

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070318\
 Data File : VU025184.D
 Acq On : 03 Jul 2018 12:14
 Operator : MD/SY
 Sample : J3809-09DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818DL

Quant Time: Jul 04 04:57:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	216505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	319549	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	297221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	170900	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	162799	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	
35) Dibromofluoromethane	4.89	113	125451	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
50) Toluene-d8	7.57	98	462282	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
62) 4-Bromofluorobenzene	10.31	95	175304	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds					Qvalue	
5) Bromomethane	1.63	94	502	0.364	ug/l	89
6) Chloroethane	1.69	64	20	Below Cal	#	43
8) Diethyl Ether	2.10	74	24	Below Cal	#	1
10) Methyl Iodide	2.42	142	529	5.495	ug/l #	69
11) Tert butyl alcohol	2.83	59	4029	4.687	ug/l #	72
13) Acrolein	2.19	56	262	0.580	ug/l #	1
16) Acetone	2.33	43	3537	1.862	ug/l #	89
18) Methyl Acetate	2.62	43	828	0.203	ug/l #	53
19) Methyl tert-butyl Ether	3.00	73	3409	0.368	ug/l #	1
20) Methylene Chloride	2.70	84	1092	0.366	ug/l #	69
25) 2-Butanone	4.29	43	1606	0.630	ug/l	99
29) Tetrahydrofuran	4.65	42	717	0.454	ug/l #	47
31) Cyclohexane	4.99	56	8272	Below Cal	#	38
36) 1,1-Dichloropropene	4.99	75	15826	4.215	ug/l #	52
38) Carbon Tetrachloride	4.99	117	20856	5.051	ug/l #	16
39) Methylcyclohexane	6.42	83	7177	1.532	ug/l	93
40) Benzene	5.39	78	40580	3.793	ug/l	98
43) Isopropyl Acetate	5.54	43	3200	0.452	ug/l #	62
48) Methyl methacrylate	6.64	41	1704	0.495	ug/l #	72
52) Toluene	7.64	92	13299	1.932	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	3642	1.302	ug/l #	20
67) Ethyl Benzene	9.25	91	498473	37.448	ug/l	97
68) m/p-Xylenes	9.38	106	190417	37.253	ug/l	98
69) o-Xylene	9.78	106	5127	1.014	ug/l	88
73) Isopropylbenzene	10.17	105	32228	2.456	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	92181	24.499	ug/l #	35
78) n-propylbenzene	10.59	91	91146	5.897	ug/l	97
79) 2-Chlorotoluene	10.71	91	20316	2.229	ug/l #	41
80) 1,3,5-Trimethylbenzene	10.71	105	177282	15.589	ug/l	73
81) trans-1,4-Dichloro-2-buten	10.31	75	92181	56.702	ug/l #	100
82) 4-Chlorotoluene	10.71	91	20316	1.915	ug/l #	45
83) tert-Butylbenzene	11.15	119	107401	9.818	ug/l #	61
84) 1,2,4-Trimethylbenzene	11.15	105	878290	75.782	ug/l	100
85) sec-Butylbenzene	11.15	105	878290	64.140	ug/l #	57

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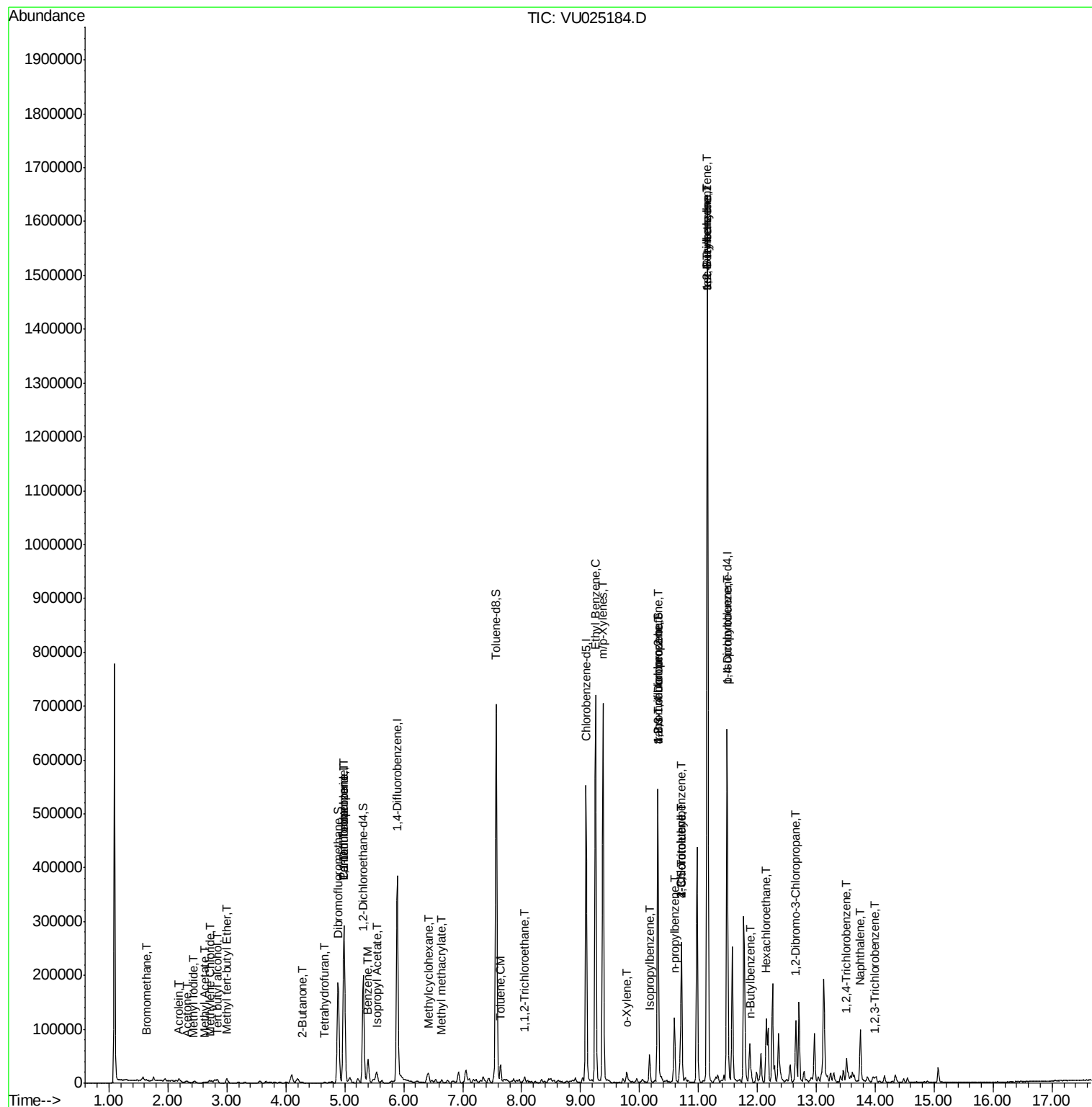
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	11.48	119	6726	0.548	ug/l	91
89) n-Butylbenzene	11.89	91	15108	1.388	ug/l #	73
90) Hexachloroethane	12.15	117	6610	2.763	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	12.65	75	413	0.340	ug/l #	3
93) 1,2,4-Trichlorobenzene	13.50	180	1996	0.526	ug/l #	71
95) Naphthalene	13.75	128	77472	6.761	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	2322	0.614	ug/l #	83

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

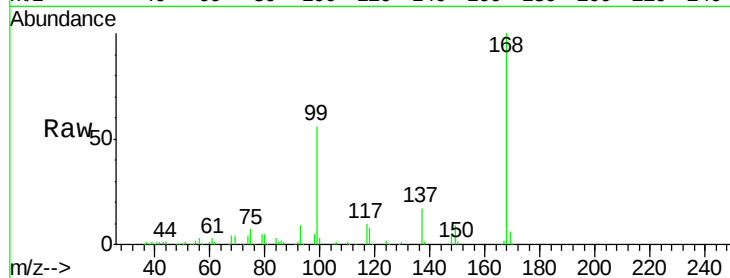
MW-1-062818DL

Tot Ion:168 Resp: 216505

Ion Ratio Lower Upper

168 100

99 56.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025184.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025184.D (-1275) (-)

4.99

100000

80000

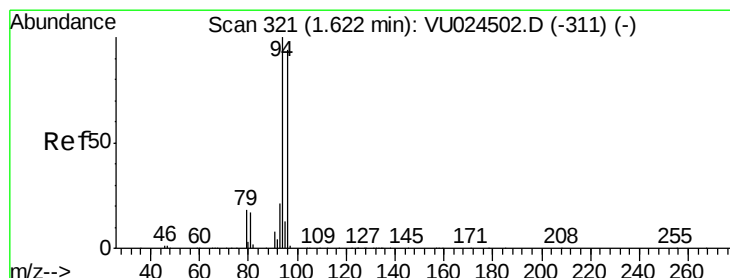
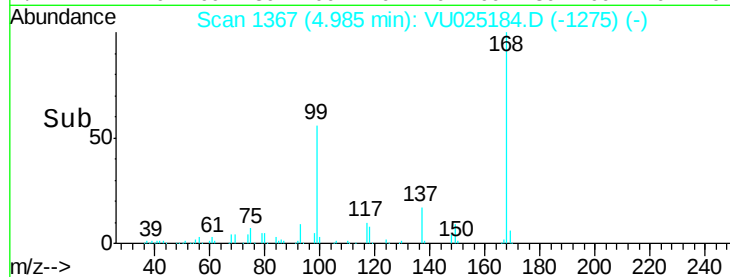
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.364 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025184.D

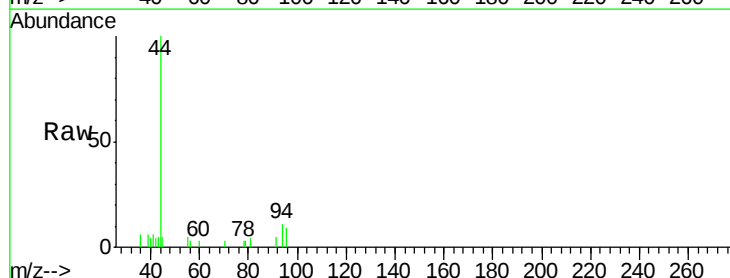
Acq: 03 Jul 2018 12:14

Tgt Ion: 94 Resp: 502

Ion Ratio Lower Upper

94 100

96 82.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU025184.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VU025184.D (-228) (-)

1.63

400

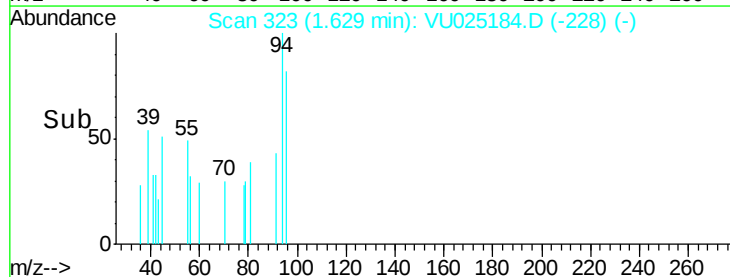
300

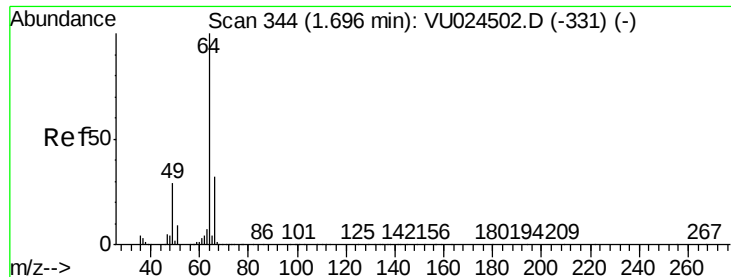
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

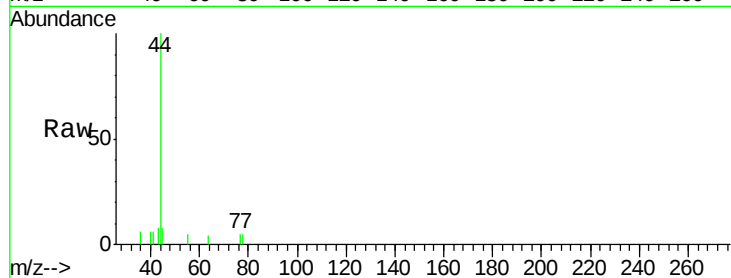
MW-1-062818DL

Tot Ion: 64 Resp: 20

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

100

80

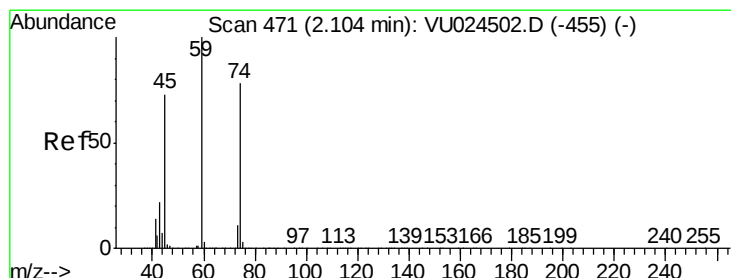
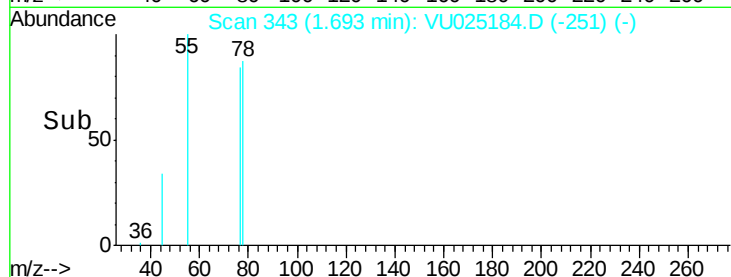
60

40

20

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 2.10 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU025184.D

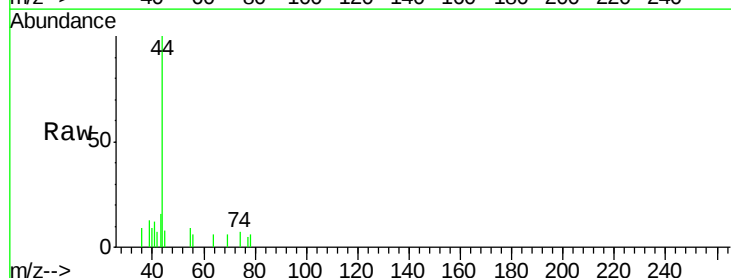
Acq: 03 Jul 2018 12:14

Tgt Ion: 74 Resp: 24

Ion Ratio Lower Upper

74 100

45 366.7 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

300

250

200

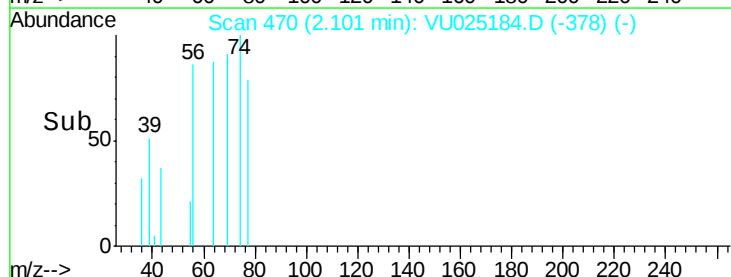
150

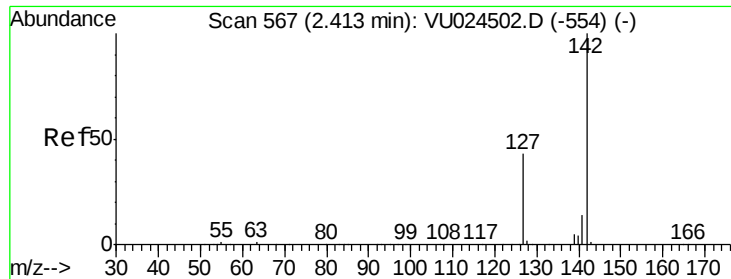
100

50

0

Time-->

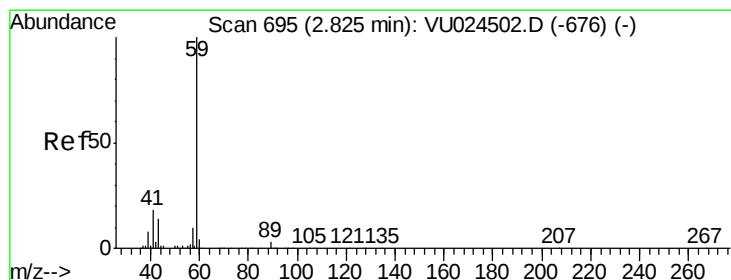
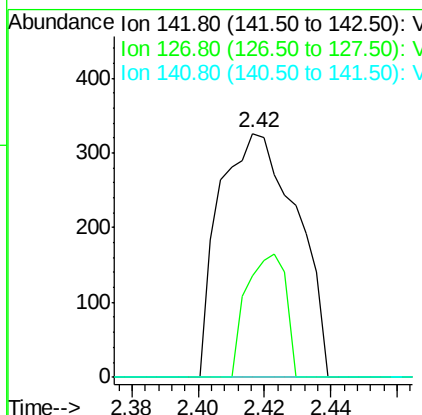
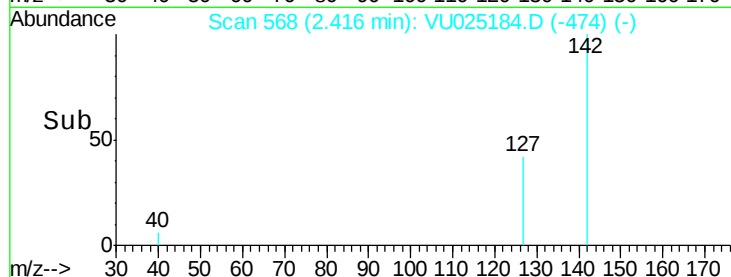
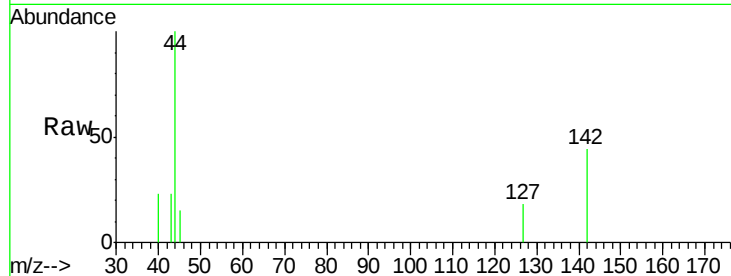




