

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024547.D
 Acq On : 14 Jun 2018 18:02
 Operator : MD/SY
 Sample : J3443-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:42:19 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	168881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	286423	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	282346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	174046	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	131163	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
35) Dibromofluoromethane	4.89	113	115800	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	7.57	98	431635	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	10.31	95	167440	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	572	0.265	ug/l #	42
6) Chloroethane	1.77	64	549	Below Cal	#	58
8) Diethyl Ether	1.83	74	72	Below Cal		93
11) Tert butyl alcohol	2.83	59	3358	5.008	ug/l #	72
13) Acrolein	2.19	56	2536	7.202	ug/l #	1
14) Allyl chloride	2.71	41	6854	1.920	ug/l #	60
15) Acrylonitrile	3.00	53	2653	2.034	ug/l #	36
16) Acetone	2.32	43	23622	15.946	ug/l	97
17) Carbon Disulfide	2.48	76	1716	0.279	ug/l #	75
18) Methyl Acetate	2.71	43	19177	6.039	ug/l #	53
19) Methyl tert-butyl Ether	3.00	73	94522	13.077	ug/l #	14
20) Methylene Chloride	2.70	84	570	0.245	ug/l #	54
23) Vinyl Acetate	3.56	43	3821	0.603	ug/l #	73
25) 2-Butanone	4.28	43	6104	3.068	ug/l	93
27) cis-1,2-Dichloroethene	4.23	96	704	0.289	ug/l	63
28) Bromochloromethane	4.78	49	522	0.291	ug/l #	16
31) Cyclohexane	5.00	56	97607	26.049	ug/l	96
36) 1,1-Dichloropropene	4.99	75	12188	3.621	ug/l #	52
37) Ethyl Acetate	4.28	43	6104	1.664	ug/l #	70
38) Carbon Tetrachloride	4.99	117	15646	4.227	ug/l #	16
39) Methylcyclohexane	6.42	83	56207	13.382	ug/l	94
40) Benzene	5.39	78	228344	23.810	ug/l	99
41) Methacrylonitrile	4.58	41	731	0.370	ug/l #	1
42) 1,2-Dichloroethane	5.39	62	2071	0.567	ug/l	79
43) Isopropyl Acetate	5.55	43	2370	0.374	ug/l #	62
45) 1,2-Dichloropropane	6.42	63	738	0.288	ug/l #	1
48) Methyl methacrylate	6.64	41	6977	2.260	ug/l #	55
52) Toluene	7.64	92	28489	4.617	ug/l	96
55) 1,1,2-Trichloroethane	8.05	97	6607	2.634	ug/l #	18
56) Ethyl methacrylate	8.05	69	1345	0.320	ug/l #	1
59) 2-Hexanone	8.17	43	2203	0.677	ug/l	95
67) Ethyl Benzene	9.26	91	12838	1.015	ug/l	92
68) m/p-Xylenes	9.38	106	98214	20.227	ug/l	99
69) o-Xylene	9.78	106	6760	1.407	ug/l	94

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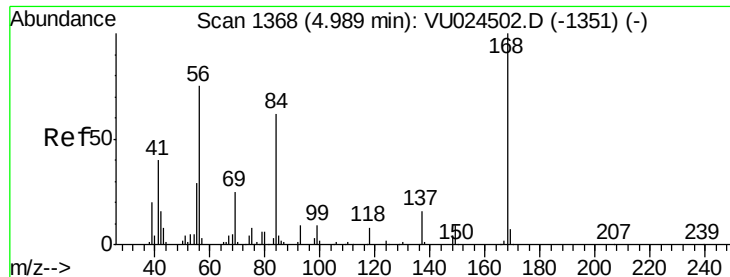
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:42:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Isopropylbenzene	10.17	105	686059	51.342	ug/l	98
76) 1,2,3-Trichloropropane	10.59	75	8831	2.305	ug/l #	1
78) n-propylbenzene	10.59	91	1468983	93.322	ug/l	97
79) 2-Chlorotoluene	10.59	91	1468983	158.250	ug/l #	41
80) 1,3,5-Trimethylbenzene	10.71	105	57701	4.982	ug/l	75
81) trans-1,4-Dichloro-2-buten	10.59	75	8831	5.334	ug/l #	100
82) 4-Chlorotoluene	10.59	91	1468983	135.965	ug/l #	45
83) tert-Butylbenzene	11.10	119	34449	3.092	ug/l	90
84) 1,2,4-Trimethylbenzene	11.15	105	15815	1.340	ug/l	98
85) sec-Butylbenzene	11.33	105	177944	12.760	ug/l	100
86) p-Isopropyltoluene	11.69	119	76533	6.128	ug/l	97
89) n-Butylbenzene	11.89	91	104643	9.437	ug/l #	78
90) Hexachloroethane	12.26	117	51763	21.245	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	12.65	75	3073	2.487	ug/l #	3
95) Naphthalene	13.75	128	46763	4.284	ug/l #	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

Instrument :

MSVOA_U

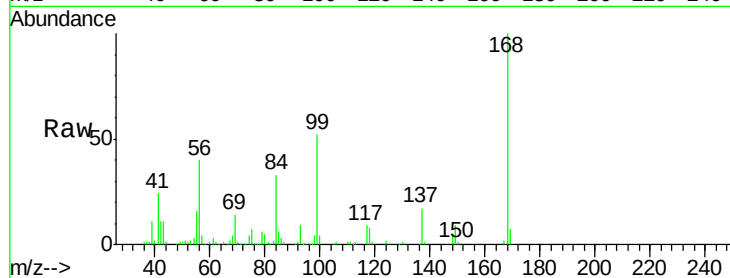
ClientSampleId :

Tot Ion:168 Resp: 168881

Ion Ratio Lower Upper

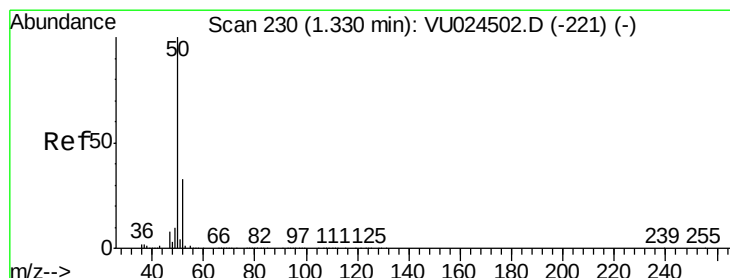
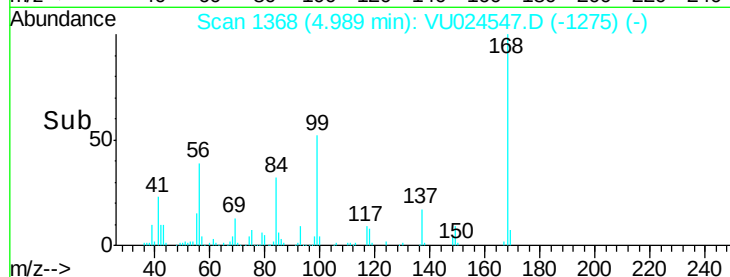
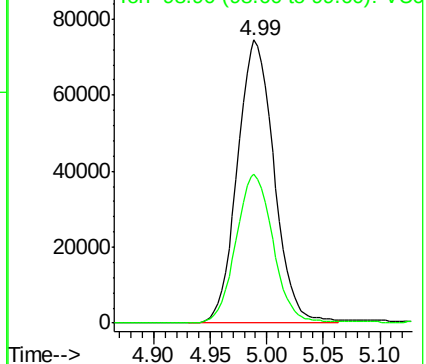
168 100

99 52.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D

Ion 98.90 (98.60 to 99.60): VU024502.D



#3

Chloromethane

Concen: 0.265 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024547.D

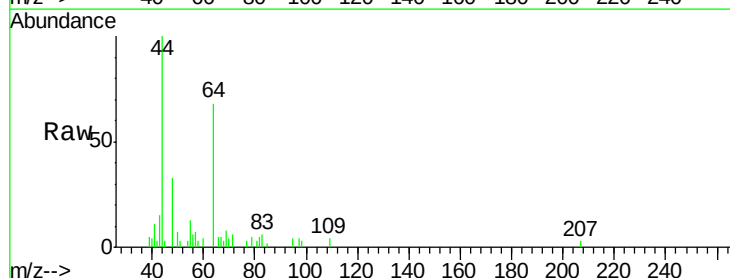
Acq: 14 Jun 2018 18:02

Tgt Ion: 50 Resp: 572

Ion Ratio Lower Upper

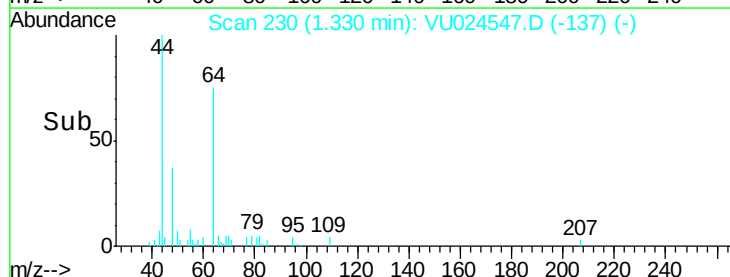
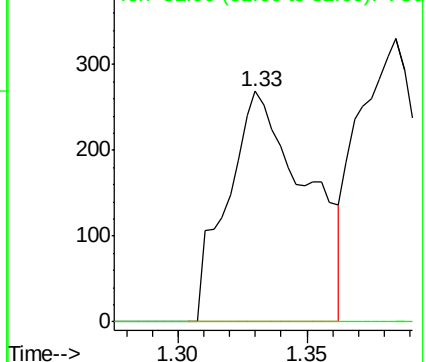
50 100

