

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025347.D
 Acq On : 12 Jul 2018 18:20
 Operator : MD/SY
 Sample : J3924-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RO-1-4

Quant Time: Jul 13 01:12:37 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	195489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	300017	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	275197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	145880	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	149072	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
35) Dibromofluoromethane	4.89	113	116636	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
50) Toluene-d8	7.57	98	425366	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	10.31	95	156869	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	444	0.78	ug/l	# 42
5) Bromomethane	1.64	94	406	Below Cal		84
6) Chloroethane	1.69	64	66	0.34	ug/l	# 43
8) Diethyl Ether	2.10	74	1575	1.20	ug/l	# 67
10) Methyl Iodide	2.42	142	203	7.78	ug/l	# 39
11) Tert butyl alcohol	2.84	59	1436	2.17	ug/l	# 73
16) Acetone	2.32	43	12861	13.00	ug/l	99
17) Carbon Disulfide	2.48	76	513	2.02	ug/l	# 74
18) Methyl Acetate	2.62	43	17027	5.48	ug/l	98
20) Methylene Chloride	2.70	84	54093	23.40	ug/l	98
25) 2-Butanone	4.28	43	3087	1.47	ug/l	# 75
29) Tetrahydrofuran	4.66	42	941	0.75	ug/l	# 83
30) Chloroform	4.69	83	2341	0.53	ug/l	93
31) Cyclohexane	4.99	56	3845	1.73	ug/l	# 10
36) 1,1-Dichloropropene	4.99	75	13882	4.16	ug/l	# 49
38) Carbon Tetrachloride	4.99	117	19105	5.32	ug/l	# 16
43) Isopropyl Acetate	5.82	43	16783	2.82	ug/l	# 61
51) 4-Methyl-2-Pentanone	7.47	43	2007	0.52	ug/l	# 75
52) Toluene	7.64	92	3998	0.65	ug/l	100
65) Chlorobenzene	9.12	112	1457	0.21	ug/l	91
67) Ethyl Benzene	9.26	91	10956	0.93	ug/l	94
68) m/p-Xylenes	9.38	106	11924	2.63	ug/l	96
69) o-Xylene	9.78	106	3958	0.87	ug/l	90
70) Styrene	9.81	104	1873	0.26	ug/l	# 80
74) N-ethyl acetate	10.03	43	105	1.29	ug/l	# 43
76) 1,2,3-Trichloropropane	10.31	75	81830	27.58	ug/l	# 36
79) 2-Chlorotoluene	10.69	91	1170	0.31	ug/l	# 40
80) 1,3,5-Trimethylbenzene	10.78	105	4332	0.46	ug/l	93
81) trans-1,4-Dichloro-2-buten	10.31	75	81830	70.41	ug/l	# 100
84) 1,2,4-Trimethylbenzene	11.15	105	14843	1.54	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	220	1.53	ug/l	# 1
93) 1,2,4-Trichlorobenzene	13.51	180	169	3.33	ug/l	# 1
95) Naphthalene	13.75	128	102894	11.56	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	271	2.60	ug/l	87

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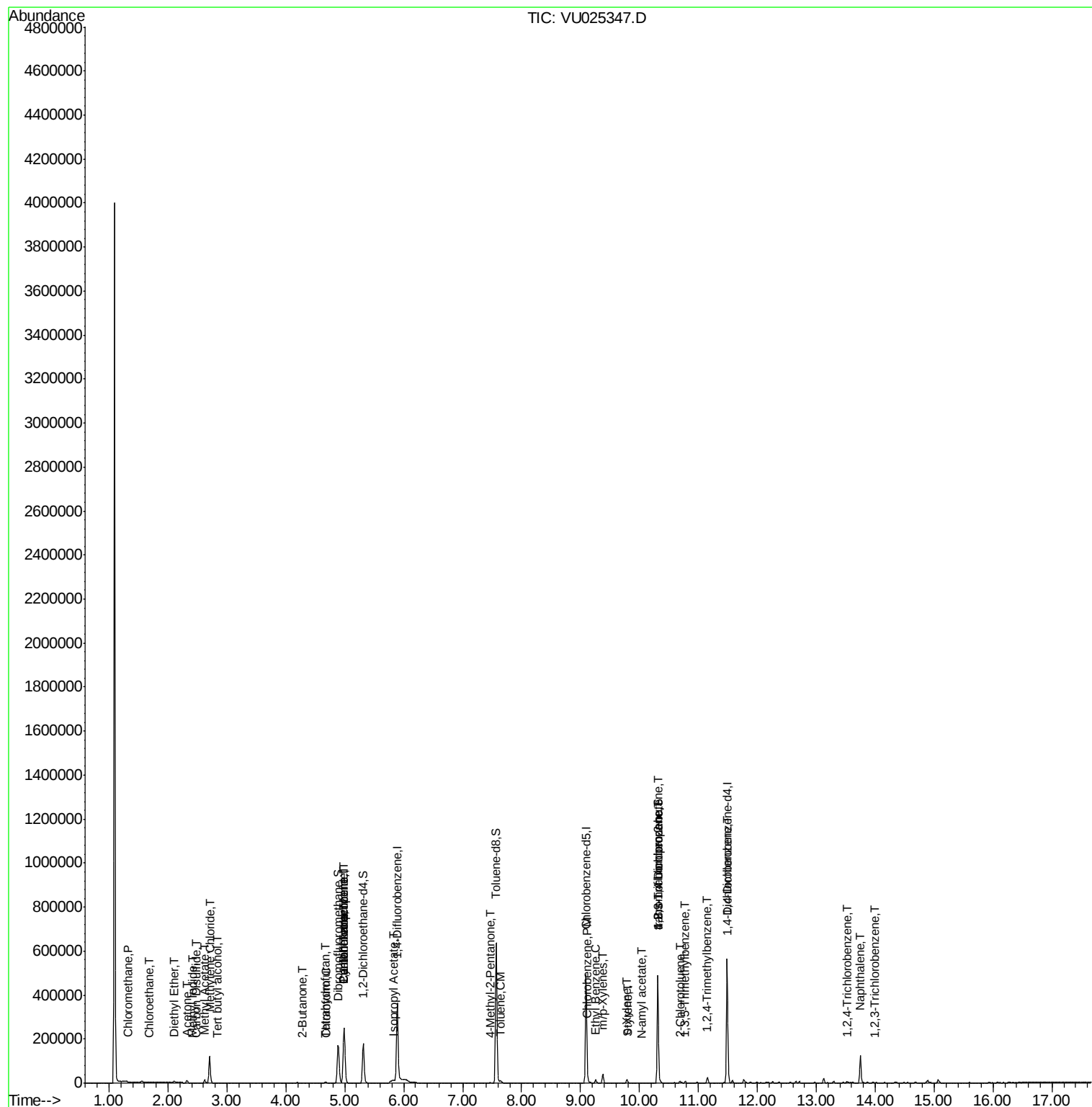
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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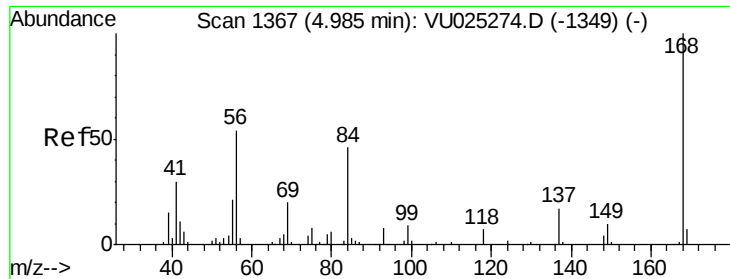
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071218\
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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: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

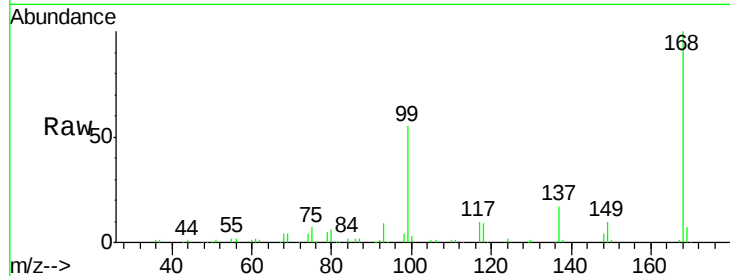
RO-1-4

Tot Ion:168 Resp: 195489

Ion Ratio Lower Upper

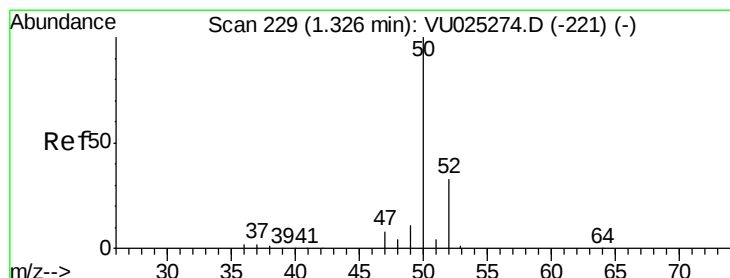
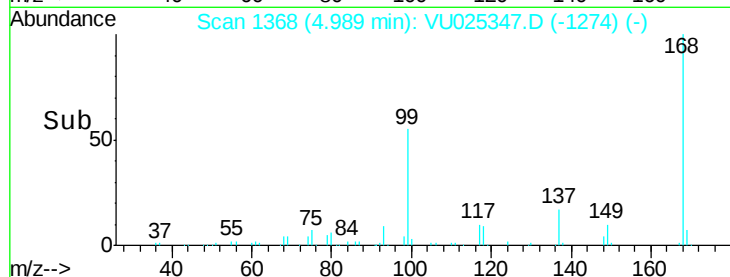
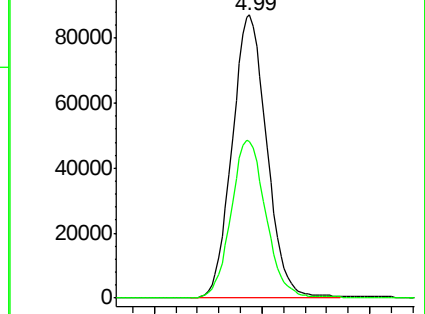
168 100

99 55.5 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) (-)



#3

Chloromethane

Concen: 0.78 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025347.D

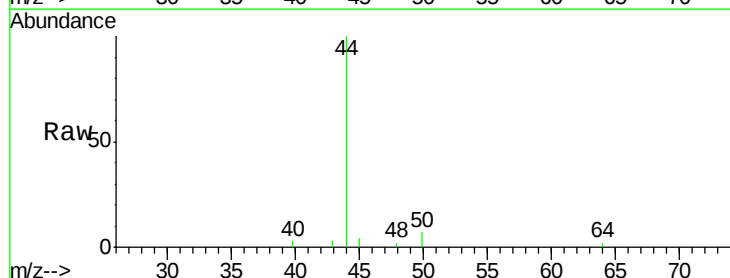
Acq: 12 Jul 2018 18:20

Tgt Ion: 50 Resp: 444

Ion Ratio Lower Upper

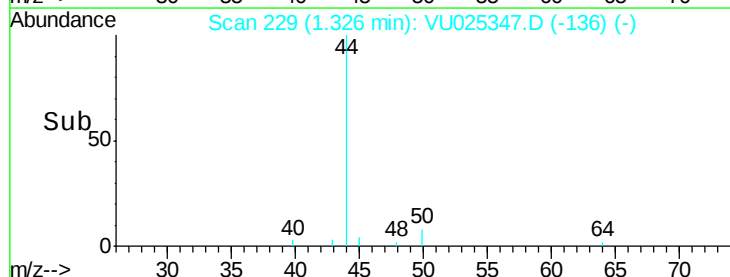
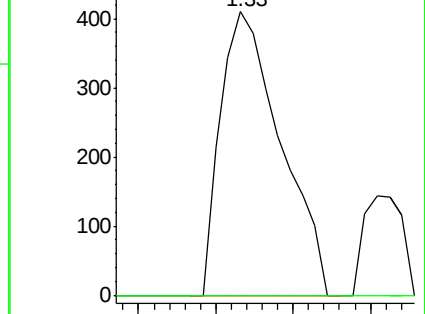
50 100

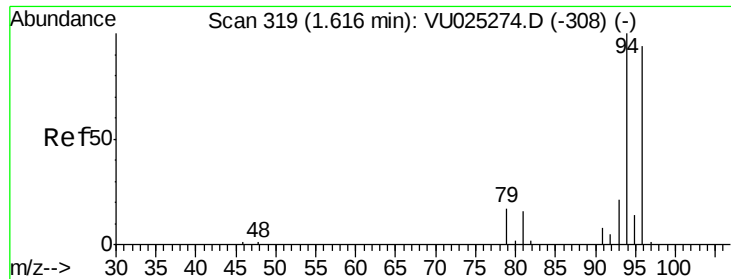
52 0.0 26.5 39.7#



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

Ion 51.90 (51.60 to 52.60): VU025274.D (-221) (-)





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 325

Delta R.T. 0.02 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

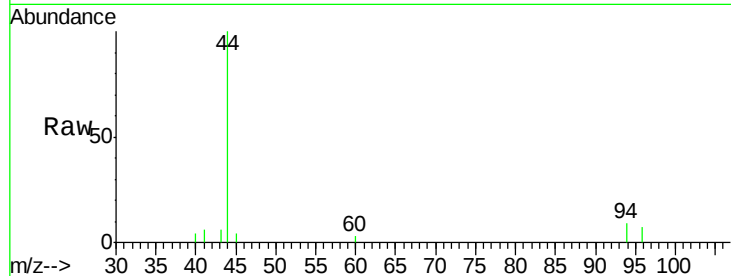
RO-1-4

Tot Ion: 94 Resp: 406

Ion Ratio Lower Upper

94 100

96 78.5 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.64

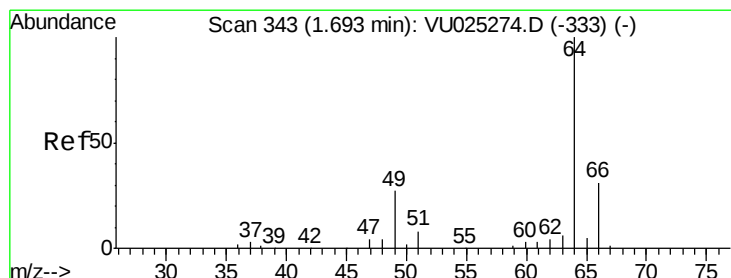
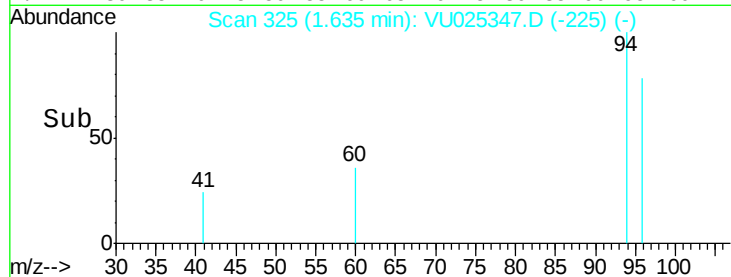
300