#10
Methvl Iodide
Concen: 5.495 ug/l
RT: 2.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

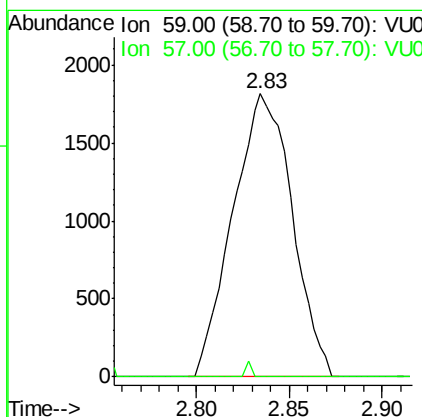
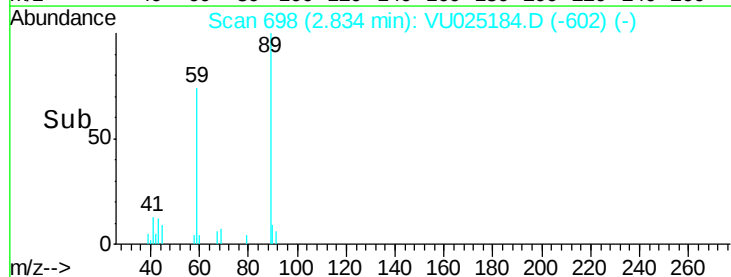
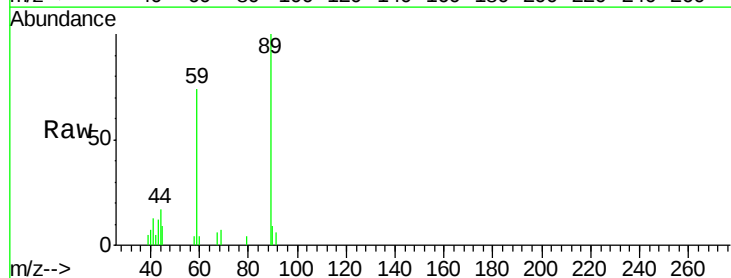
Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818DL

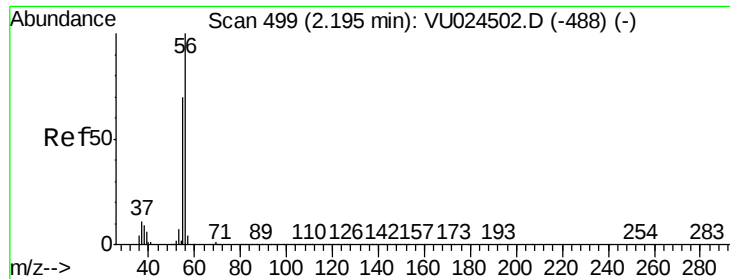
Tot Ion:142 Resp: 529
Ion Ratio Lower Upper
142 100
127 25.7 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 4.687 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Tgt Ion: 59 Resp: 4029
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.580 ug/l

RT: 2.19 min Scan# 497

Delta R.T. -0.01 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

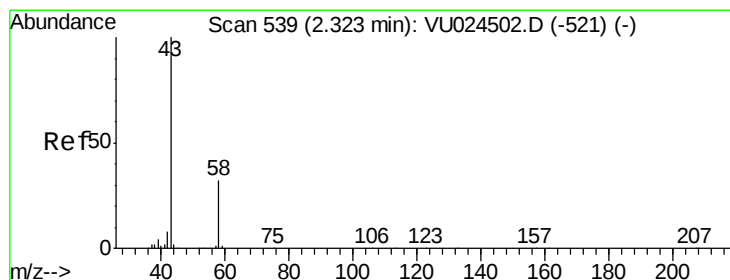
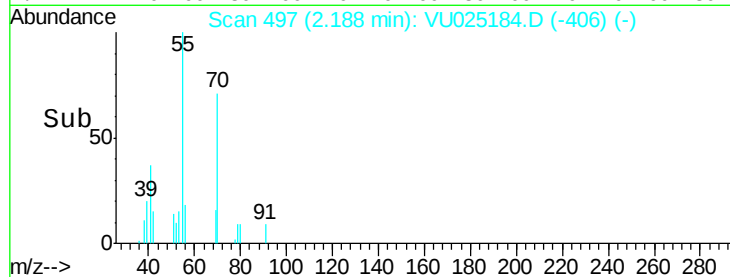
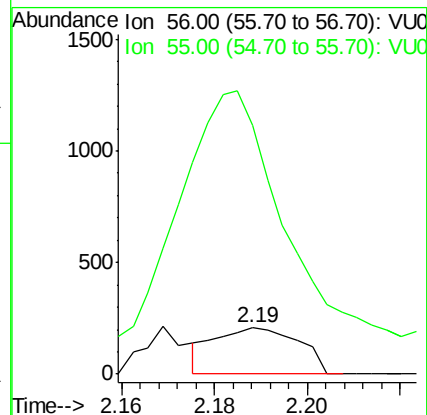
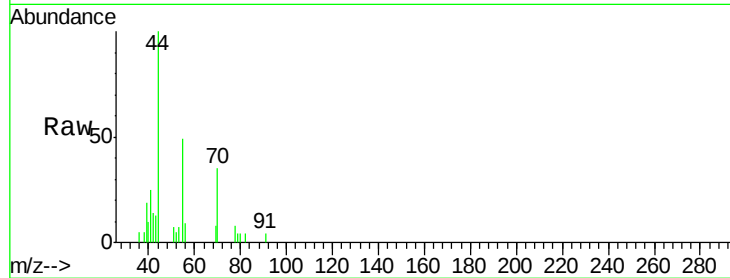
MW-1-062818DL

Tot Ion: 56 Resp: 262

Ion Ratio Lower Upper

56 100

55 621.4 58.4 87.6#



#16

Acetone

Concen: 1.862 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025184.D

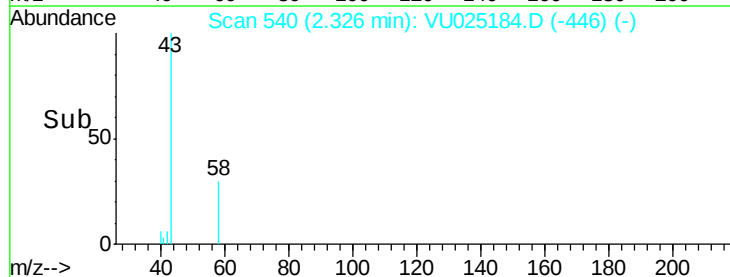
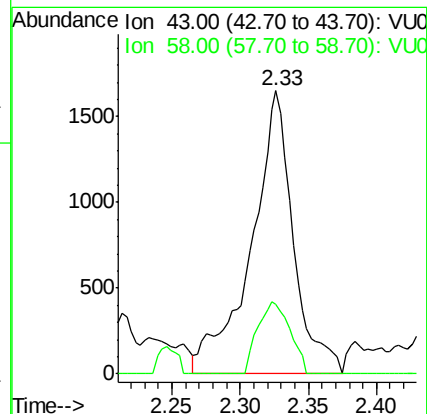
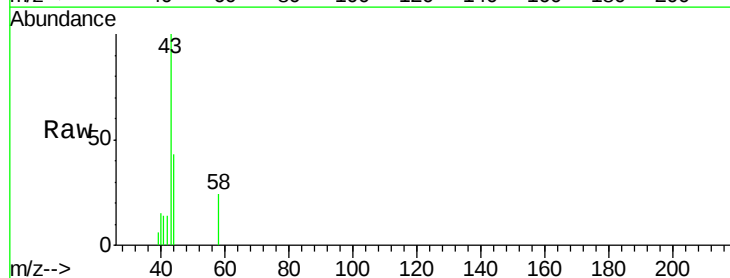
Acq: 03 Jul 2018 12:14

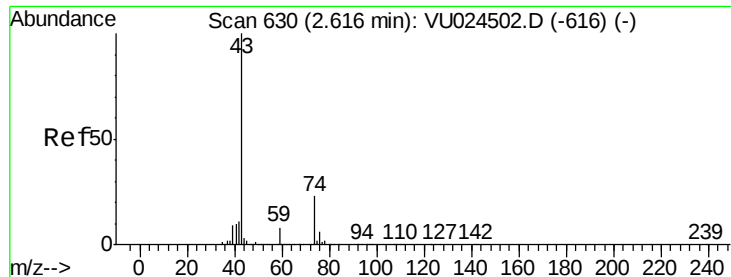
Tgt Ion: 43 Resp: 3537

Ion Ratio Lower Upper

43 100

58 24.3 24.4 36.6#





#18

Methyl Acetate

Concen: 0.203 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

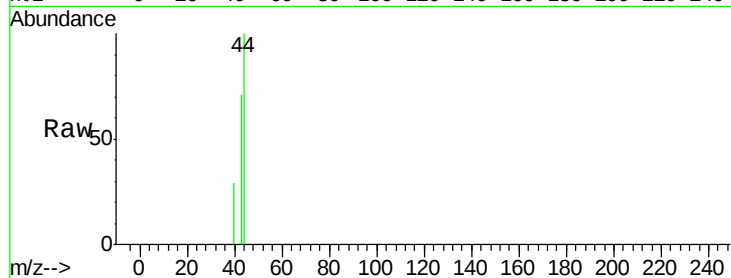
MW-1-062818DL

Tot Ion: 43 Resp: 828

Ion Ratio Lower Upper

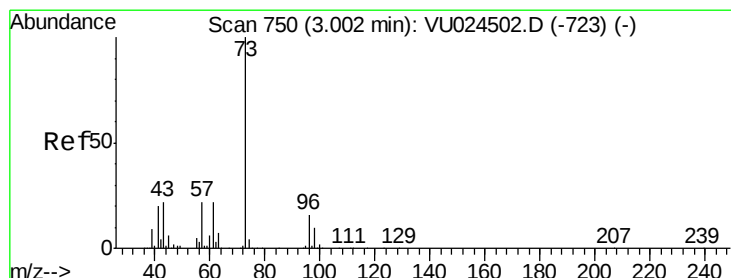
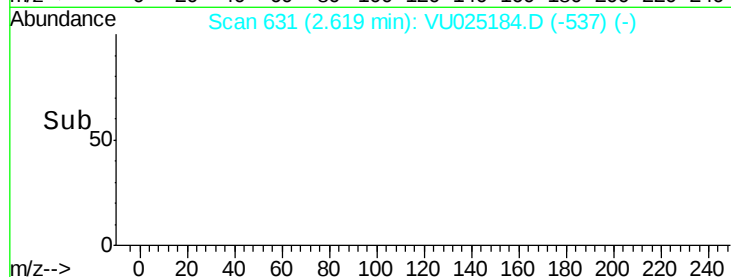
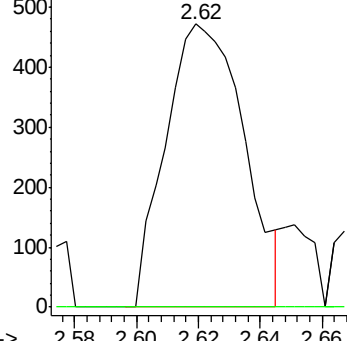
43 100

74 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#19

Methyl tert-butyl Ether

Concen: 0.368 ug/l

RT: 3.00 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU025184.D

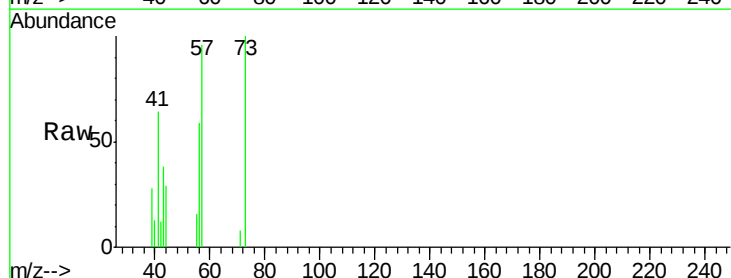
Acq: 03 Jul 2018 12:14

Tgt Ion: 73 Resp: 3409

Ion Ratio Lower Upper

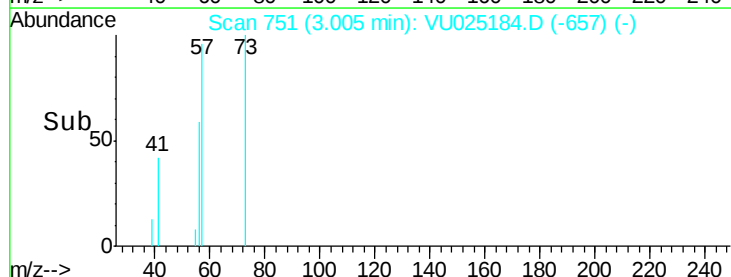
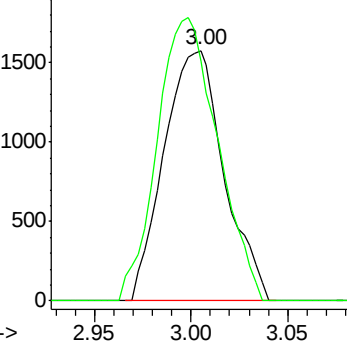
73 100

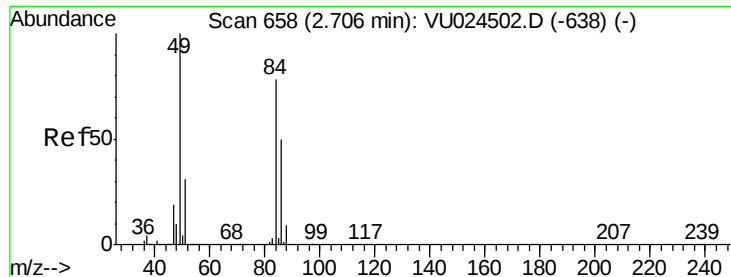
57 95.6 18.8 28.2#



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#20

Methylene Chloride

Concen: 0.366 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

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ClientSampleId :

