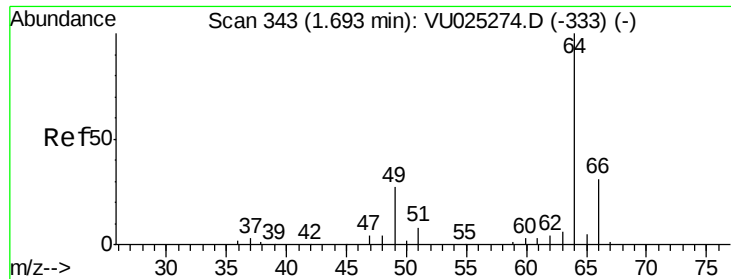
96 95.9 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: 0.42 ug/l

RT: 1.72 min Scan# 350

Delta R.T. 0.02 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

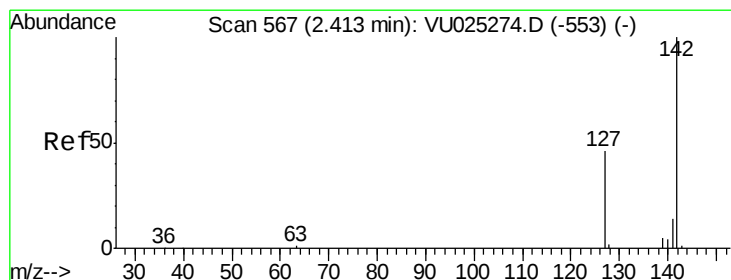
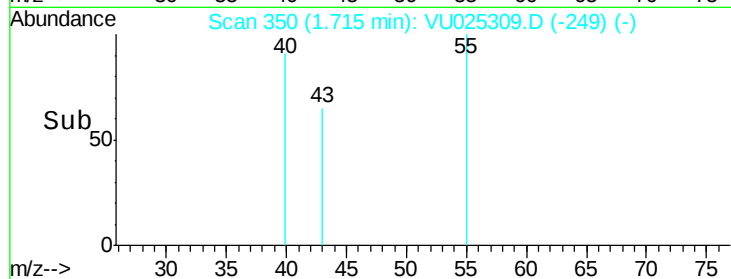
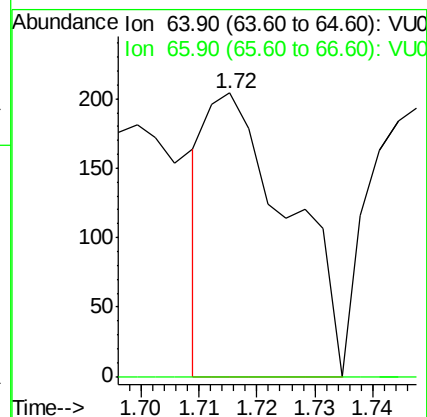
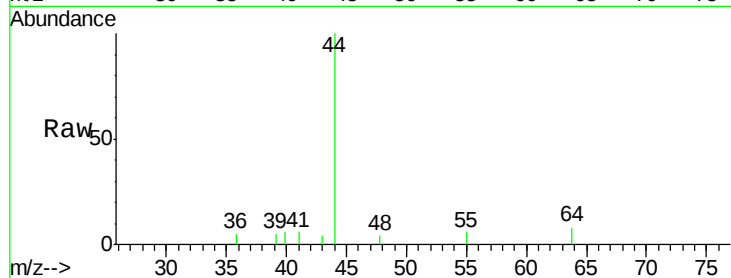
SS038MW013-180705DL

Tot Ion: 64 Resp: 201

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#



#10

Methyl Iodide

Concen: 7.92 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

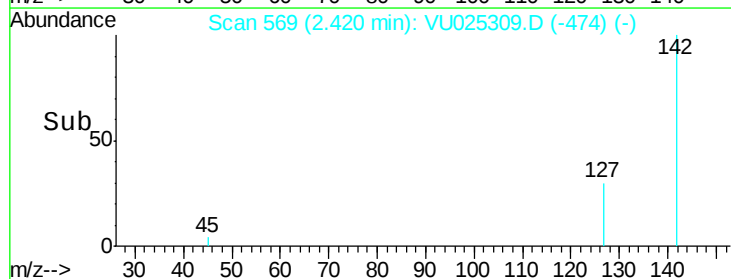
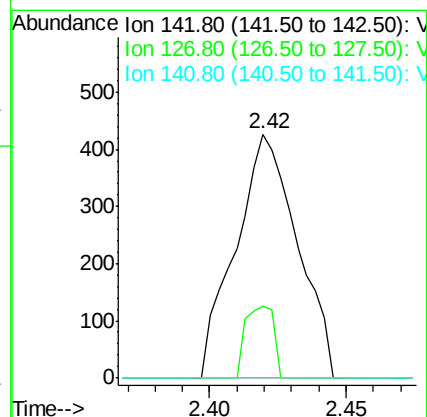
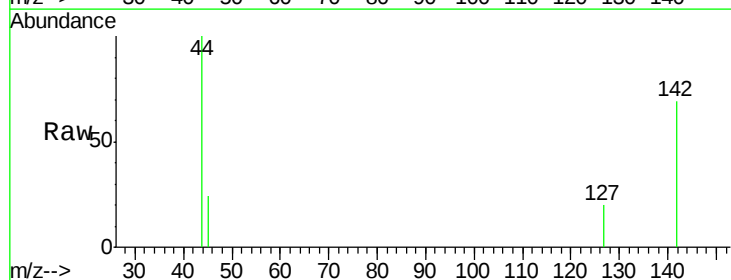
Tgt Ion: 142 Resp: 668

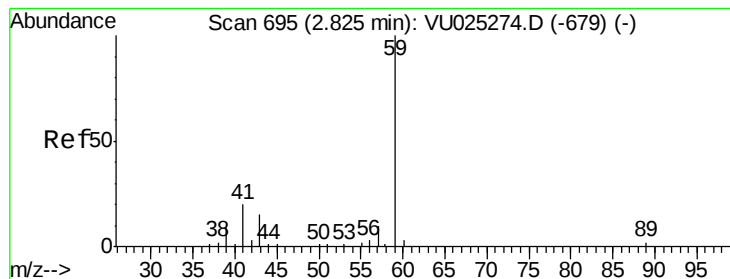
Ion Ratio Lower Upper

142 100

127 13.5 36.5 54.7#

141 0.0 11.4 17.2#



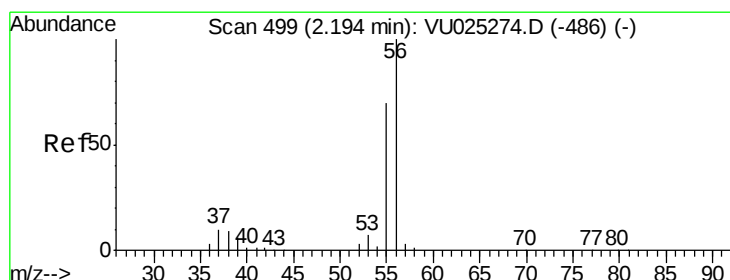
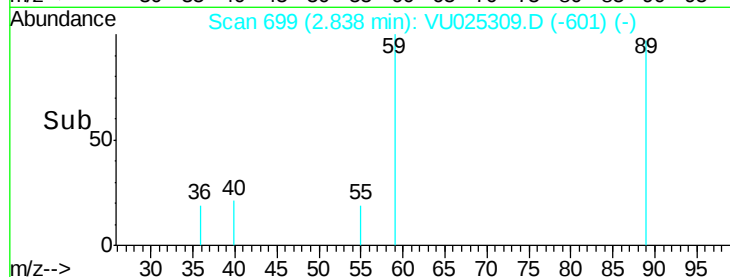
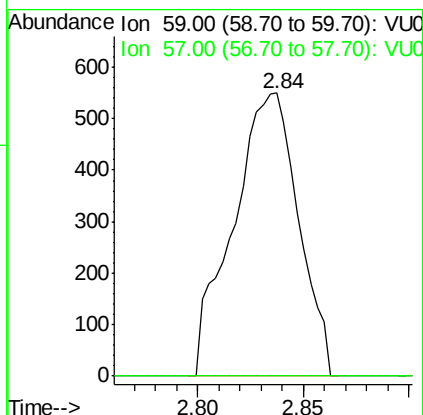
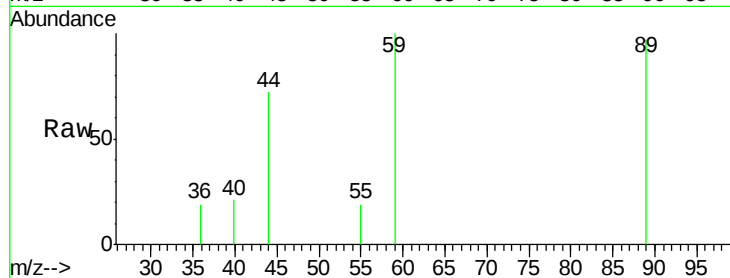


#11

Tert butyl alcohol
 Concen: 1.67 ug/l
 RT: 2.84 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: VU025309.D
 Acq: 11 Jul 2018 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW013-180705DL

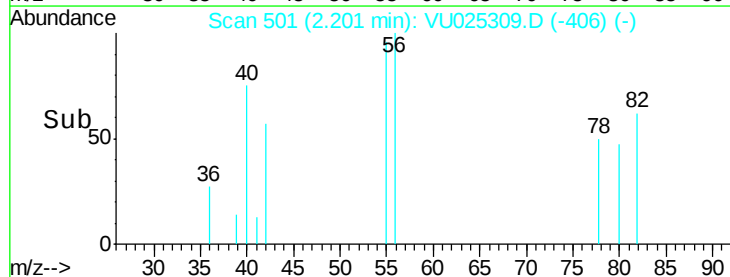
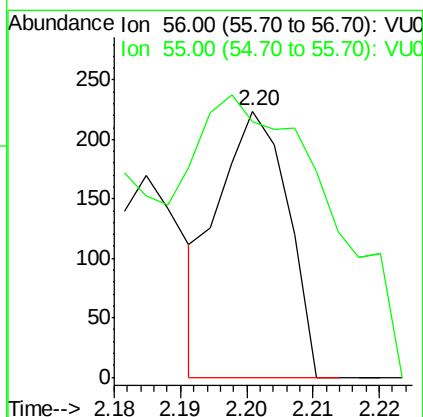
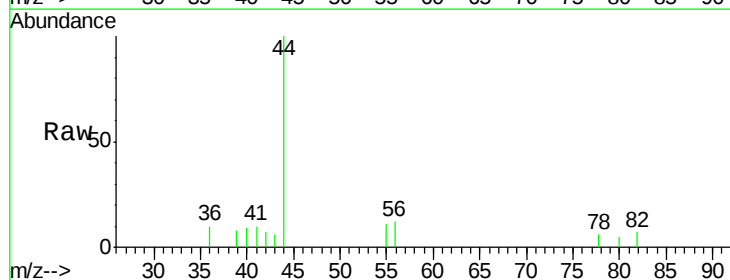
Tot Ion: 59 Resp: 1189
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

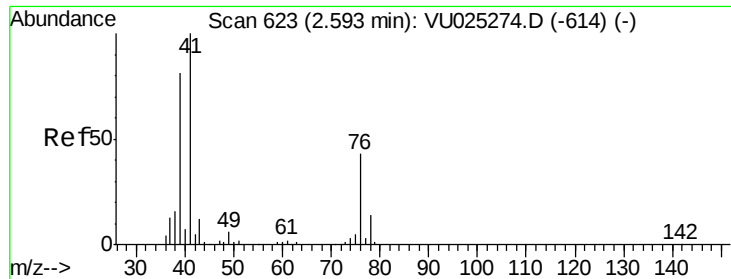


#13

Acrolein
 Concen: 0.35 ug/l
 RT: 2.20 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VU025309.D
 Acq: 11 Jul 2018 13:03

Tgt Ion: 56 Resp: 163
 Ion Ratio Lower Upper
 56 100
 55 209.2 57.2 85.8#





#14

Allvl chloride

Concen: 1.07 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.11 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

SS038MW013-180705DL

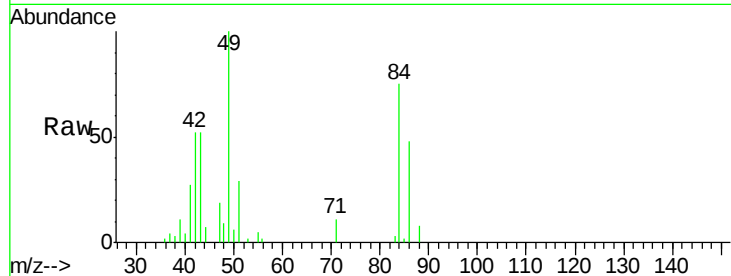
Tot Ion: 41 Resp: 4158

Ion Ratio Lower Upper

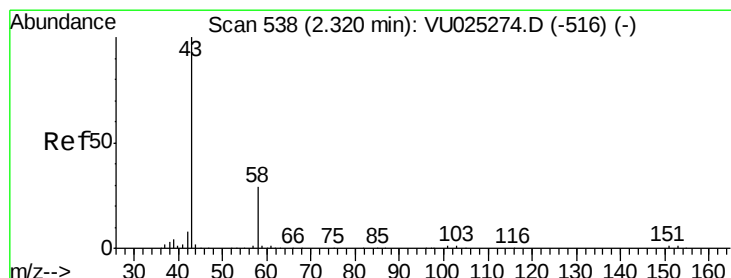
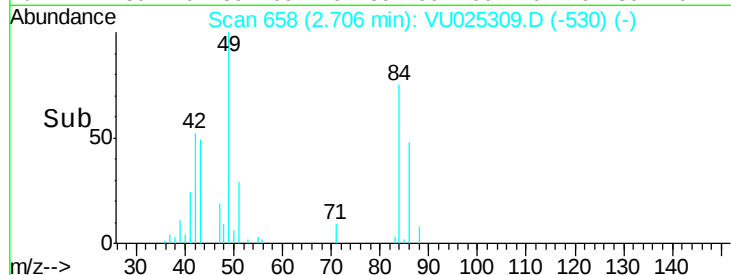
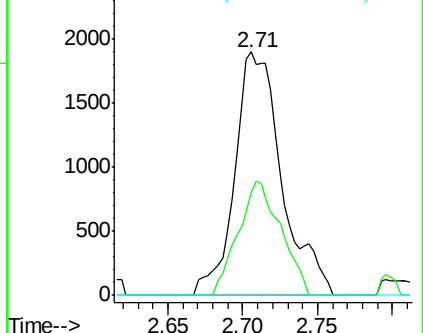
41 100