200

100

0

Time--> 1.60 1.62 1.64 1.66



#6

Chloroethane

Concen: 0.34 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025347.D

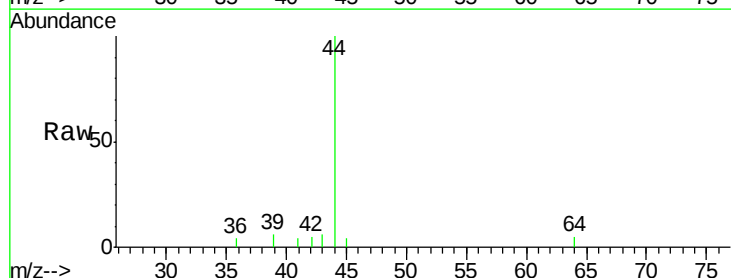
Acq: 12 Jul 2018 18:20

Tgt Ion: 64 Resp: 66

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

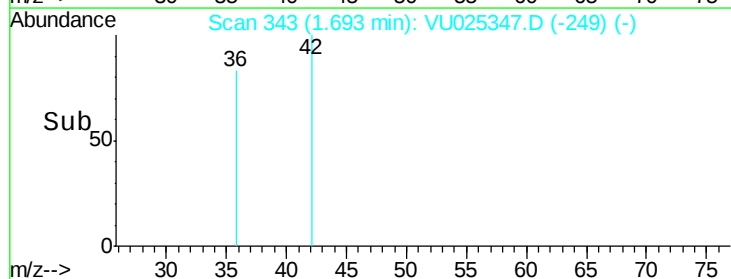
150

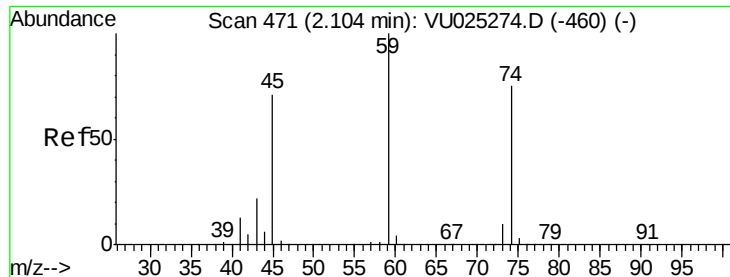
100

50

0

Time--> 1.68 1.69 1.70





#8

Diethyl Ether

Concen: 1.20 ug/l

RT: 2.10 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

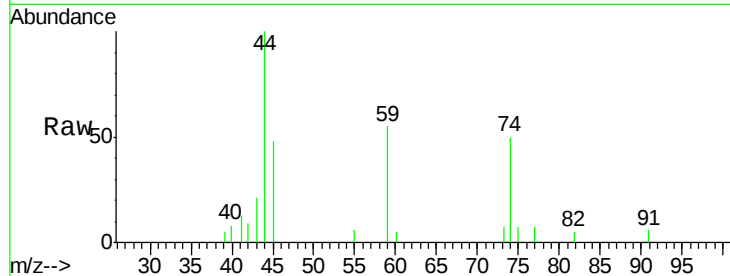
RO-1-4

Tot Ion: 74 Resp: 1575

Ion Ratio Lower Upper

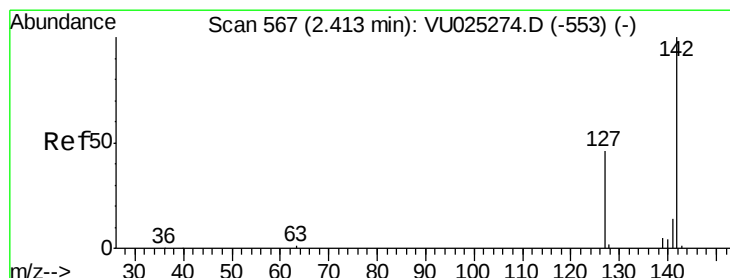
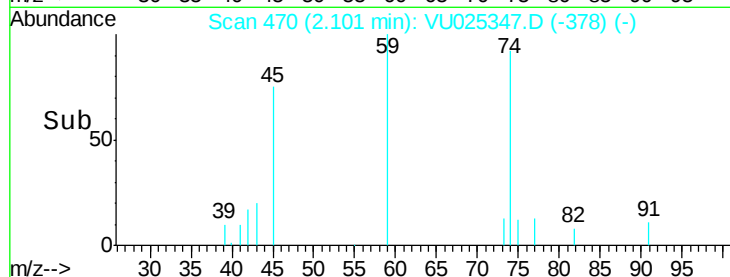
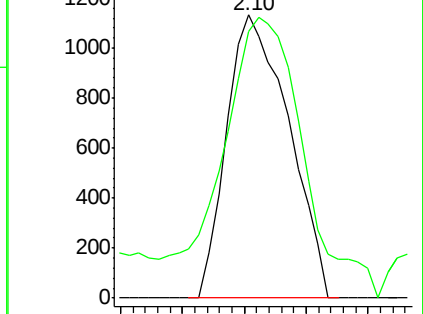
74 100

45 128.8 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



#10

Methyl Iodide

Concen: 7.78 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

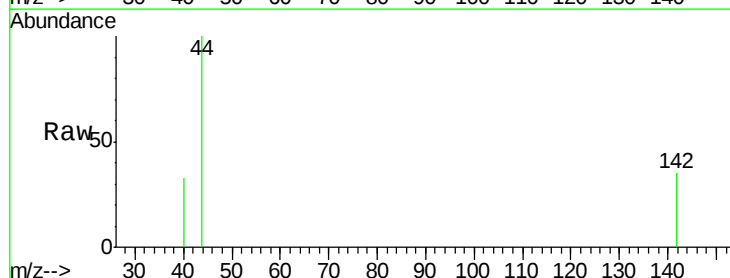
Tgt Ion: 142 Resp: 203

Ion Ratio Lower Upper

142 100

127 0.0 36.5 54.7#

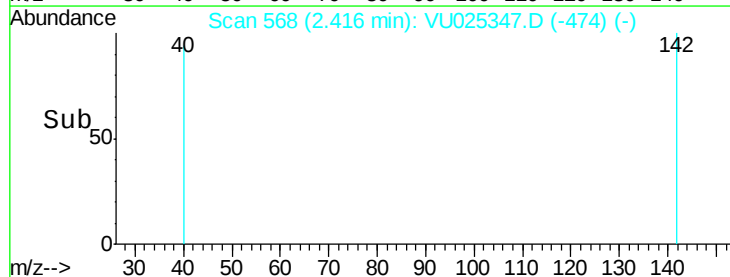
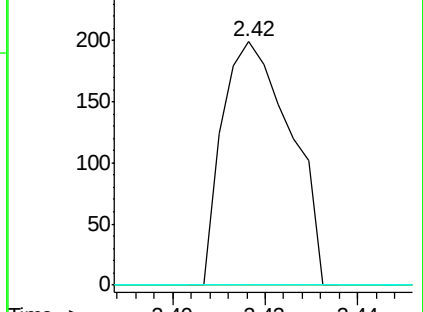
141 0.0 11.4 17.2#

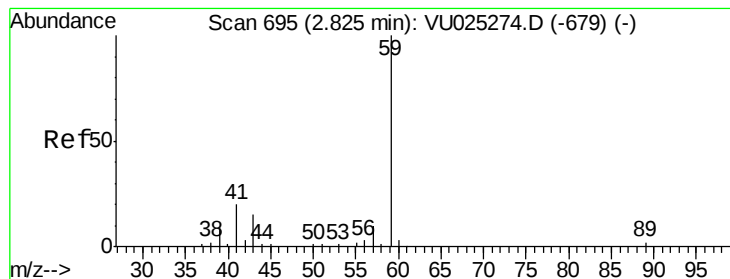


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



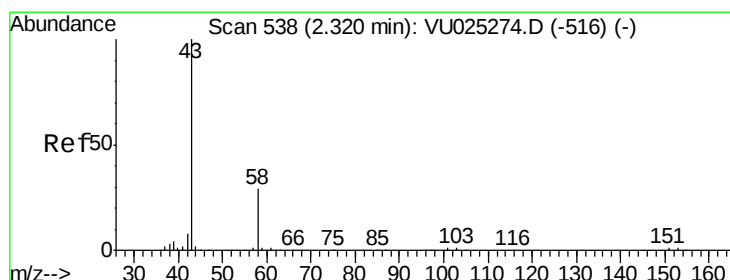
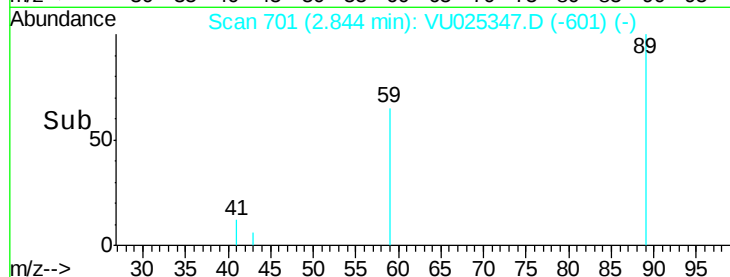
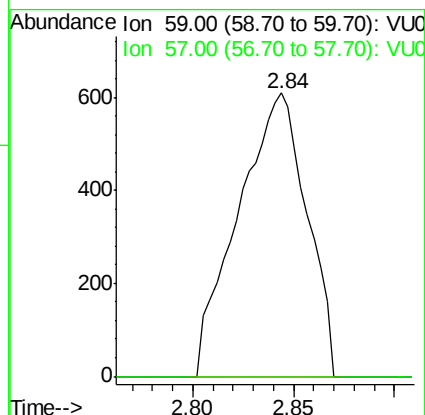
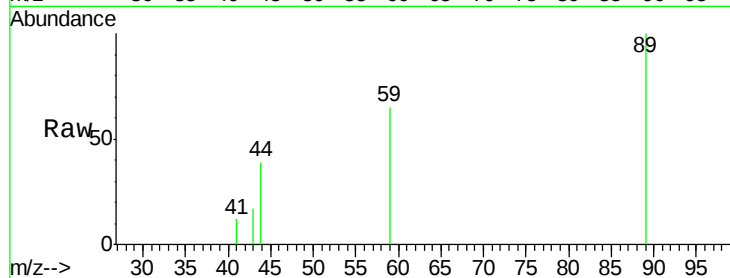


#11

Tert butyl alcohol
 Concen: 2.17 ug/l
 RT: 2.84 min Scan# 701
 Delta R.T. 0.02 min
 Lab File: VU025347.D
 Acq: 12 Jul 2018 18:20

Instrument :
 MSVOA_U
 ClientSampleId :
 RO-1-4

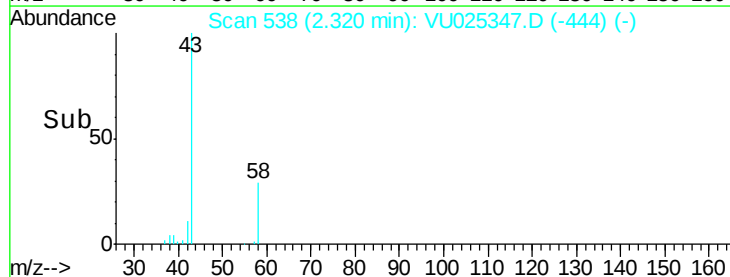
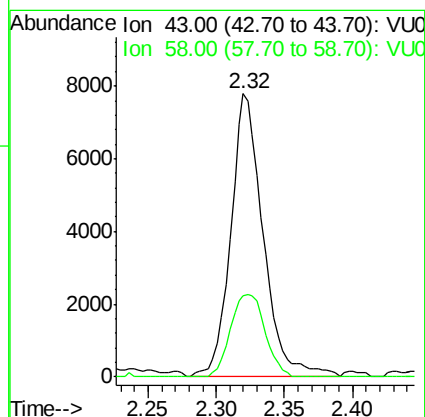
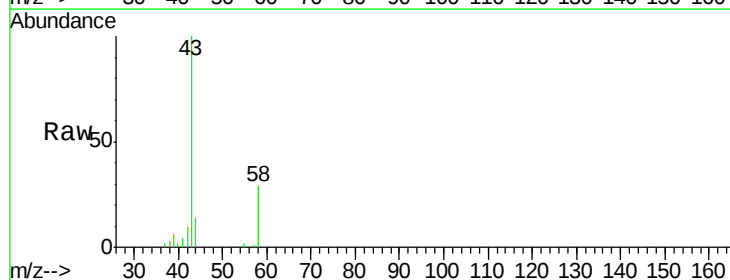
Tot Ion: 59 Resp: 1436
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

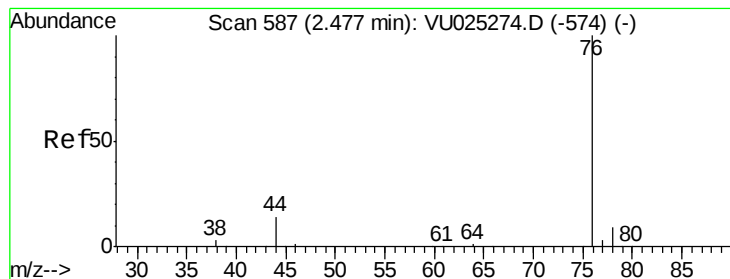


#16

Acetone
 Concen: 13.00 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU025347.D
 Acq: 12 Jul 2018 18:20

Tgt Ion: 43 Resp: 12861
 Ion Ratio Lower Upper
 43 100
 58 28.6 23.1 34.7





#17

Carbon Disulfide

Concen: 2.02 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

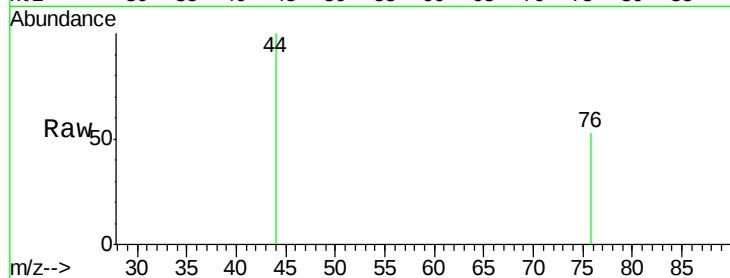
RO-1-4

Tot Ion: 76 Resp: 513

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

400

300

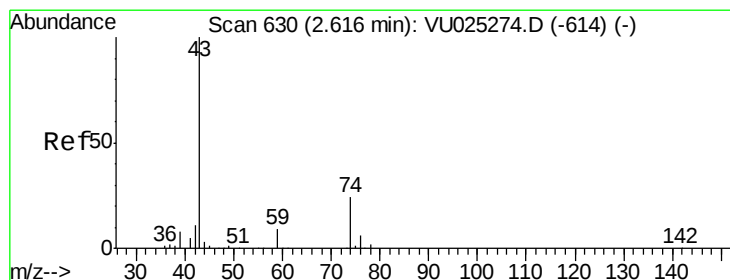
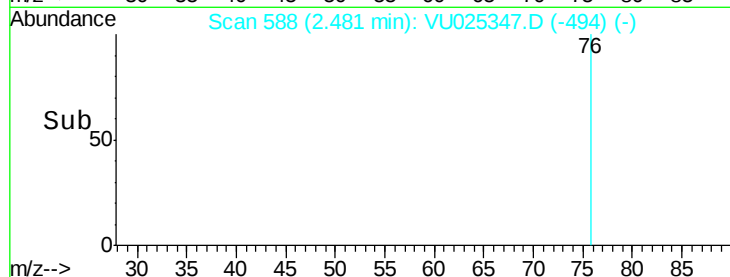
200