MW-1-062818DL

Tot Ion: 84 Resp: 1092

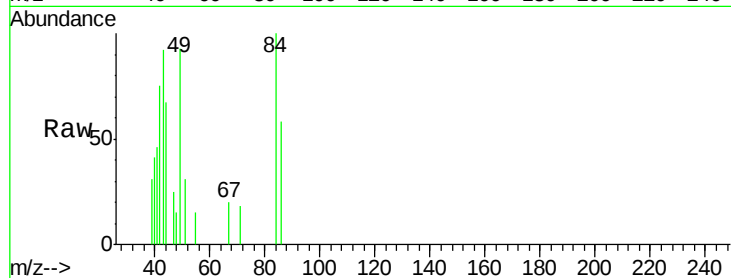
Ion Ratio Lower Upper

84 100

49 74.7 103.8 155.8#

51 31.5 32.0 48.0#

86 58.2 51.6 77.4

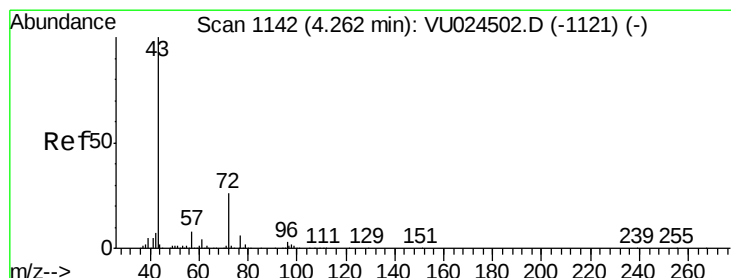
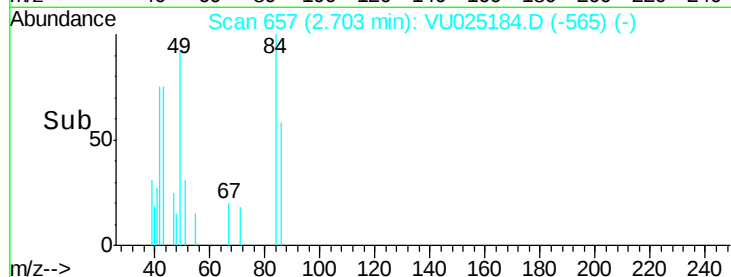
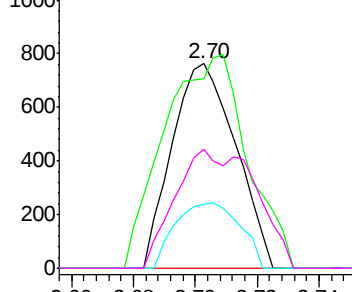


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#25

2-Butanone

Concen: 0.630 ug/l

RT: 4.29 min Scan# 1150

Delta R.T. 0.03 min

Lab File: VU025184.D

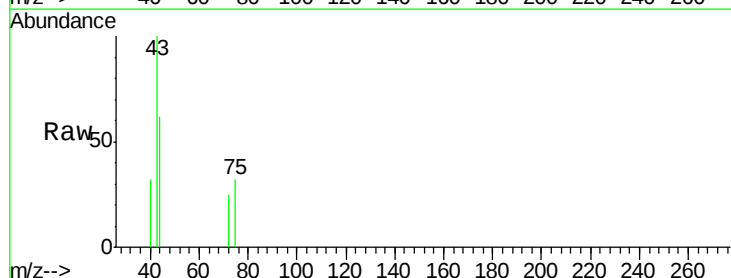
Acq: 03 Jul 2018 12:14

Tgt Ion: 43 Resp: 1606

Ion Ratio Lower Upper

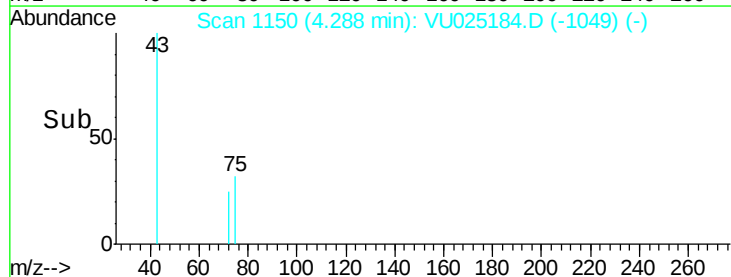
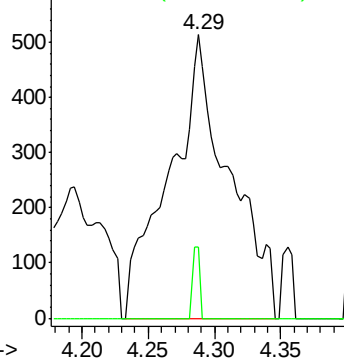
43 100

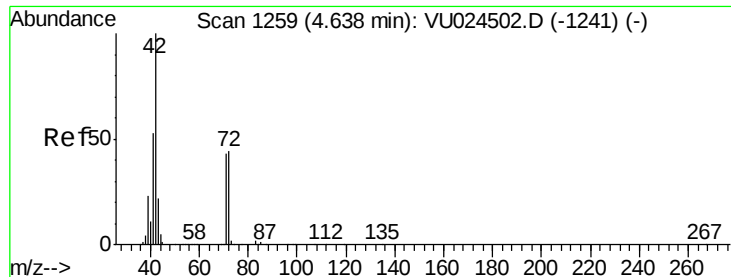
72 25.0 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#29

Tetrahydrofuran

Concen: 0.454 ug/l

RT: 4.65 min Scan# 1264

Delta R.T. 0.02 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

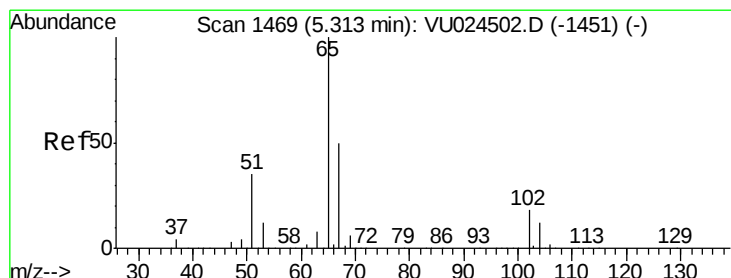
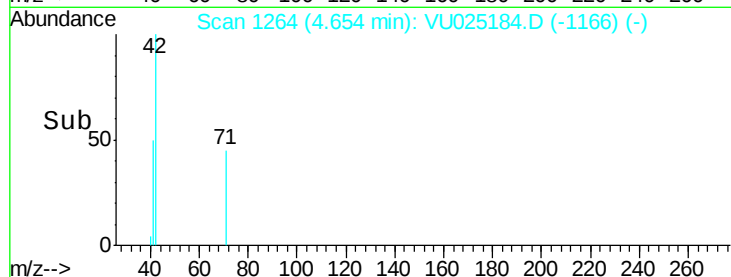
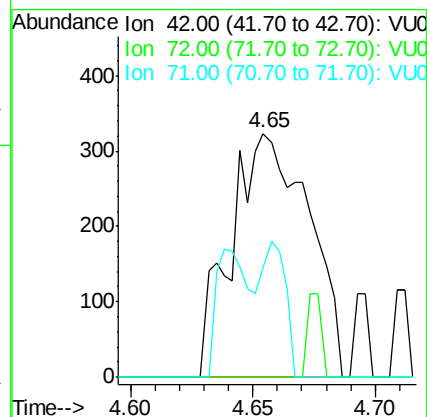
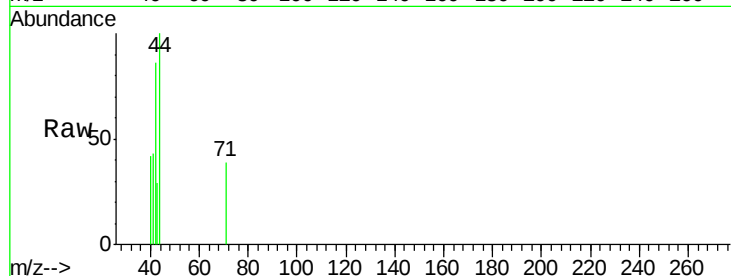
Tot Ion: 42 Resp: 717

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 16.5 32.2 48.4#



#33

1,2-Dichloroethane-d4

Concen: 46.060 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025184.D

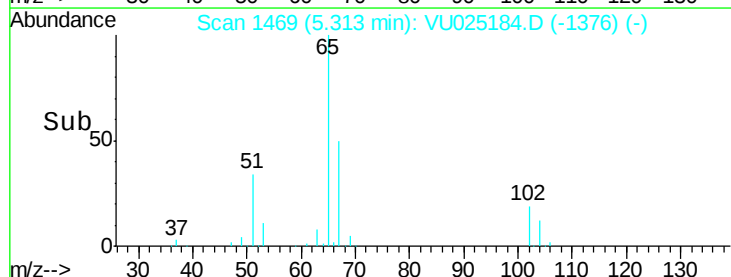
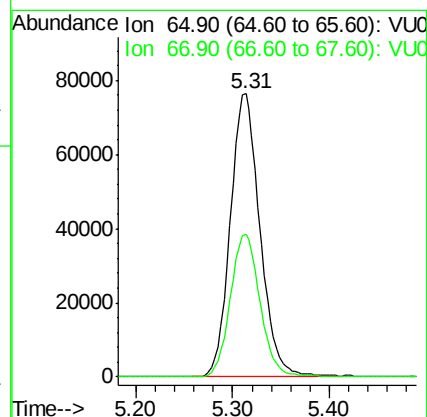
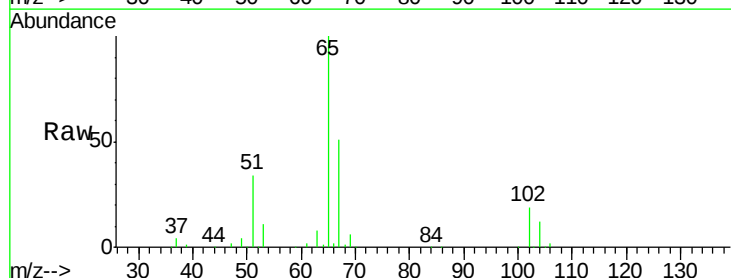
Acq: 03 Jul 2018 12:14

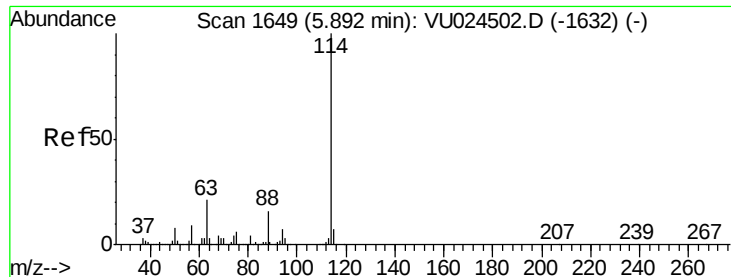
Tgt Ion: 65 Resp: 162799

Ion Ratio Lower Upper

65 100

67 50.4 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

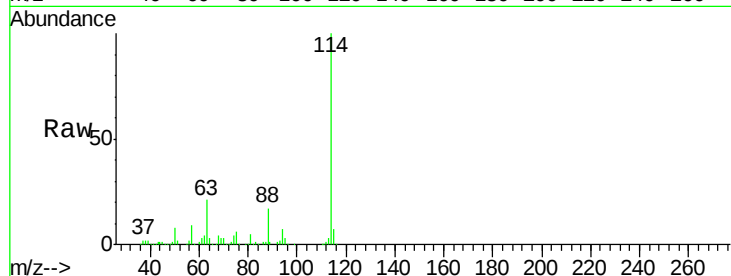
Tot Ion:114 Resp: 319549

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.4

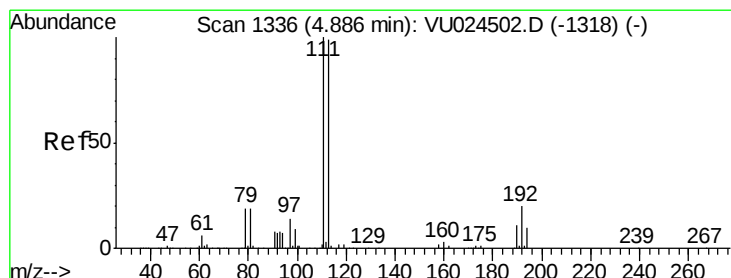
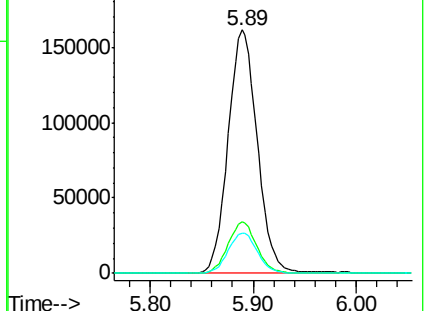
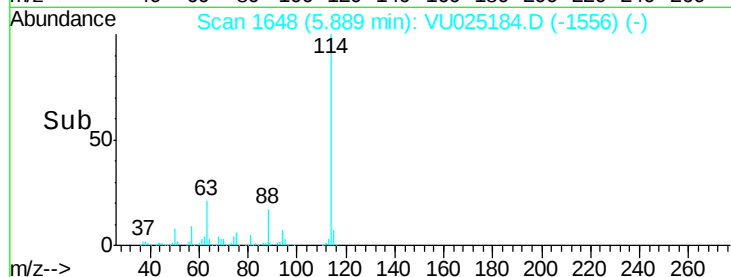
88 16.7 0.0 31.0



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: 47.304 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

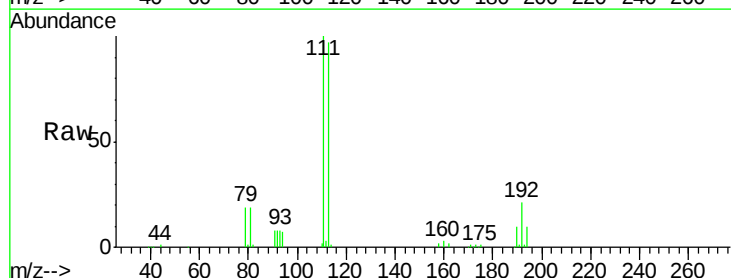
Tgt Ion:113 Resp: 125451

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

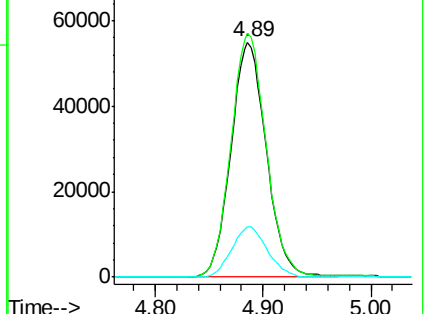
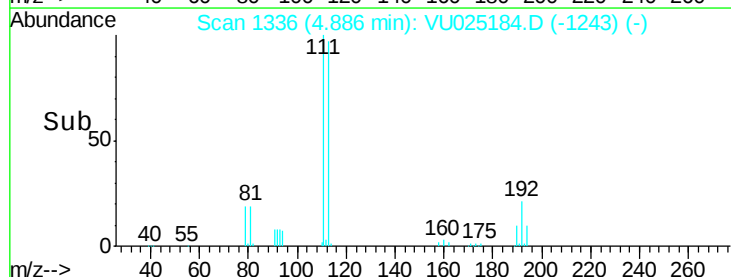
192 21.5 16.2 24.4

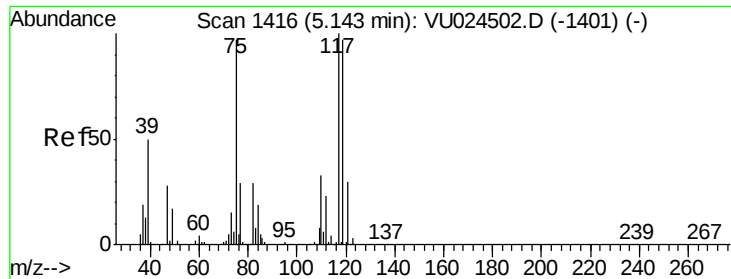


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

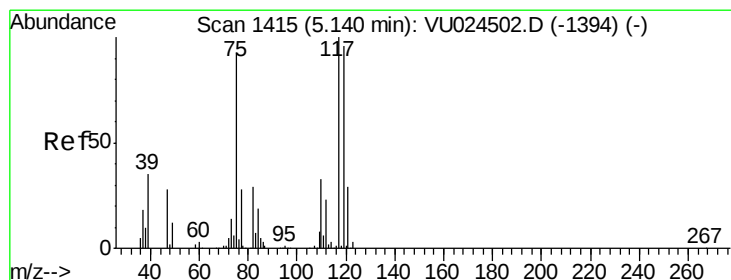
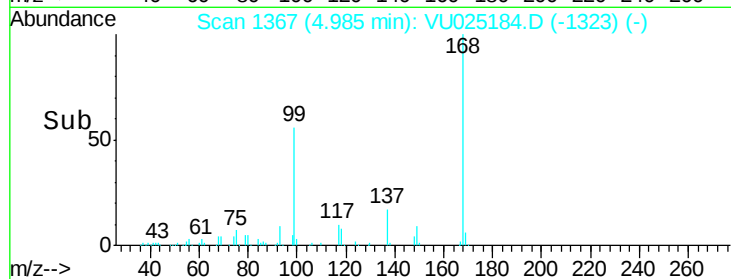
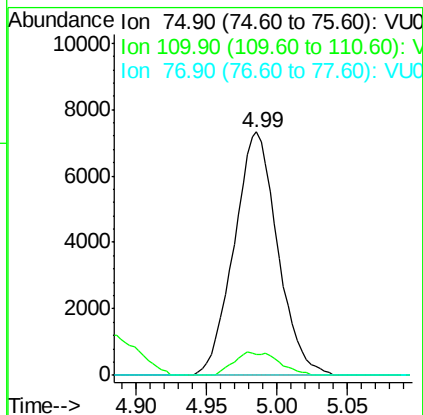
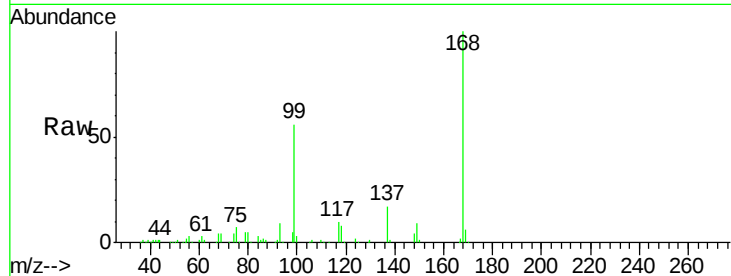