39 42.4 60.6 91.0#

76 0.0 30.5 45.7#



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 75.90 (75.60 to 76.60): VU0



#16

Acetone

Concen: 7.83 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025309.D

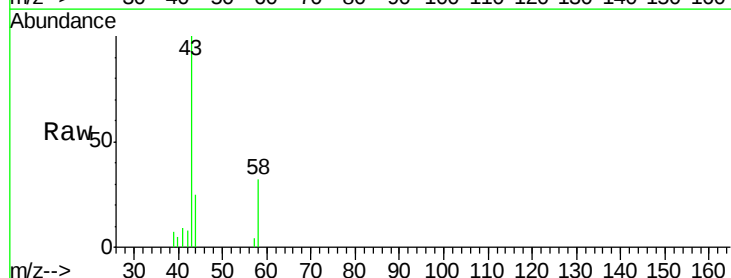
Acq: 11 Jul 2018 13:03

Tgt Ion: 43 Resp: 5037

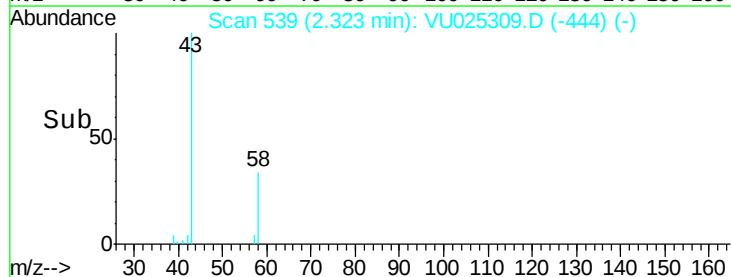
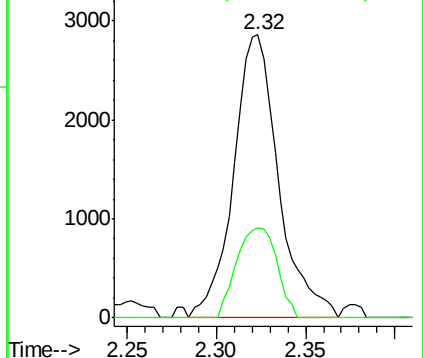
Ion Ratio Lower Upper

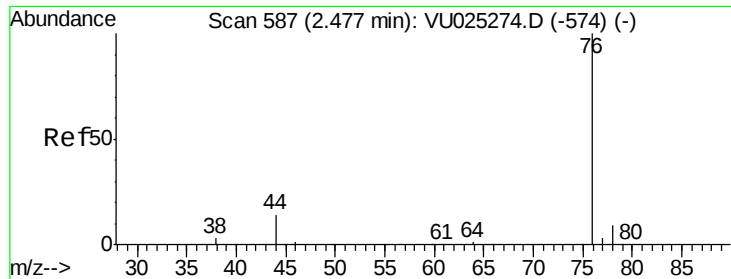
43 100

58 31.9 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: 2.10 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

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ClientSampleId :

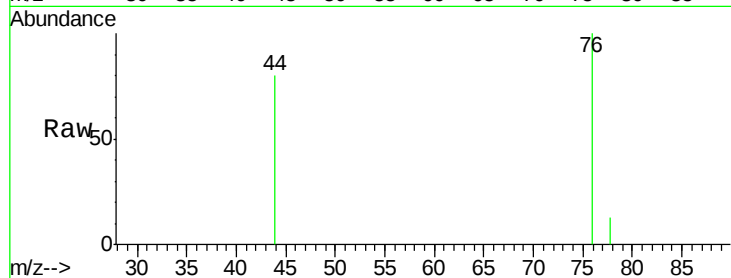
SS038MW013-180705DL

Tot Ion: 76 Resp: 1087

Ion Ratio Lower Upper

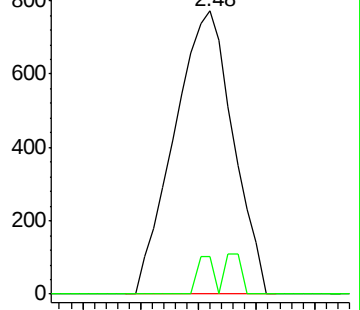
76 100

78 13.1 7.4 11.2#

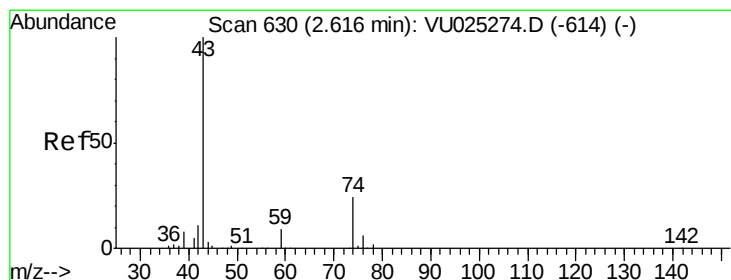
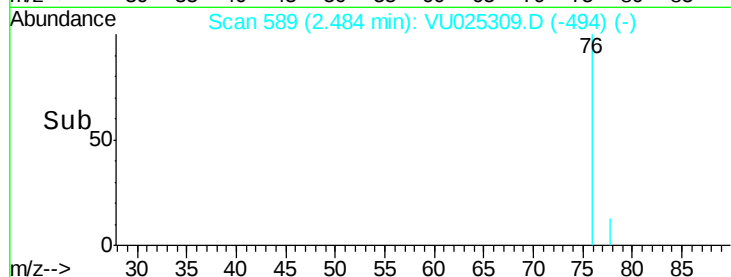


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



Time-->



#18

Methyl Acetate

Concen: 2.64 ug/l

RT: 2.71 min Scan# 660

Delta R.T. 0.10 min

Lab File: VU025309.D

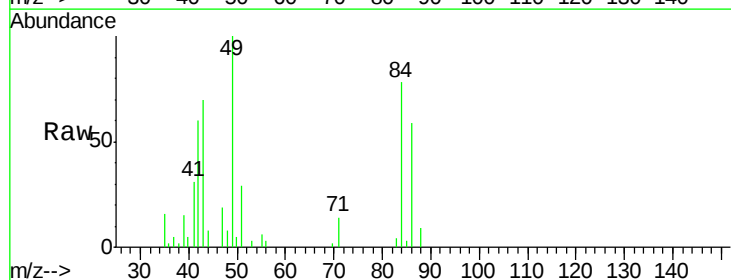
Acq: 11 Jul 2018 13:03

Tgt Ion: 43 Resp: 8836

Ion Ratio Lower Upper

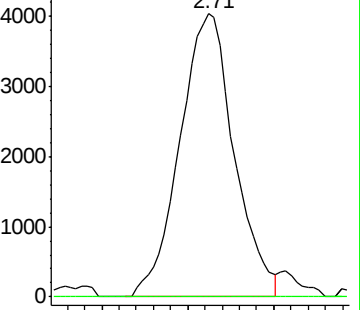
43 100

74 0.0 18.5 27.7#

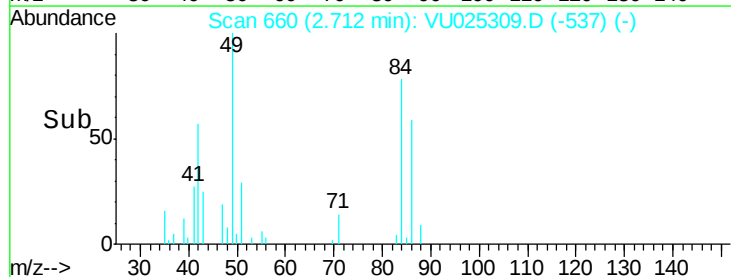


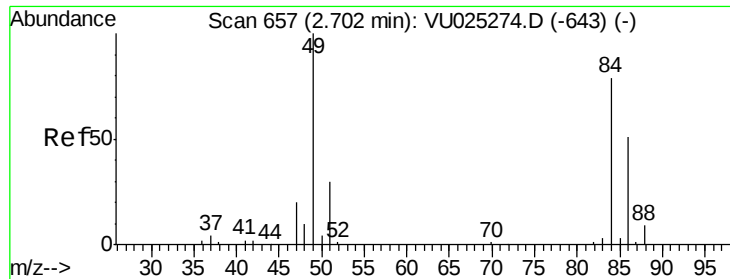
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



Time-->

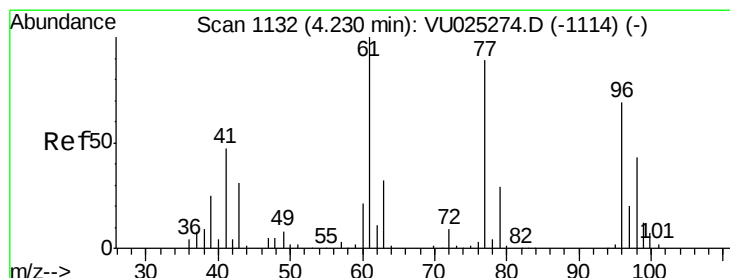
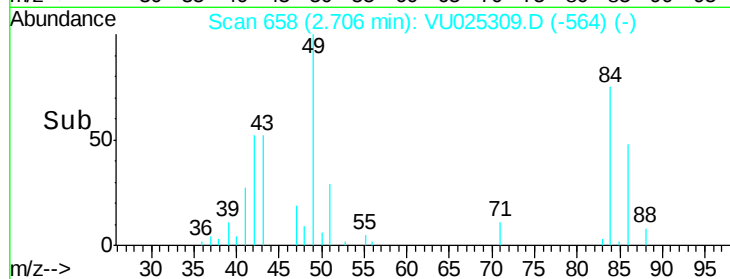
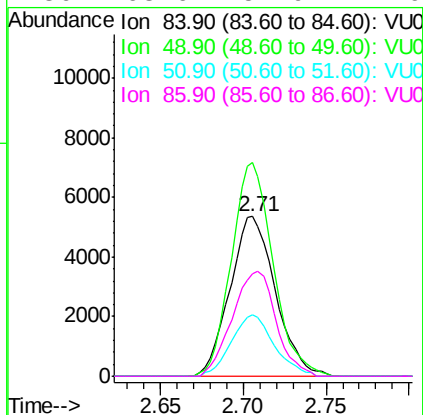
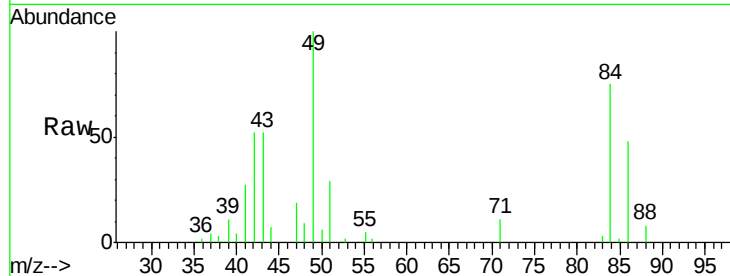




#20
Methvlene Chloride
Concen: 4.66 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025309.D
Acq: 11 Jul 2018 13:03

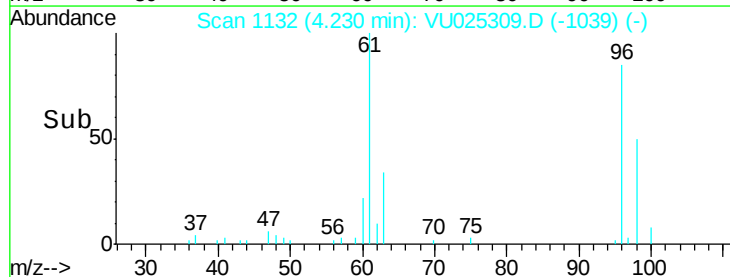
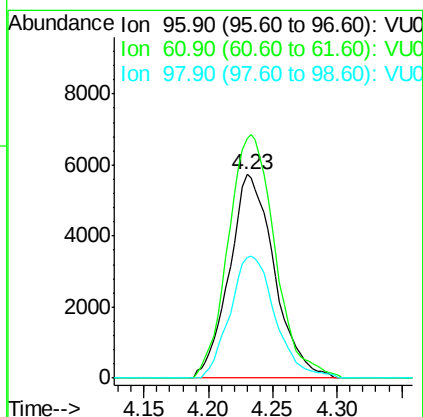
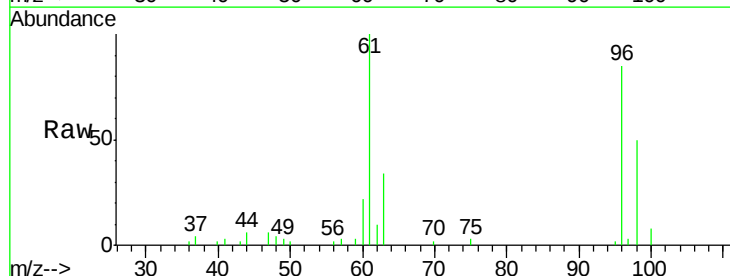
Instrument :
MSVOA_U
ClientSampleId :
SS038MW013-180705DL

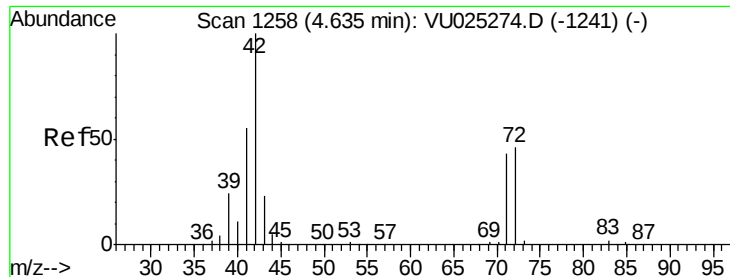
Tot Ion: 84 Resp: 10187
Ion Ratio Lower Upper
84 100
49 133.5 101.8 152.6
51 38.6 30.8 46.2
86 63.6 51.9 77.9