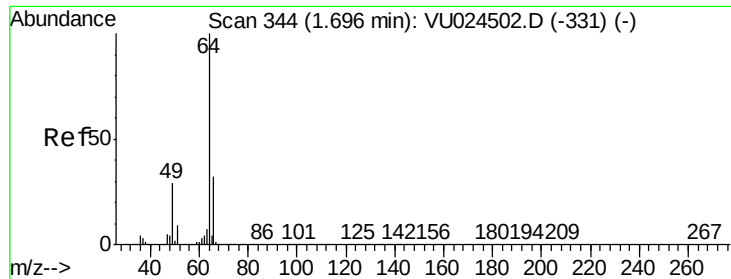
52 0.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D

Ion 51.90 (51.60 to 52.60): VU024502.D





#6

Chloroethane

Concen: Below Cal

RT: 1.77 min Scan# 367

Delta R.T. 0.07 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

Instrument :

MSVOA_U

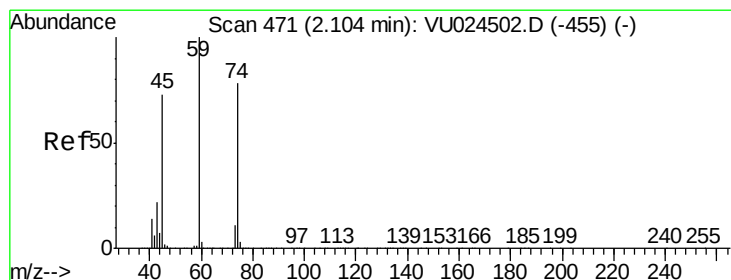
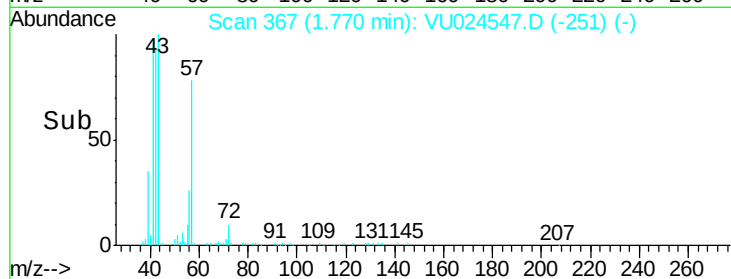
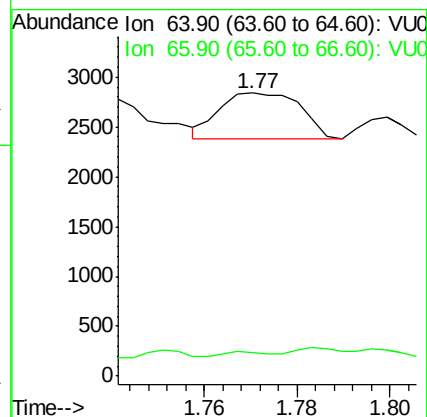
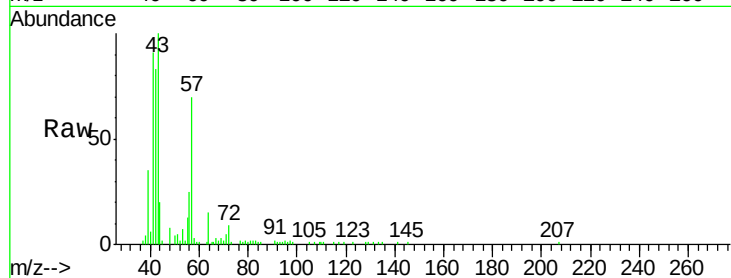
ClientSampleId :

Tot Ion: 64 Resp: 549

Ion Ratio Lower Upper

64 100

66 8.6 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 1.83 min Scan# 387

Delta R.T. -0.27 min

Lab File: VU024547.D

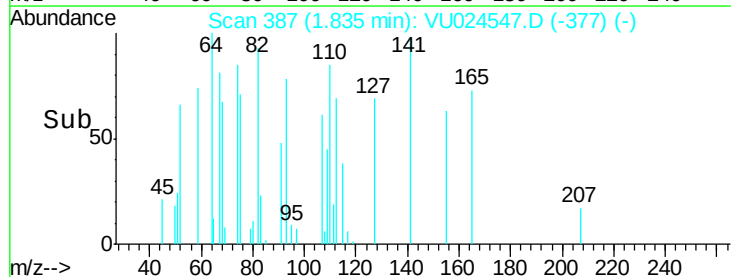
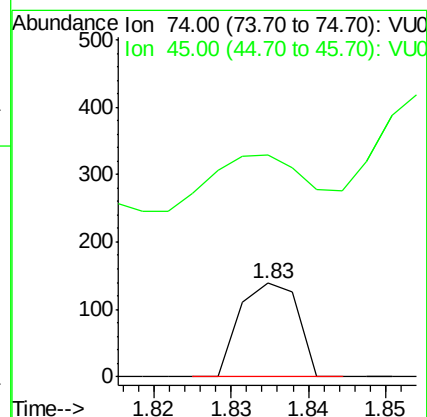
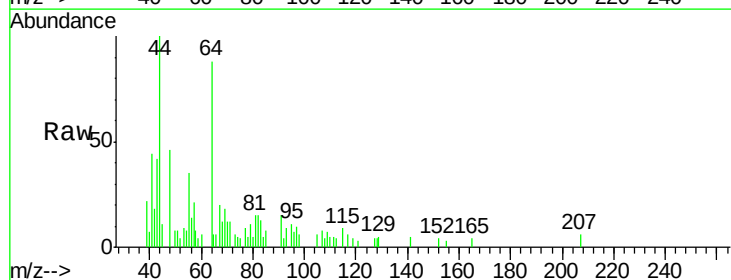
Acq: 14 Jun 2018 18:02

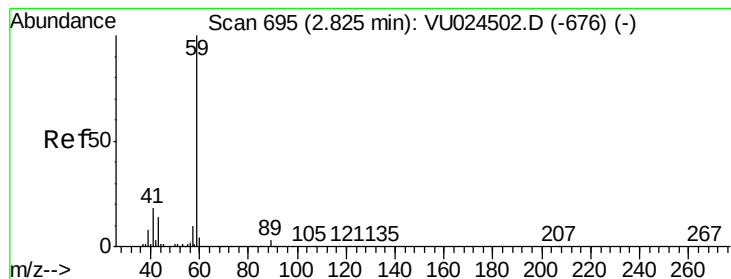
Tgt Ion: 74 Resp: 72

Ion Ratio Lower Upper

74 100

45 102.8 55.0 165.0



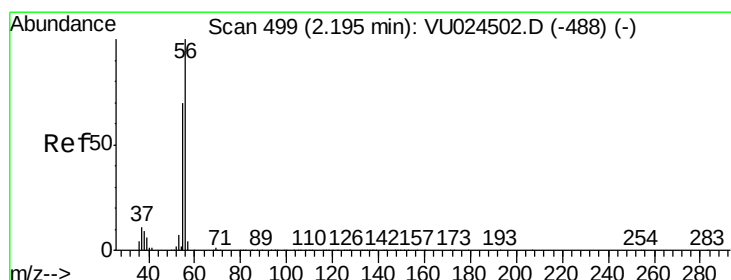
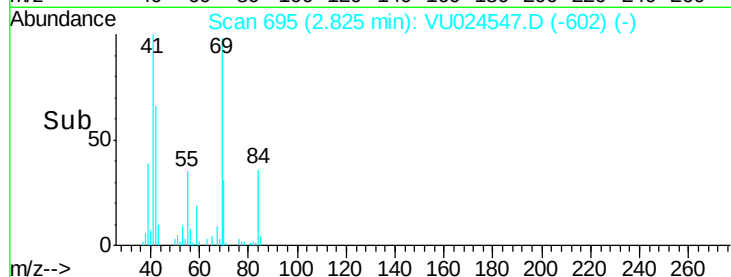
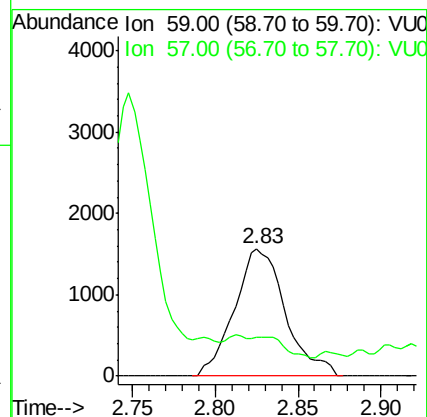
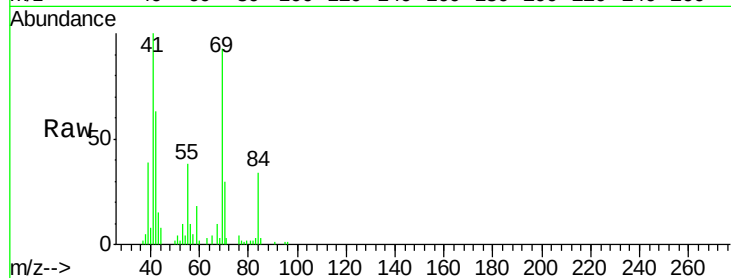