#36
 1,1-Dichloropropene
 Concen: 4.215 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025184.D
 Acq: 03 Jul 2018 12:14

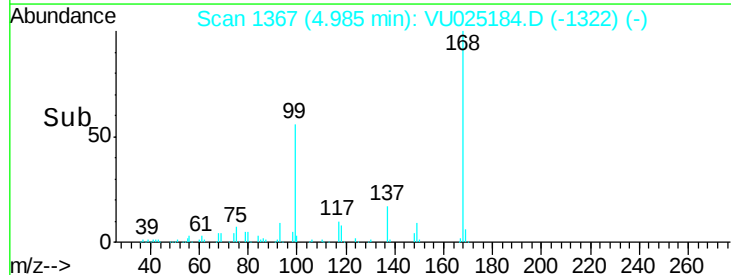
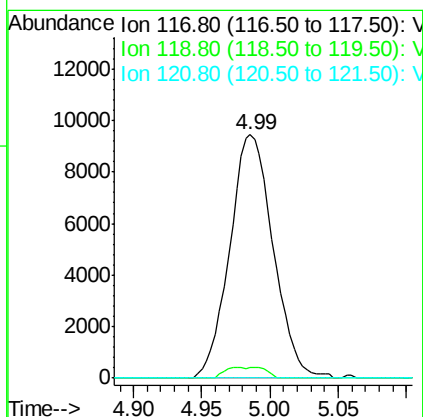
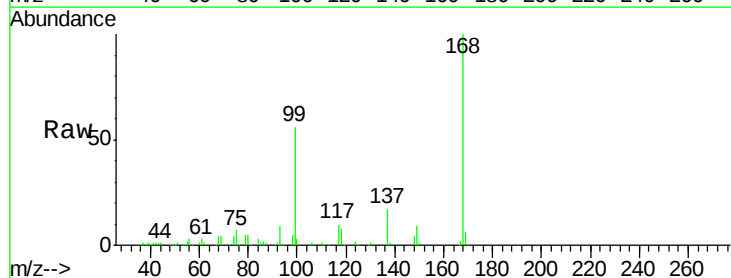
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818DL

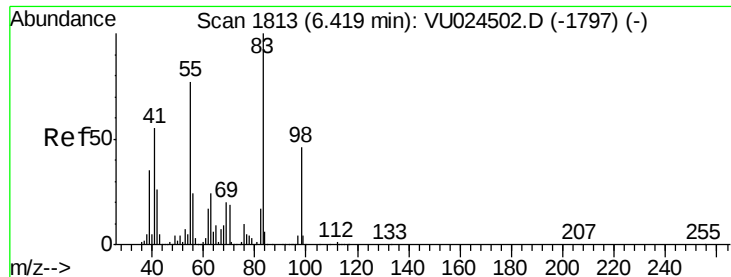
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.051 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025184.D
 Acq: 03 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.1	114.1#
121	0.0	23.7	35.5#

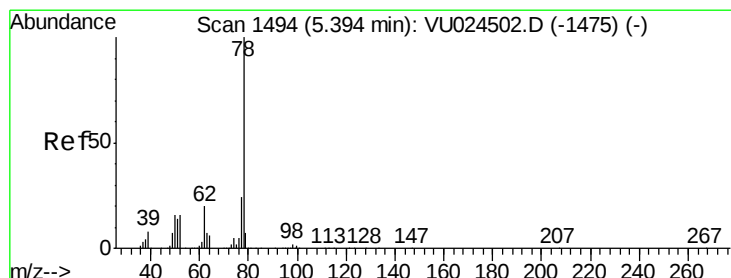
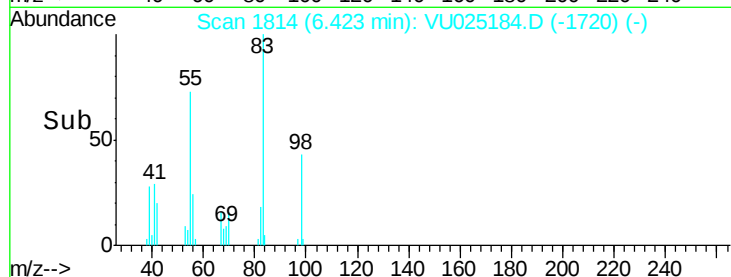
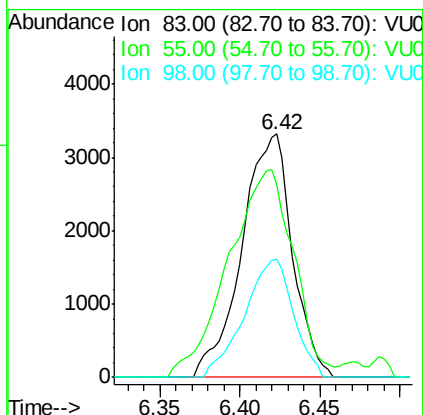
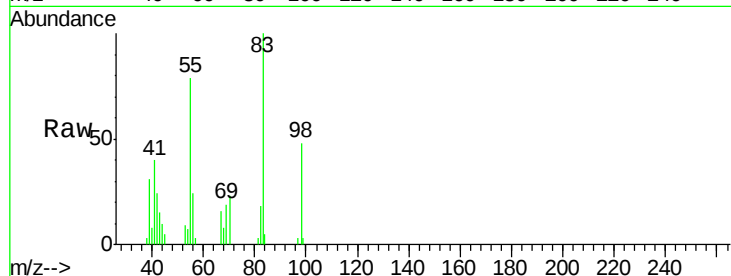




#39
Methvlcvclohexane
Concen: 1.532 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

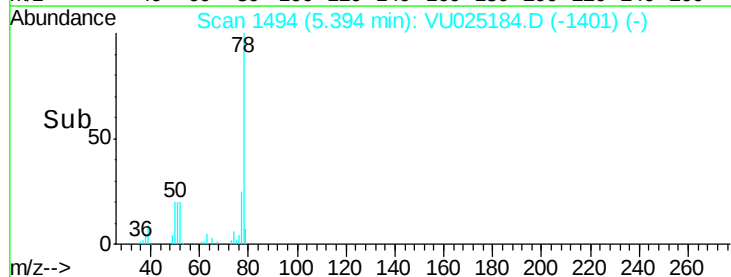
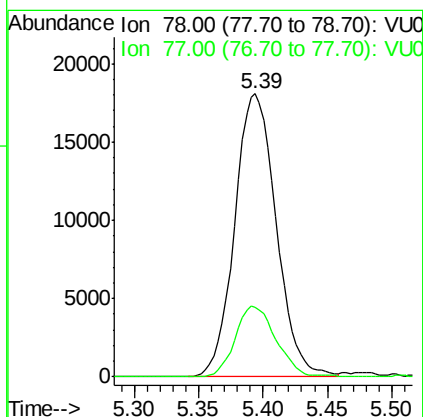
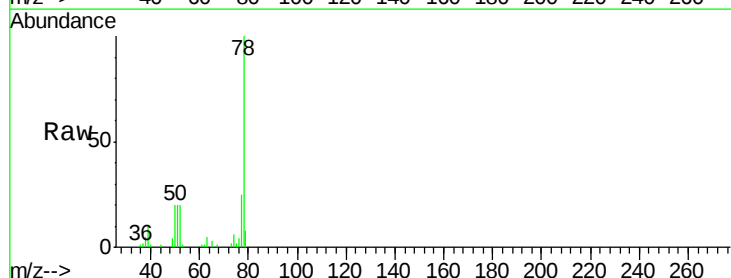
Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818DL

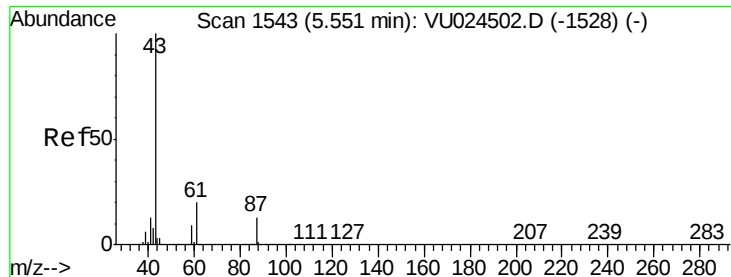
Tot Ion: 83 Resp: 7177
Ion Ratio Lower Upper
83 100
55 74.8 65.8 98.6
98 48.5 36.7 55.1



#40
Benzene
Concen: 3.793 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Tgt Ion: 78 Resp: 40580
Ion Ratio Lower Upper
78 100
77 24.8 19.2 28.8





#43

Isopropyl Acetate

Concen: 0.452 ug/l

RT: 5.54 min Scan# 1539

Delta R.T. -0.01 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

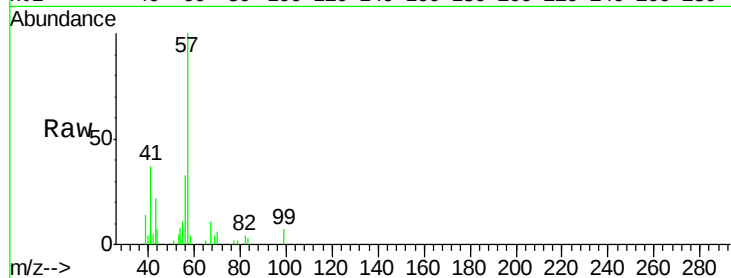
Tot Ion: 43 Resp: 3200

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

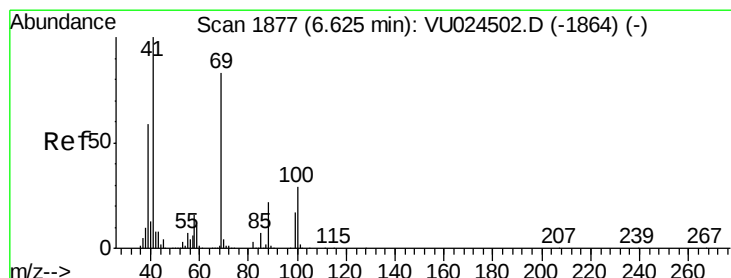
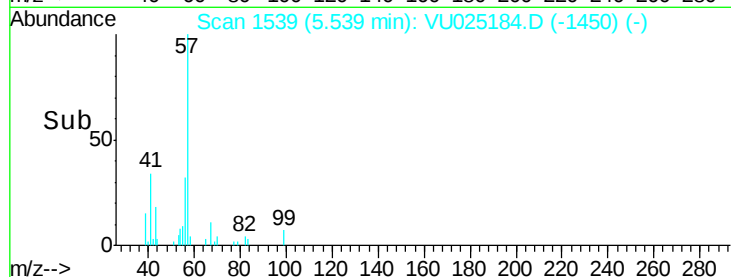
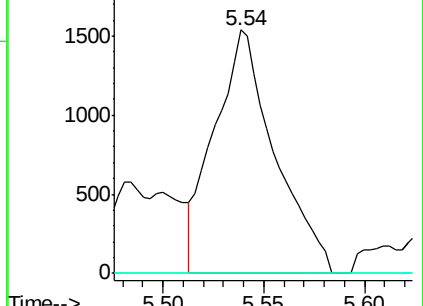
87 0.0 10.0 15.0#



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: 0.495 ug/l

RT: 6.64 min Scan# 1883

Delta R.T. 0.02 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

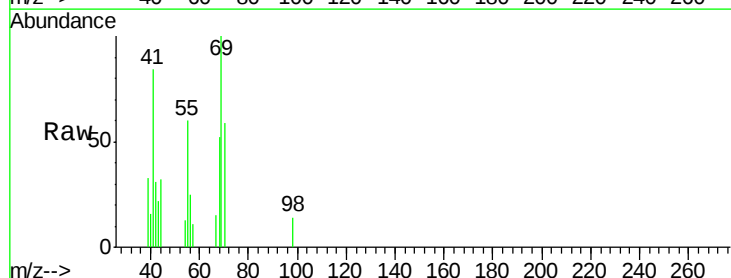
Tgt Ion: 41 Resp: 1704

Ion Ratio Lower Upper

41 100

69 114.5 67.3 100.9#

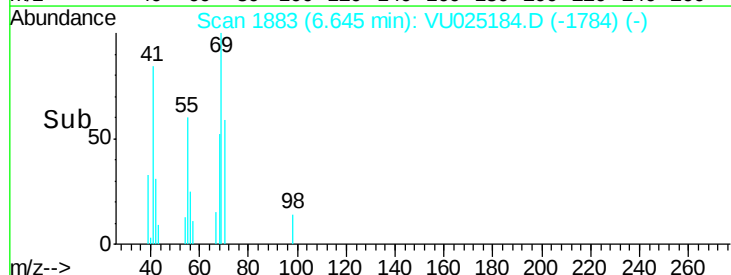
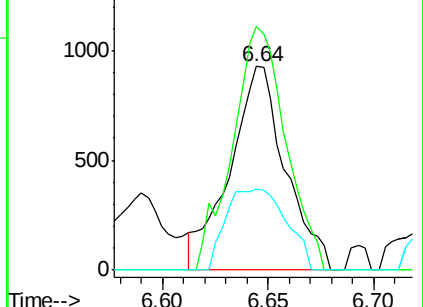
39 42.8 46.5 69.7#

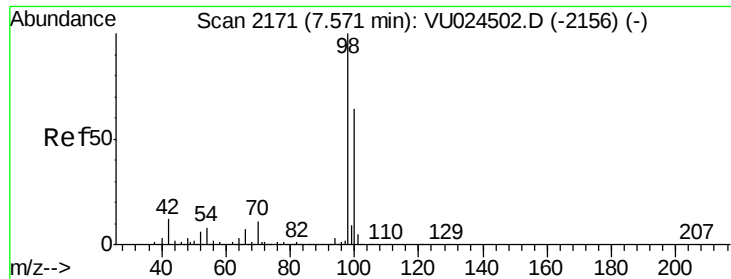


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

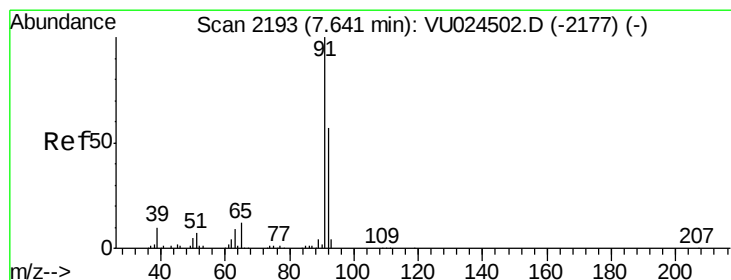
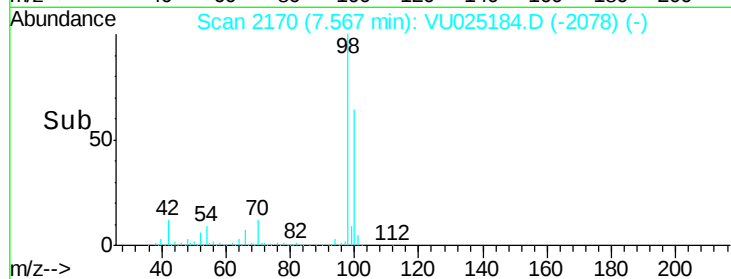
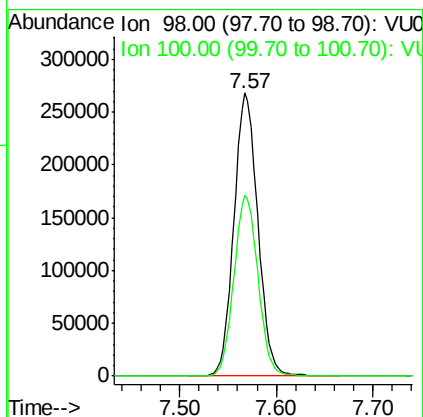
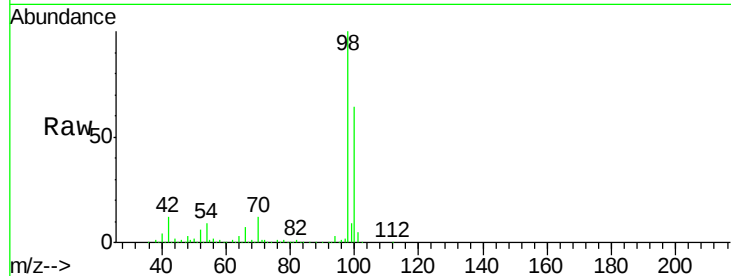