#27
cis-1,2-Dichloroethene
Concen: 4.93 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025309.D
Acq: 11 Jul 2018 13:03

Tgt Ion: 96 Resp: 13908
Ion Ratio Lower Upper
96 100
61 124.1 0.0 299.8
98 60.0 0.0 128.6

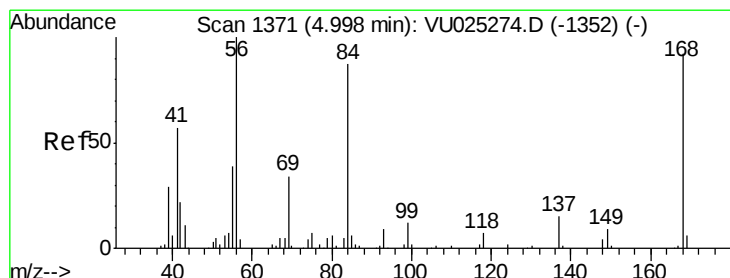
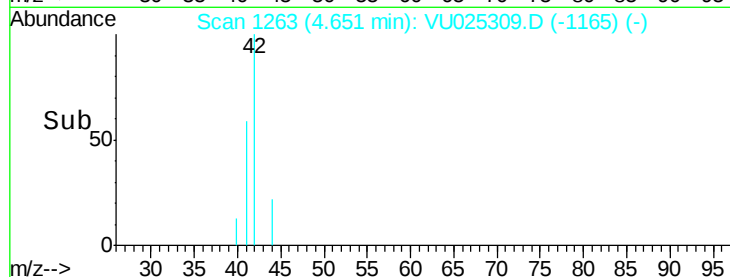
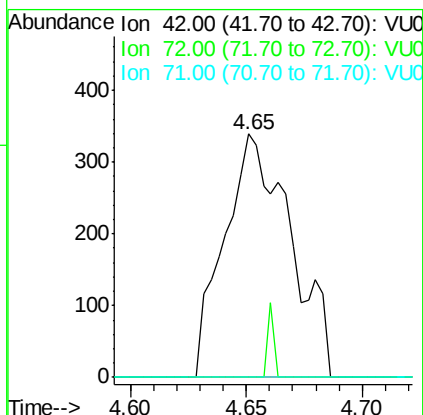
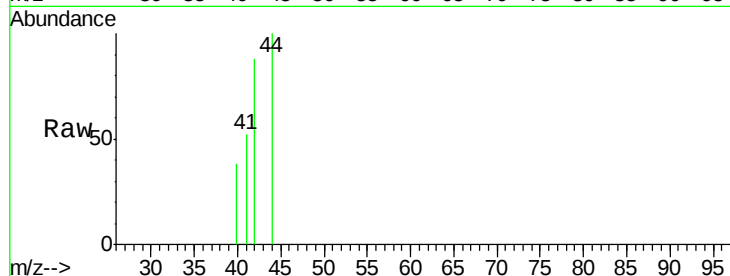




#29
Tetrahydrofuran
Concen: 0.50 ug/l
RT: 4.65 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VU025309.D
Acq: 11 Jul 2018 13:03

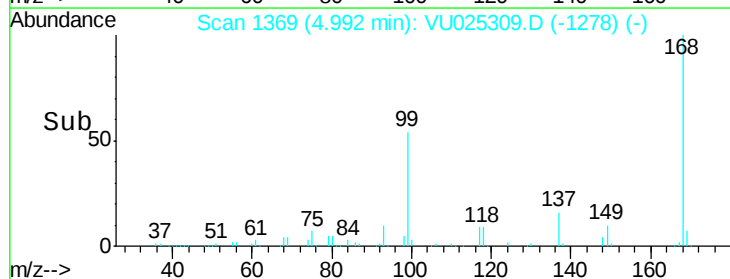
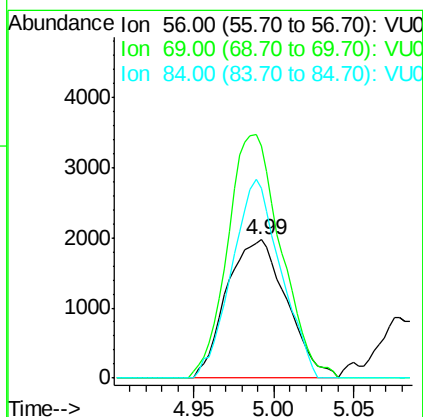
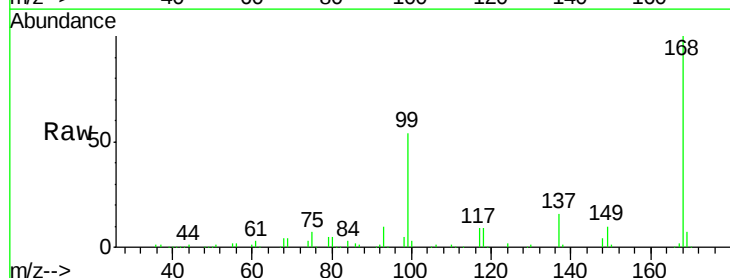
Instrument :
MSVOA_U
ClientSampleId :
SS038MW013-180705DL

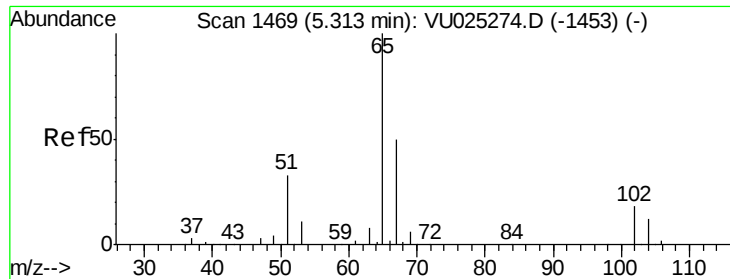
Tot Ion: 42 Resp: 673
Ion Ratio Lower Upper
42 100
72 3.0 36.7 55.1#
71 0.0 33.9 50.9#



#31
Cyclohexane
Concen: 1.95 ug/l
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU025309.D
Acq: 11 Jul 2018 13:03

Tgt Ion: 56 Resp: 5073
Ion Ratio Lower Upper
56 100
69 167.7 26.8 40.2#
84 137.7 69.7 104.5#





#33

1,2-Dichloroethane-d4

Concen: 48.02 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

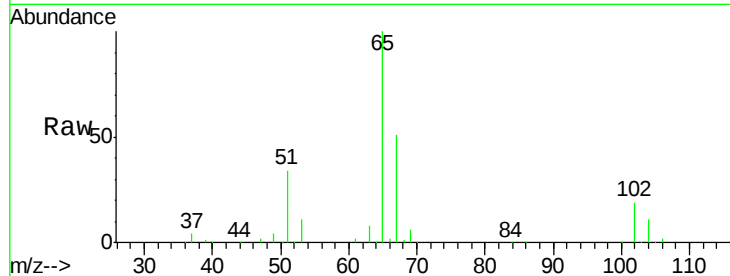
SS038MW013-180705DL

Tot Ion: 65 Resp: 156986

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.6



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

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

5.31

80000

60000

40000

20000

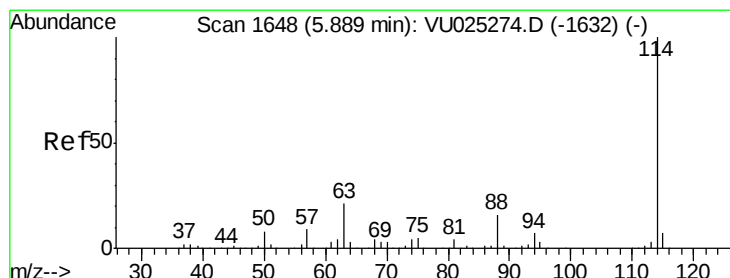
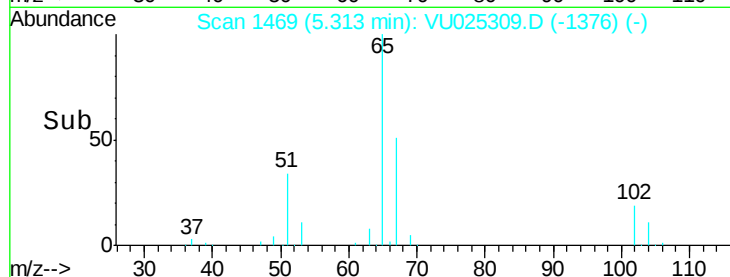
0

Time-->

5.20

5.30

5.40



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

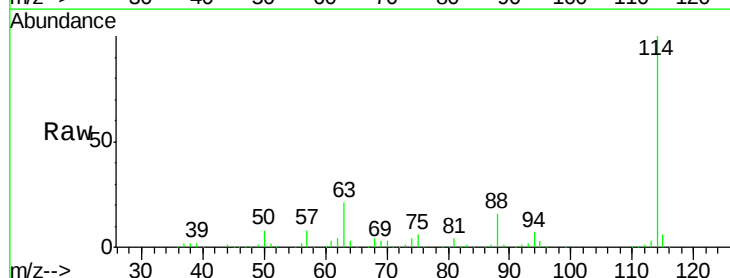
Tgt Ion: 114 Resp: 314753

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.6

88 16.2 0.0 32.4



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

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

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

200000

150000

100000

50000

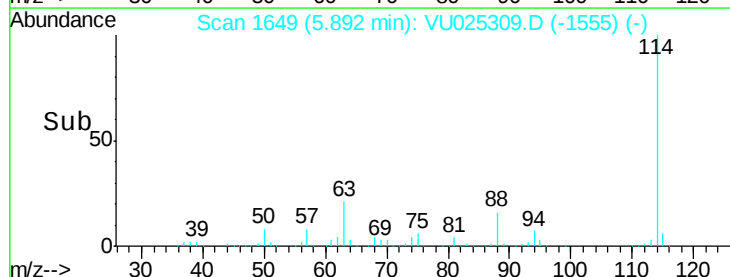
0

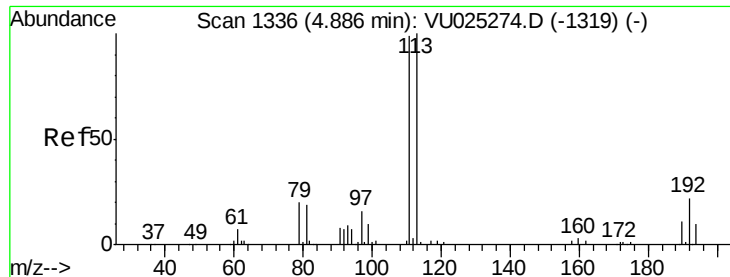
Time-->

5.80

5.90

6.00

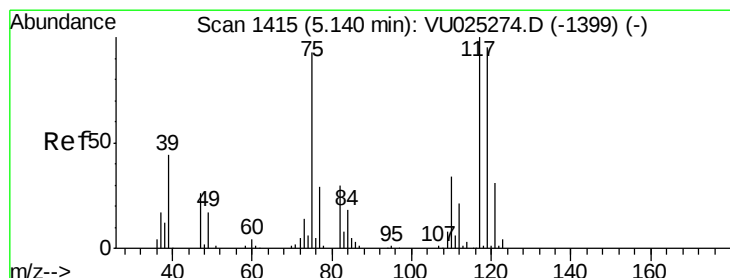
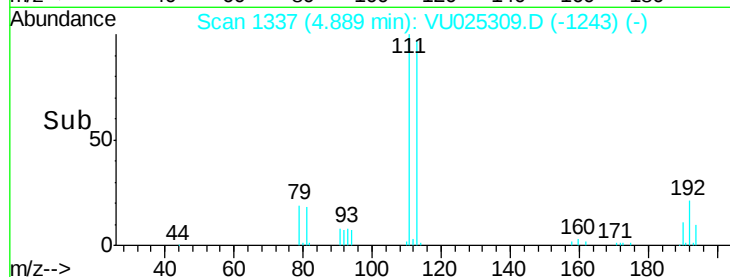
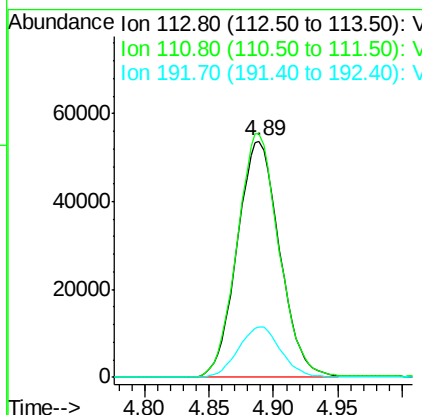
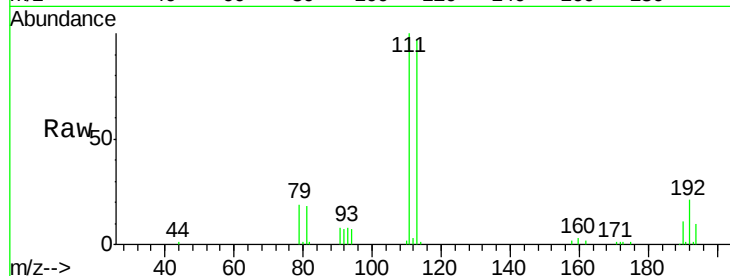




#35
Dibromofluoromethane
Concen: 46.48 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025309.D
Acq: 11 Jul 2018 13:03