#11

Tert butyl alcohol
 Concen: 5.008 ug/l
 RT: 2.83 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU024547.D
 Acq: 14 Jun 2018 18:02

Instrument :
 MSVOA_U
 ClientSampleId :

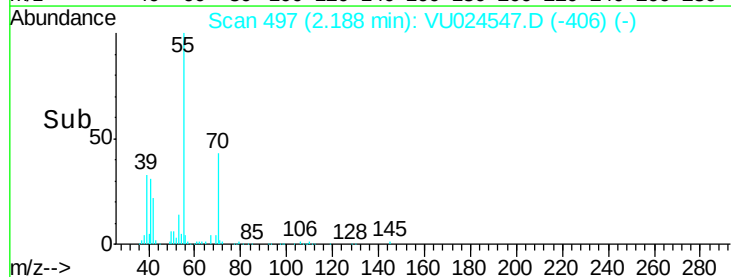
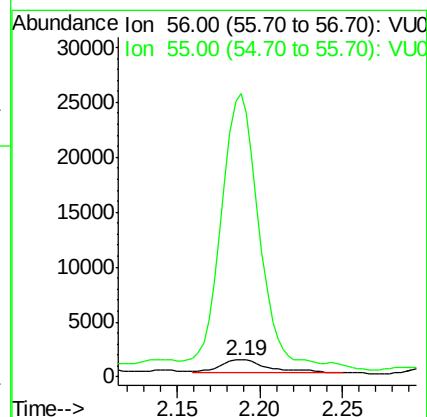
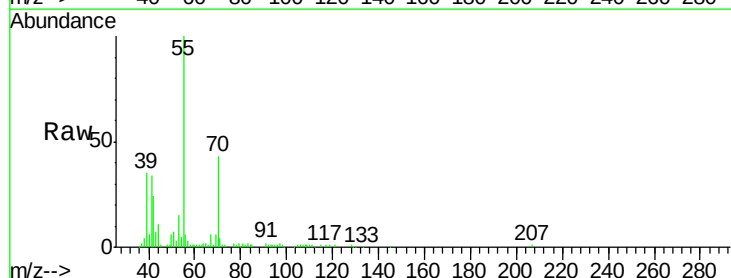
Tot Ion: 59 Resp: 3358
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

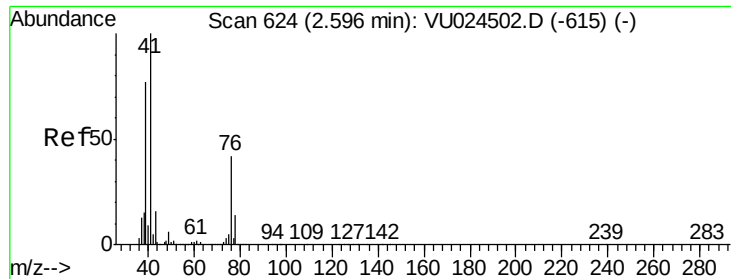


#13

Acrolein
 Concen: 7.202 ug/l
 RT: 2.19 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VU024547.D
 Acq: 14 Jun 2018 18:02

Tgt Ion: 56 Resp: 2536
 Ion Ratio Lower Upper
 56 100
 55 1481.8 58.4 87.6#

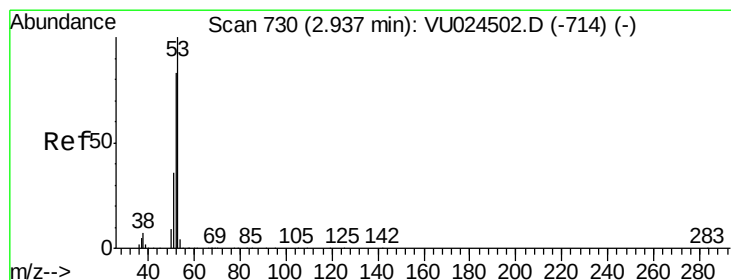
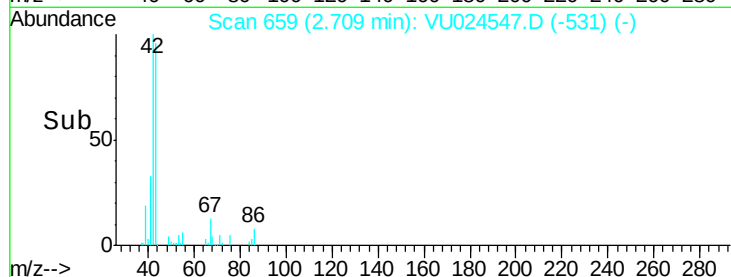
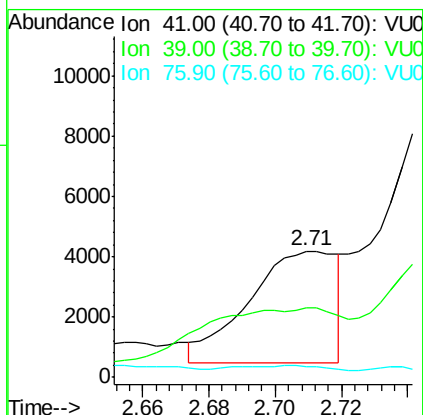
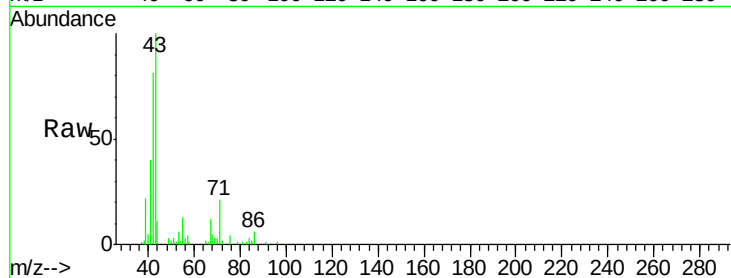




#14
Allvl chloride
Concen: 1.920 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.11 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

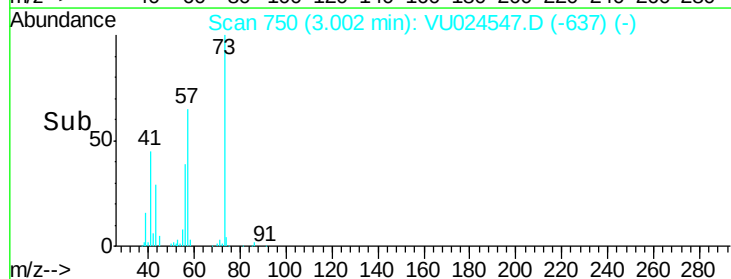
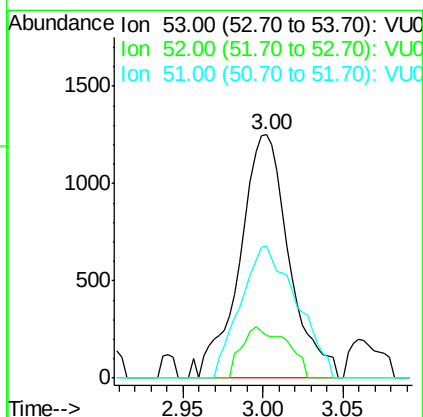
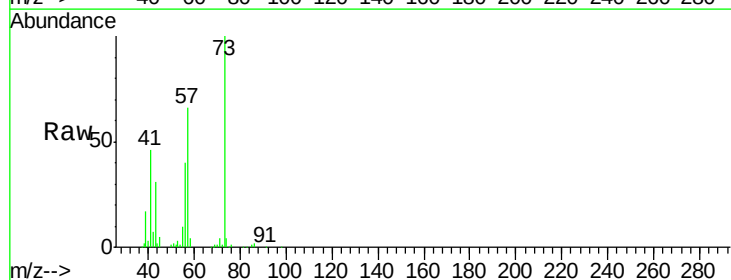
Instrument :
MSVOA_U
ClientSampleId :