#50
Toluene-d8
Concen: 47.789 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

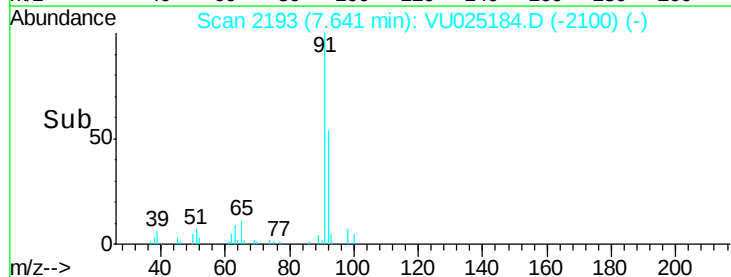
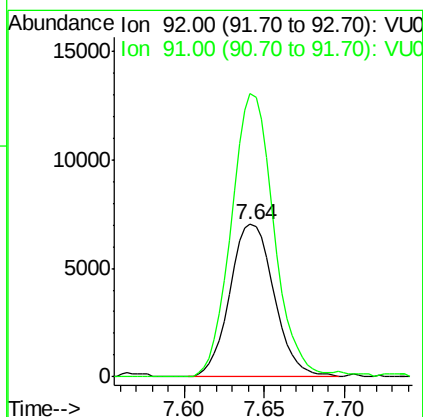
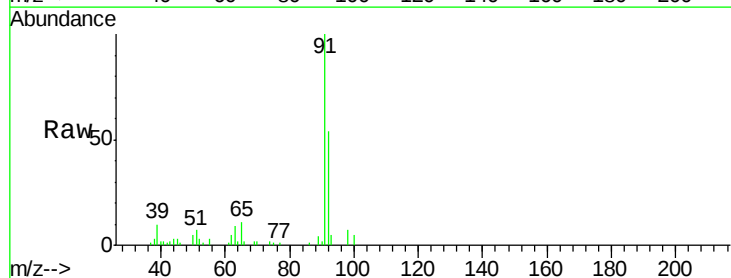
Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818DL

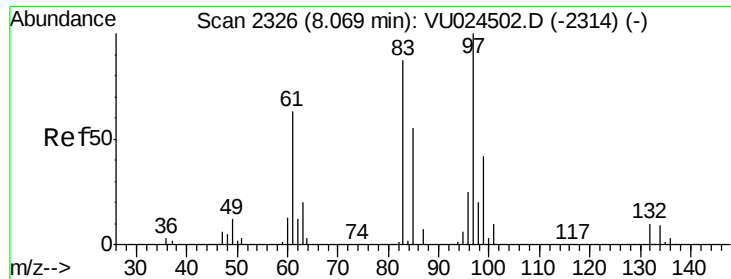
Tot Ion: 98 Resp: 462282
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



#52
Toluene
Concen: 1.932 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Tgt Ion: 92 Resp: 13299
Ion Ratio Lower Upper
92 100
91 177.1 140.5 210.7

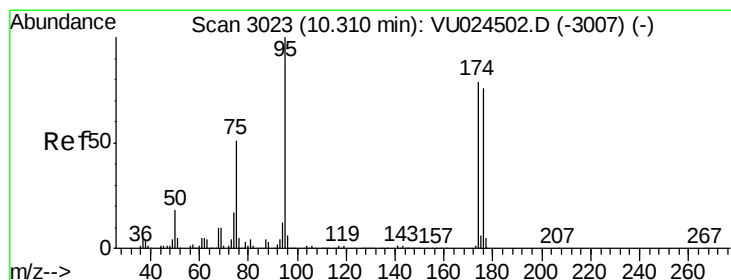
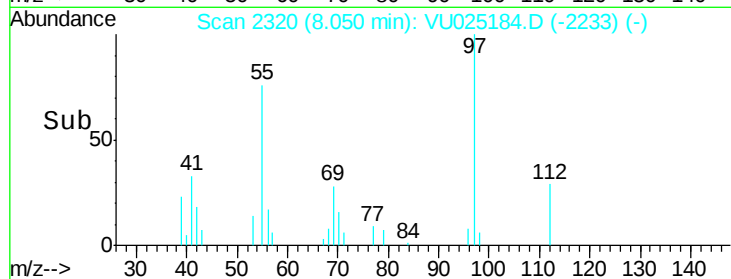
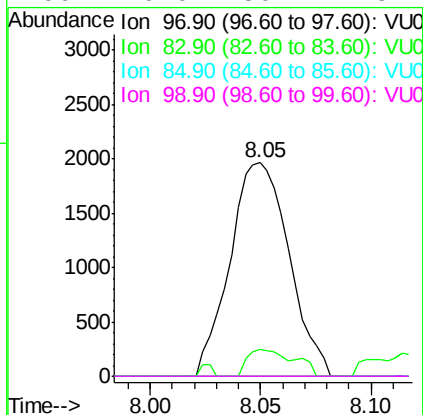
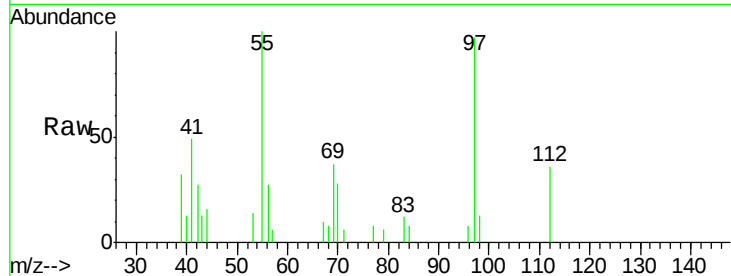




#55
 1,1,2-Trichloroethane
 Concen: 1.302 ug/l
 RT: 8.05 min Scan# 2320
 Delta R.T. -0.02 min
 Lab File: VU025184.D
 Acq: 03 Jul 2018 12:14

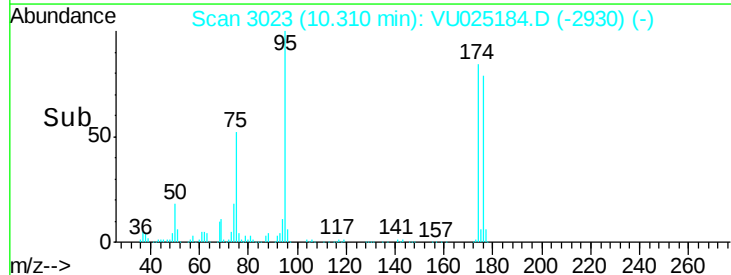
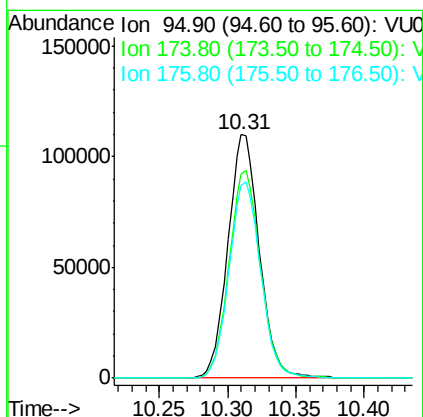
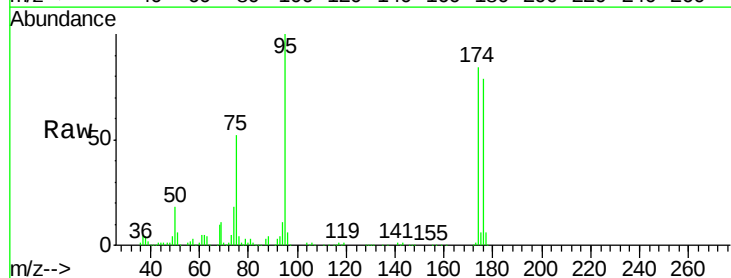
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818DL

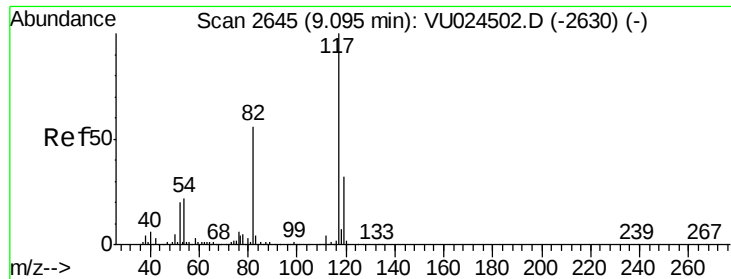
Tot Ion: 97 Resp: 3642
 Ion Ratio Lower Upper
 97 100
 83 12.3 70.5 105.7#
 85 0.0 46.4 69.6#
 99 0.0 50.2 75.2#



#62
 4-Bromofluorobenzene
 Concen: 45.643 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025184.D
 Acq: 03 Jul 2018 12:14

Tgt Ion: 95 Resp: 175304
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 165.8
 176 81.7 0.0 159.4

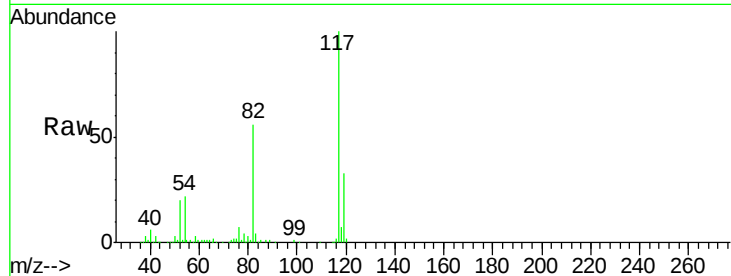




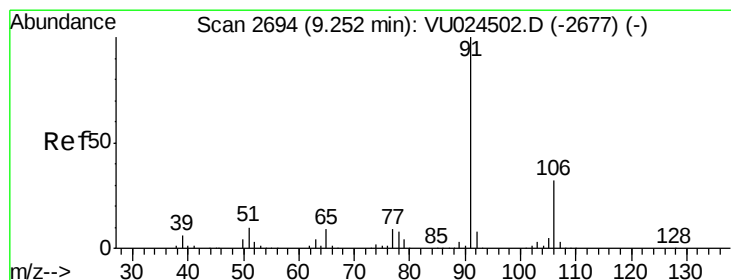
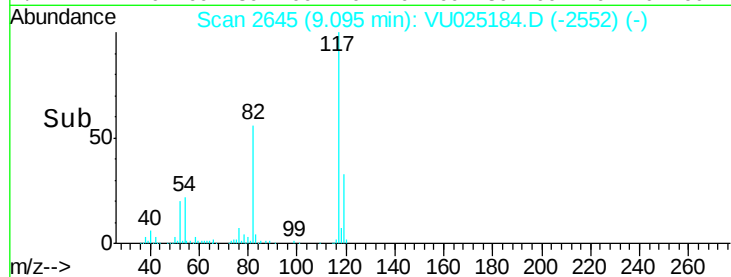
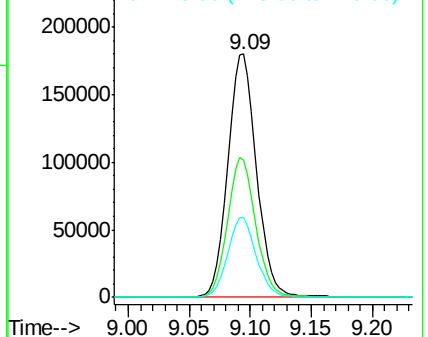
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.3	66.5
119	32.5	25.4	38.2

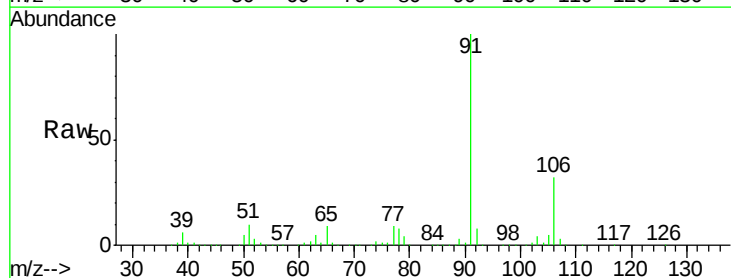


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

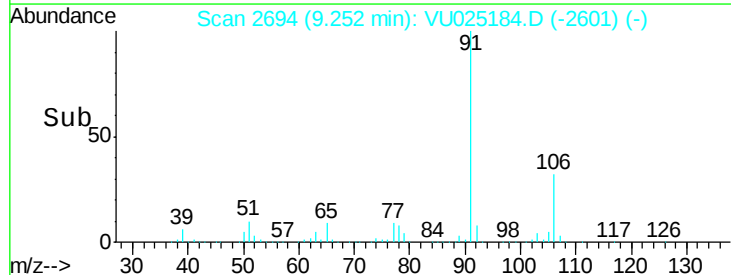
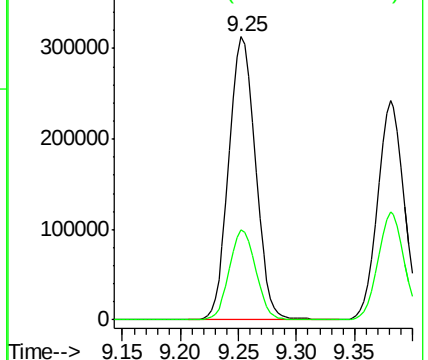


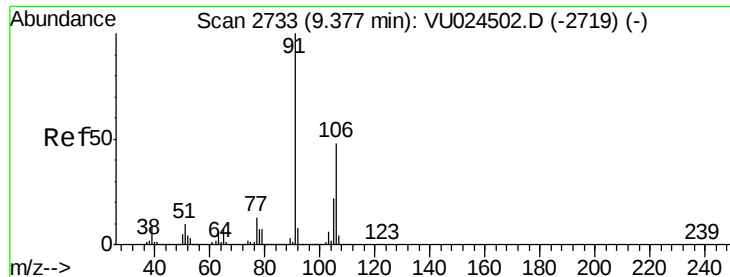
#67
Ethyl Benzene
Concen: 37.448 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.2	36.4



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

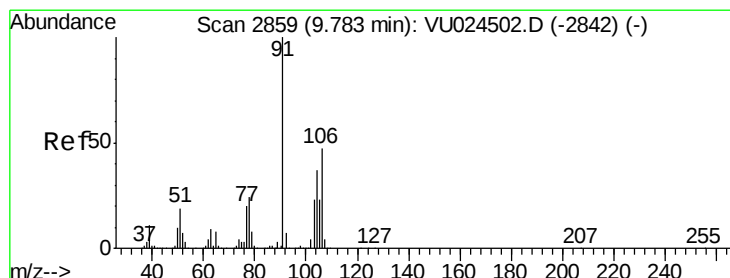
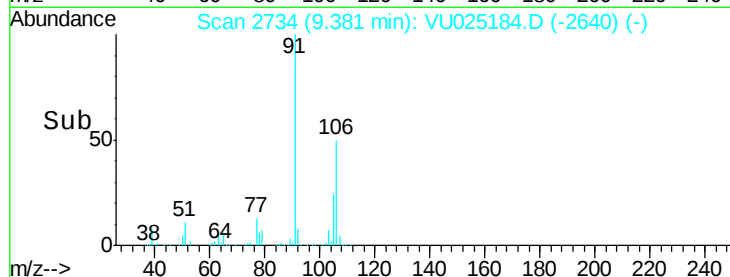
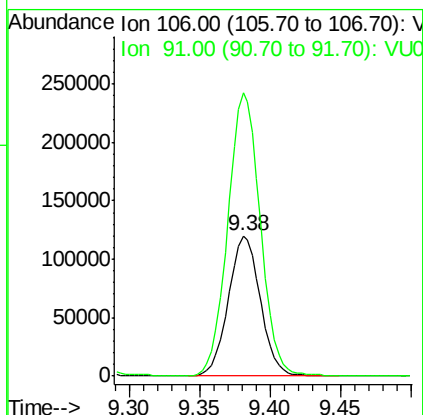
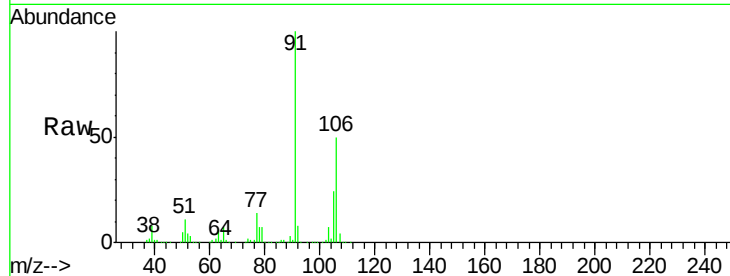