100

0

2.46 2.48 2.50

Time-->



#18

Methyl Acetate

Concen: 5.48 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025347.D

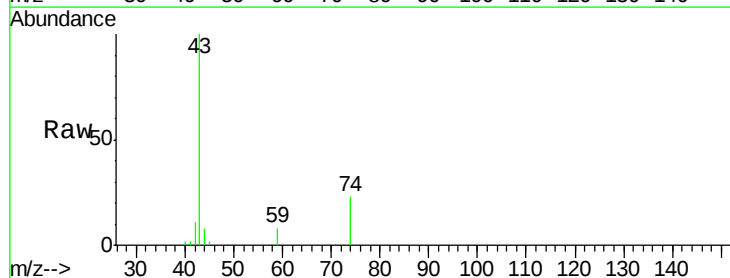
Acq: 12 Jul 2018 18:20

Tgt Ion: 43 Resp: 17027

Ion Ratio Lower Upper

43 100

74 22.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

10000

8000

6000

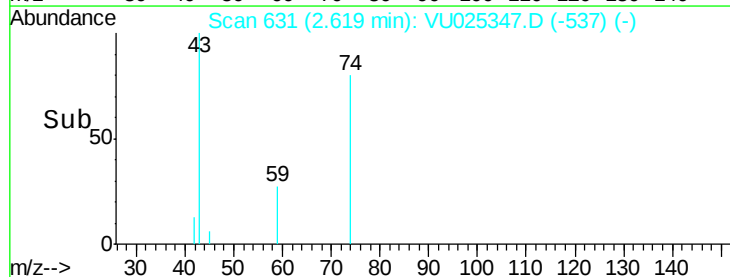
4000

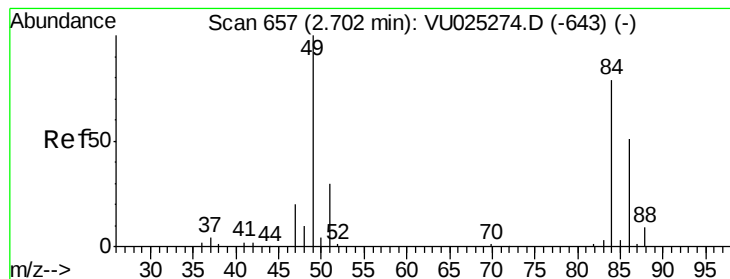
2000

0

2.55 2.60 2.65 2.70

Time-->





#20

Methvlene Chloride

Concen: 23.40 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

RO-1-4

Tot Ion: 84 Resp: 54093

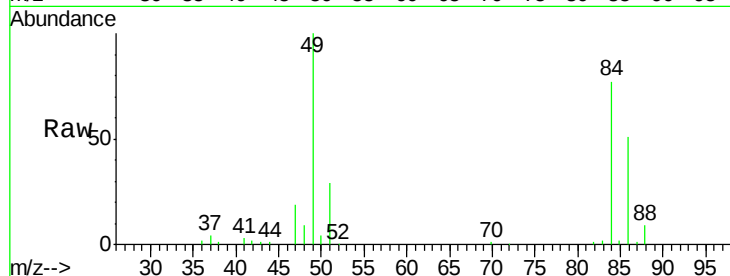
Ion Ratio Lower Upper

84 100

49 130.7 101.8 152.6

51 37.9 30.8 46.2

86 66.7 51.9 77.9

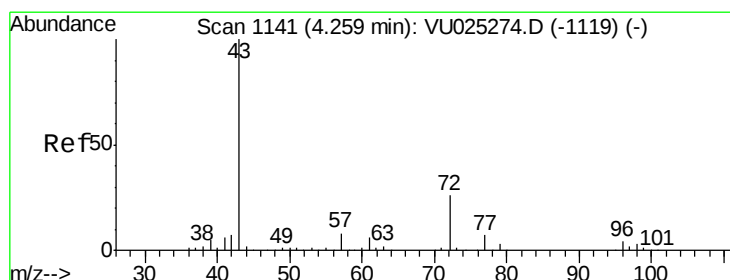
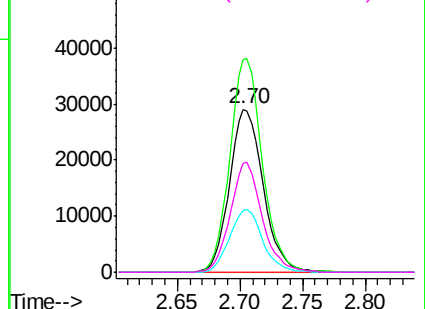
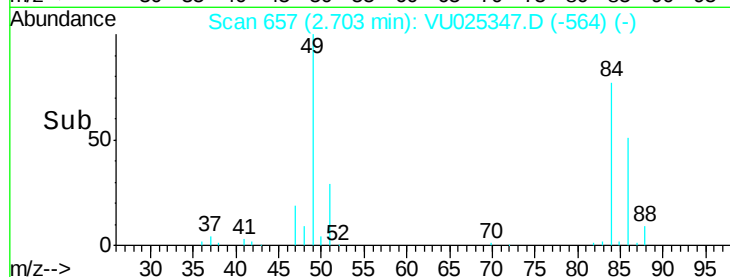


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#25

2-Butanone

Concen: 1.47 ug/l

RT: 4.28 min Scan# 1148

Delta R.T. 0.02 min

Lab File: VU025347.D

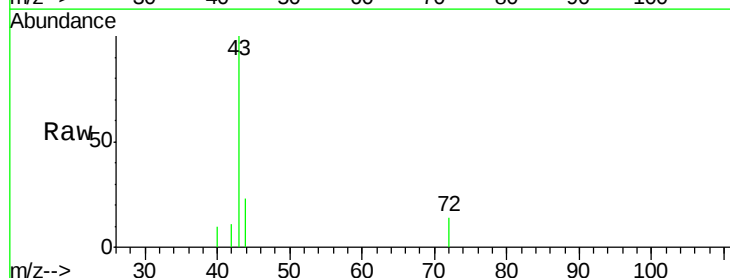
Acq: 12 Jul 2018 18:20

Tgt Ion: 43 Resp: 3087

Ion Ratio Lower Upper

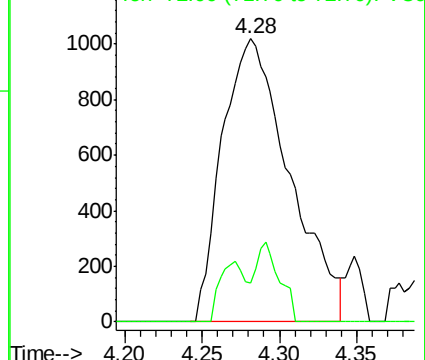
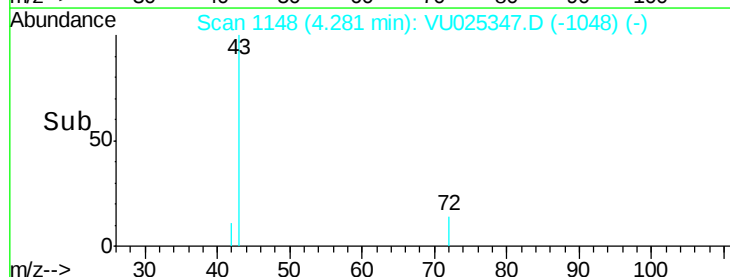
43 100

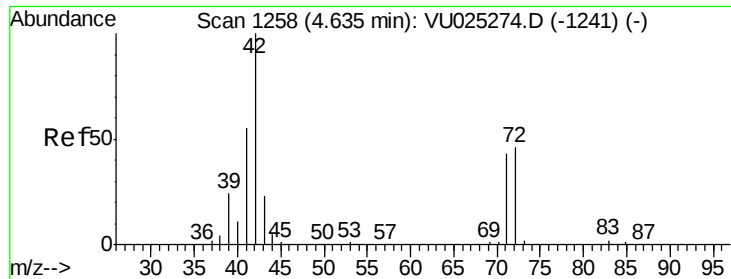
72 13.6 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#29

Tetrahydrofuran

Concen: 0.75 ug/l

RT: 4.66 min Scan# 1265

Delta R.T. 0.02 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampled :

RO-1-4

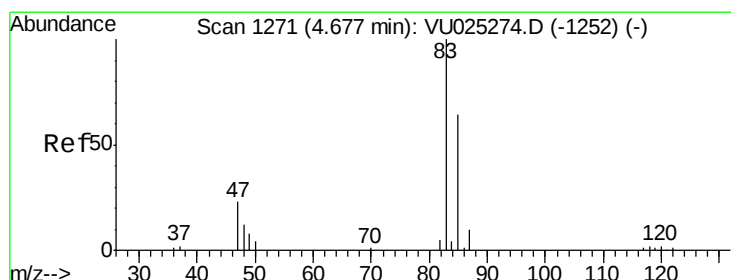
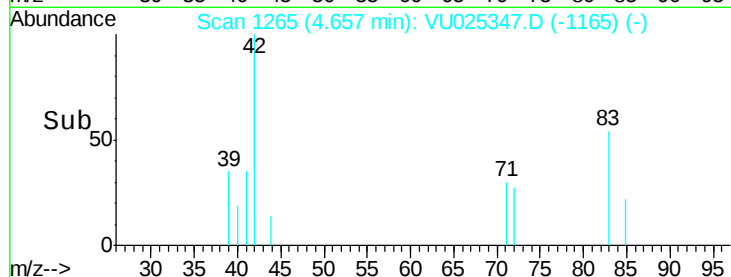
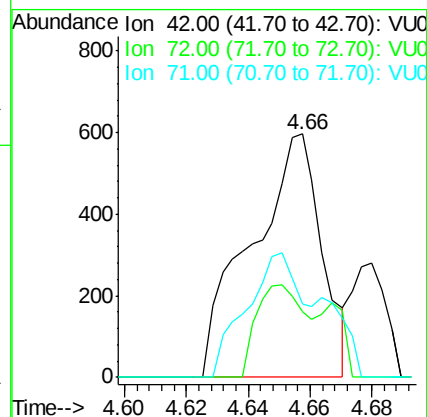
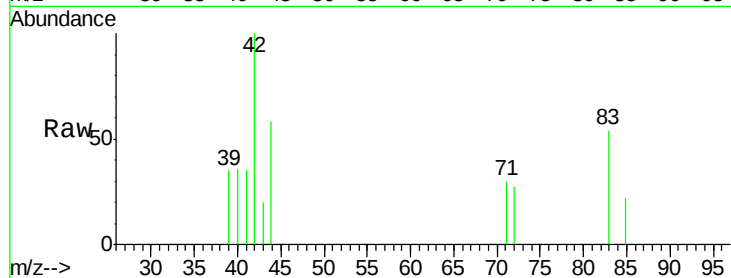
Tot Ion: 42 Resp: 941

Ion Ratio Lower Upper

42 100

72 26.1 36.7 55.1#

71 41.0 33.9 50.9



#30

Chloroform

Concen: 0.53 ug/l

RT: 4.69 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VU025347.D

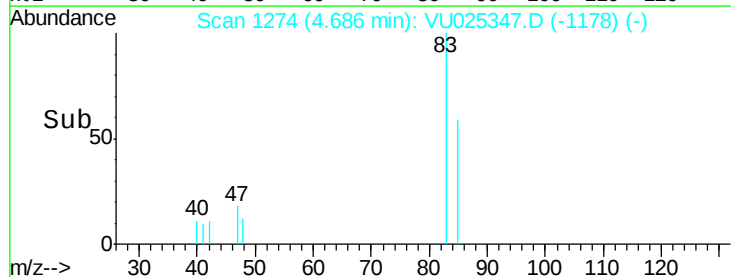
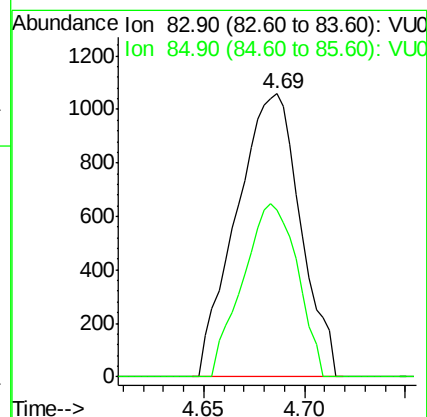
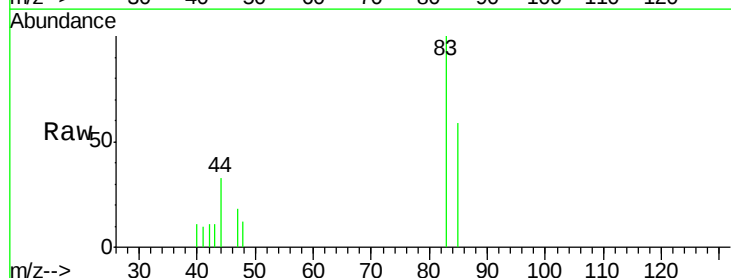
Acq: 12 Jul 2018 18:20