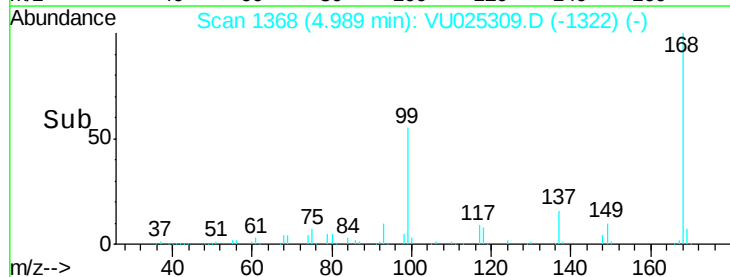
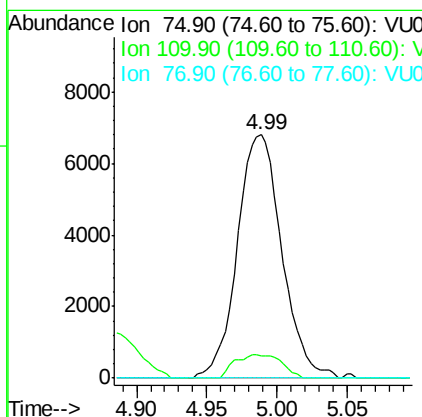
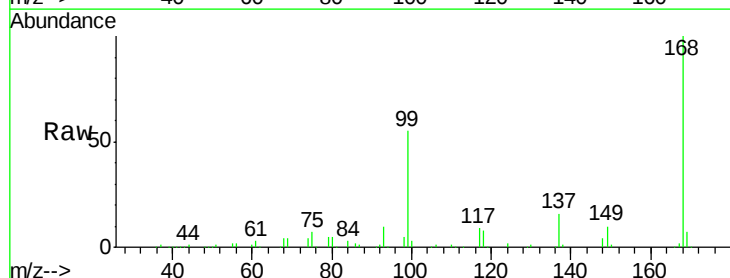
Instrument :
MSVOA_U
ClientSampleId :
SS038MW013-180705DL

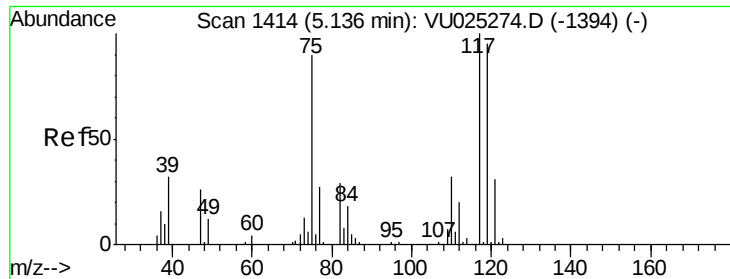
Tot Ion:113 Resp: 123404
Ion Ratio Lower Upper
113 100
111 102.1 81.7 122.5
192 21.5 17.1 25.7



#36
1,1-Dichloropropene
Concen: 4.29 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025309.D
Acq: 11 Jul 2018 13:03

Tgt Ion: 75 Resp: 15009
Ion Ratio Lower Upper
75 100
110 10.1 17.6 52.9#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.29 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.14 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

SS038MW013-180705DL

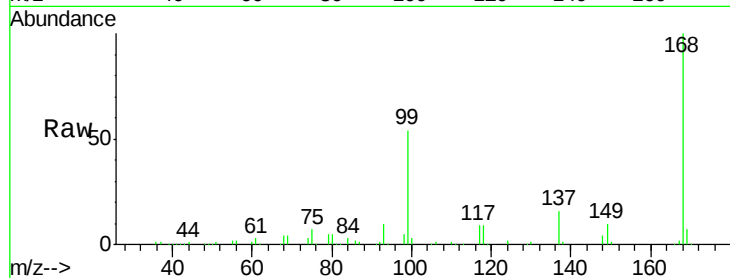
Tot Ion:117 Resp: 19934

Ion Ratio Lower Upper

117 100

119 3.4 75.7 113.5#

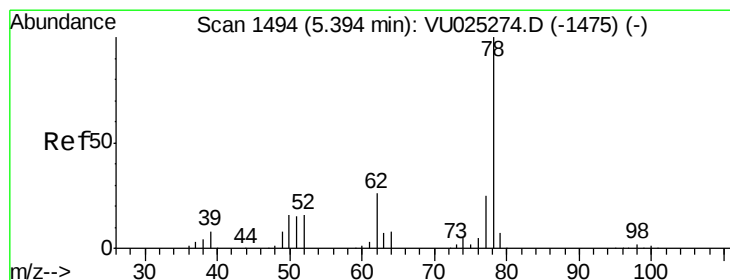
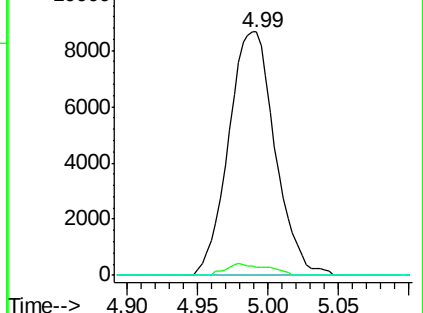
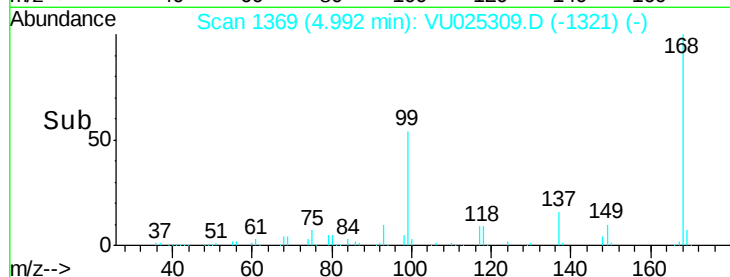
121 0.0 24.6 36.8#



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



#40

Benzene

Concen: 1.08 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025309.D

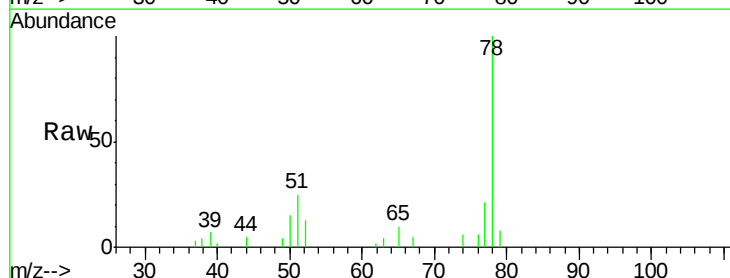
Acq: 11 Jul 2018 13:03

Tgt Ion: 78 Resp: 10913

Ion Ratio Lower Upper

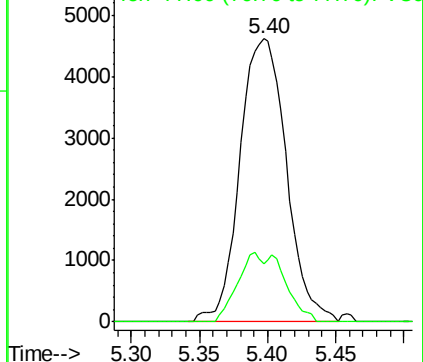
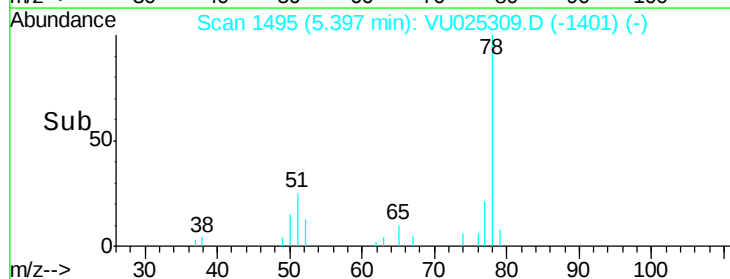
78 100

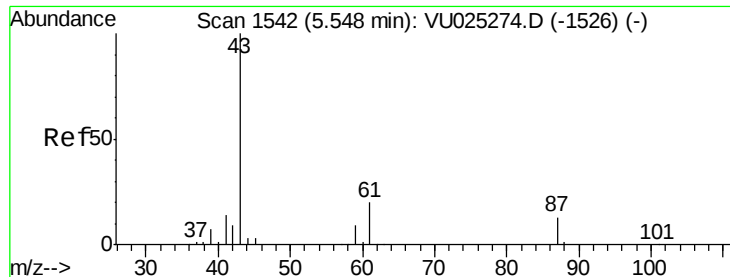
77 20.7 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#43

Isopropyl Acetate

Concen: 0.74 ug/l

RT: 5.54 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

SS038MW013-180705DL

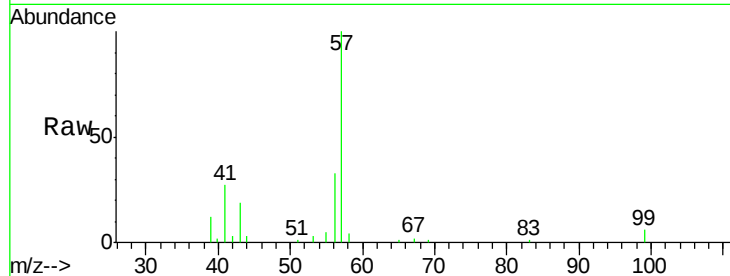
Tot Ion: 43 Resp: 4642

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

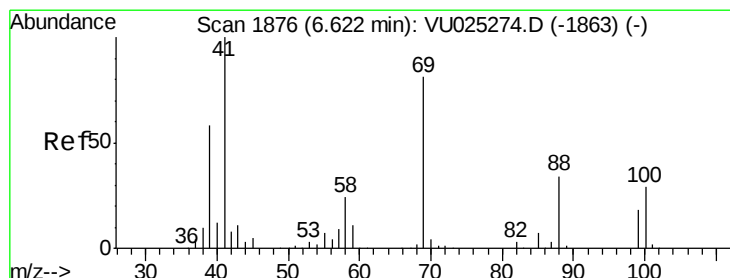
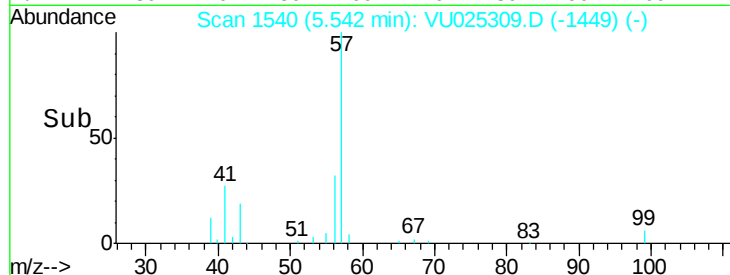
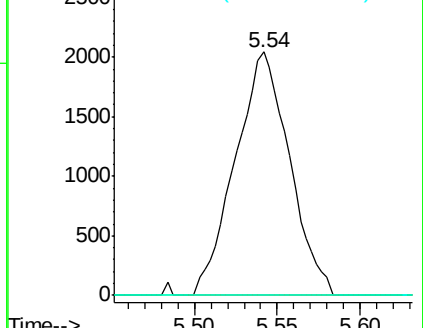
87 0.0 10.6 16.0#



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: 0.24 ug/l

RT: 6.59 min Scan# 1867

Delta R.T. -0.03 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

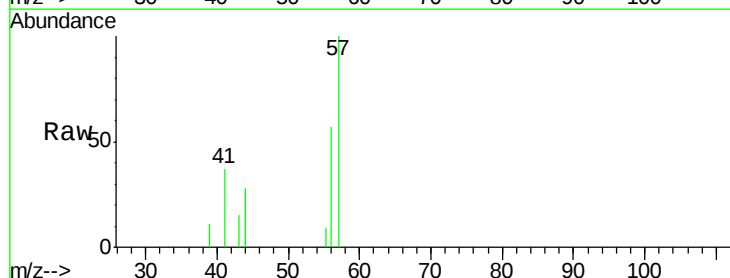
Tgt Ion: 41 Resp: 749

Ion Ratio Lower Upper

41 100

69 0.0 65.0 97.4#

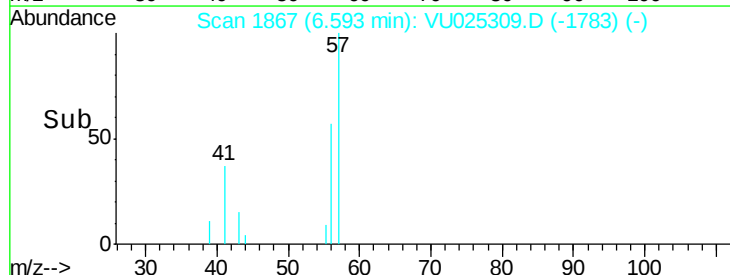
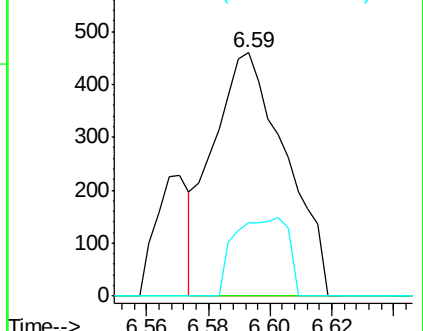
39 23.8 46.4 69.6#

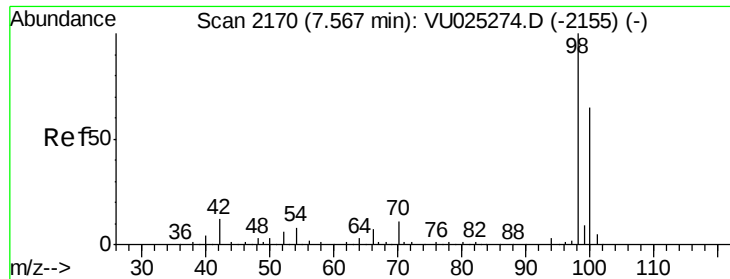


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#50

Toluene-d8

Concen: 49.96 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

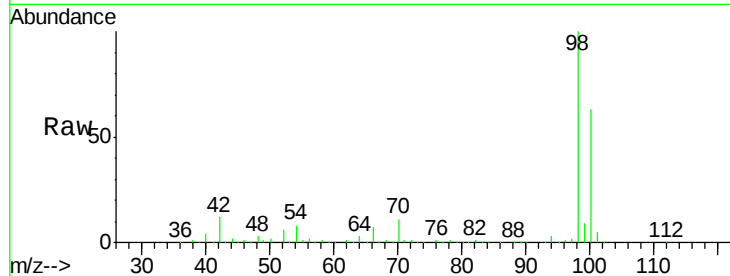
SS038MW013-180705DL

Tot Ion: 98 Resp: 454229

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



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

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

7.57

250000

200000

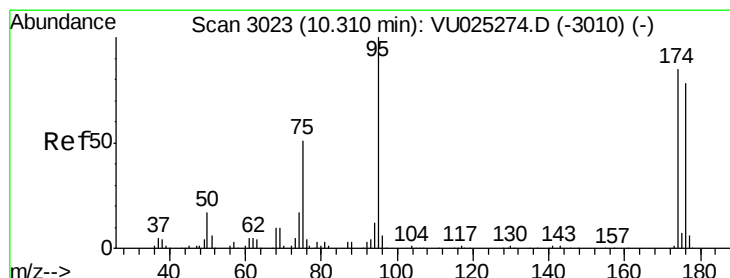
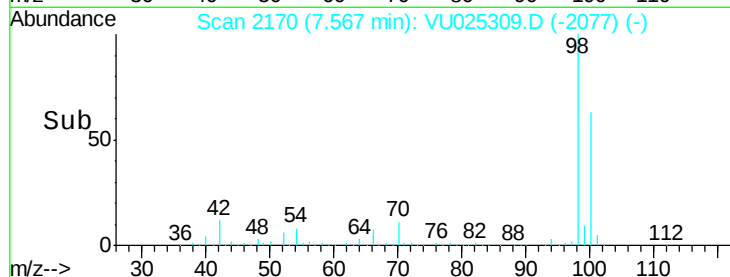
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.45 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