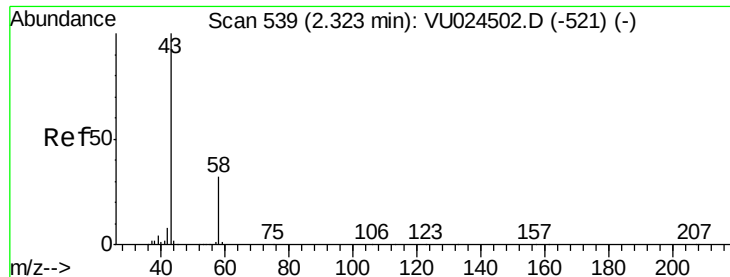
Tot Ion: 41 Resp: 6854
Ion Ratio Lower Upper
41 100
39 47.8 61.6 92.4#
76 4.8 29.7 44.5#



#15
Acrylonitrile
Concen: 2.034 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.06 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

Tgt Ion: 53 Resp: 2653
Ion Ratio Lower Upper
53 100
52 19.1 67.1 100.7#
51 61.7 28.4 42.6#





#16

Acetone

Concen: 15.946 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

Instrument :

MSVOA_U

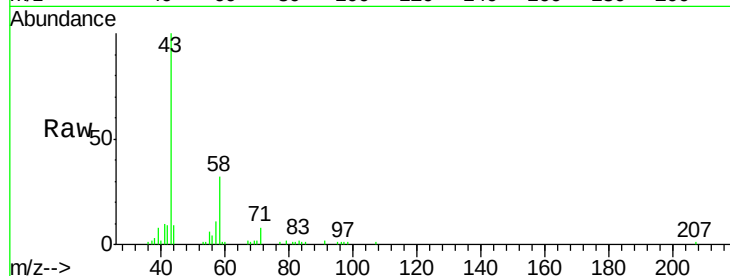
ClientSampleId :

Tot Ion: 43 Resp: 23622

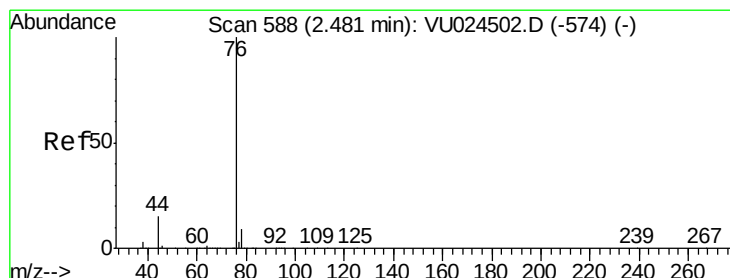
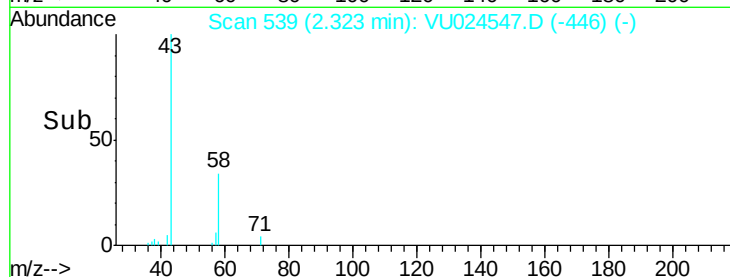
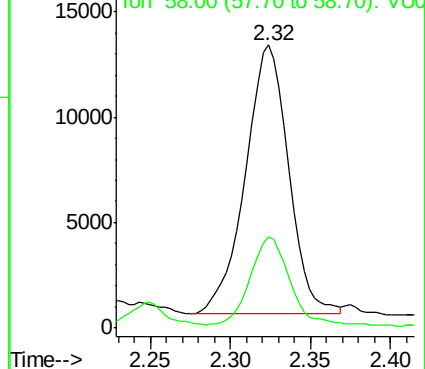
Ion Ratio Lower Upper

43 100

58 31.9 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024547.D (-446) (-)



#17

Carbon Disulfide

Concen: 0.279 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU024547.D

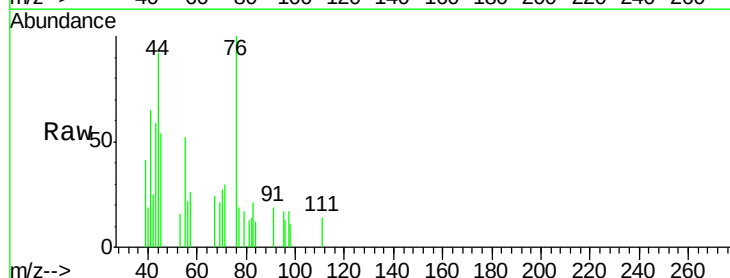
Acq: 14 Jun 2018 18:02

Tgt Ion: 76 Resp: 1716

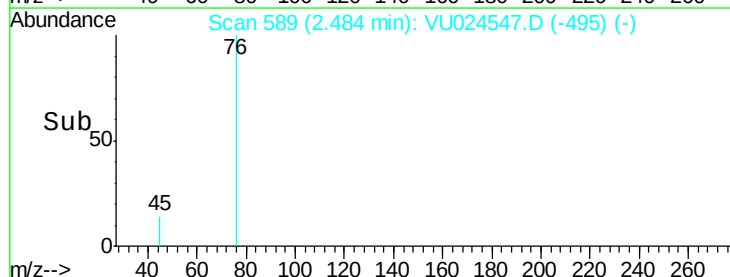
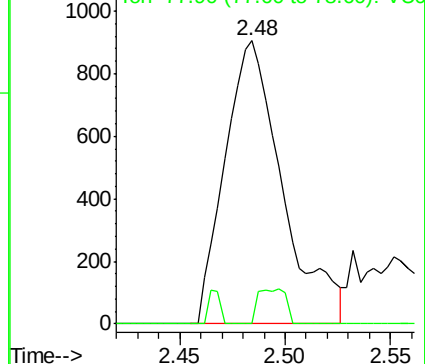
Ion Ratio Lower Upper

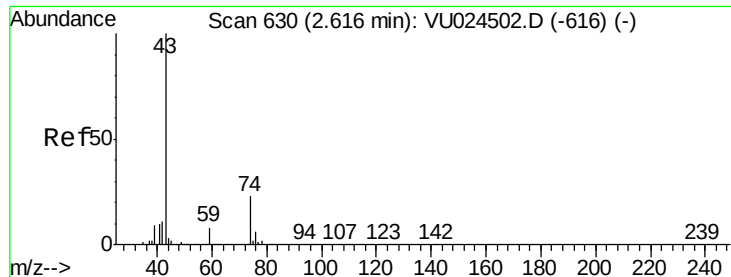
76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU024547.D (-495) (-)

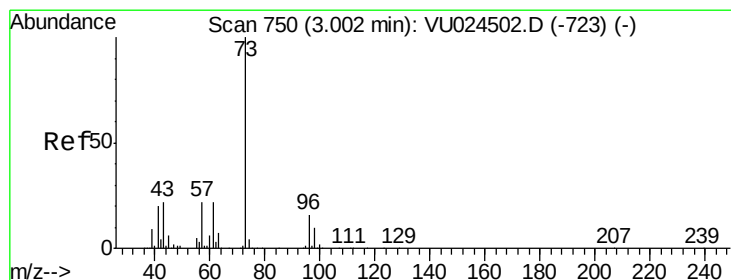
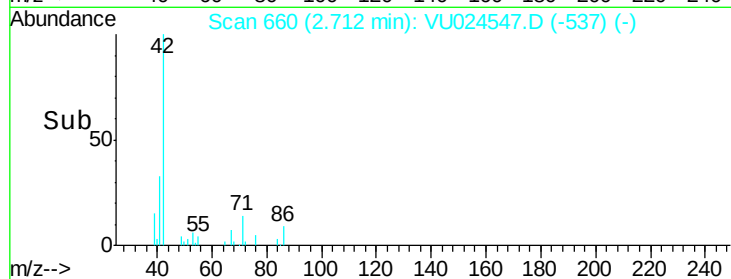
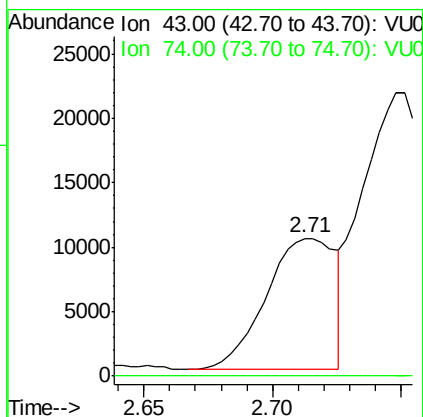
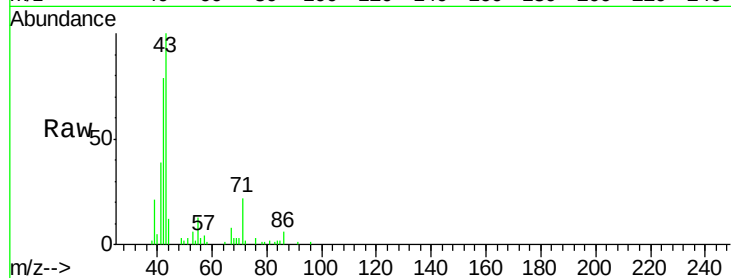