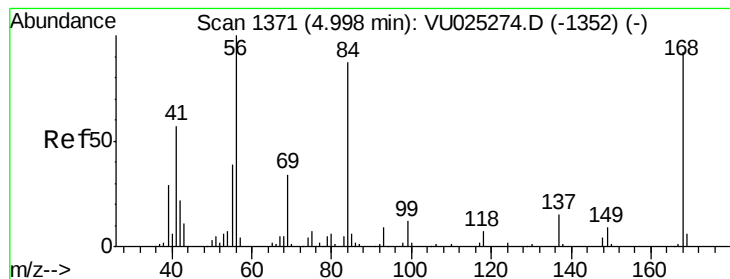
Tgt Ion: 83 Resp: 2341

Ion Ratio Lower Upper

83 100

85 59.2 51.5 77.3





#31

Cyclohexane

Concen: 1.73 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

RO-1-4

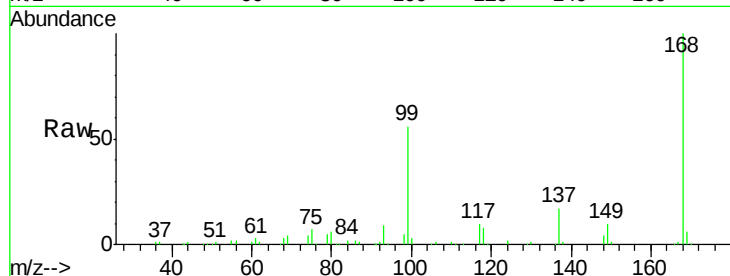
Tot Ion: 56 Resp: 3845

Ion Ratio Lower Upper

56 100

69 181.2 26.8 40.2#

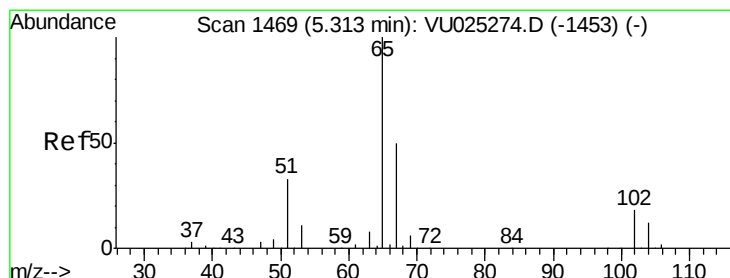
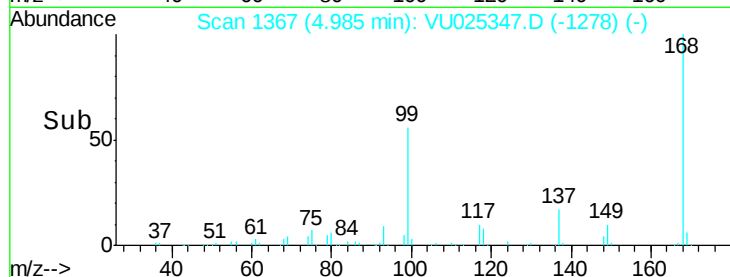
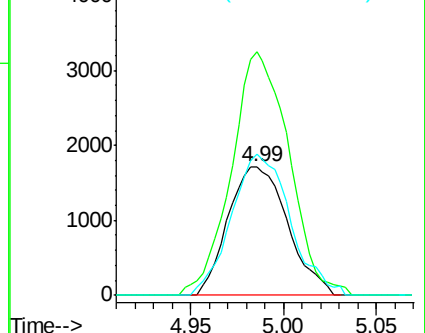
84 109.5 69.7 104.5#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 49.08 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025347.D

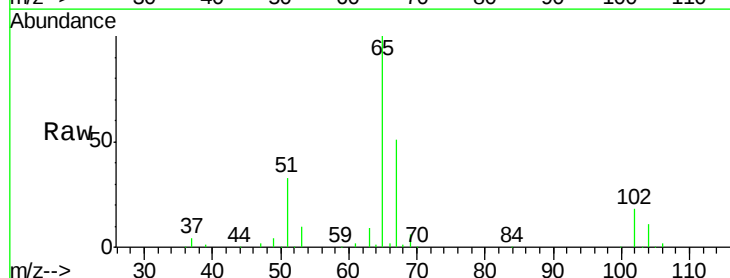
Acq: 12 Jul 2018 18:20

Tgt Ion: 65 Resp: 149072

Ion Ratio Lower Upper

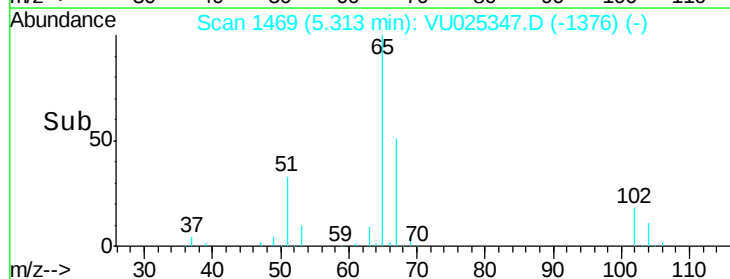
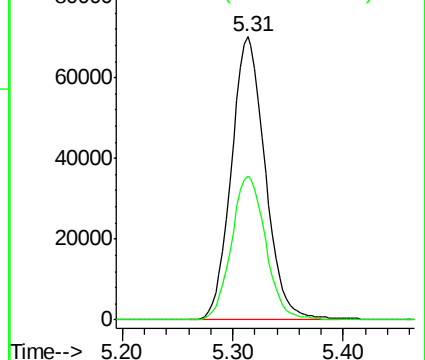
65 100

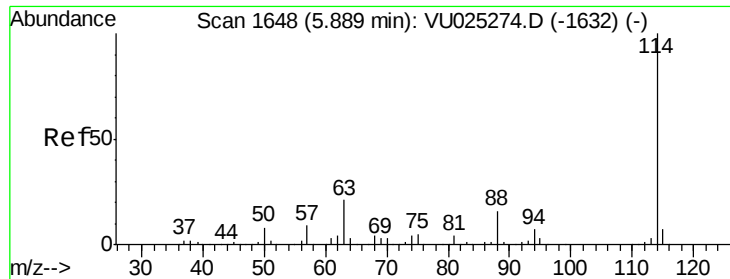
67 51.3 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

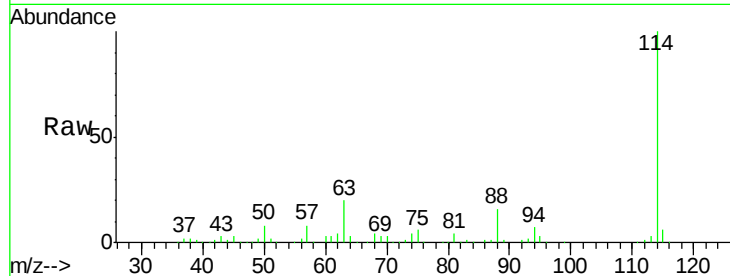




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025347.D
 Acq: 12 Jul 2018 18:20

Instrument :
 MSVOA_U
 ClientSampleId :
 RO-1-4

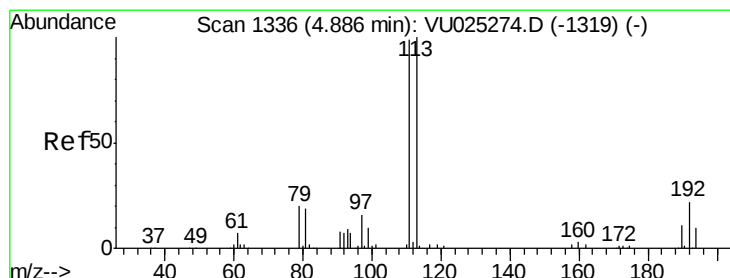
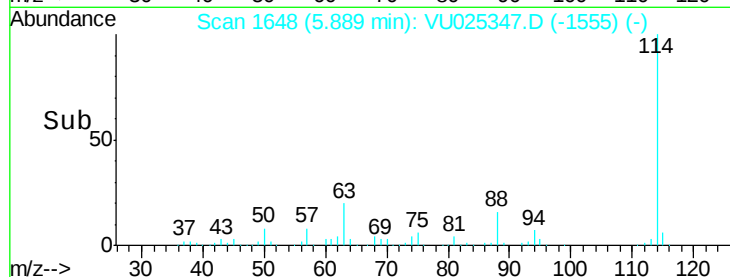
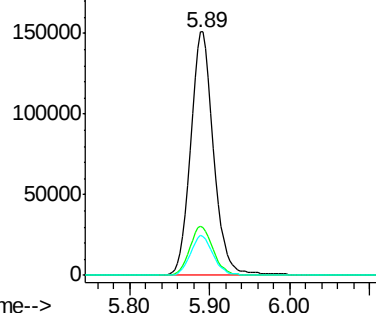
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.6
88	16.2	0.0	32.4



Abundance Ion 113.90 (113.60 to 114.60): V

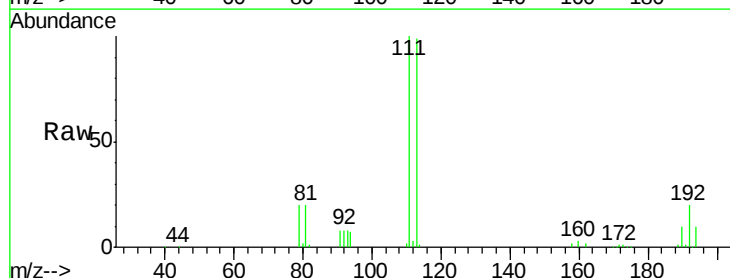
Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35
 Dibromofluoromethane
 Concen: 46.08 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025347.D
 Acq: 12 Jul 2018 18:20

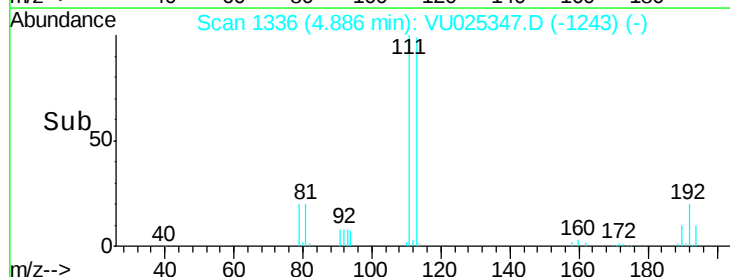
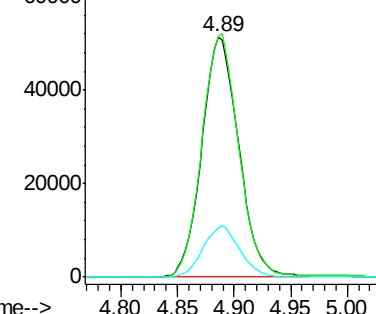
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.7	122.5
192	20.9	17.1	25.7

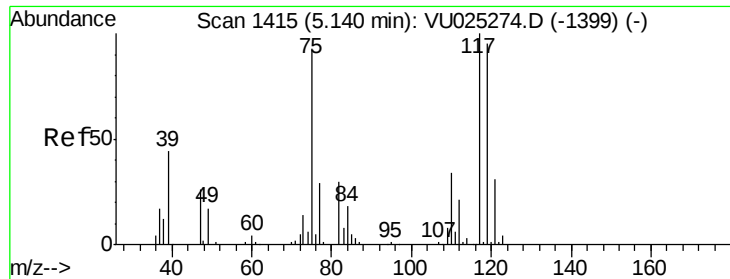


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

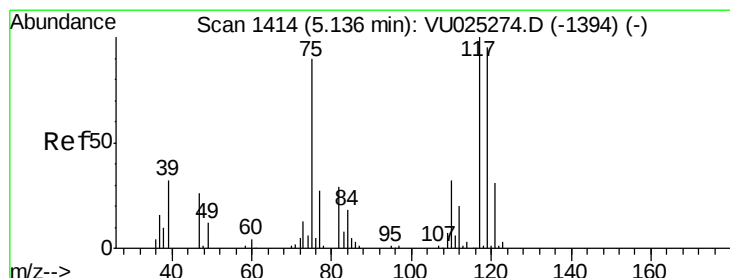
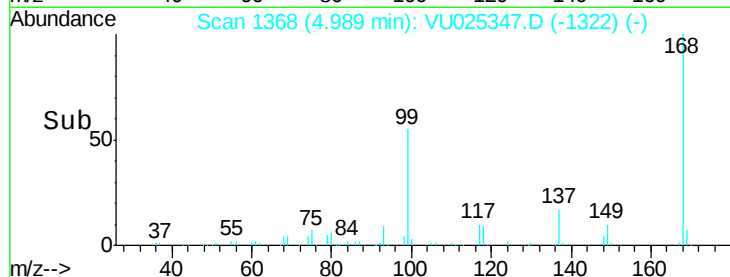
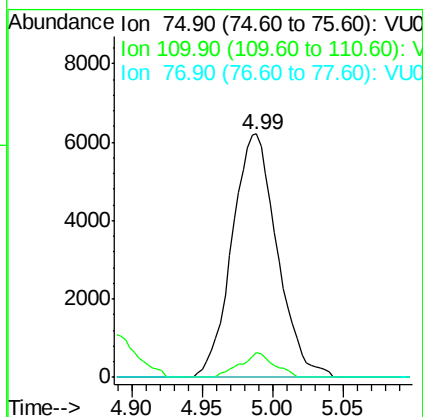
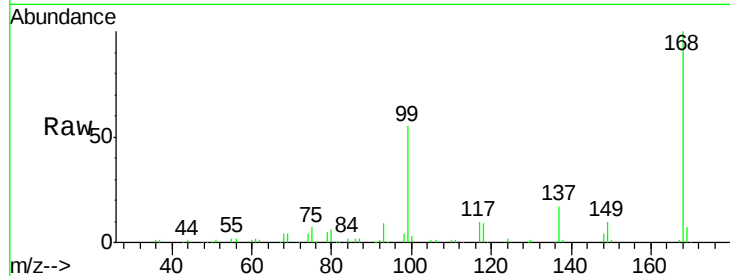




#36
 1,1-Dichloropropene
 Concen: 4.16 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025347.D
 Acq: 12 Jul 2018 18:20

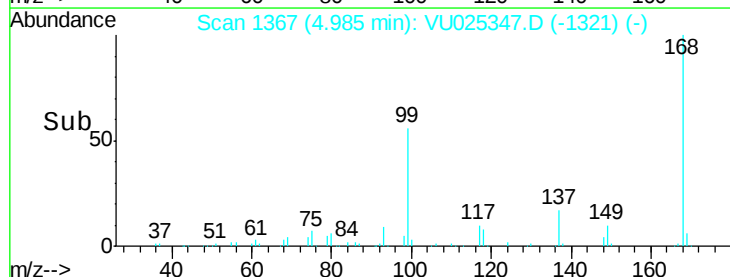
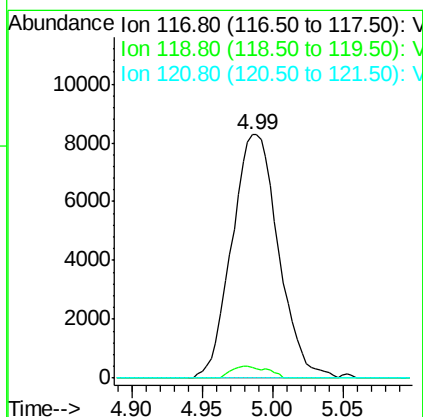
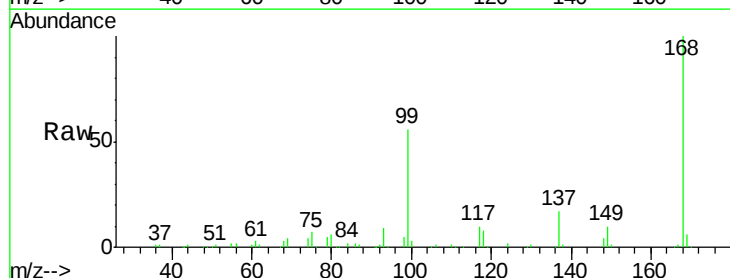
Instrument :
 MSVOA_U
 ClientSampleId :
 RO-1-4