#68
m/p-Xylenes
Concen: 37.253 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

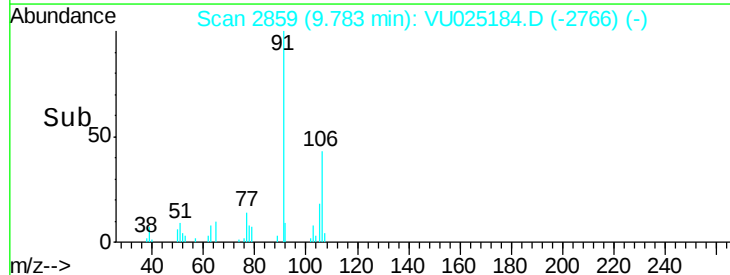
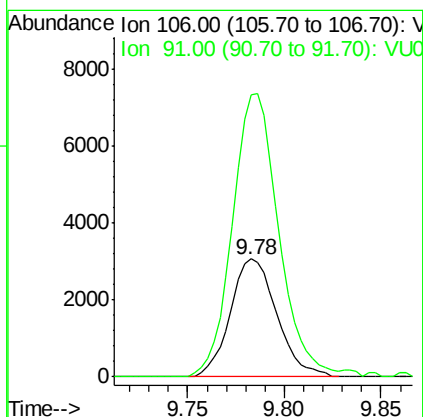
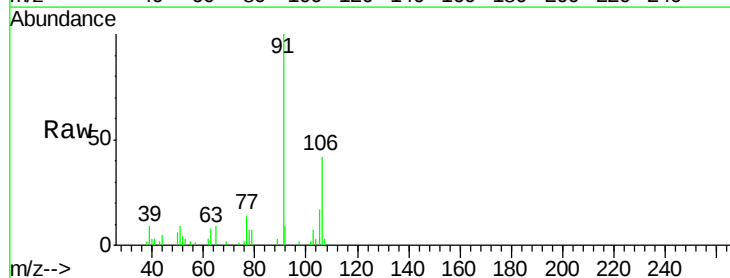
Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818DL

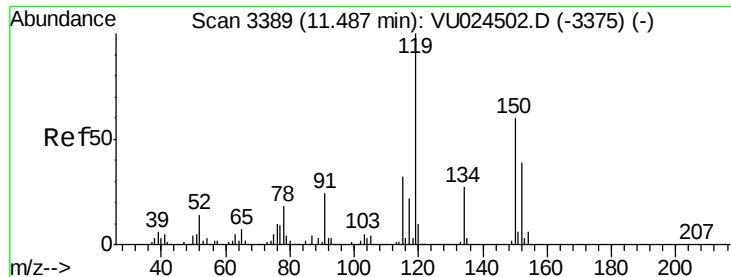
Tot Ion:106 Resp: 190417
Ion Ratio Lower Upper
106 100
91 205.2 166.5 249.7



#69
o-Xylene
Concen: 1.014 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Tgt Ion:106 Resp: 5127
Ion Ratio Lower Upper
106 100
91 240.5 110.7 331.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

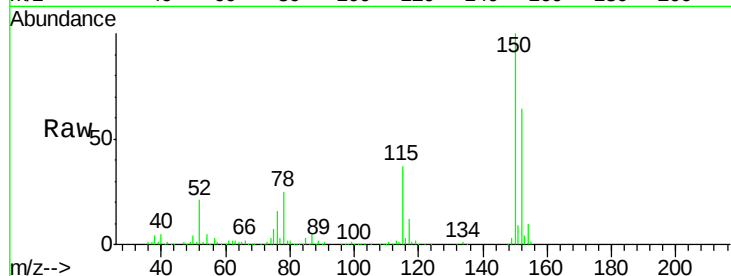
Tot Ion:152 Resp: 170900

Ion Ratio Lower Upper

152 100

115 56.9 43.0 129.0

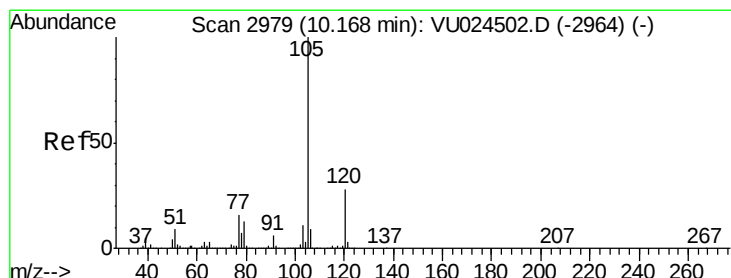
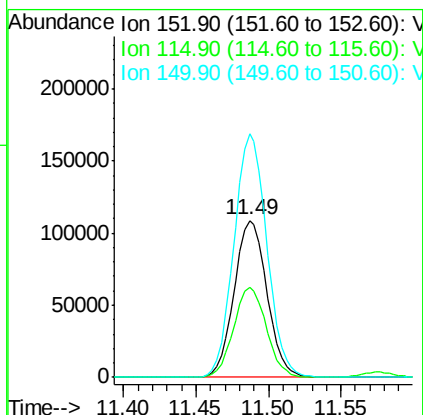
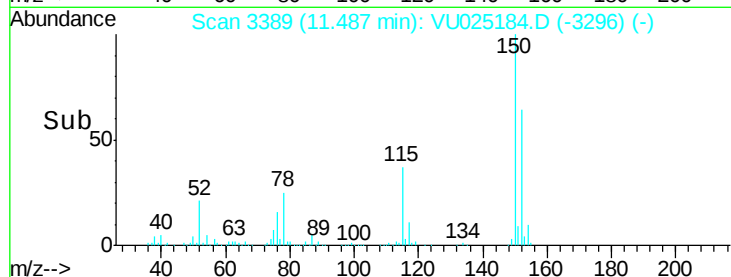
150 156.0 0.0 354.0



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: 2.456 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025184.D

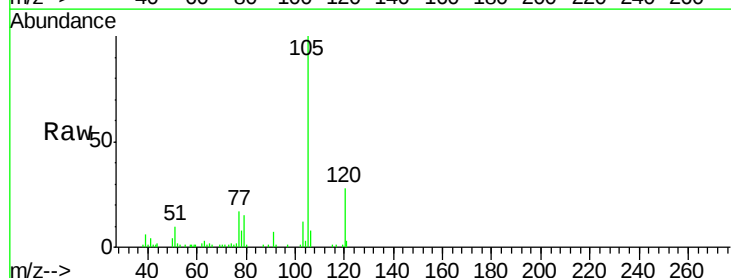
Acq: 03 Jul 2018 12:14

Tgt Ion:105 Resp: 32228

Ion Ratio Lower Upper

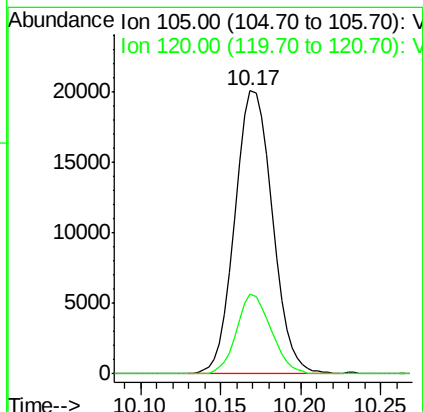
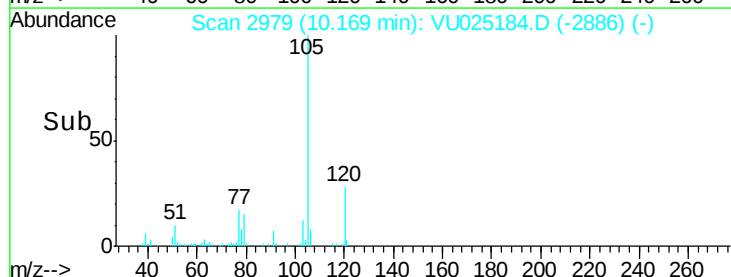
105 100

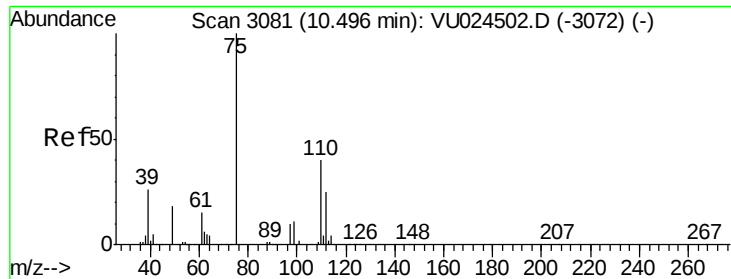
120 25.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

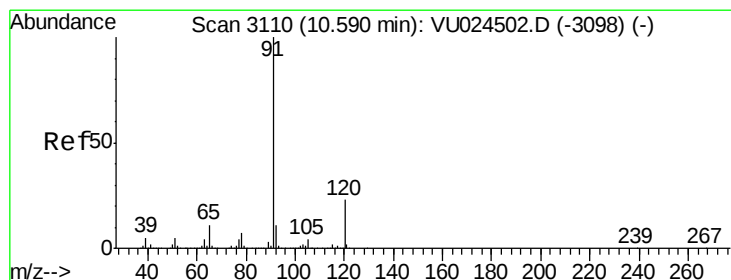
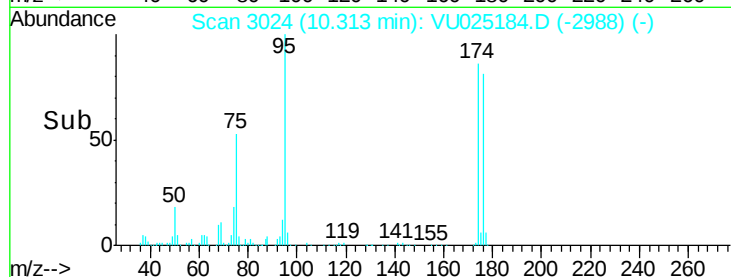
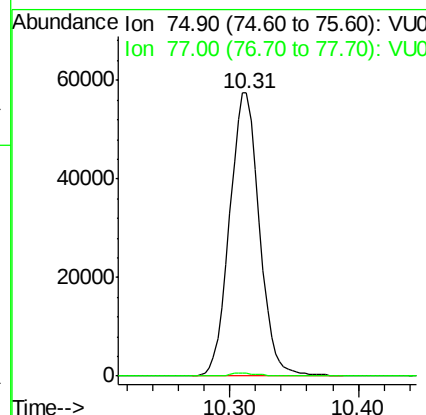
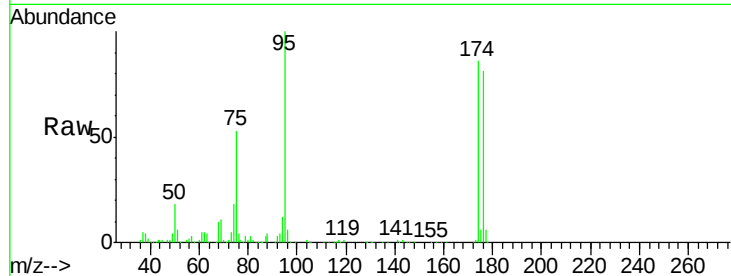




#76
 1,2,3-Trichloropropane
 Concen: 24.499 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. -0.18 min
 Lab File: VU025184.D
 Acq: 03 Jul 2018 12:14

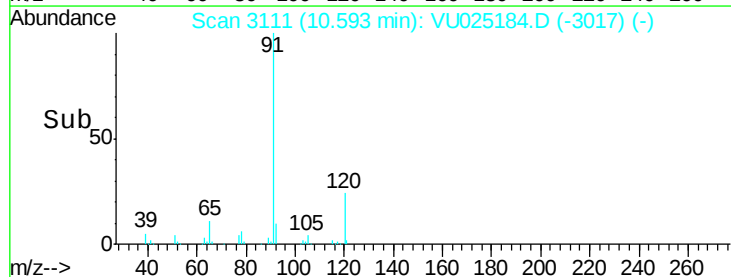
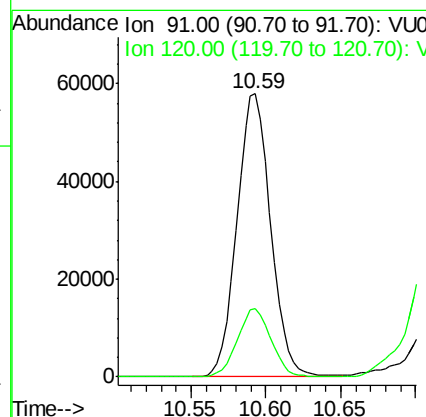
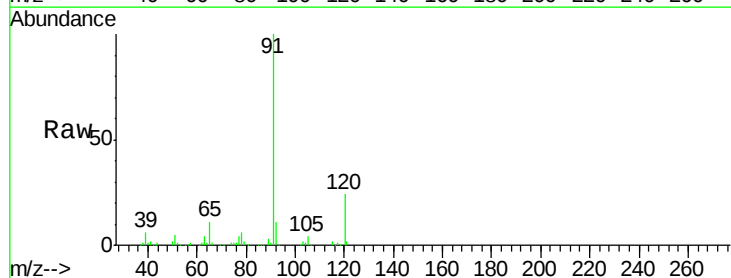
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818DL

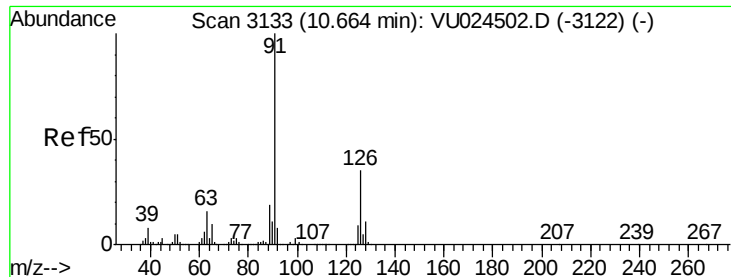
Tot Ion: 75 Resp: 92181
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.7#



#78
 n-propylbenzene
 Concen: 5.897 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU025184.D
 Acq: 03 Jul 2018 12:14

Tgt Ion: 91 Resp: 91146
 Ion Ratio Lower Upper
 91 100
 120 23.9 11.2 33.5





#79

2-Chlorotoluene

Concen: 2.229 ug/l

RT: 10.71 min Scan# 3147

Delta R.T. 0.05 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

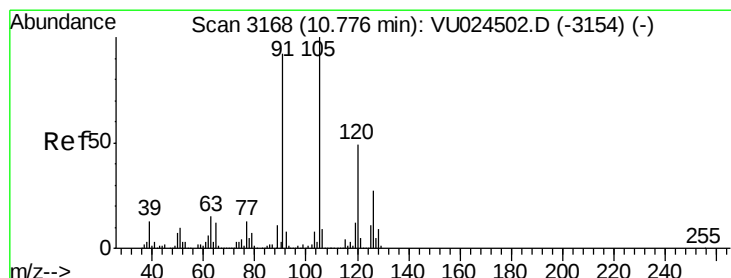
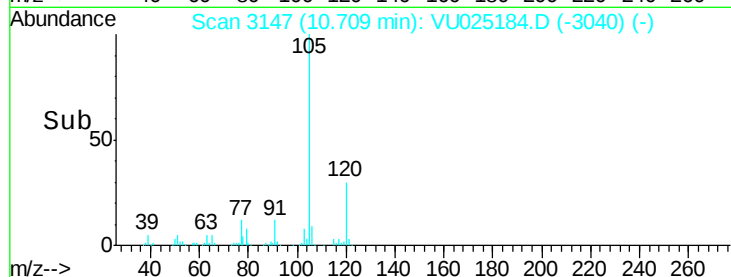
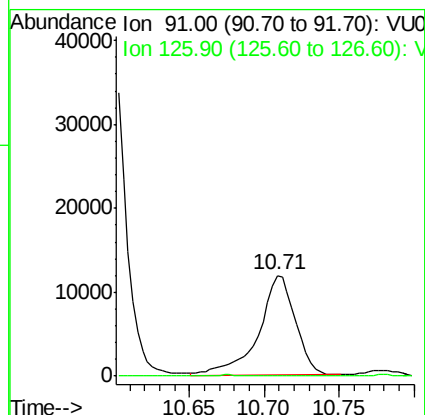
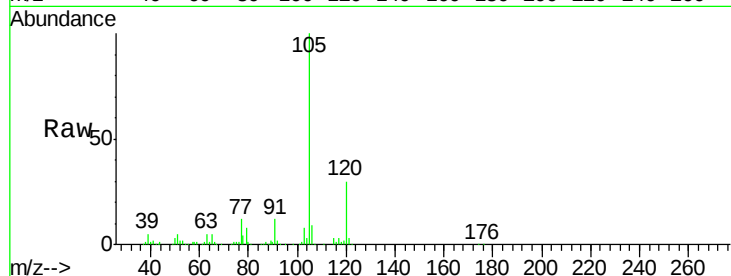
MW-1-062818DL