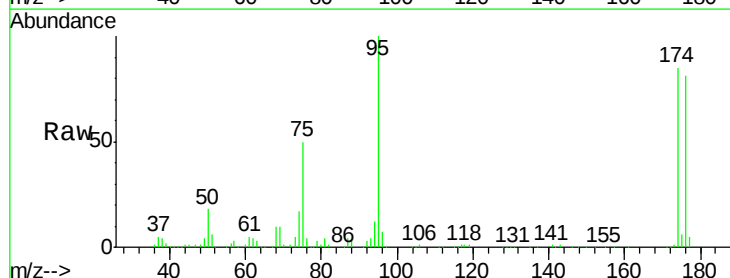
Tgt Ion: 95 Resp: 166366

Ion Ratio Lower Upper

95 100

174 85.8 0.0 172.2

176 83.1 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) (-)

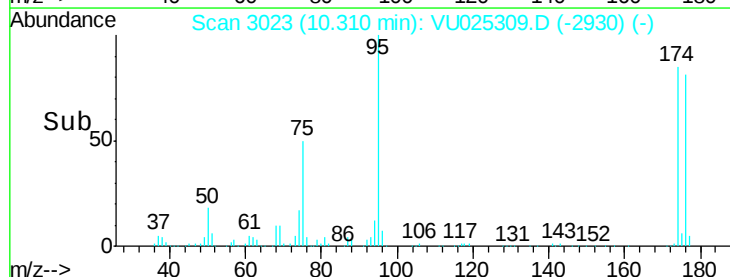
10.31

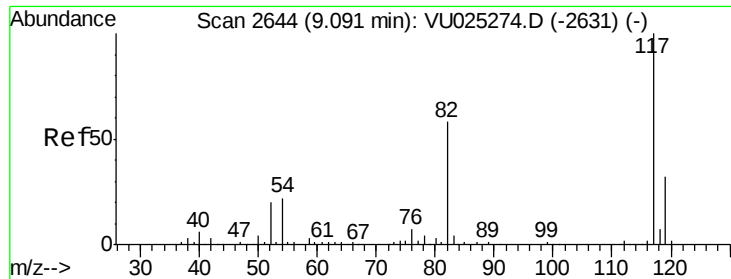
100000

50000

0

Time-->

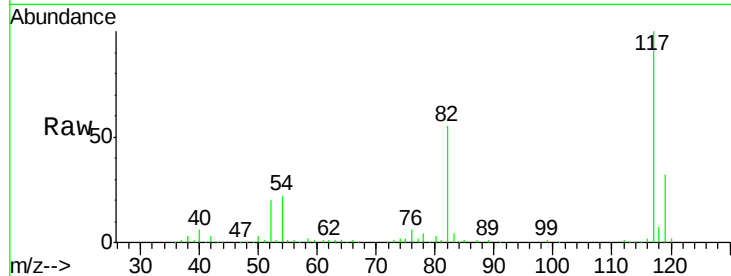




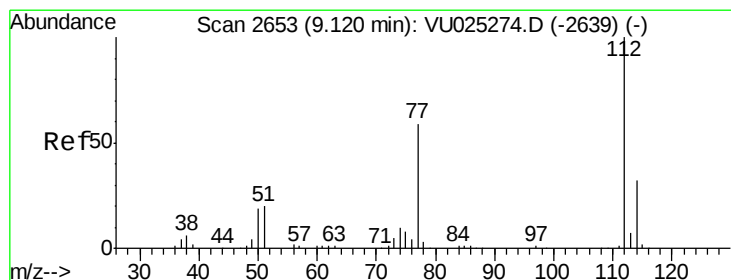
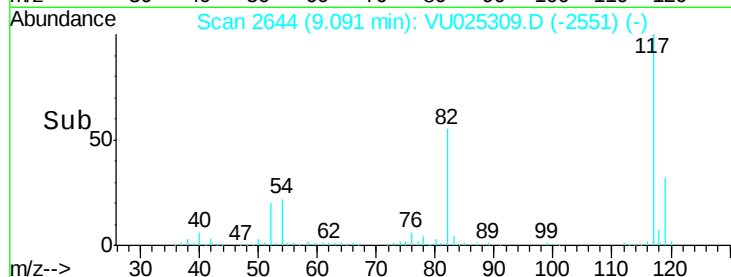
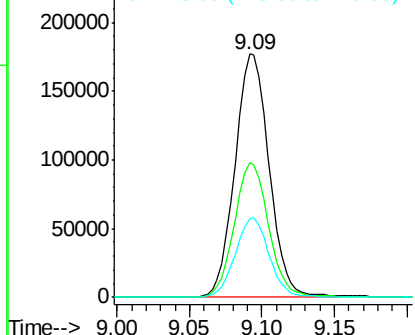
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025309.D
Acq: 11 Jul 2018 13:03

Instrument :
MSVOA_U
ClientSampleId :
SS038MW013-180705DL

Tot Ion:117 Resp: 290983
Ion Ratio Lower Upper
117 100
82 55.2 46.0 69.0
119 32.3 26.0 39.0

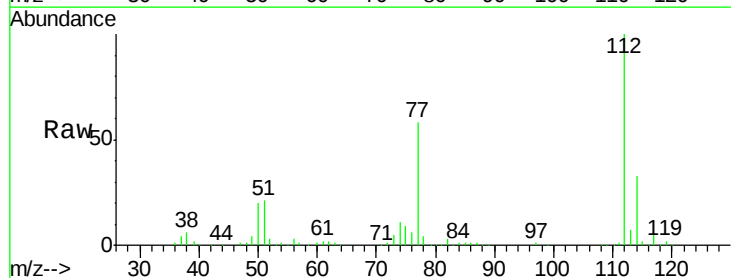


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

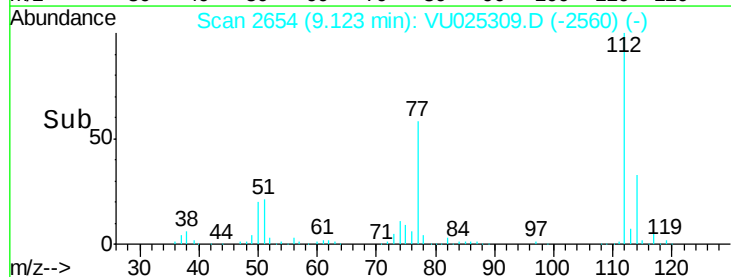
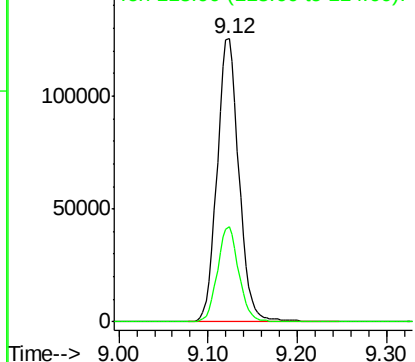


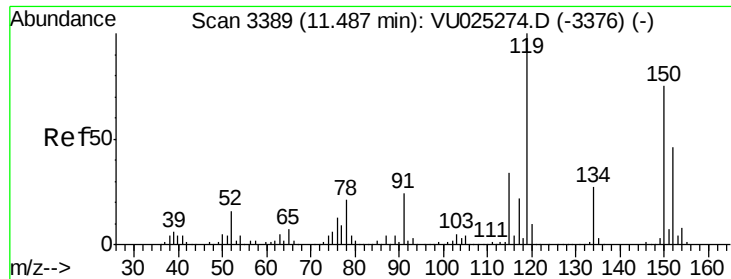
#65
Chlorobenzene
Concen: 29.32 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025309.D
Acq: 11 Jul 2018 13:03

Tgt Ion:112 Resp: 213105
Ion Ratio Lower Upper
112 100
114 33.4 25.8 38.8



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

SS038MW013-180705DL

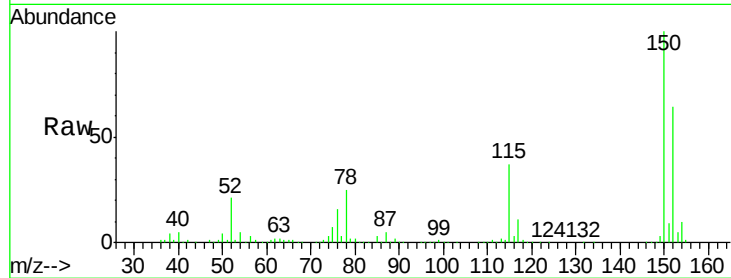
Tot Ion:152 Resp: 150246

Ion Ratio Lower Upper

152 100

115 58.5 40.1 120.3

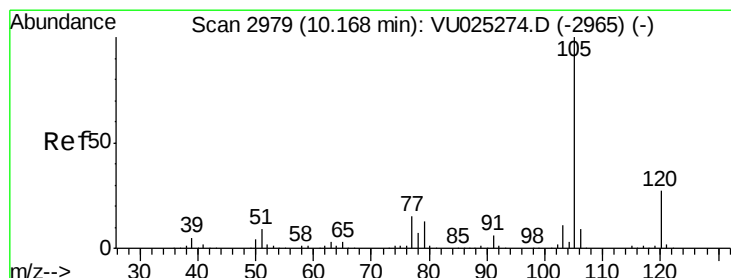
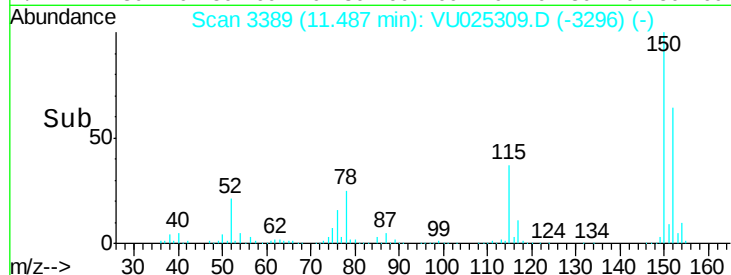
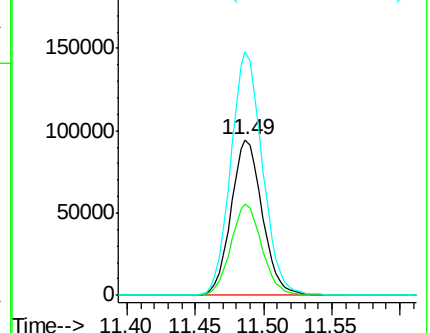
150 159.0 0.0 351.4



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: 0.92 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025309.D

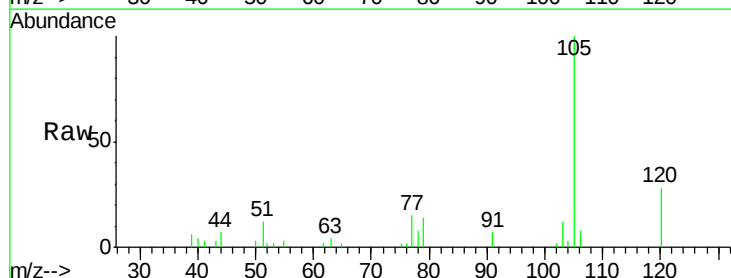
Acq: 11 Jul 2018 13:03

Tgt Ion:105 Resp: 10511

Ion Ratio Lower Upper

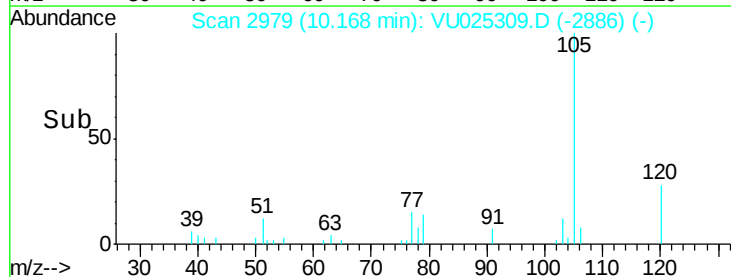
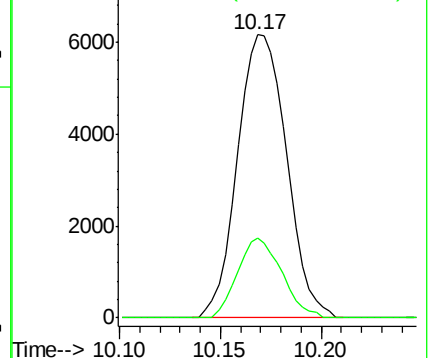
105 100

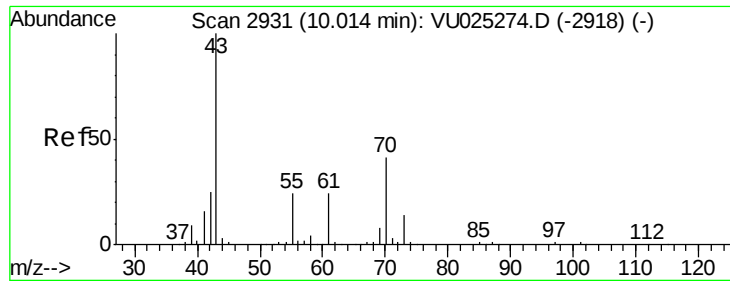
120 25.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.38 ug/l