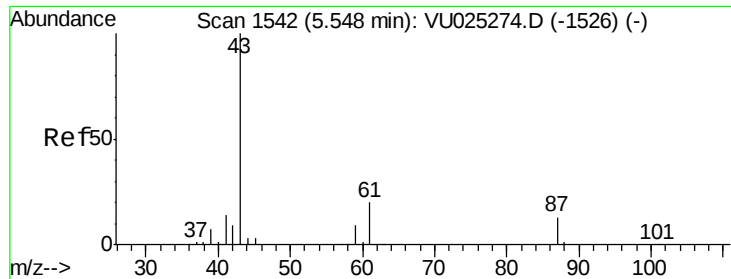
Tot Ion: 75 Resp: 13882
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.6 52.9#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.32 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025347.D
 Acq: 12 Jul 2018 18:20

Tgt Ion: 117 Resp: 19105
 Ion Ratio Lower Upper
 117 100
 119 4.6 75.7 113.5#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 2.82 ug/l

RT: 5.82 min Scan# 1628

Delta R.T. 0.28 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

RO-1-4

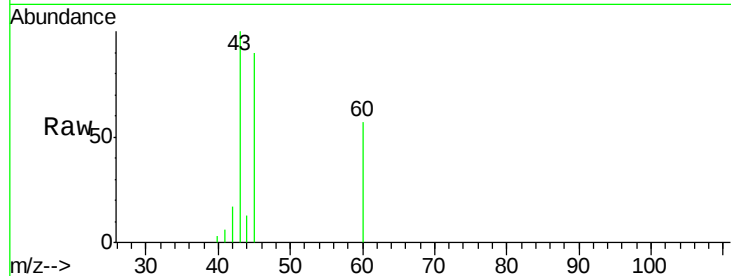
Tot Ion: 43 Resp: 16783

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

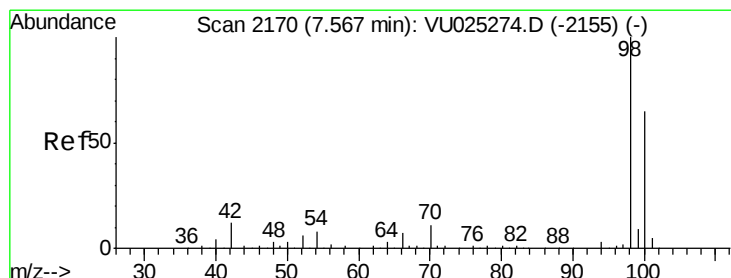
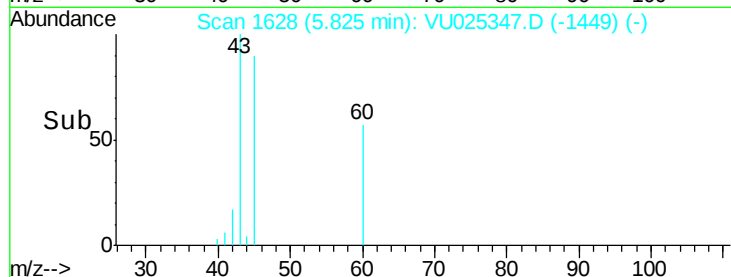
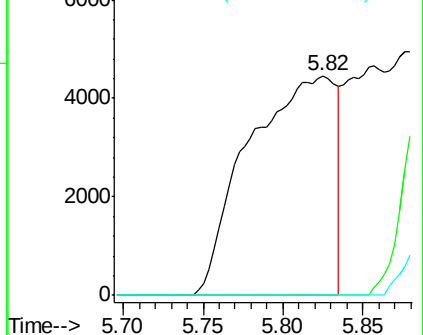
87 0.0 10.6 16.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#50

Toluene-d8

Concen: 49.08 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025347.D

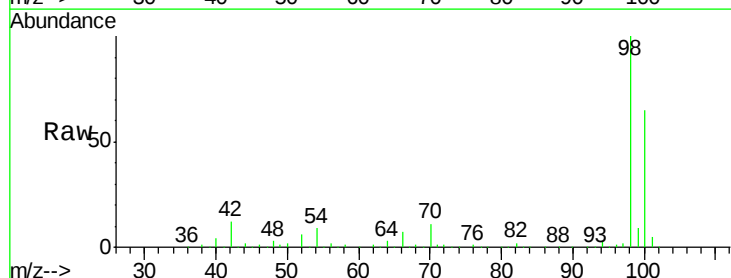
Acq: 12 Jul 2018 18:20

Tgt Ion: 98 Resp: 425366

Ion Ratio Lower Upper

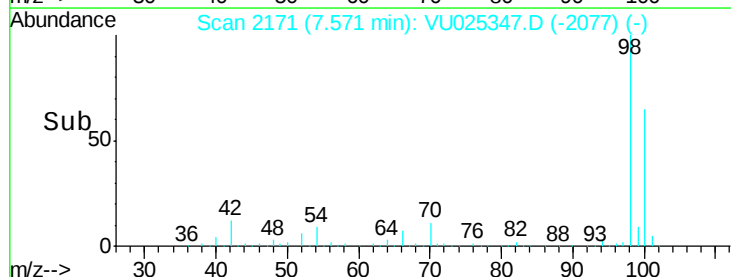
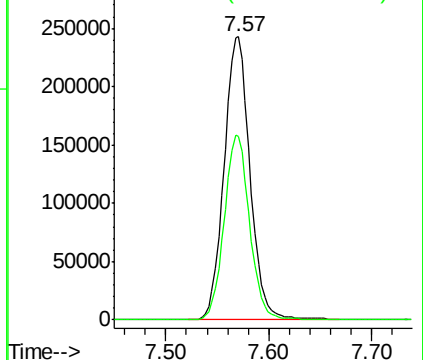
98 100

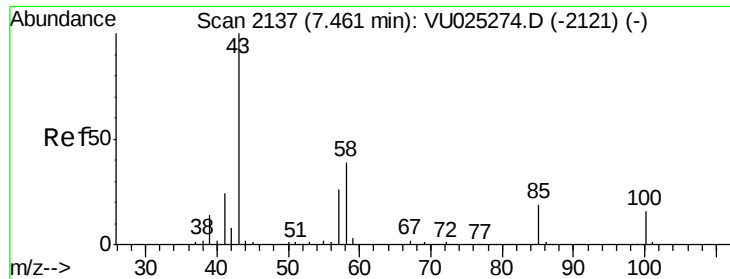
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 0.52 ug/l

RT: 7.47 min Scan# 2139

Delta R.T. 0.01 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampled :

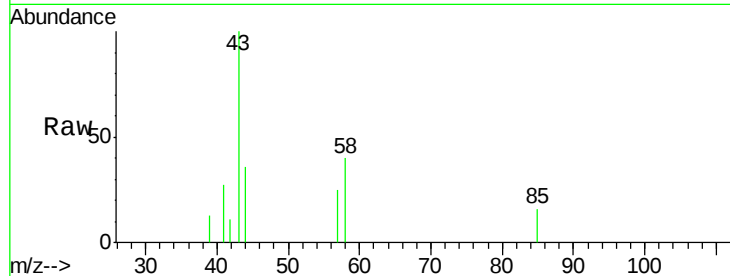
RO-1-4

Tot Ion: 43 Resp: 2007

Ion Ratio Lower Upper

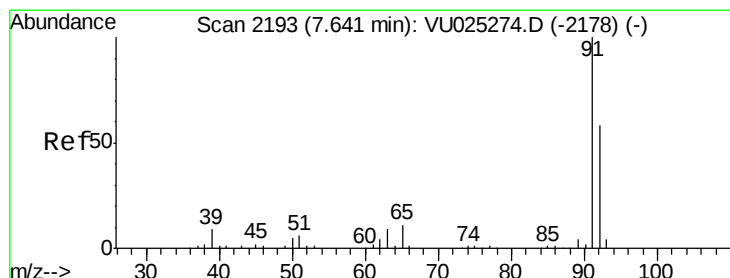
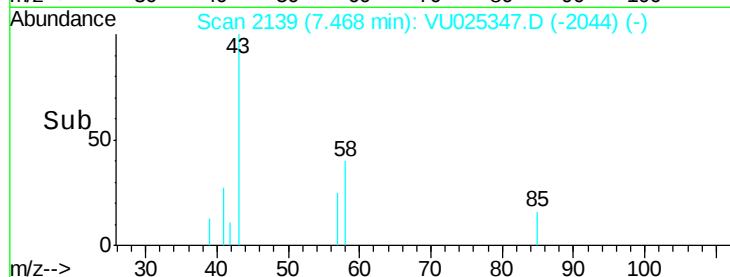
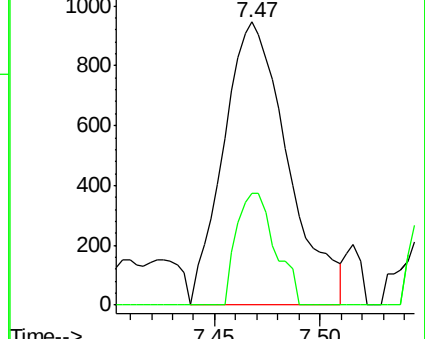
43 100

58 23.8 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 0.65 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU025347.D

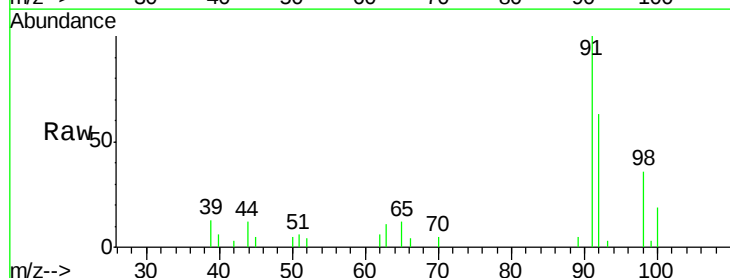
Acq: 12 Jul 2018 18:20

Tgt Ion: 92 Resp: 3998

Ion Ratio Lower Upper

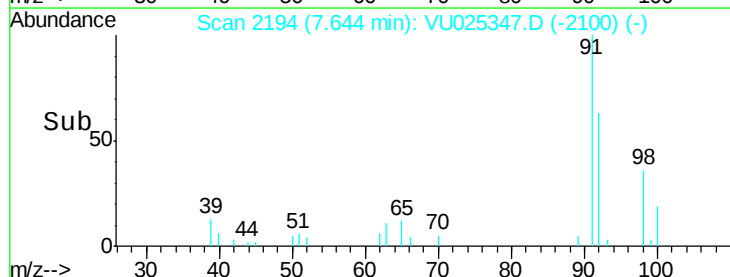
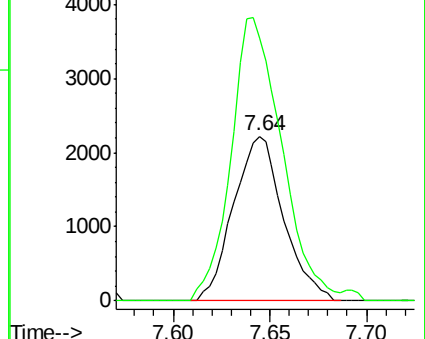
92 100

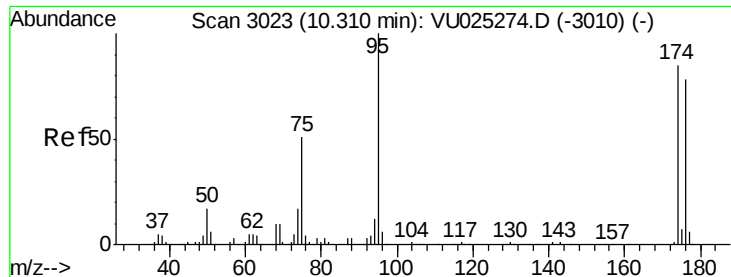
91 173.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#62

4-Bromofluorobenzene

Concen: 44.96 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

RO-1-4

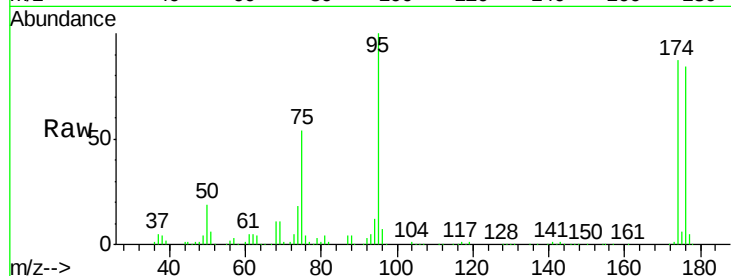
Tot Ion: 95 Resp: 156869

Ion Ratio Lower Upper

95 100

174 86.3 0.0 172.2

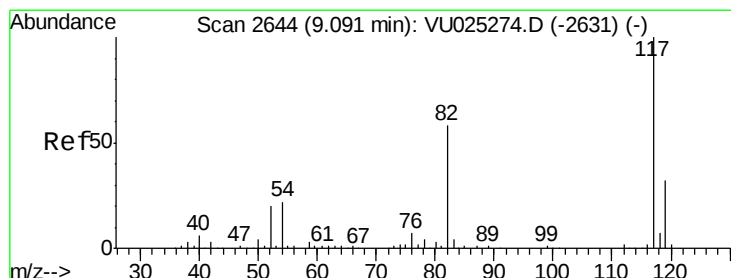
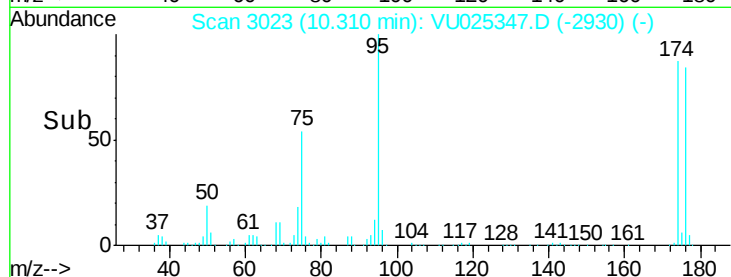
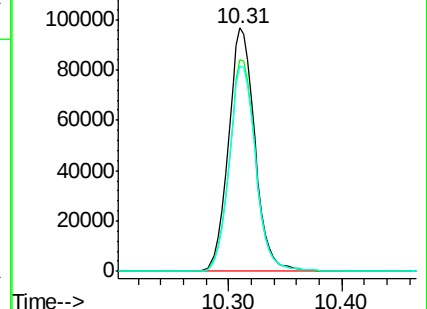
176 84.7 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025347.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025347.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025347.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