#18
Methyl Acetate
Concen: 6.039 ug/l
RT: 2.71 min Scan# 660
Delta R.T. 0.10 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

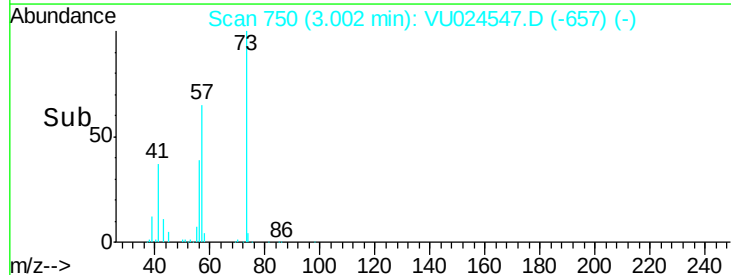
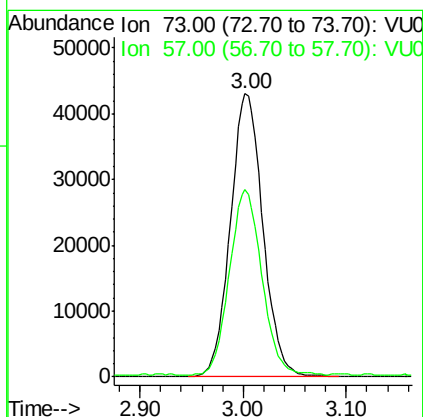
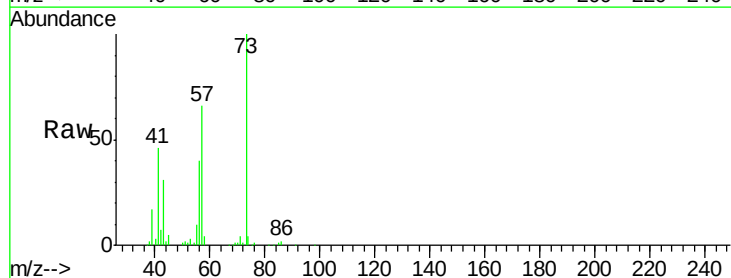
Instrument :
MSVOA_U
ClientSampled :

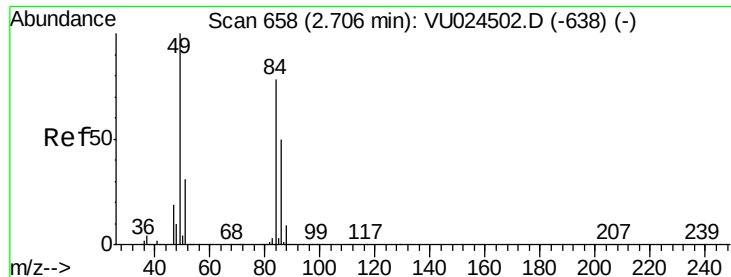
Tot Ion: 43 Resp: 19177
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#19
Methyl tert-butyl Ether
Concen: 13.077 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

Tgt Ion: 73 Resp: 94522
Ion Ratio Lower Upper
73 100
57 65.4 18.8 28.2#

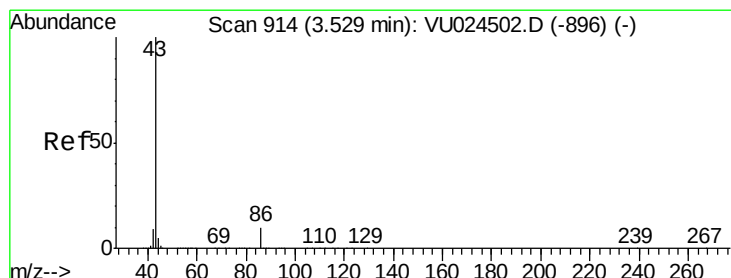
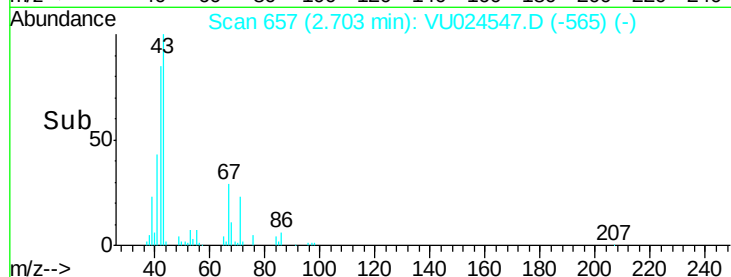
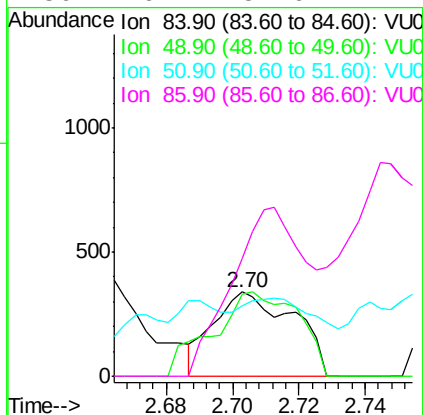
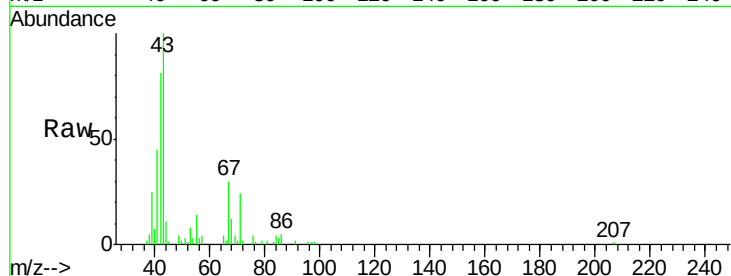




#20
Methvlene Chloride
Concen: 0.245 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

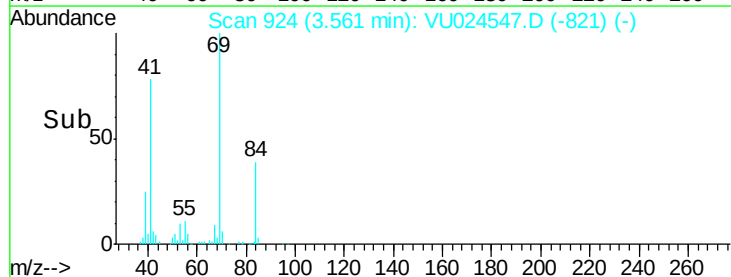
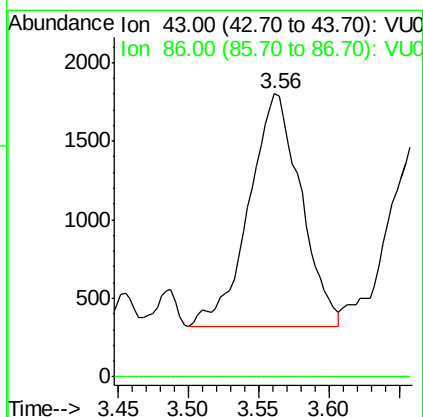
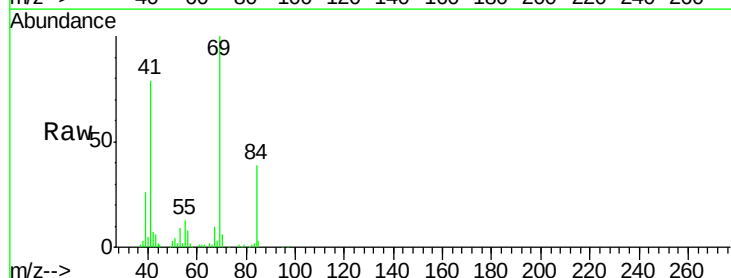
Instrument :
MSVOA_U
ClientSampleId :

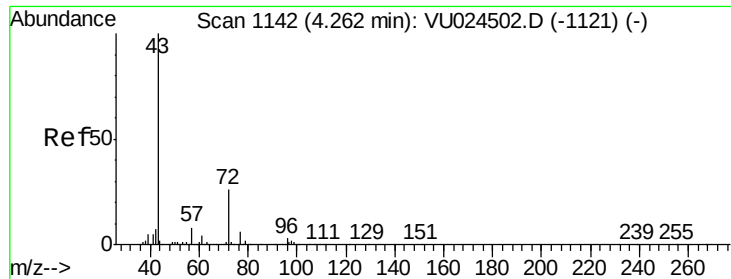
Tot Ion: 84 Resp: 570
Ion Ratio Lower Upper
84 100
49 97.3 103.8 155.8#
51 27.1 32.0 48.0#
86 140.1 51.6 77.4#



#23
Vinyl Acetate
Concen: 0.603 ug/l
RT: 3.56 min Scan# 924
Delta R.T. 0.03 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