RT: 10.02 min Scan# 2934

Delta R.T. 0.01 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

SS038MW013-180705DL

Tot Ion: 43 Resp: 529

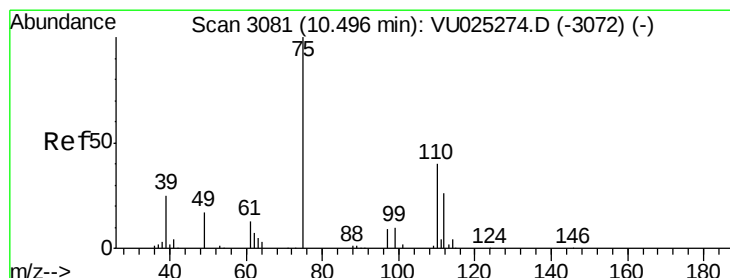
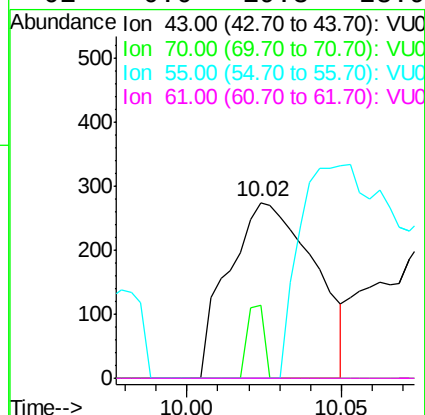
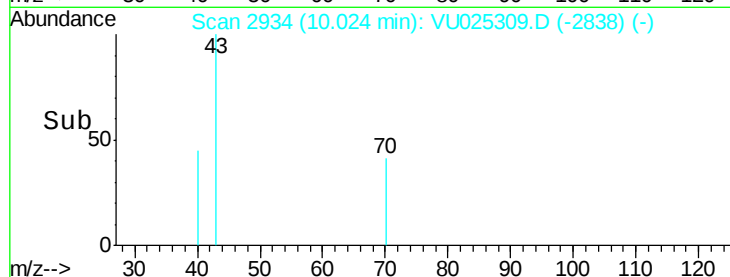
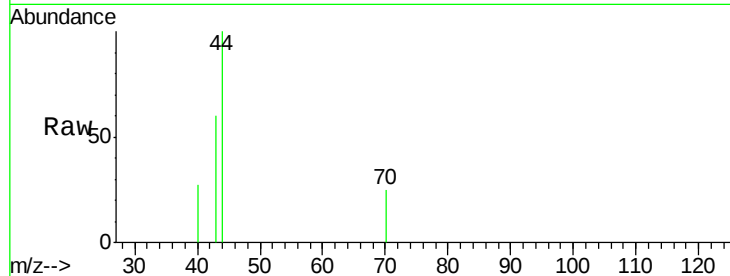
Ion Ratio Lower Upper

43 100

70 8.1 33.4 50.2#

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#



#76

1,2,3-Trichloropropane

Concen: 27.95 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025309.D

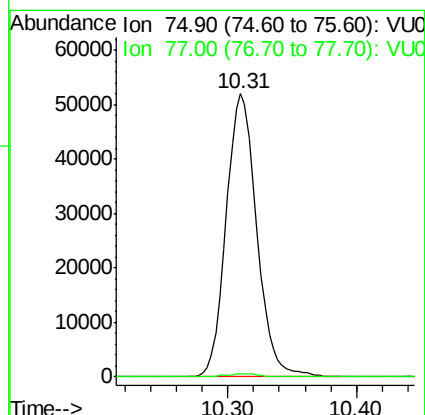
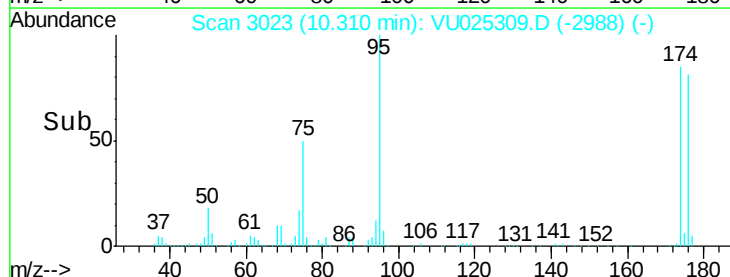
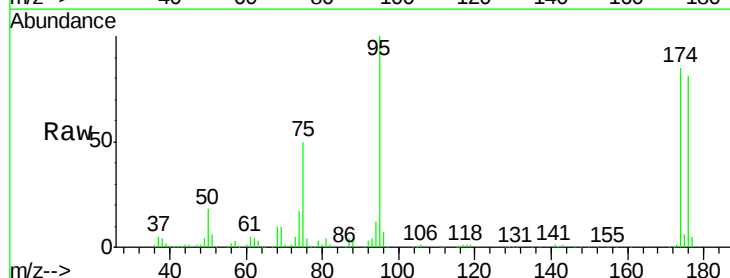
Acq: 11 Jul 2018 13:03

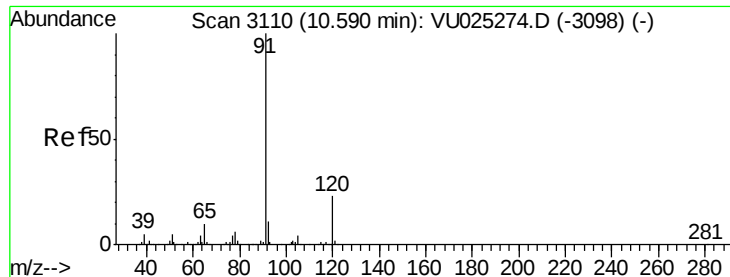
Tgt Ion: 75 Resp: 85458

Ion Ratio Lower Upper

75 100

77 1.1 20.4 61.3#





#78

n-propylbenzene

Concen: 0.26 ug/l

RT: 10.60 min Scan# 3112

Delta R.T. 0.01 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

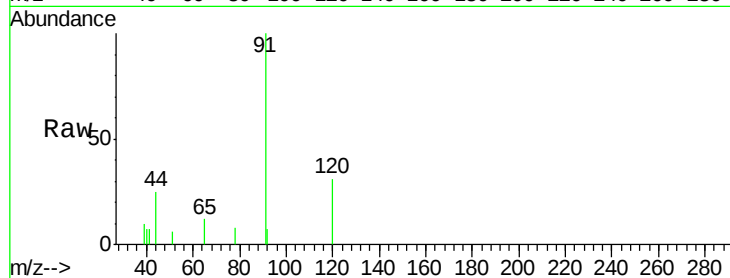
SS038MW013-180705DL

Tot Ion: 91 Resp: 3330

Ion Ratio Lower Upper

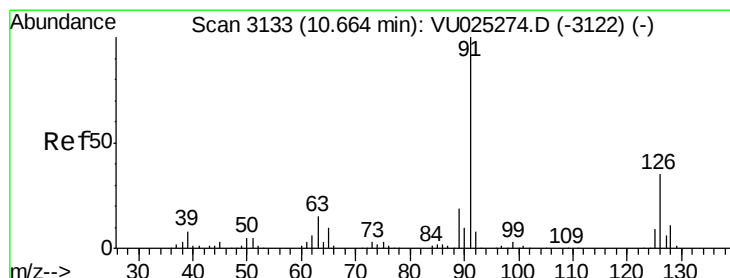
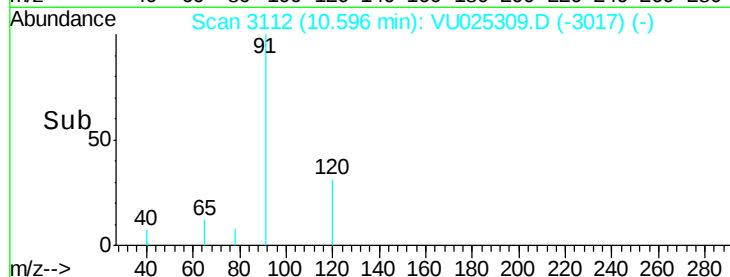
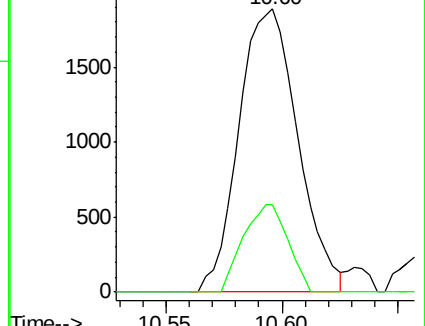
91 100

120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.23 ug/l

RT: 10.67 min Scan# 3134

Delta R.T. 0.00 min

Lab File: VU025309.D

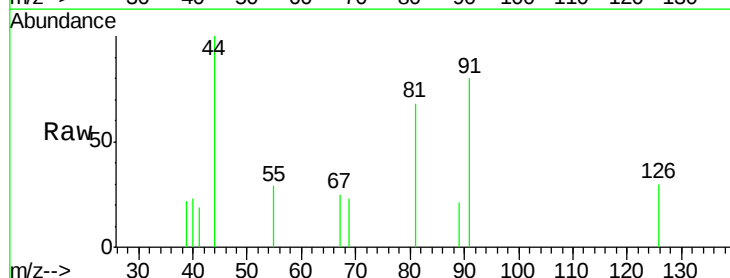
Acq: 11 Jul 2018 13:03

Tgt Ion: 91 Resp: 640

Ion Ratio Lower Upper

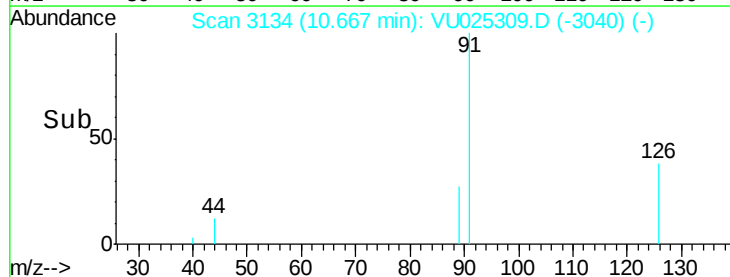
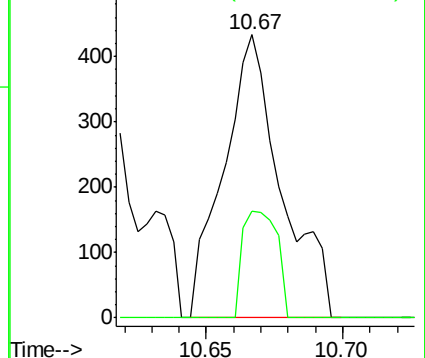
91 100

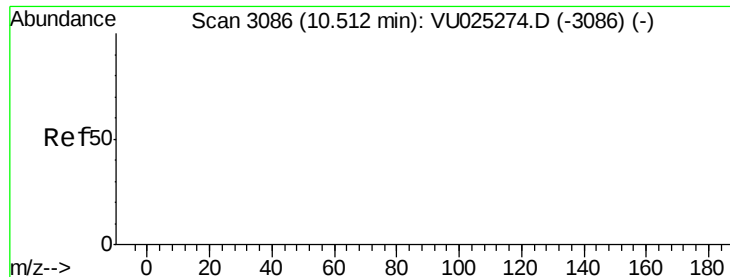
126 22.2 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 71.39 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

SS038MW013-180705DL

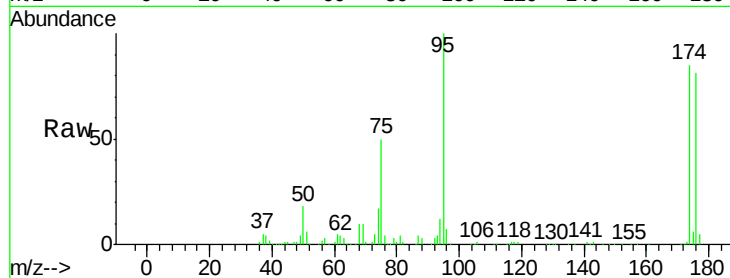
Tot Ion: 75 Resp: 85458

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

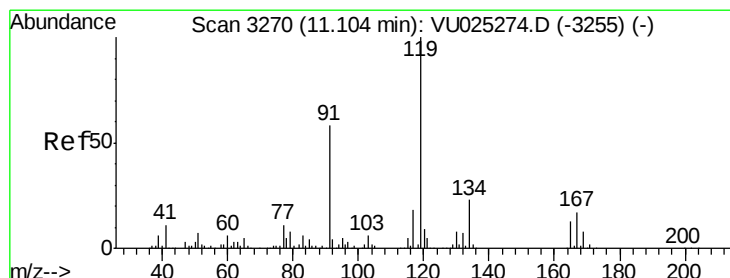
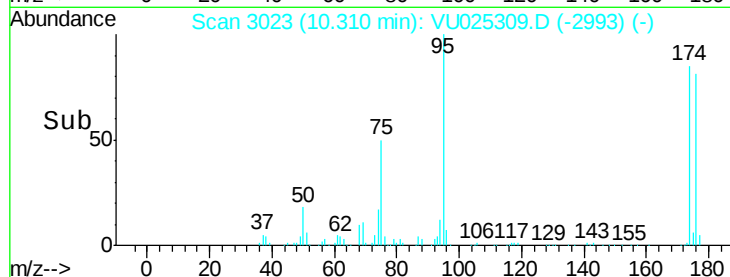
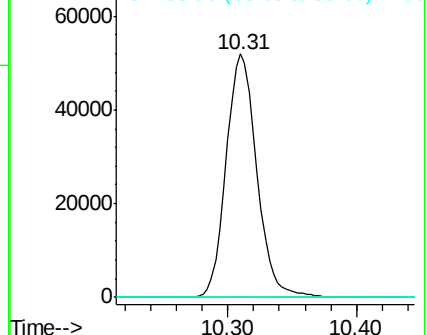
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025274.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU025274.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU025274.D (-3086) (-)