Tot Ion: 91 Resp: 20316

Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.7#



#80

1,3,5-Trimethylbenzene

Concen: 15.589 ug/l

RT: 10.71 min Scan# 3148

Delta R.T. -0.06 min

Lab File: VU025184.D

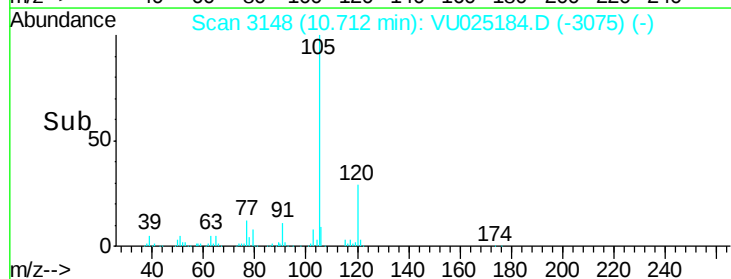
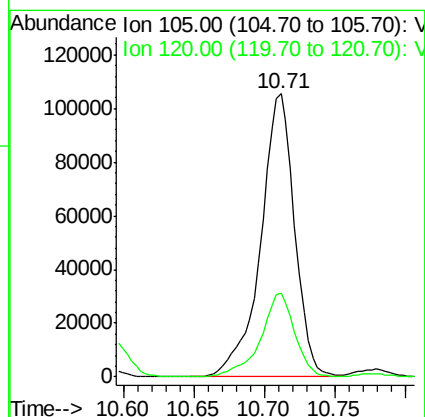
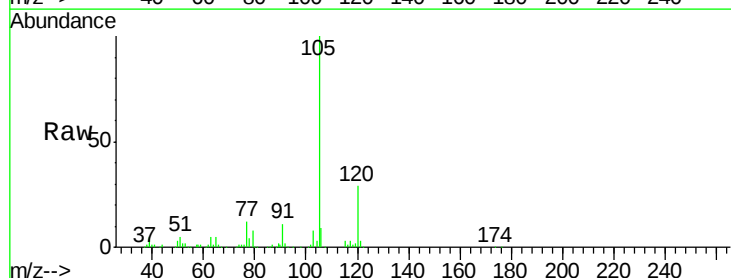
Acq: 03 Jul 2018 12:14

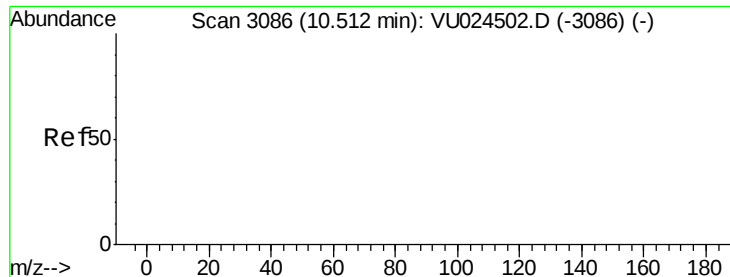
Tgt Ion: 105 Resp: 177282

Ion Ratio Lower Upper

105 100

120 29.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 56.702 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.20 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

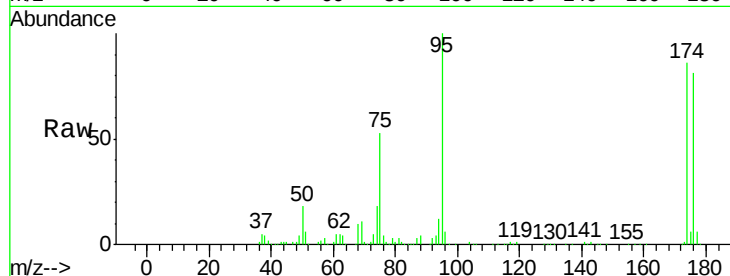
Tot Ion: 75 Resp: 92181

Ion Ratio Lower Upper

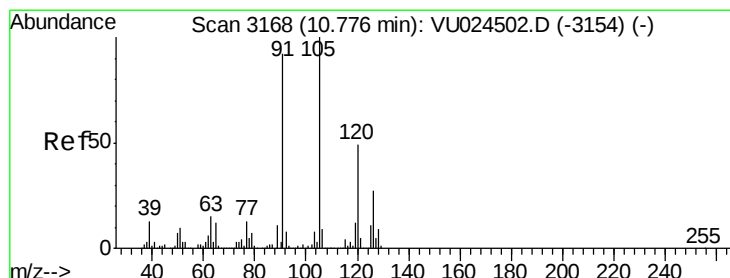
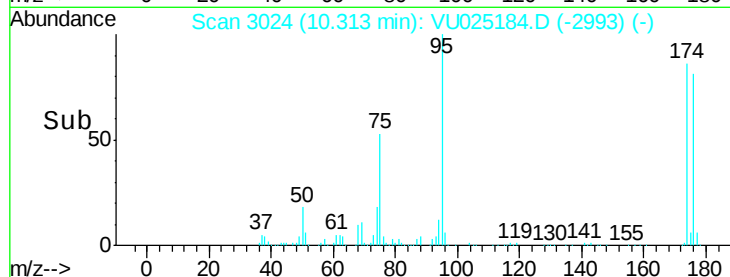
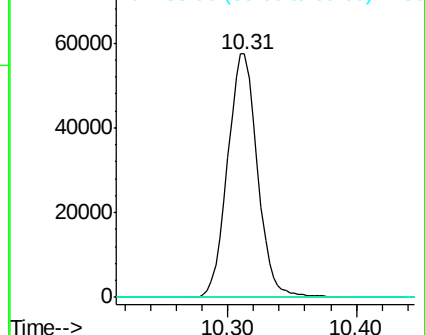
75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 1.915 ug/l

RT: 10.71 min Scan# 3147

Delta R.T. -0.07 min

Lab File: VU025184.D

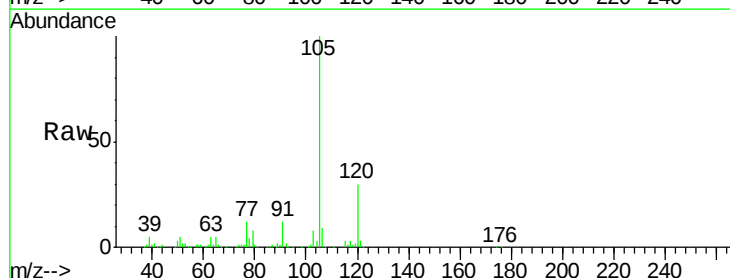
Acq: 03 Jul 2018 12:14

Tgt Ion: 91 Resp: 20316

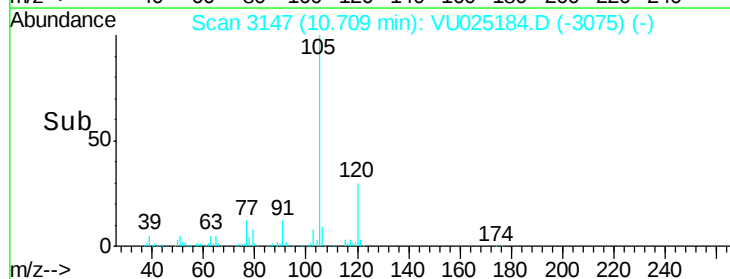
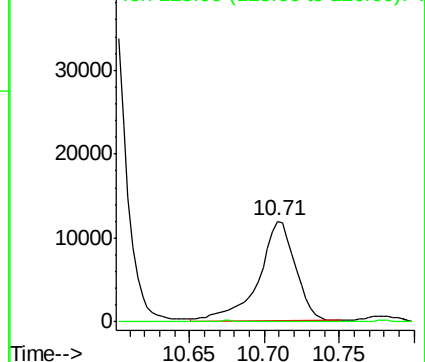
Ion Ratio Lower Upper

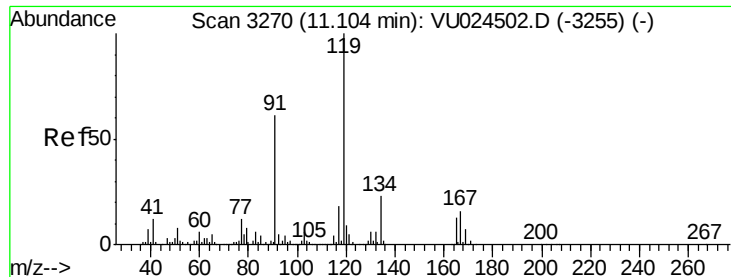
91 100

126 0.0 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 9.818 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.05 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

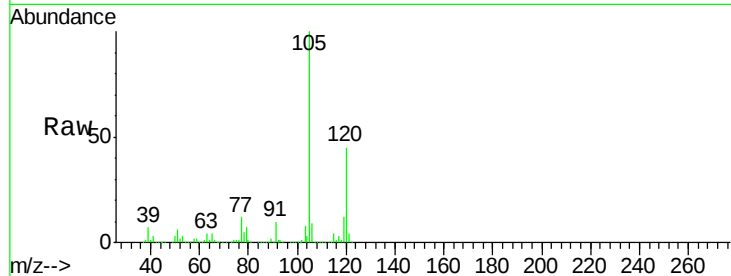
Tot Ion:119 Resp: 107401

Ion Ratio Lower Upper

119 100

91 86.5 29.7 89.1

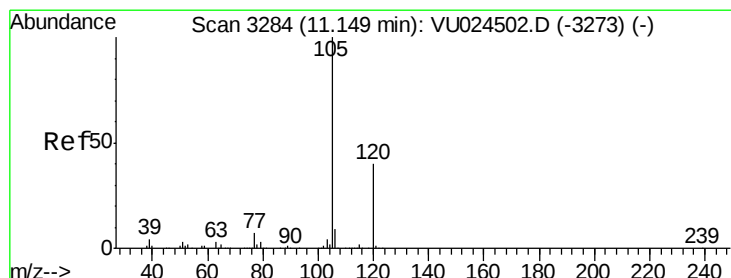
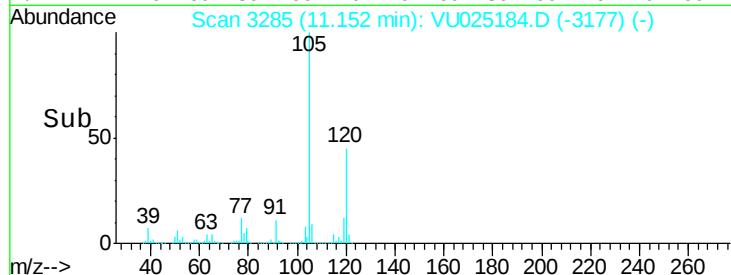
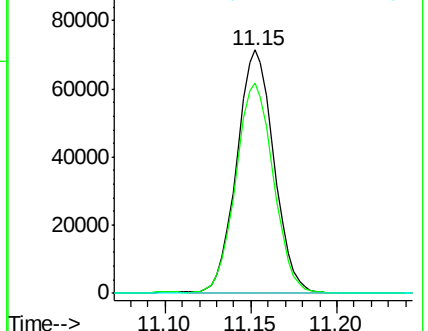
134 0.0 11.6 34.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 75.782 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025184.D

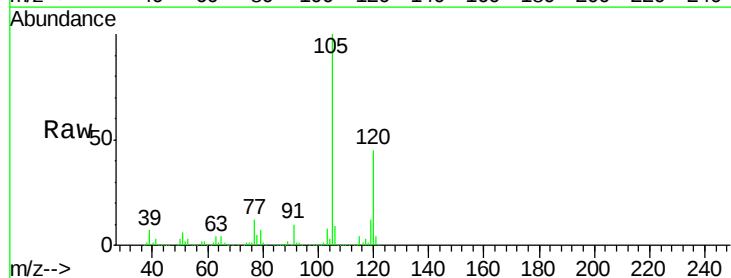
Acq: 03 Jul 2018 12:14

Tgt Ion:105 Resp: 878290

Ion Ratio Lower Upper

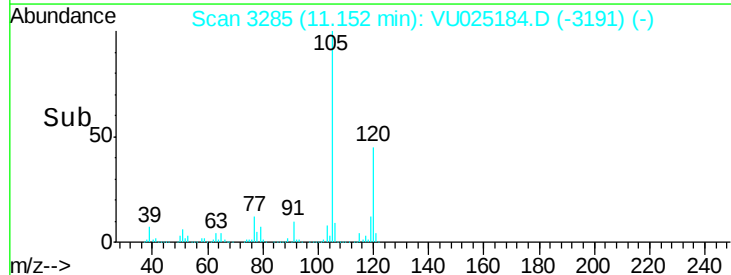
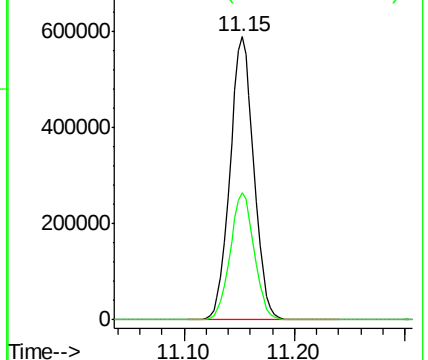
105 100

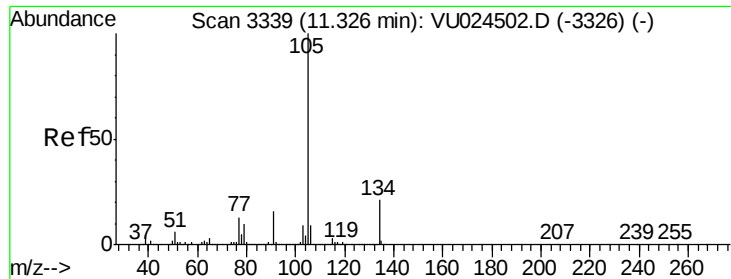
120 45.1 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 64.140 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. -0.17 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

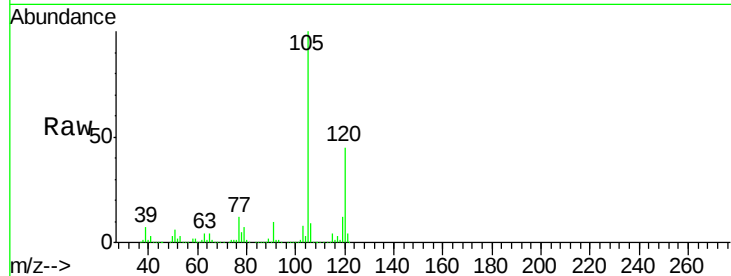
MW-1-062818DL

Tot Ion:105 Resp: 878290

Ion Ratio Lower Upper

105 100

134 0.0 9.7 29.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.15

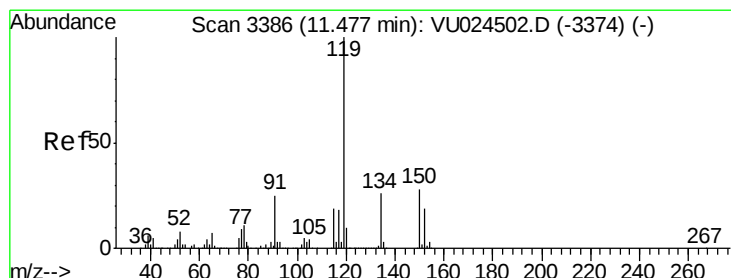
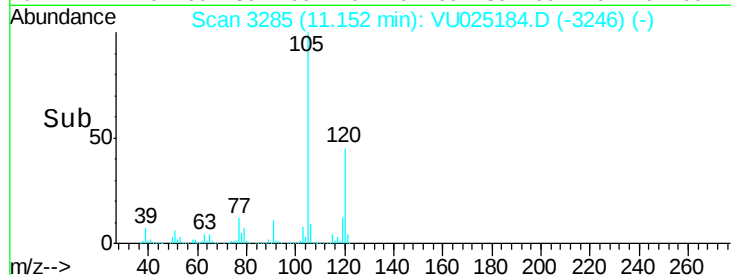
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 0.548 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