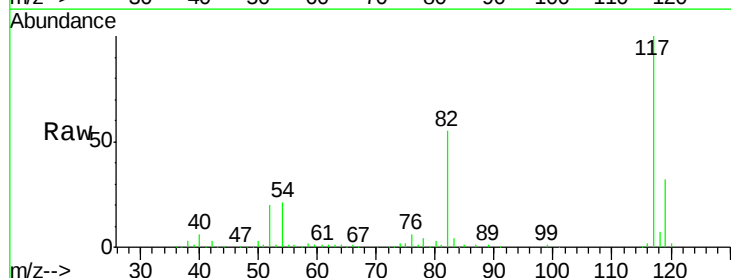
Tgt Ion: 117 Resp: 275197

Ion Ratio Lower Upper

117 100

82 55.3 46.0 69.0

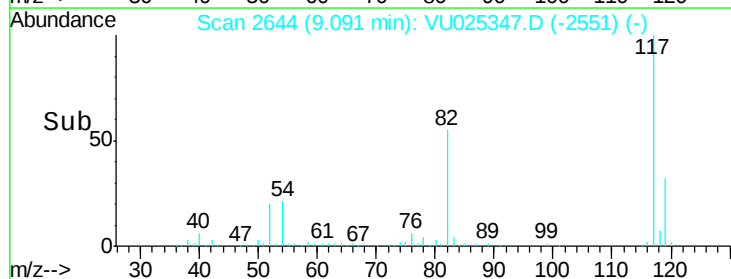
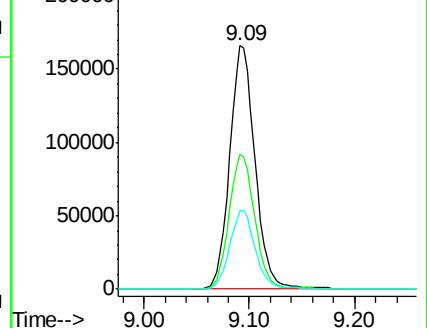
119 32.0 26.0 39.0

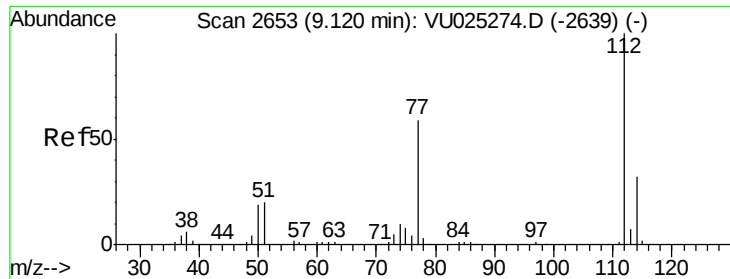


Abundance Ion 116.90 (116.60 to 117.60): VU025347.D (-2551) (-)

Ion 82.00 (81.70 to 82.70): VU025347.D (-2551) (-)

Ion 118.90 (118.60 to 119.60): VU025347.D (-2551) (-)





#65

Chlorobenzene

Concen: 0.21 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampled :

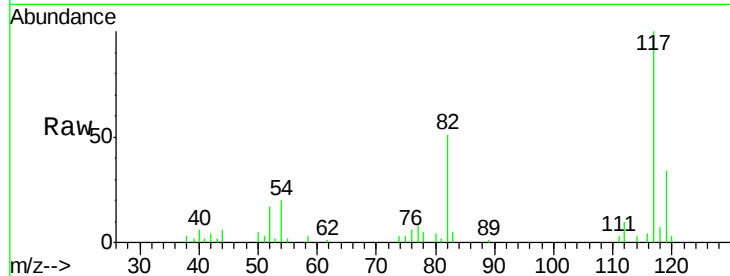
RO-1-4

Tot Ion:112 Resp: 1457

Ion Ratio Lower Upper

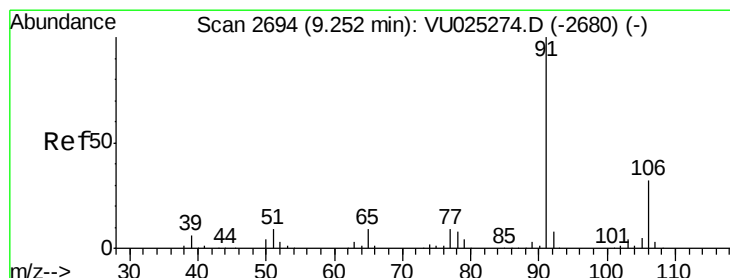
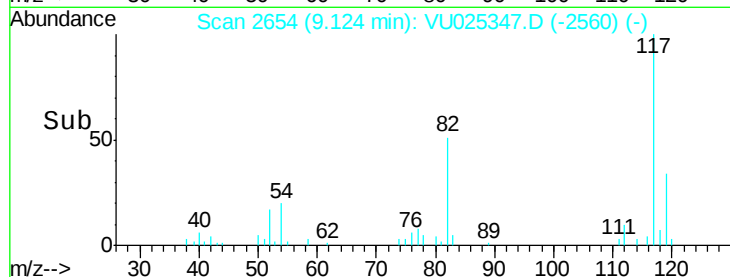
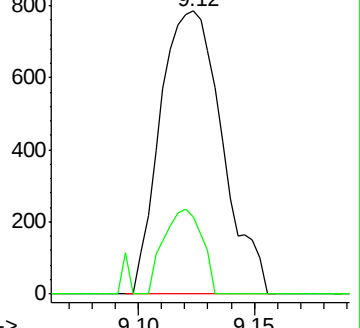
112 100

114 27.4 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 0.93 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025347.D

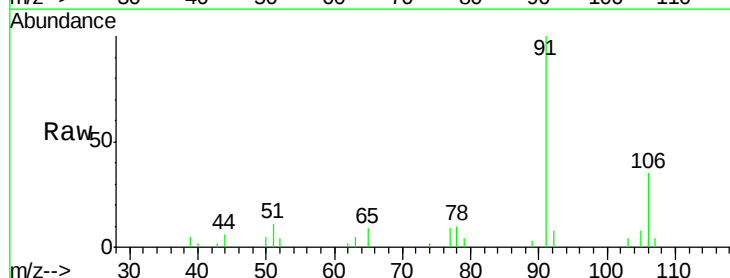
Acq: 12 Jul 2018 18:20

Tgt Ion: 91 Resp: 10956

Ion Ratio Lower Upper

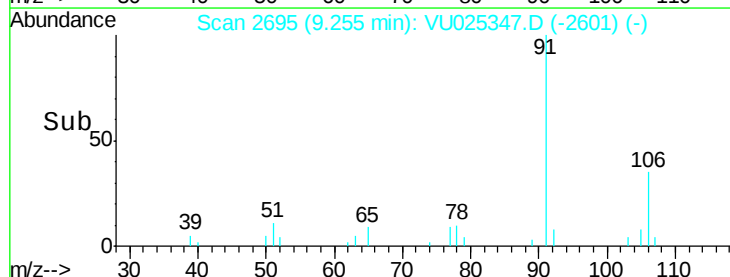
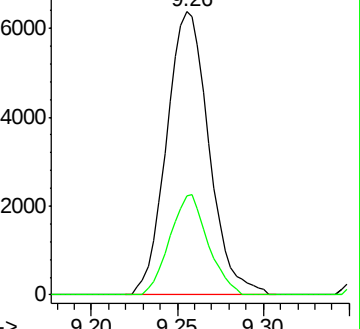
91 100

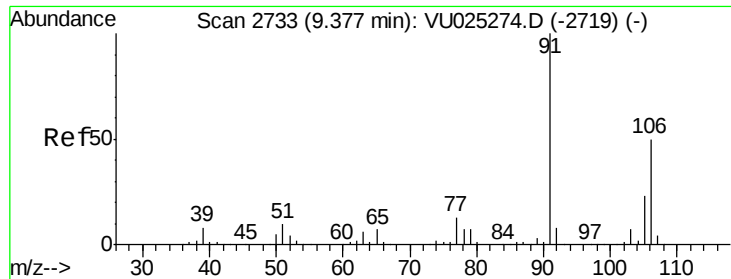
106 34.9 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

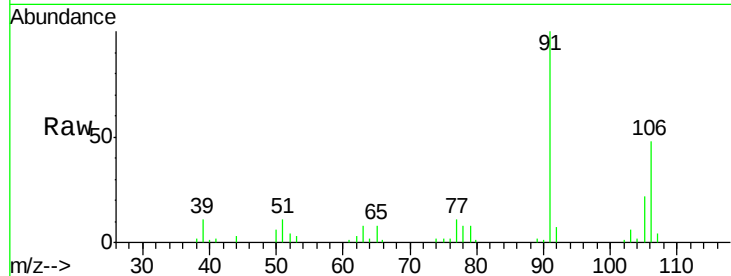




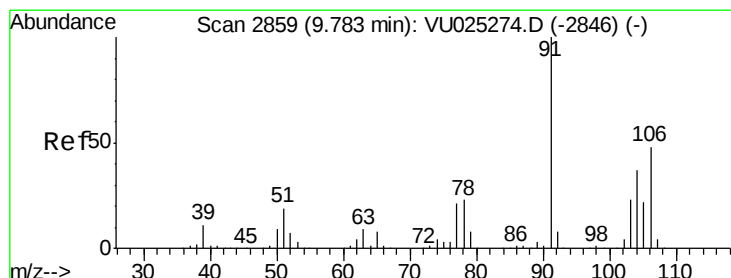
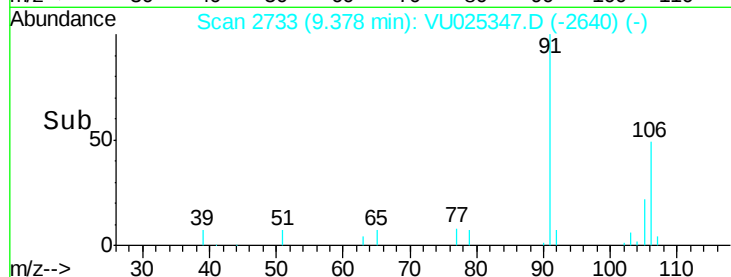
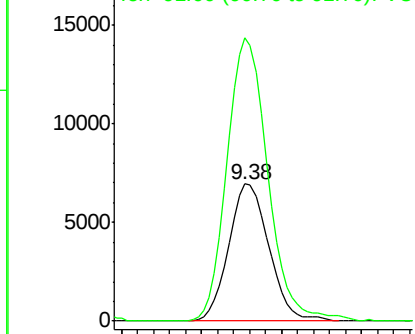
#68
m/p-Xylenes
Concen: 2.63 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025347.D
Acq: 12 Jul 2018 18:20

Instrument :
MSVOA_U
ClientSampleId :
RO-1-4

Tot Ion:106 Resp: 11924
Ion Ratio Lower Upper
106 100
91 209.4 162.3 243.5

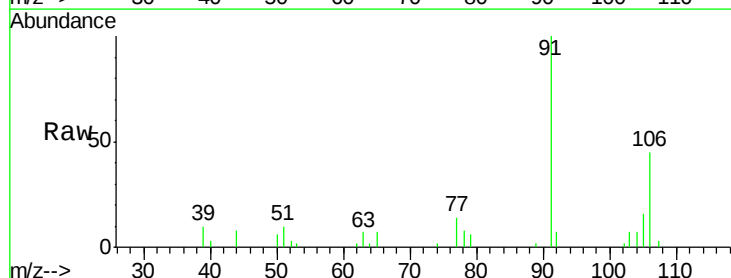


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

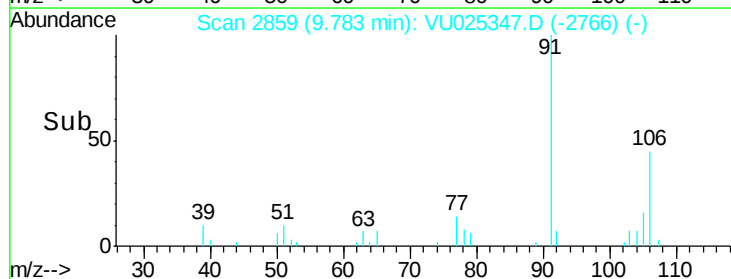
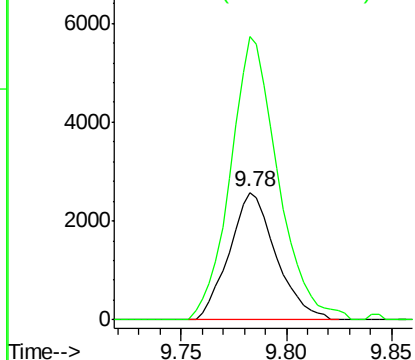


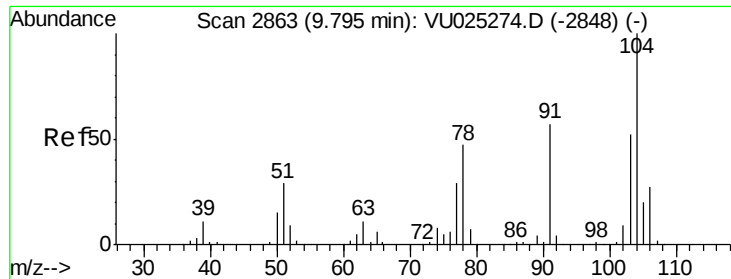
#69
o-Xylene
Concen: 0.87 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025347.D
Acq: 12 Jul 2018 18:20