#83

tert-Butylbenzene

Concen: 0.77 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

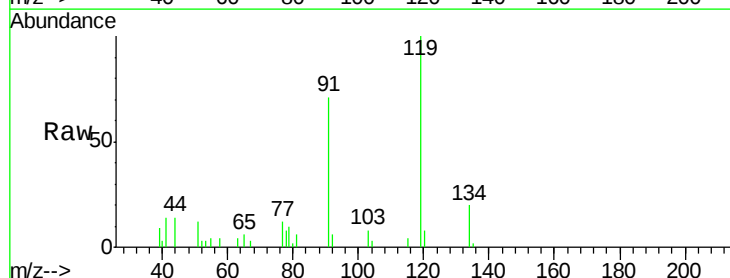
Tgt Ion: 119 Resp: 7489

Ion Ratio Lower Upper

119 100

91 67.2 29.7 89.1

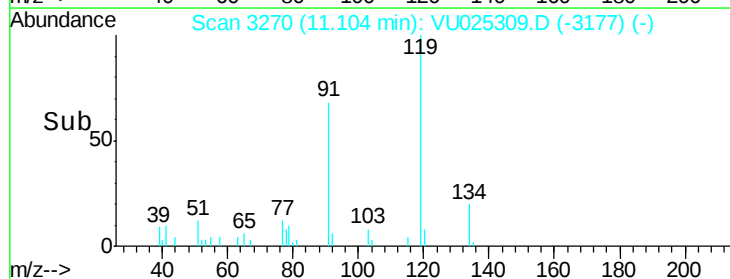
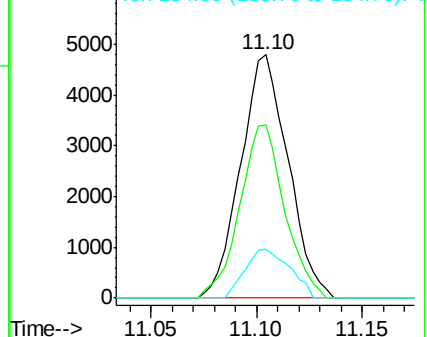
134 18.9 11.5 34.5

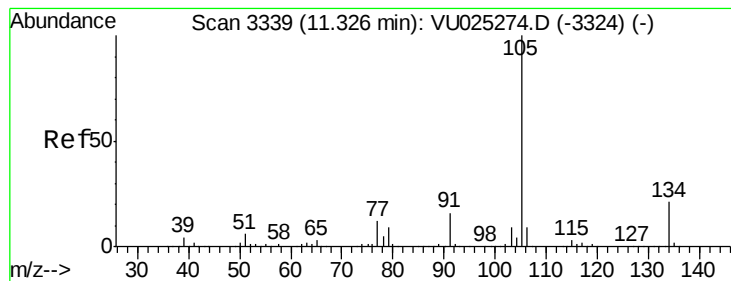


Abundance Ion 119.00 (118.70 to 119.70): VU025274.D (-3255) (-)

Ion 91.00 (90.70 to 91.70): VU025274.D (-3255) (-)

Ion 134.00 (133.70 to 134.70): VU025274.D (-3255) (-)





#85

sec-Butylbenzene

Concen: 1.36 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

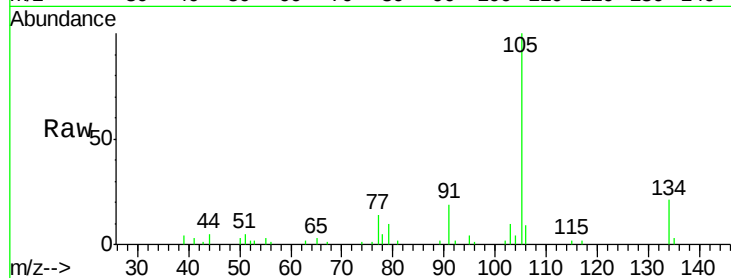
SS038MW013-180705DL

Tot Ion:105 Resp: 15624

Ion Ratio Lower Upper

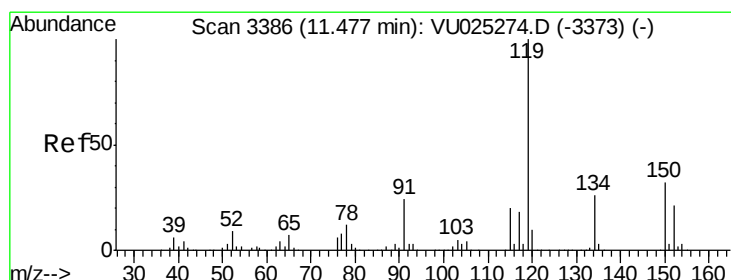
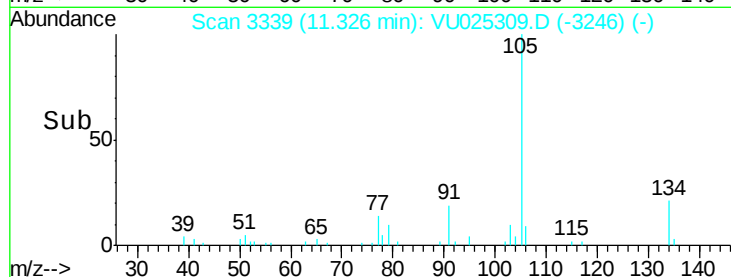
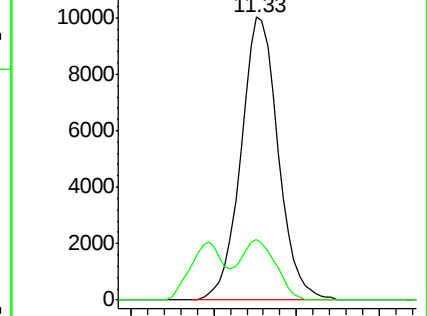
105 100

134 20.5 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: 2.98 ug/l

RT: 11.69 min Scan# 3453

Delta R.T. 0.22 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

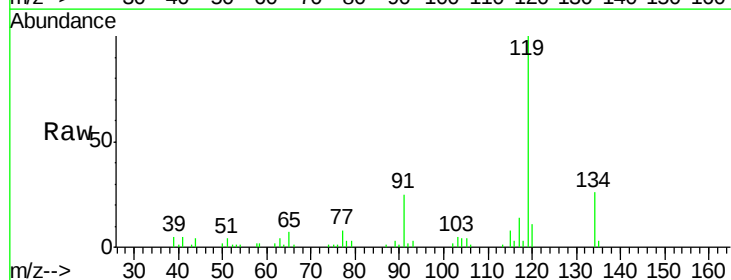
Tgt Ion:119 Resp: 30318

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

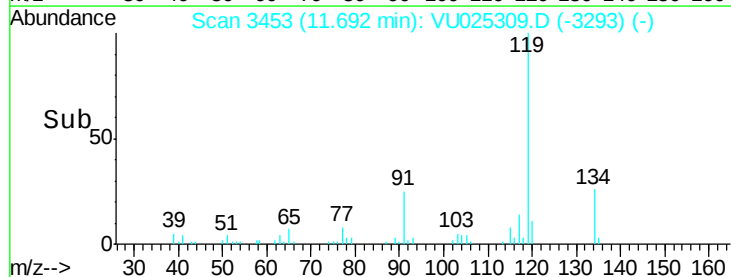
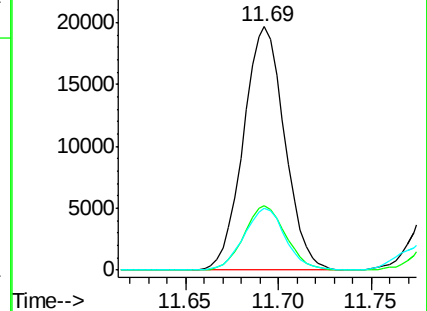
91 25.5 12.0 36.1

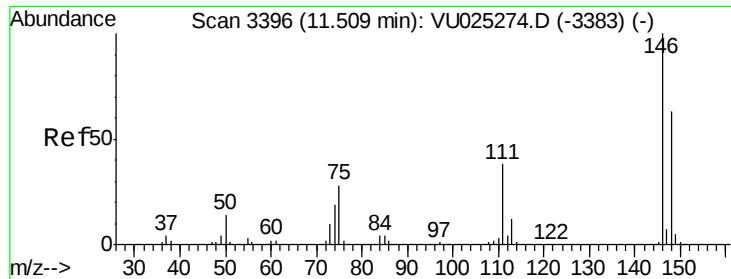


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

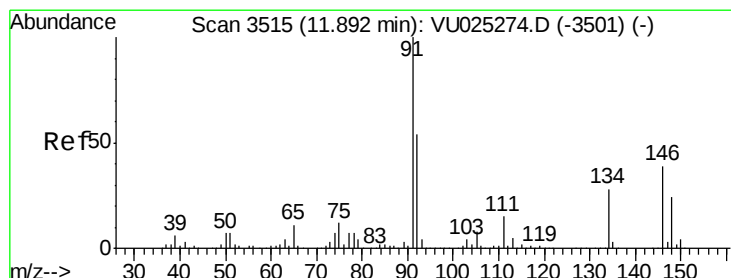
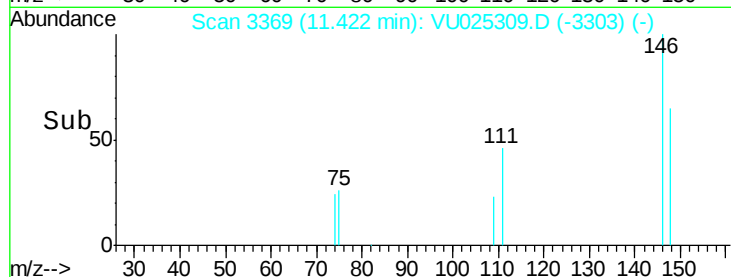
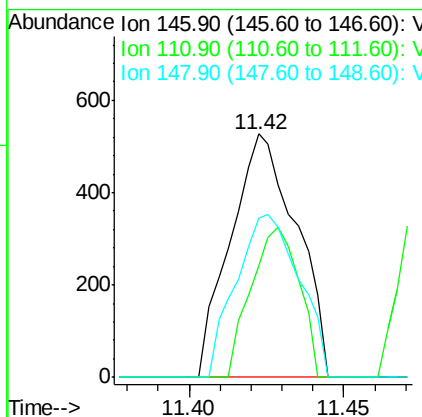
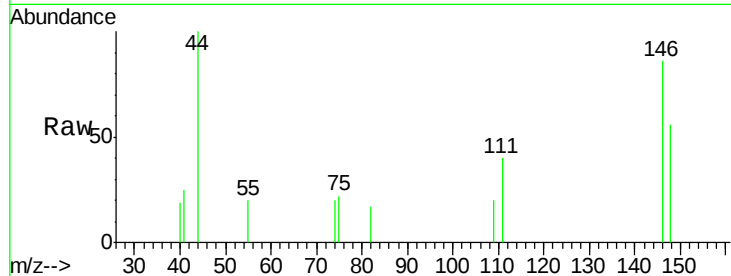




#88
 1,4-Dichlorobenzene
 Concen: 1.63 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. -0.09 min
 Lab File: VU025309.D
 Acq: 11 Jul 2018 13:03

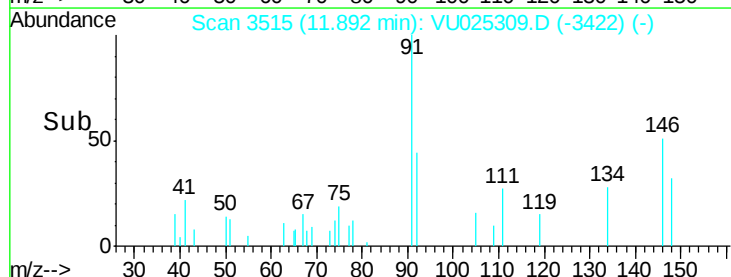
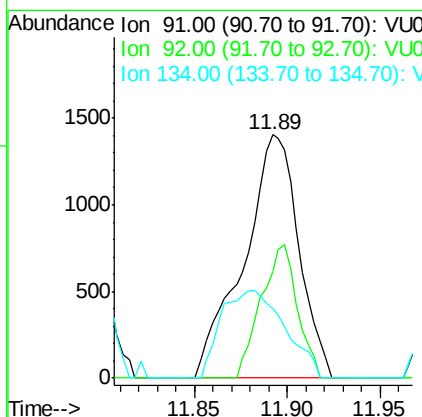
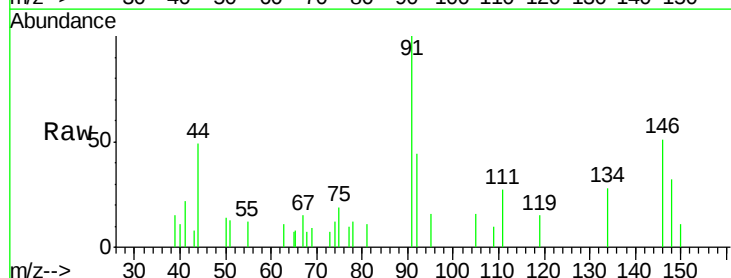
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW013-180705DL

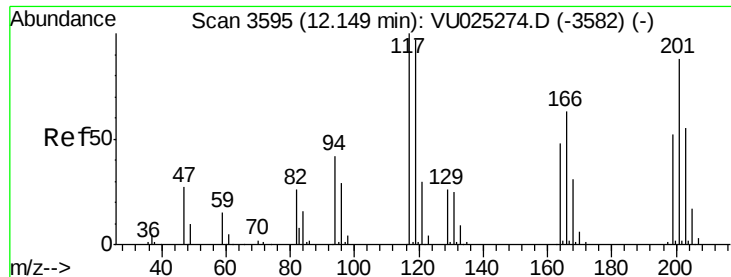
Tot Ion:146 Resp: 779
 Ion Ratio Lower Upper
 146 100
 111 44.7 19.4 58.1
 148 64.3 31.7 95.1



#89
 n-Butylbenzene
 Concen: 0.35 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025309.D
 Acq: 11 Jul 2018 13:03