Tgt Ion: 43 Resp: 3821
Ion Ratio Lower Upper
43 100
86 0.0 7.8 11.8#

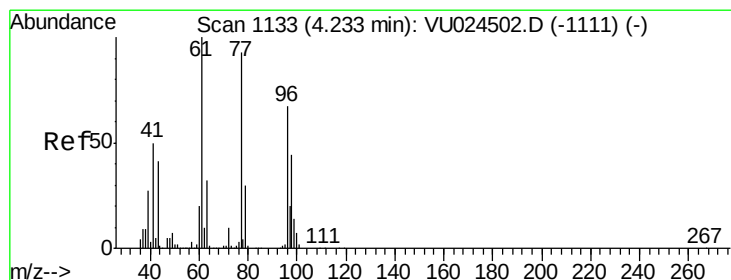
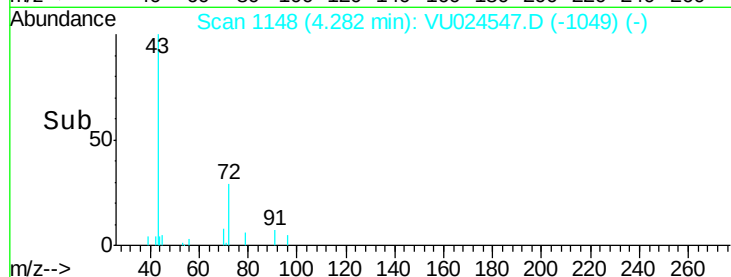
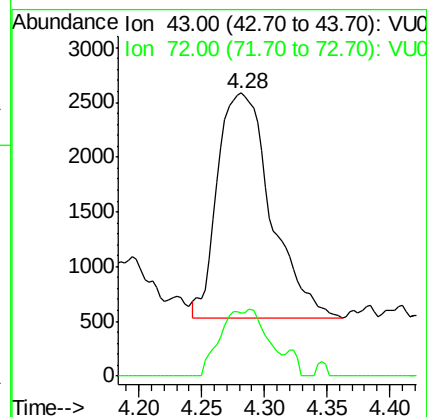
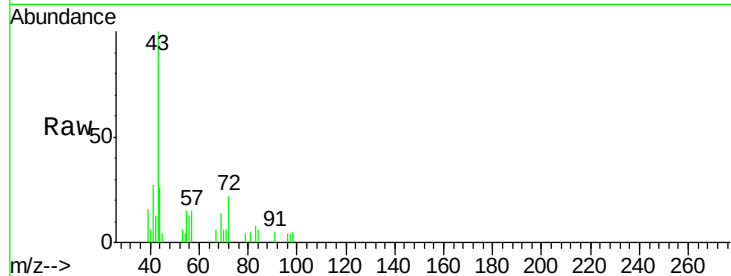




#25
2-Butanone
Concen: 3.068 ug/l
RT: 4.28 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

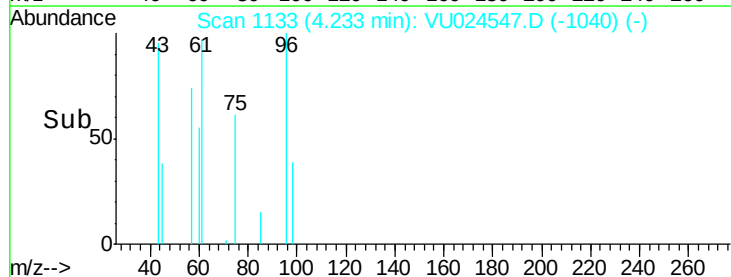
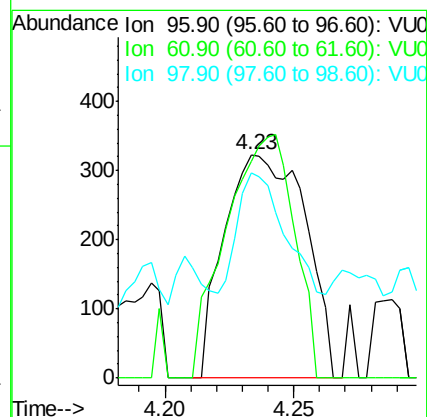
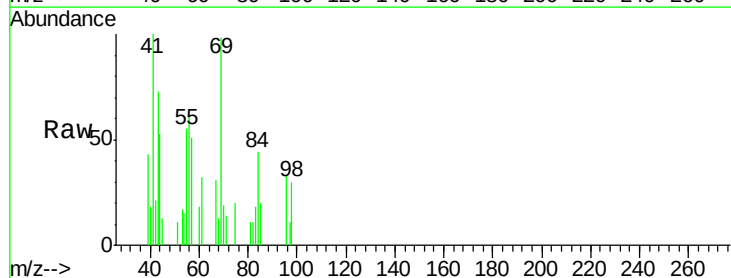
Instrument :
MSVOA_U
ClientSampled :

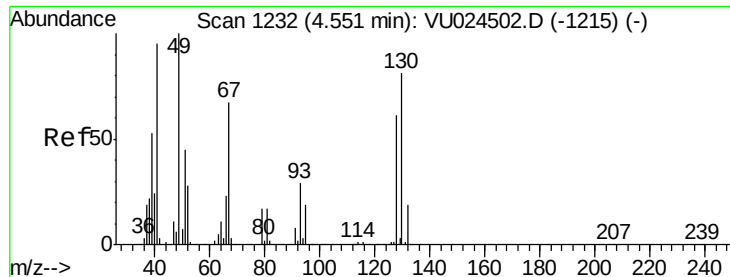
Tot Ion: 43 Resp: 6104
Ion Ratio Lower Upper
43 100
72 27.9 19.6 29.4



#27
cis-1,2-Dichloroethene
Concen: 0.289 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

Tgt Ion: 96 Resp: 704
Ion Ratio Lower Upper
96 100
61 92.2 0.0 306.6
98 73.9 0.0 128.8





#28

Bromochloromethane

Concen: 0.291 ug/l

RT: 4.78 min Scan# 1303

Delta R.T. 0.23 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

Instrument :

MSVOA_U

ClientSampleId :

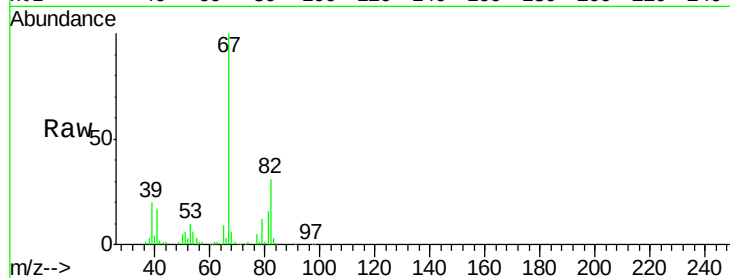
Tot Ion: 49 Resp: 522

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 57.8 86.6#



Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

4.78

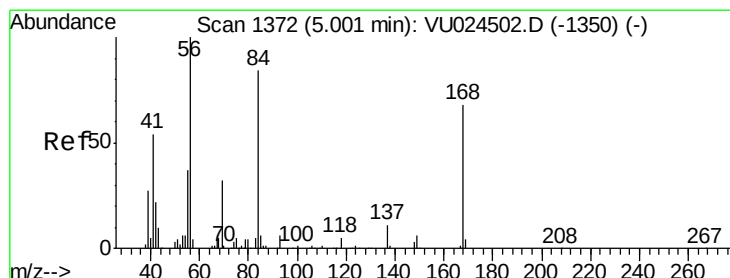
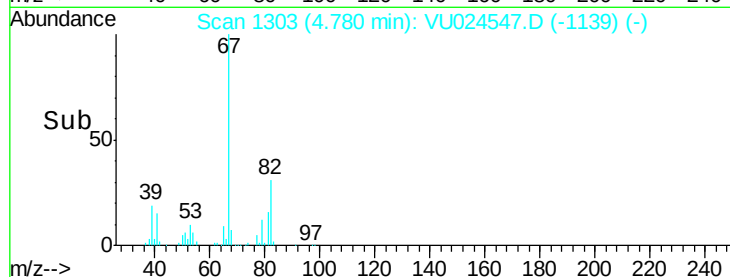
300