Tgt Ion:106 Resp: 3958
Ion Ratio Lower Upper
106 100
91 226.7 105.3 315.8



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

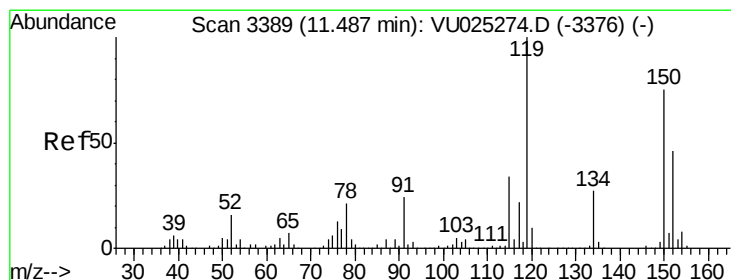
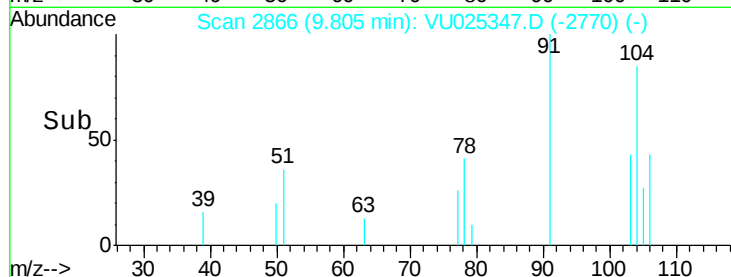
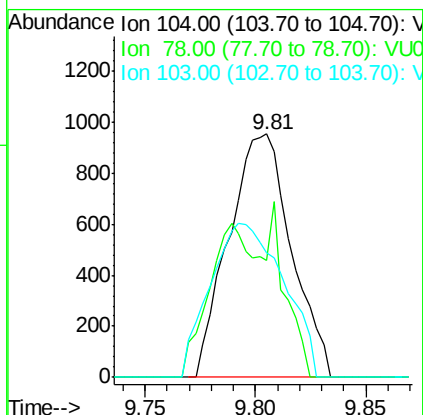
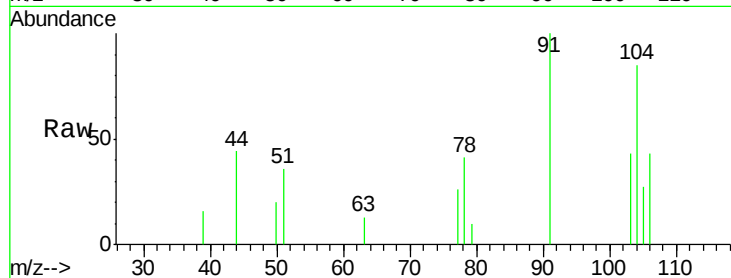




#70
Stvrene
Concen: 0.26 ug/l
RT: 9.81 min Scan# 2866
Delta R.T. 0.01 min
Lab File: VU025347.D
Acq: 12 Jul 2018 18:20

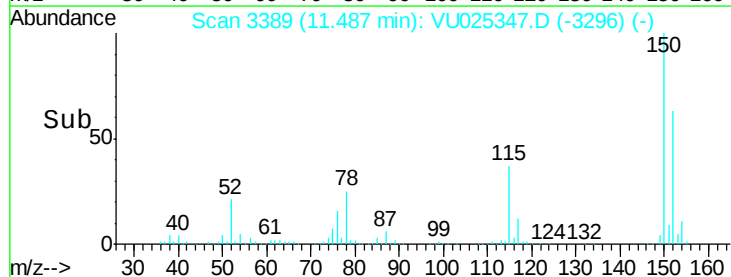
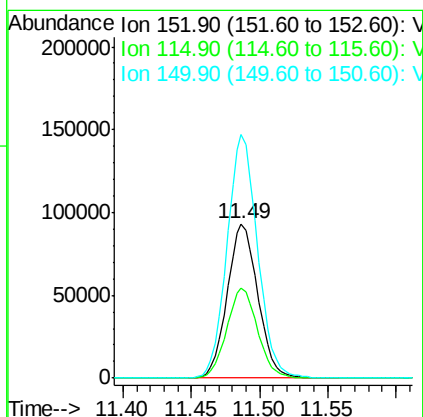
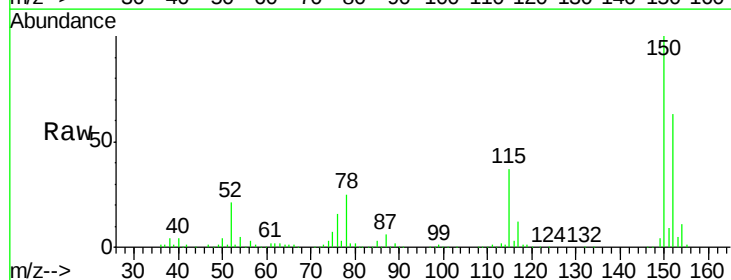
Instrument :
MSVOA_U
ClientSampleId :
RO-1-4

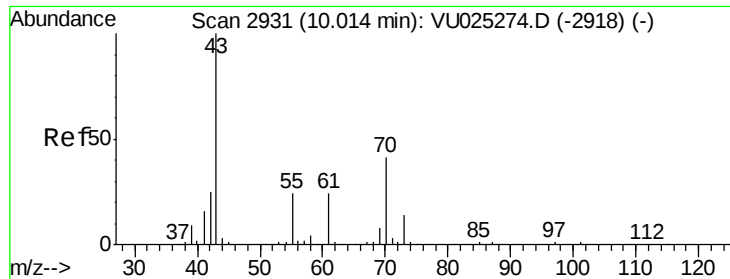
Tot Ion:104 Resp: 1873
Ion Ratio Lower Upper
104 100
78 41.8 41.6 62.4
103 74.4 44.6 66.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025347.D
Acq: 12 Jul 2018 18:20

Tgt Ion:152 Resp: 145880
Ion Ratio Lower Upper
152 100
115 58.4 40.1 120.3
150 156.6 0.0 351.4





#74

N-amvl acetate

Concen: 1.29 ug/l

RT: 10.03 min Scan# 2935

Delta R.T. 0.01 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

RO-1-4

Tot Ion: 43 Resp: 105

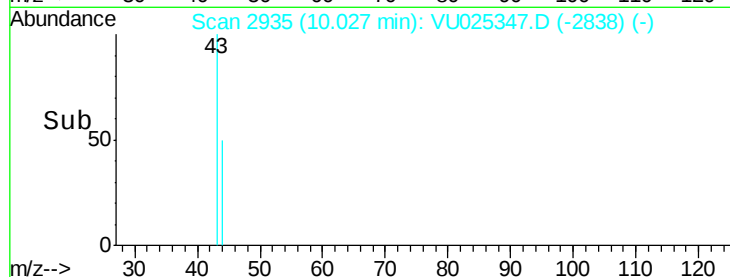
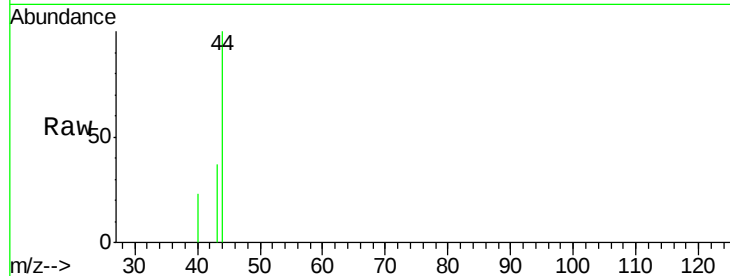
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#

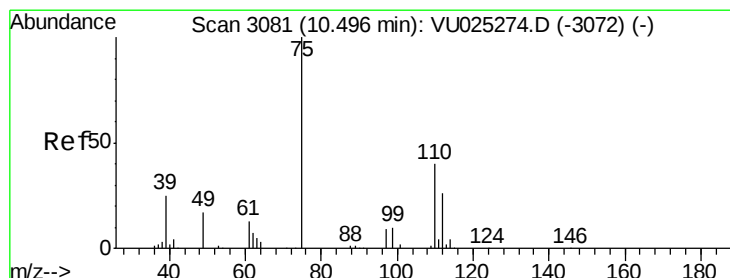
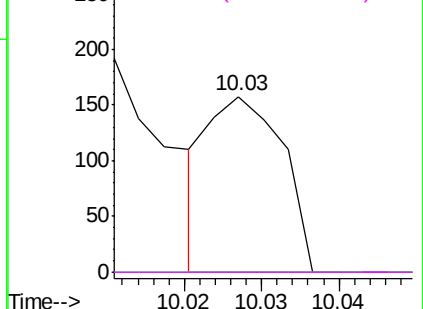


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#76

1,2,3-Trichloropropane

Concen: 27.58 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025347.D

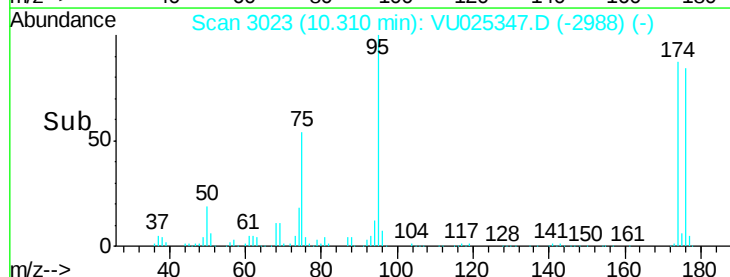
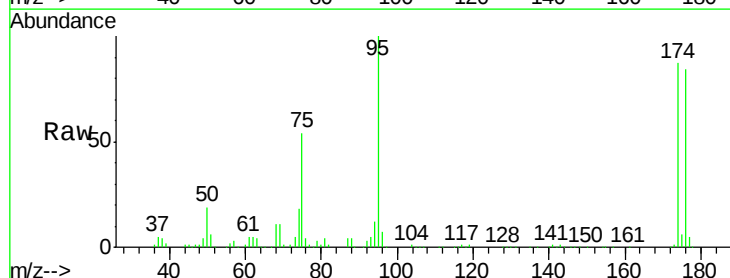
Acq: 12 Jul 2018 18:20

Tgt Ion: 75 Resp: 81830

Ion Ratio Lower Upper

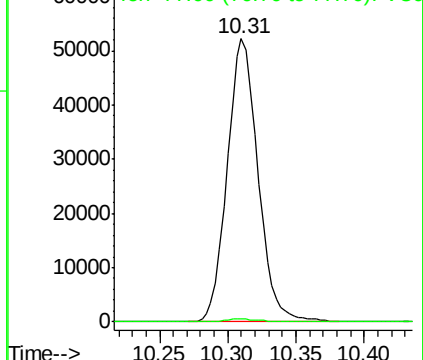
75 100

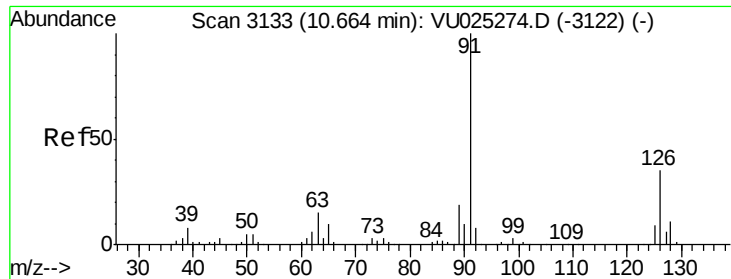
77 1.1 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#79

2-Chlorotoluene

Concen: 0.31 ug/l

RT: 10.69 min Scan# 3142

Delta R.T. 0.03 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampled :

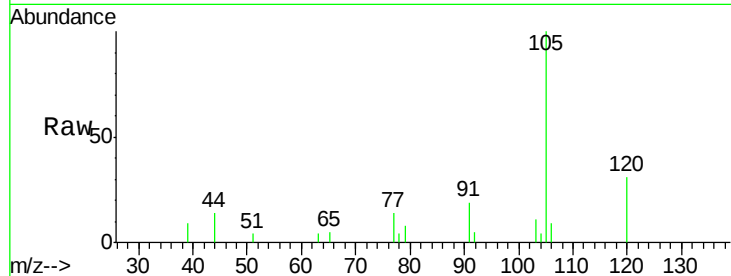
RO-1-4

Tot Ion: 91 Resp: 1170

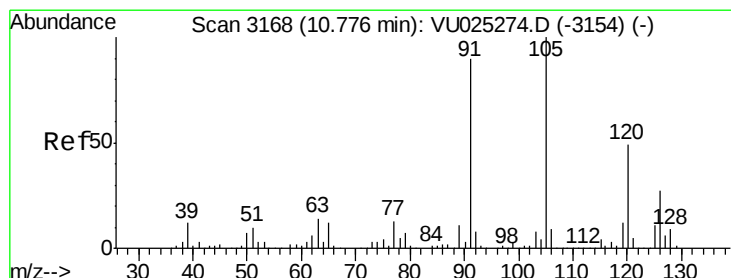
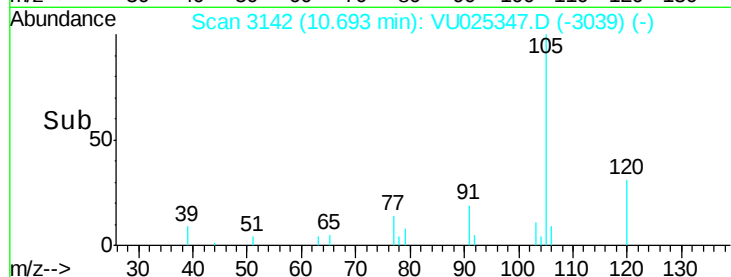
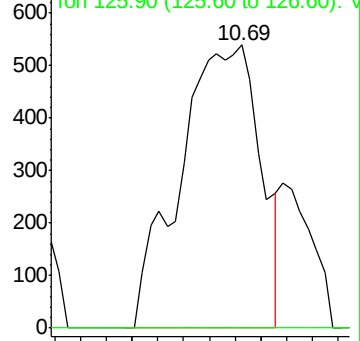
Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.6#



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



#80

1,3,5-Trimethylbenzene

Concen: 0.46 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025347.D

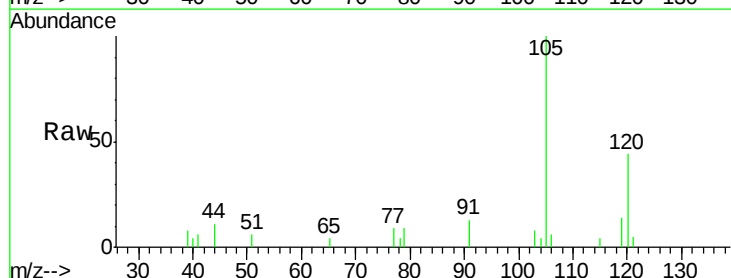
Acq: 12 Jul 2018 18:20

Tgt Ion: 105 Resp: 4332

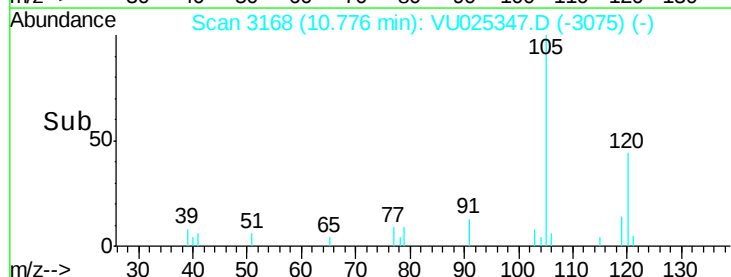
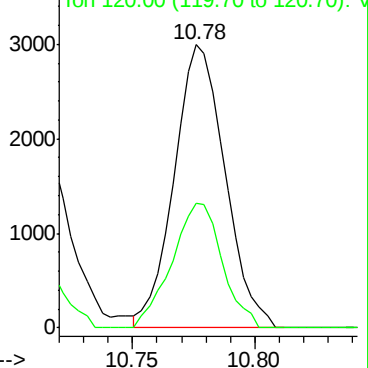
Ion Ratio Lower Upper