Tgt Ion: 91 Resp: 2895
 Ion Ratio Lower Upper
 91 100
 92 36.1 26.5 79.5
 134 41.8 13.6 40.7#





#90

Hexachloroethane

Concen: 5.78 ug/l

RT: 12.29 min Scan# 3639

Delta R.T. 0.14 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

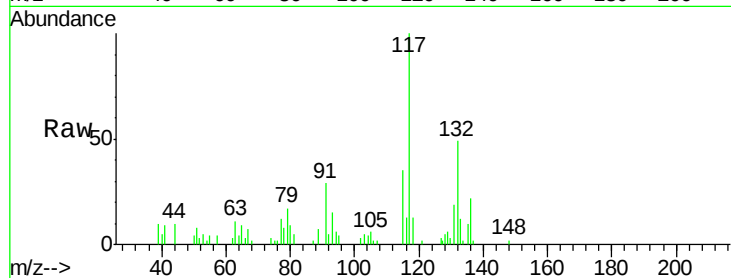
SS038MW013-180705DL

Tot Ion:117 Resp: 9957

Ion Ratio Lower Upper

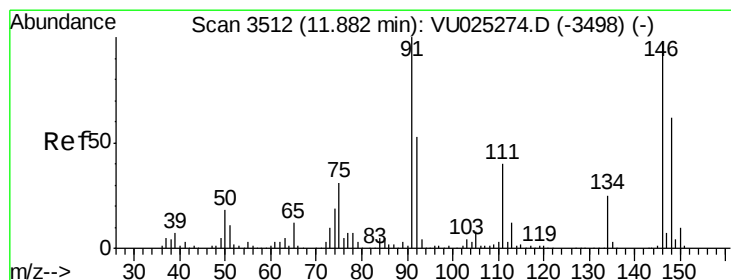
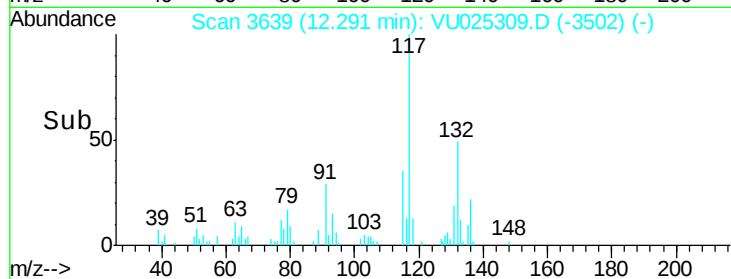
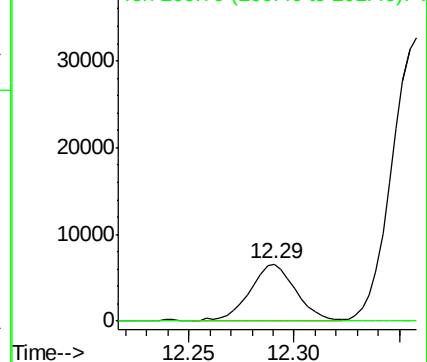
117 100

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: 0.24 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

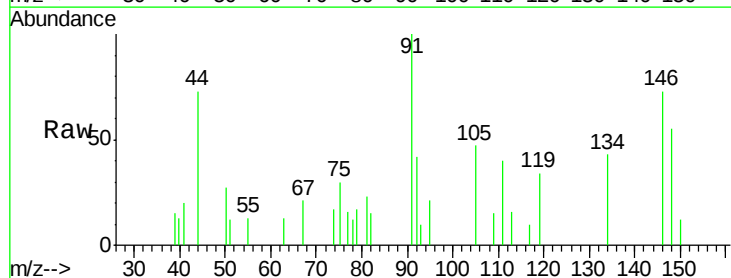
Tgt Ion:146 Resp: 1320

Ion Ratio Lower Upper

146 100

111 51.7 20.6 61.8

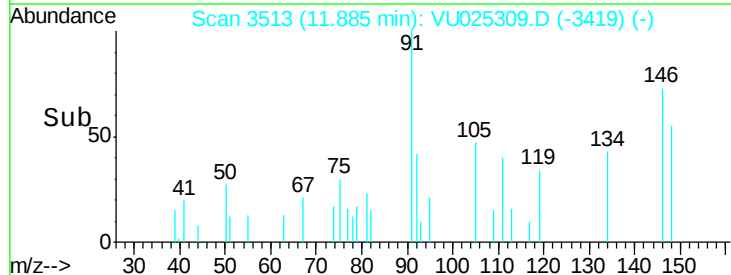
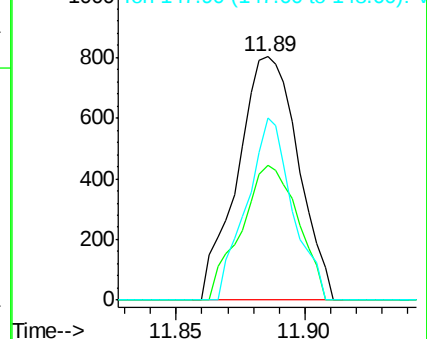
148 56.4 31.5 94.5

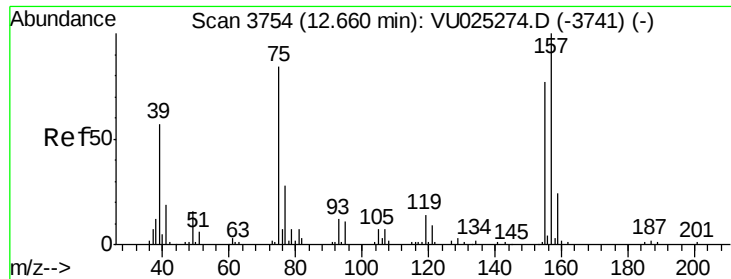


Abundance Ion 145.90 (145.60 to 146.60): V

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: 0.27 ug/l

RT: 12.54 min Scan# 3717

Delta R.T. -0.12 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

SS038MW013-180705DL

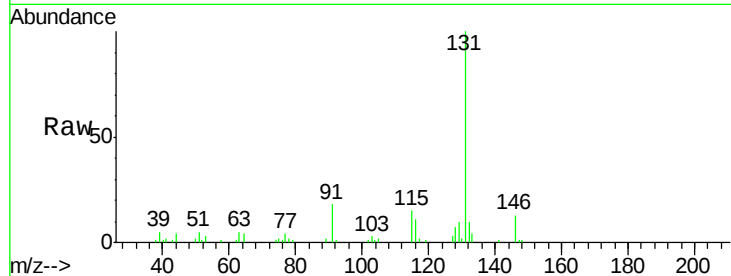
Tot Ion: 75 Resp: 245

Ion Ratio Lower Upper

75 100

155 0.0 44.5 133.3#

157 0.0 57.0 170.8#

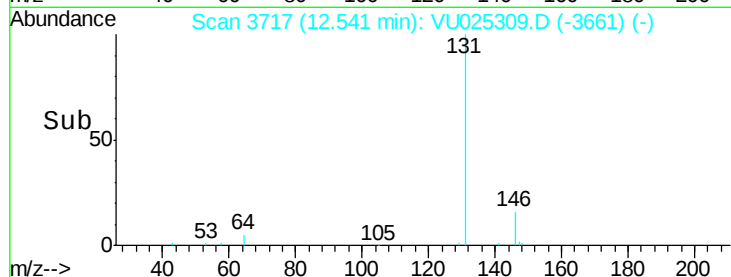


Abundance Ion 74.90 (74.60 to 75.60): VU

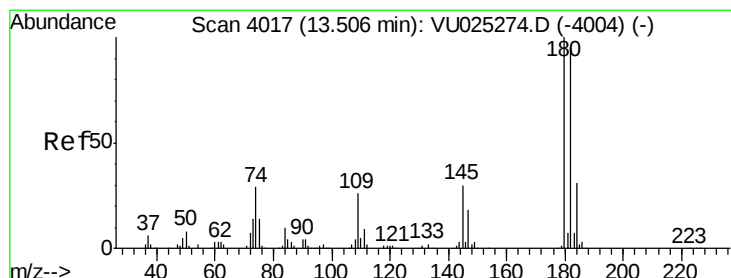
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

Time-->



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.67 ug/l

RT: 13.52 min Scan# 4020

Delta R.T. 0.01 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

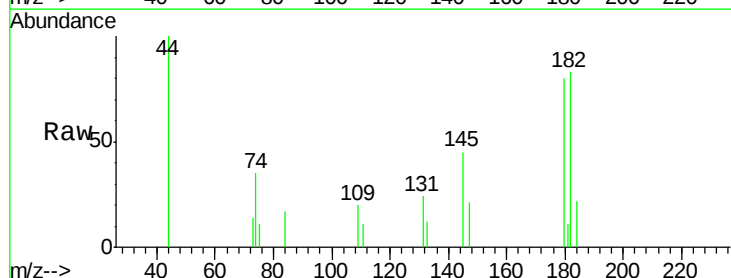
Tgt Ion: 180 Resp: 1487

Ion Ratio Lower Upper

180 100

182 90.1 47.3 141.9

145 60.8 14.9 44.7#

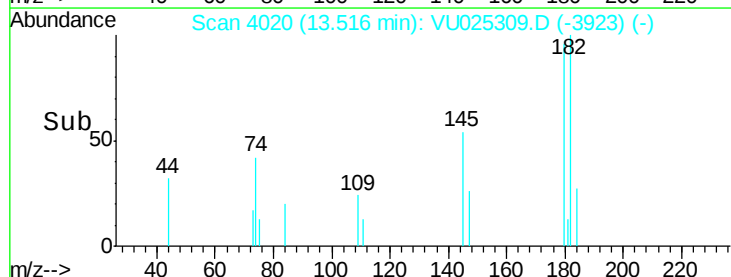


Abundance Ion 179.80 (179.50 to 180.50): V

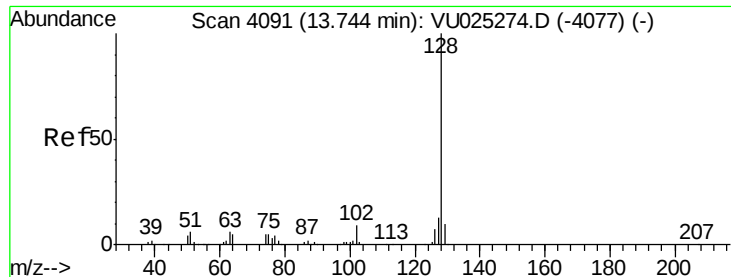
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

Time-->



Time-->



#95

Naphthalene

Concen: 3.31 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

SS038MW013-180705DL

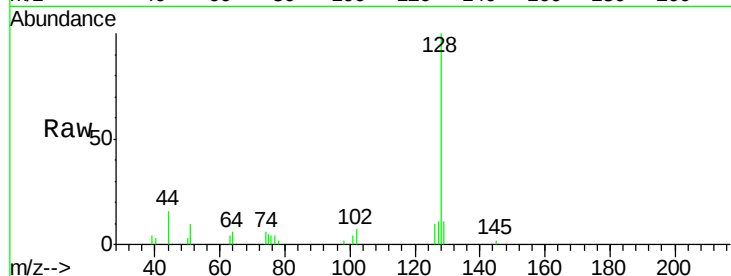
Tot Ion:128 Resp: 10344

Ion Ratio Lower Upper

128 100

127 11.7 10.5 15.7

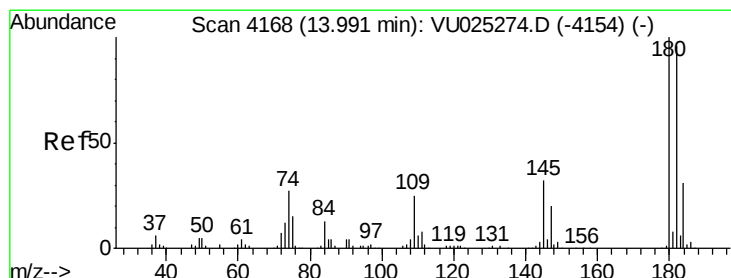
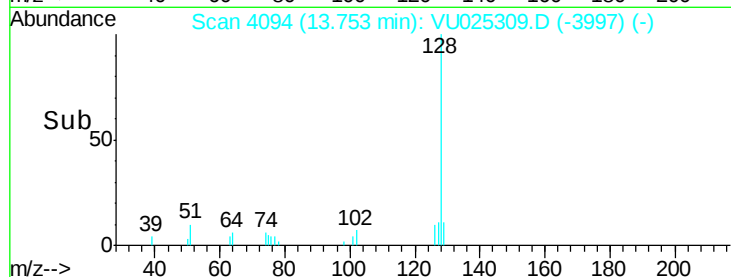
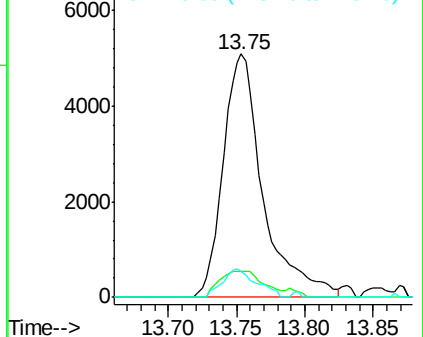
129 10.0 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.02 ug/l

RT: 14.00 min Scan# 4170

Delta R.T. 0.01 min

Lab File: VU025309.D

Acq: 11 Jul 2018 13:03

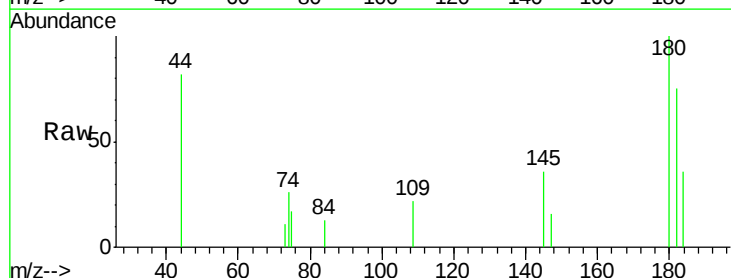
Tgt Ion:180 Resp: 1919

Ion Ratio Lower Upper

180 100

182 97.1 47.8 143.3

145 41.1 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