200

100

0

Time--> 4.74 4.76 4.78 4.80 4.82



#31

Cyclohexane

Concen: 26.049 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

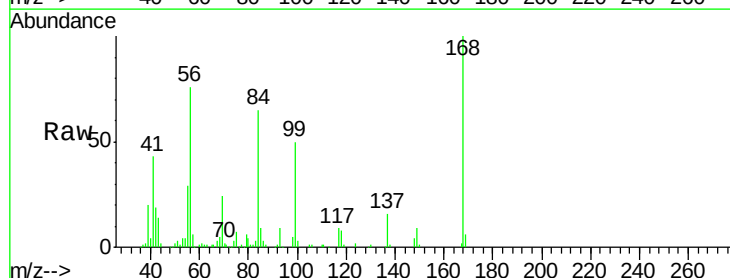
Tgt Ion: 56 Resp: 97607

Ion Ratio Lower Upper

56 100

69 30.9 24.8 37.2

84 86.8 65.2 97.8



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

5.00

50000

40000

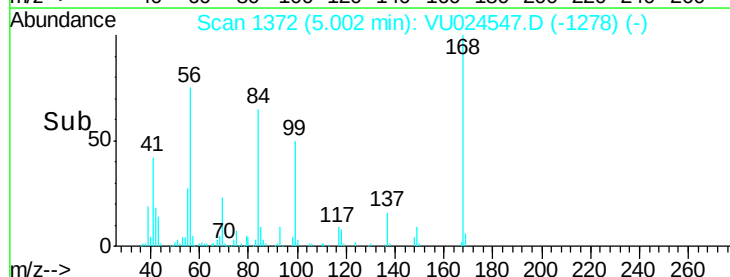
30000

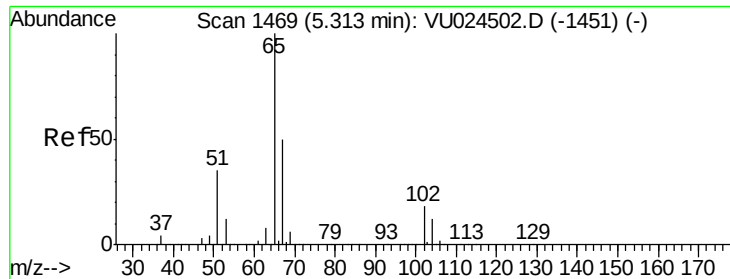
20000

10000

0

Time--> 4.90 4.95 5.00 5.05

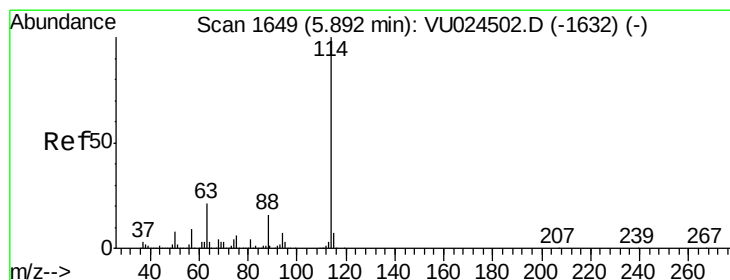
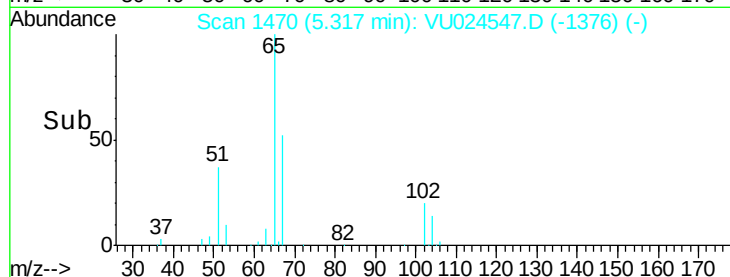
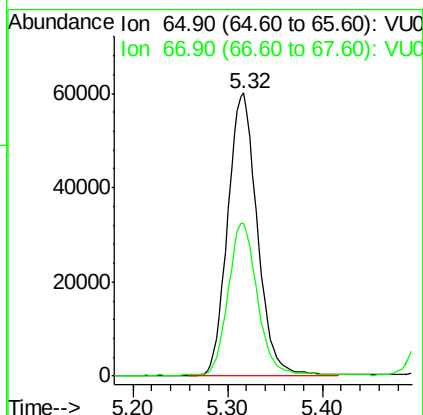
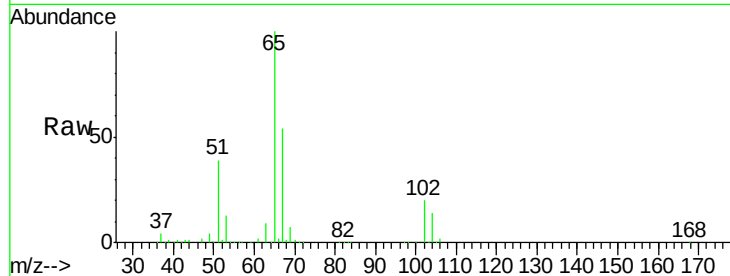




#33
 1,2-Dichloroethane-d4
 Concen: 47.574 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU024547.D
 Acq: 14 Jun 2018 18:02

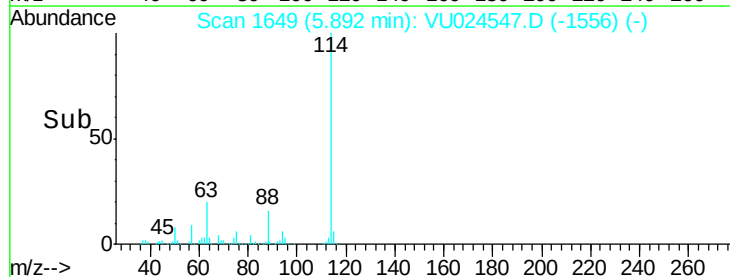
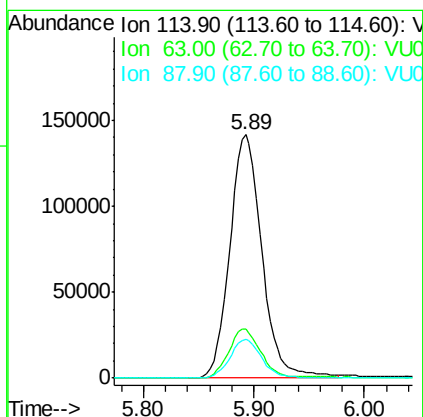
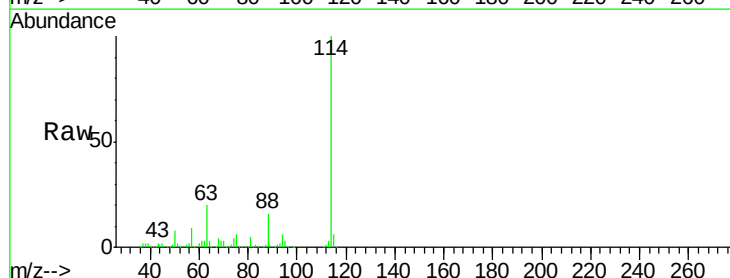
Instrument :
 MSVOA_U
 ClientSampled :

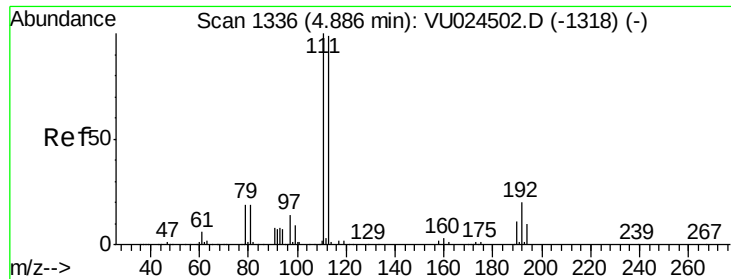
Tot Ion: 65 Resp: 131163
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024547.D
 Acq: 14 Jun 2018 18:02

Tgt Ion: 114 Resp: 286423
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 45.4
 88 15.8 0.0 31.0

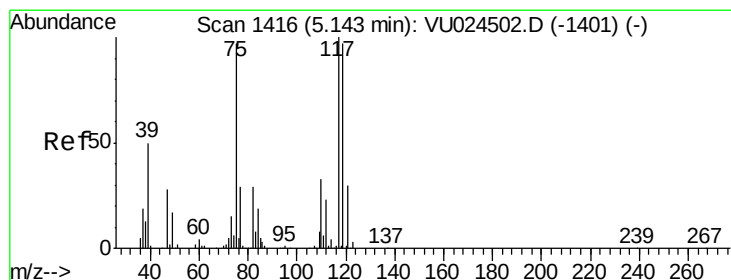
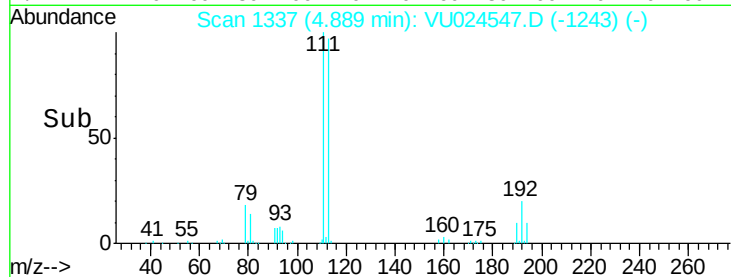
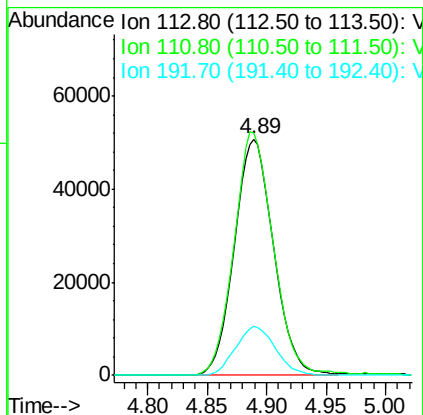
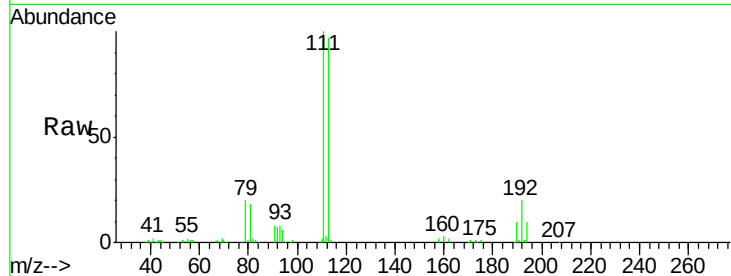