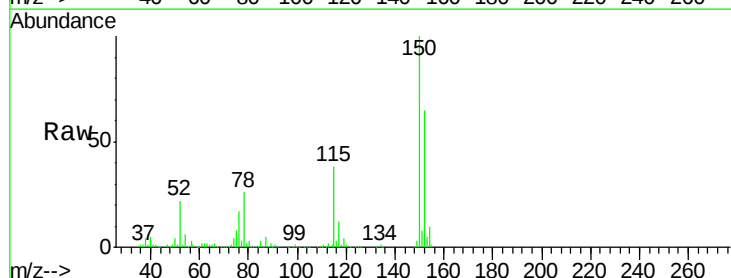
Tgt Ion:119 Resp: 6726

Ion Ratio Lower Upper

119 100

134 28.8 12.9 38.6

91 29.8 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

6000

5000

4000

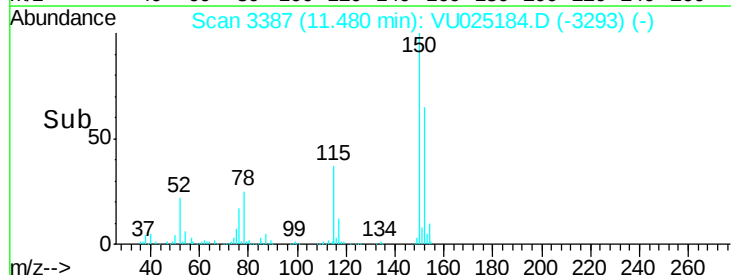
3000

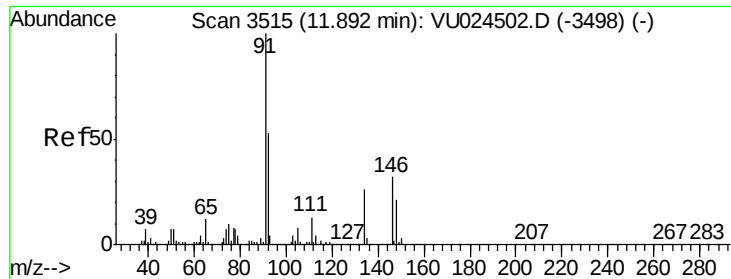
2000

1000

0

Time-->





#89

n-Butylbenzene

Concen: 1.388 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

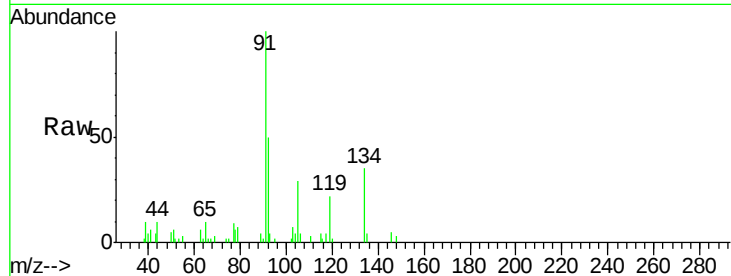
Tot Ion: 91 Resp: 15108

Ion Ratio Lower Upper

91 100

92 39.8 25.6 76.8

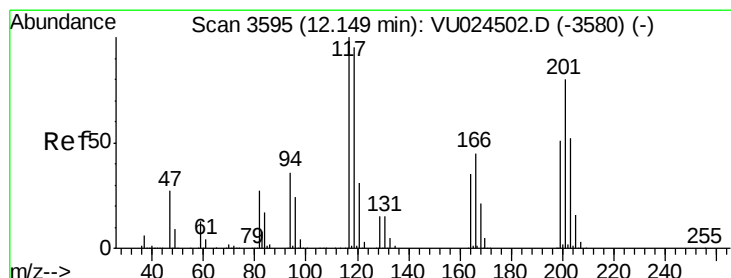
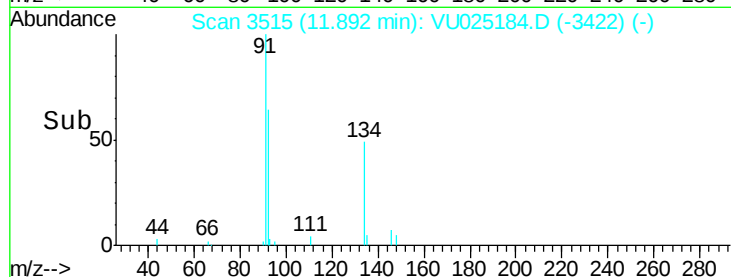
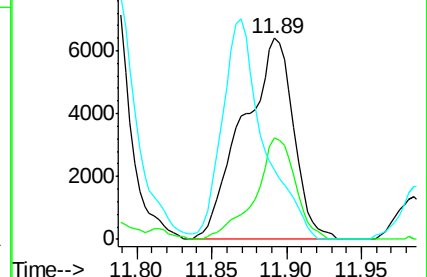
134 0.0 12.3 36.8#



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3498) (-)

Ion 92.00 (91.70 to 92.70): VU024502.D (-3498) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3498) (-)



#90

Hexachloroethane

Concen: 2.763 ug/l

RT: 12.15 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU025184.D

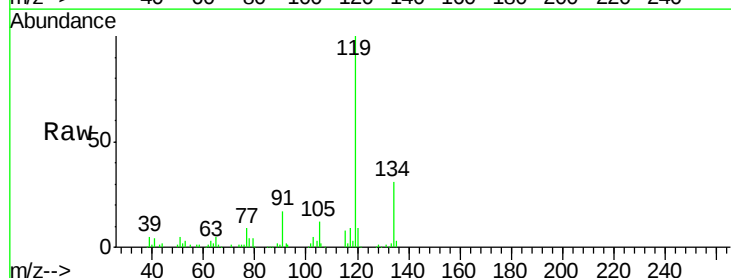
Acq: 03 Jul 2018 12:14

Tgt Ion: 117 Resp: 6610

Ion Ratio Lower Upper

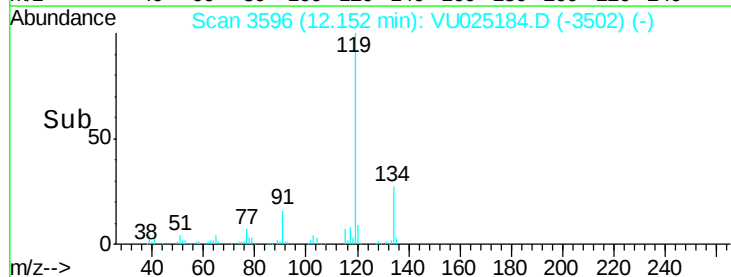
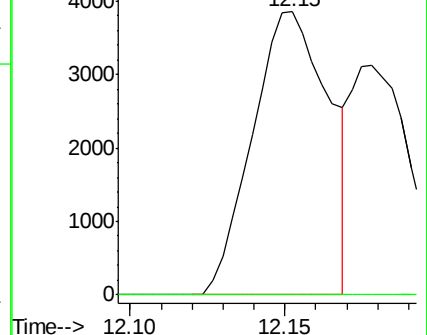
117 100

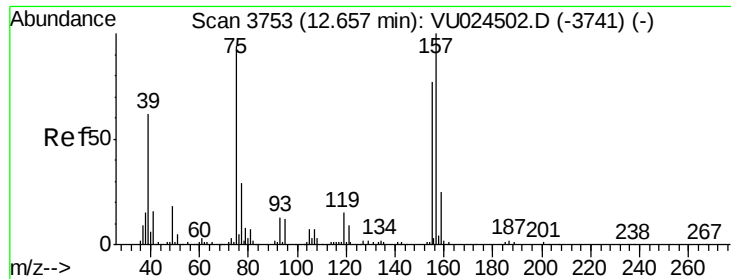
201 0.0 41.1 123.3#



Abundance Ion 116.80 (116.50 to 117.50): VU024502.D (-3580) (-)

Ion 200.70 (200.40 to 201.40): VU024502.D (-3580) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.340 ug/l

RT: 12.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

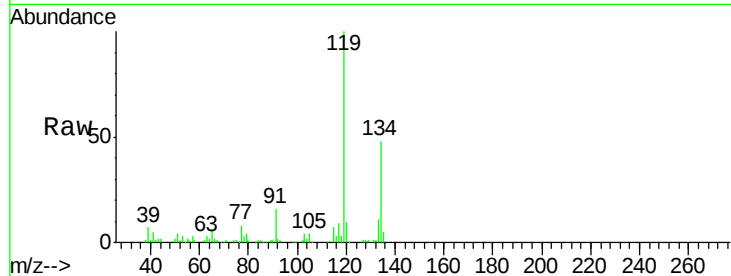
Tot Ion: 75 Resp: 413

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

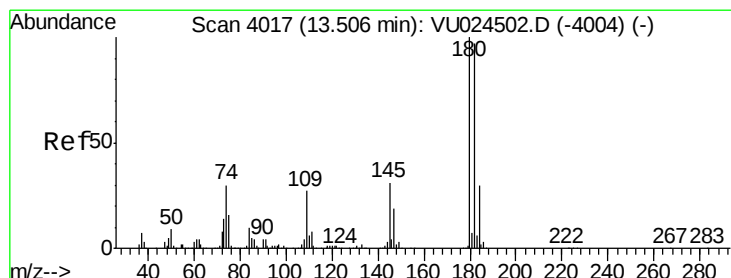
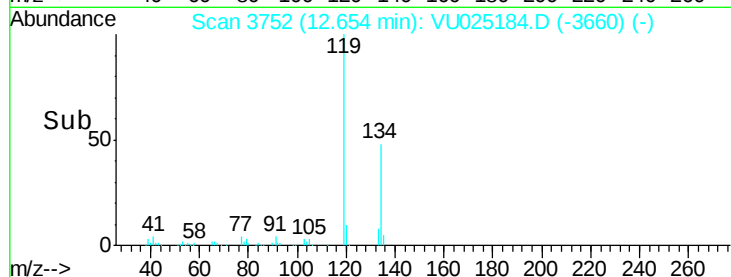
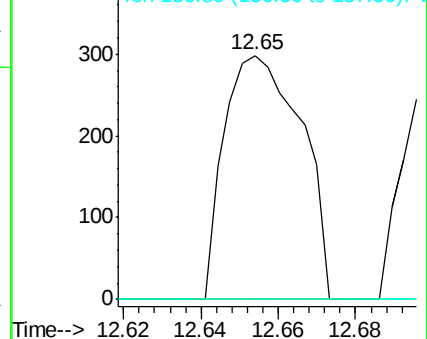
157 0.0 52.3 156.8#



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3741) (-)

Ion 154.80 (154.50 to 155.50): VU024502.D (-3741) (-)

Ion 156.80 (156.50 to 157.50): VU024502.D (-3741) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.526 ug/l

RT: 13.50 min Scan# 4016

Delta R.T. -0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

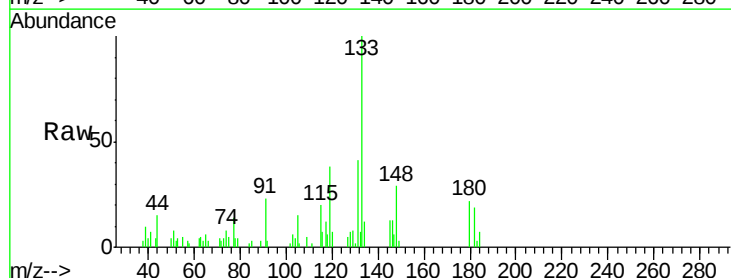
Tgt Ion: 180 Resp: 1996

Ion Ratio Lower Upper

180 100

182 90.3 48.0 144.2

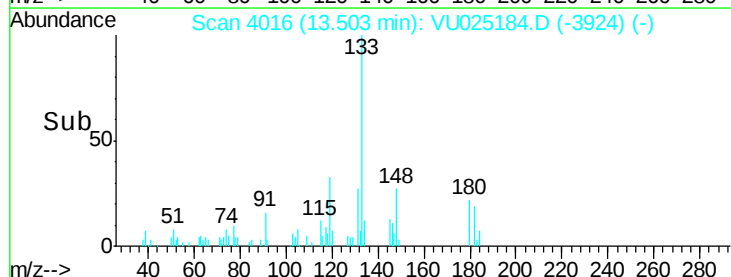
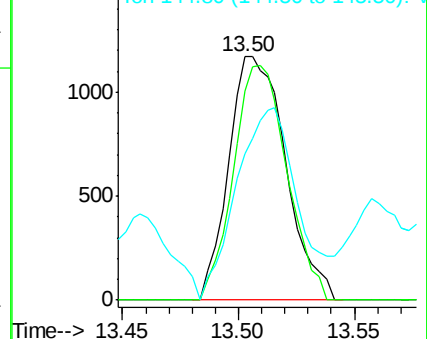
145 86.1 14.7 44.1#

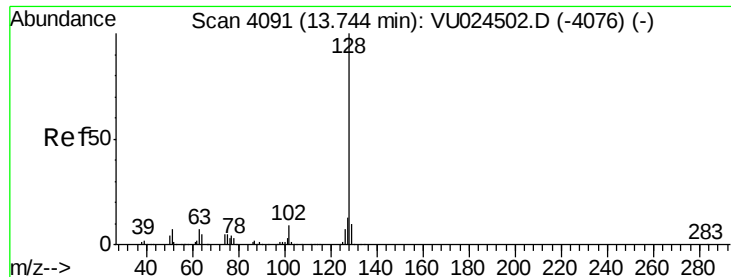


Abundance Ion 179.80 (179.50 to 180.50): VU024502.D (-4004) (-)

Ion 181.80 (181.50 to 182.50): VU024502.D (-4004) (-)

Ion 144.80 (144.50 to 145.50): VU024502.D (-4004) (-)





#95

Naphthalene

Concen: 6.761 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

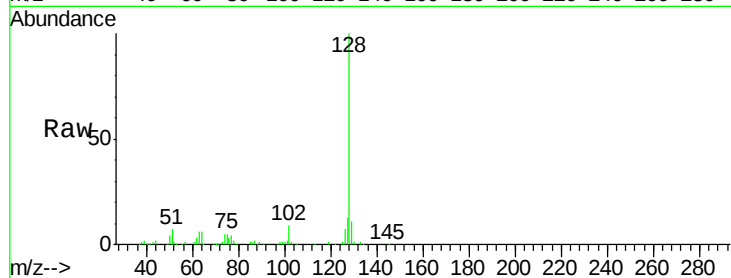
Tot Ion:128 Resp: 77472

Ion Ratio Lower Upper

128 100

127 12.1 10.6 16.0

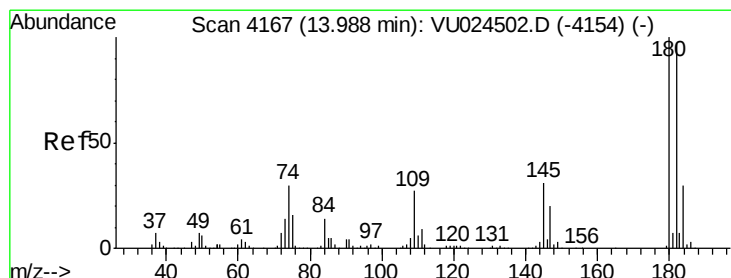
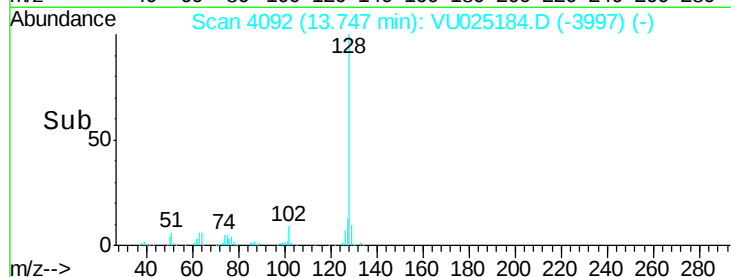
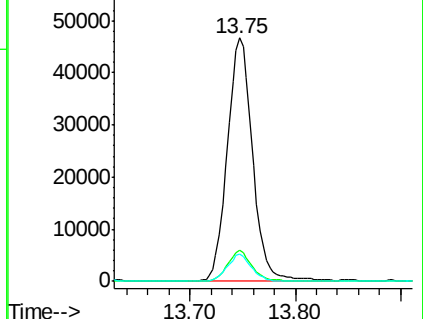
129 10.5 8.6 12.8



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: 0.614 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

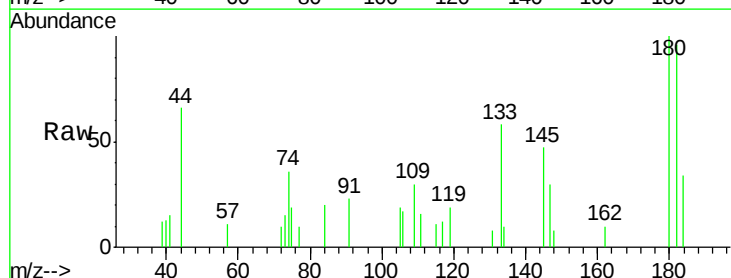
Tgt Ion:180 Resp: 2322

Ion Ratio Lower Upper

180 100

182 91.3 47.9 143.7

145 0.0 15.4 46.1#



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