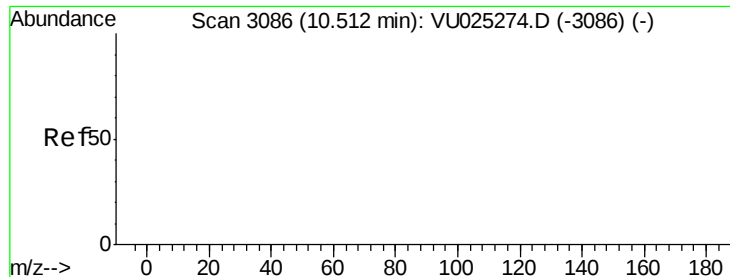
105 100

120 43.5 24.1 72.2



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





#81

trans-1,4-Dichloro-2-butene

Concen: 70.41 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

RO-1-4

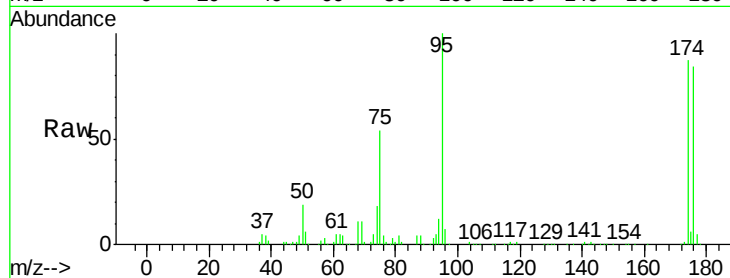
Tot Ion: 75 Resp: 81830

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

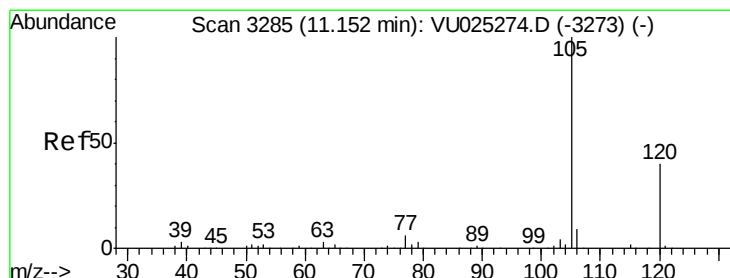
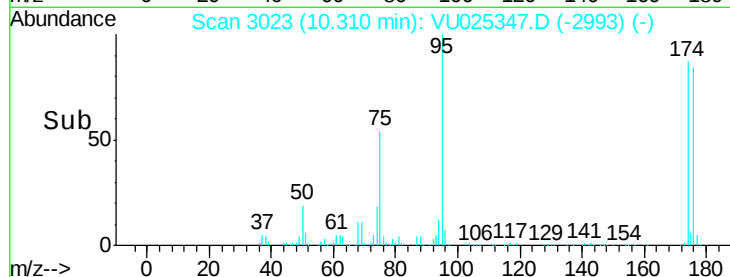
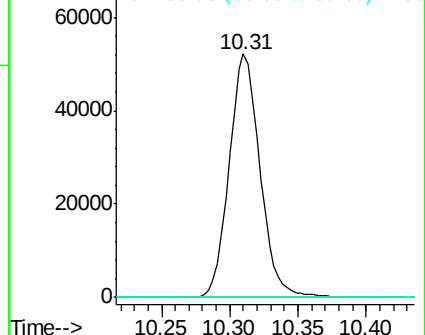
89 0.1 0.0 0.0#



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) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.54 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025347.D

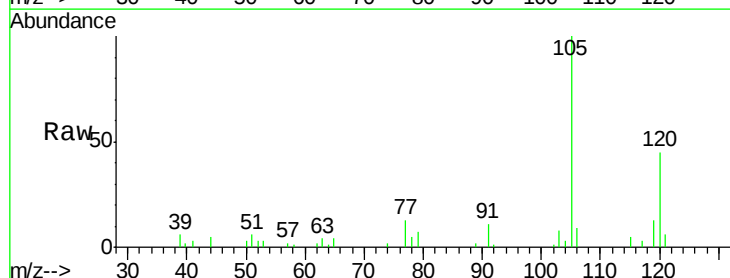
Acq: 12 Jul 2018 18:20

Tgt Ion: 105 Resp: 14843

Ion Ratio Lower Upper

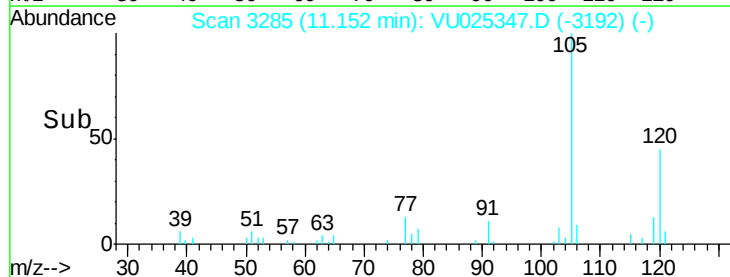
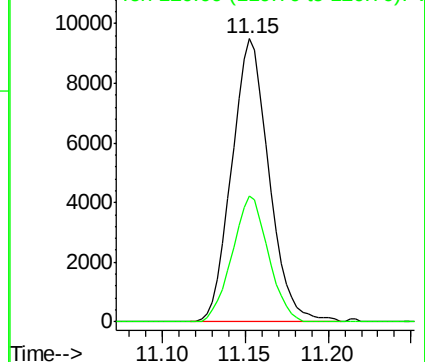
105 100

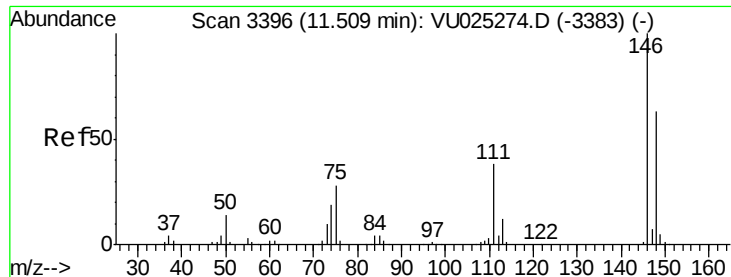
120 43.0 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): VU025274.D (-3273) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3273) (-)





#88

1,4-Dichlorobenzene

Concen: 1.53 ug/l

RT: 11.50 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampled :

RO-1-4

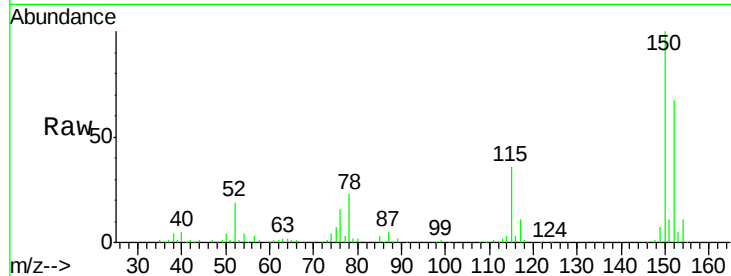
Tot Ion:146 Resp: 220

Ion Ratio Lower Upper

146 100

111 862.3 19.4 58.1#

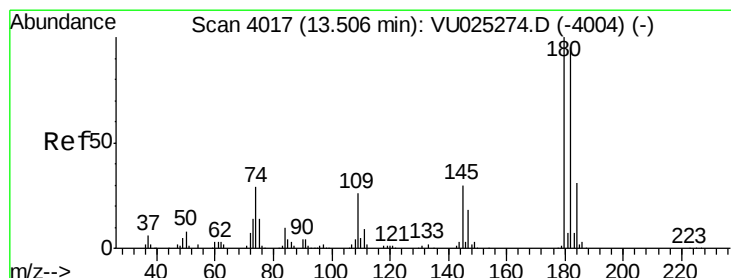
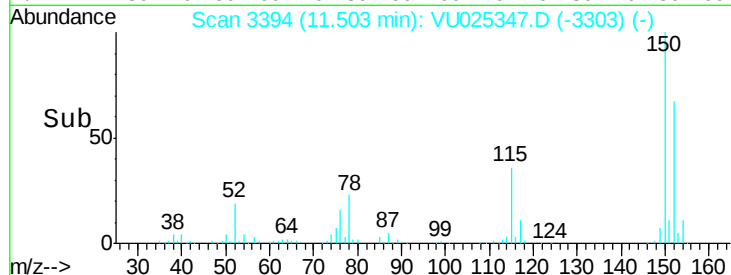
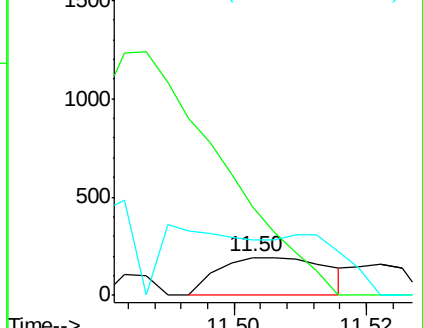
148 163.6 31.7 95.1#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 3.33 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

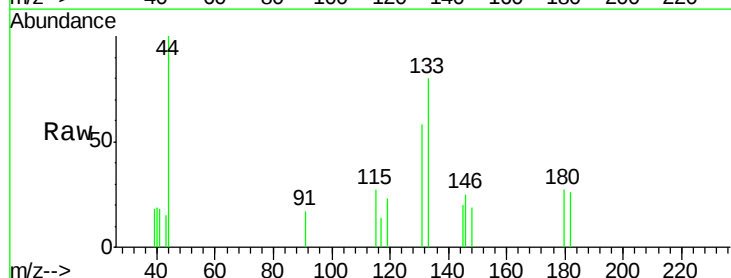
Tgt Ion:180 Resp: 169

Ion Ratio Lower Upper

180 100

182 223.7 47.3 141.9#

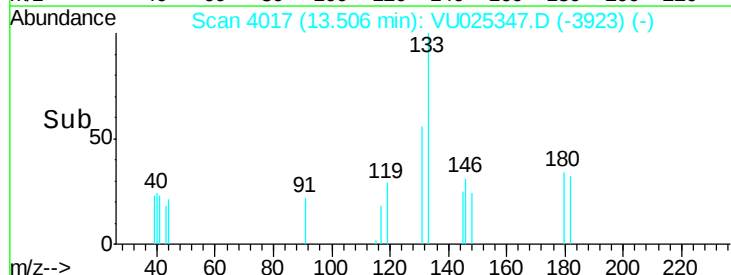
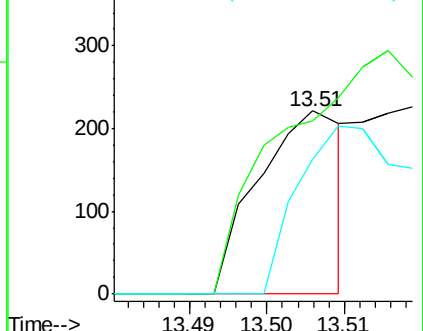
145 127.2 14.9 44.7#

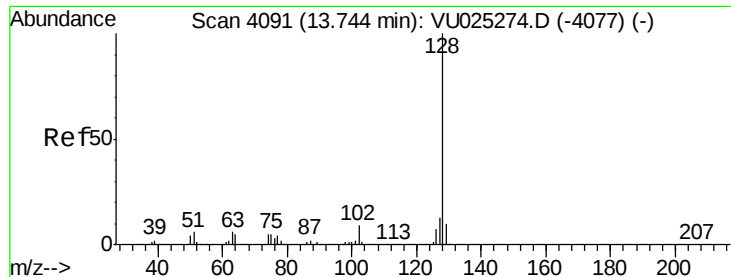


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 11.56 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

RO-1-4

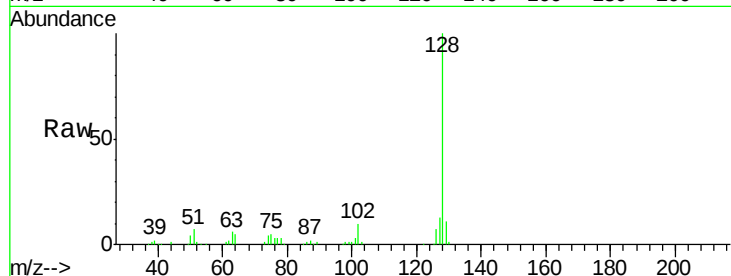
Tot Ion:128 Resp: 102894

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

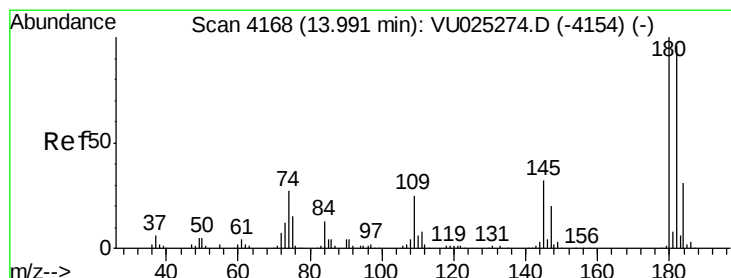
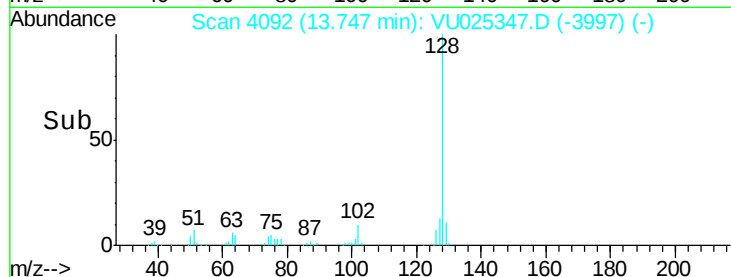
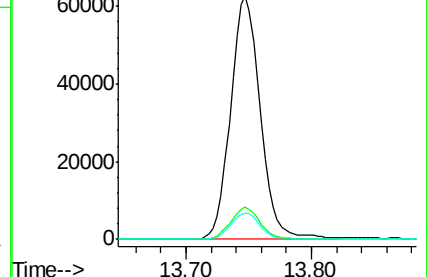
129 10.9 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.60 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025347.D

Acq: 12 Jul 2018 18:20

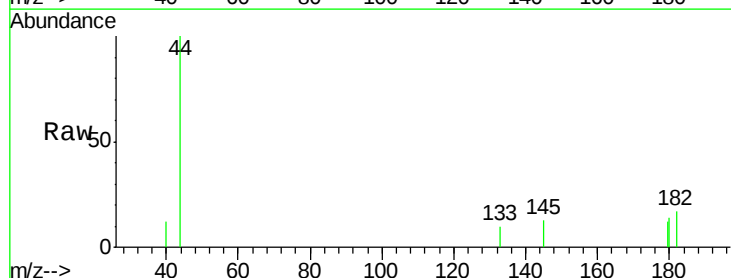
Tgt Ion:180 Resp: 271

Ion Ratio Lower Upper

180 100

182 110.7 47.8 143.3

145 34.7 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