#35
 Dibromofluoromethane
 Concen: 48.715 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024547.D
 Acq: 14 Jun 2018 18:02

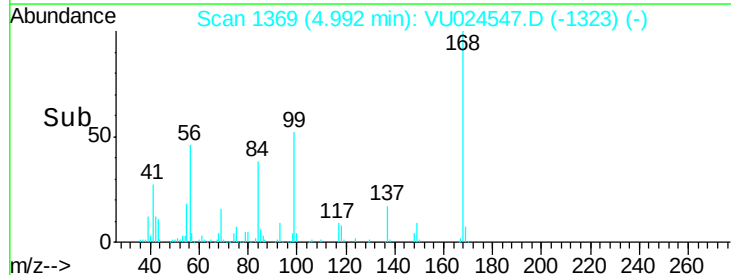
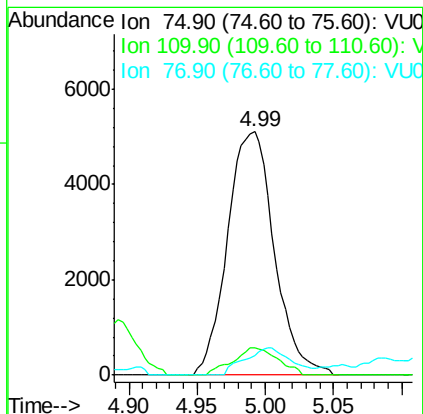
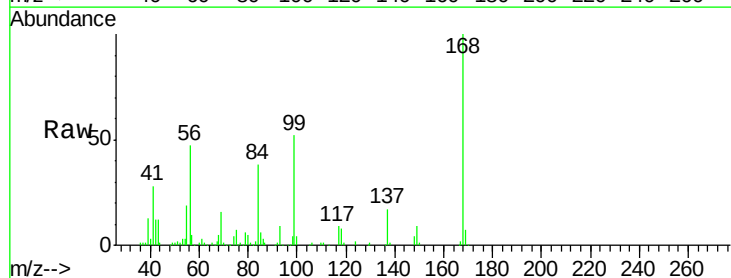
Instrument :
 MSVOA_U
 ClientSampled :

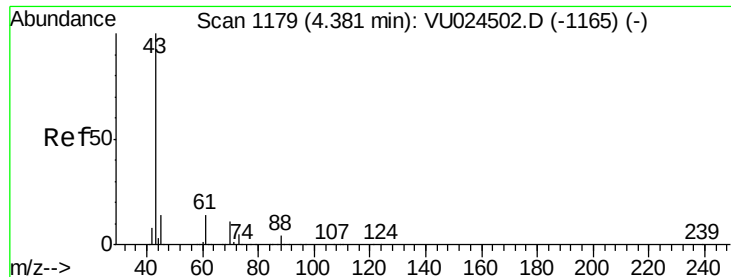
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	21.2	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 3.621 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU024547.D
 Acq: 14 Jun 2018 18:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.7	17.0	50.9#
77	0.0	24.2	36.4#

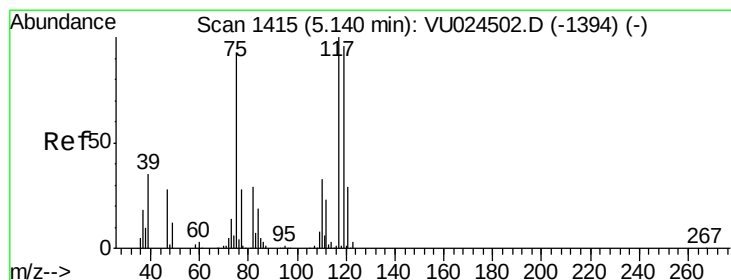
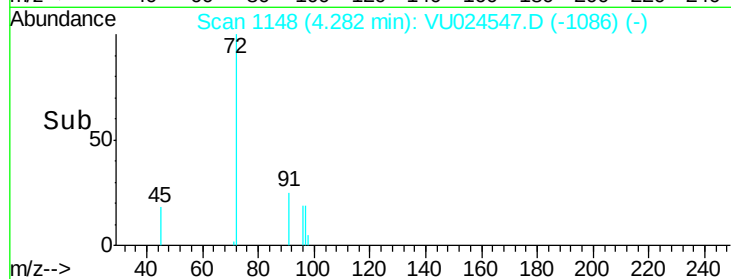
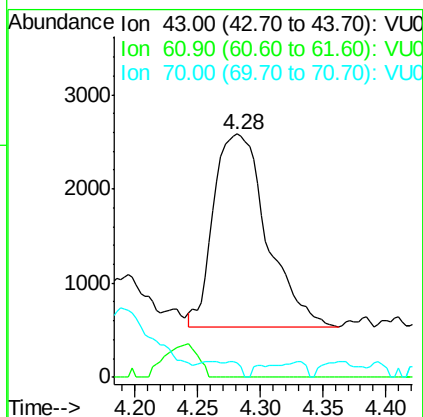
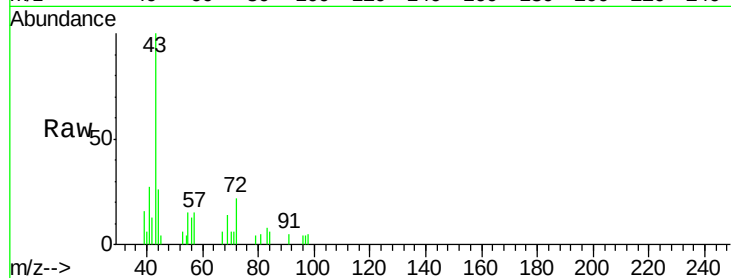




#37
Ethyl Acetate
Concen: 1.664 ug/l
RT: 4.28 min Scan# 1148
Delta R.T. -0.10 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

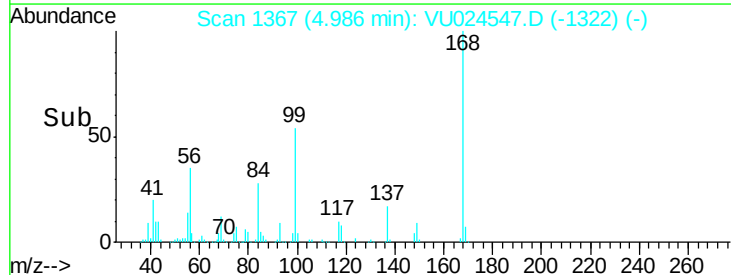
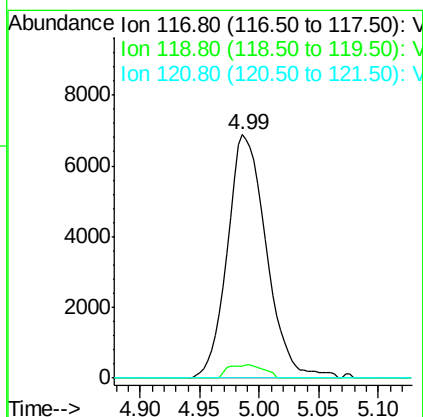
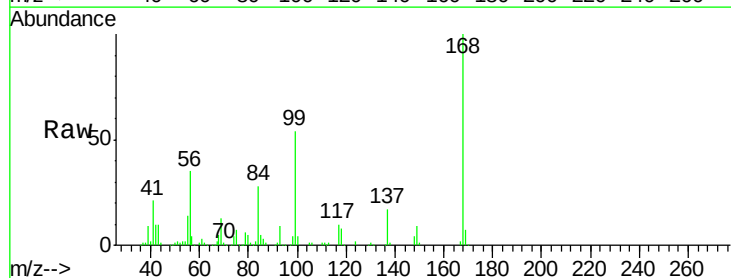
Instrument :
MSVOA_U
ClientSampleId :

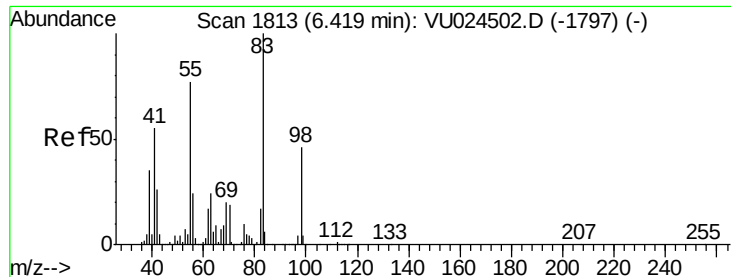
Tot Ion: 43 Resp: 6104
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 4.227 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.15 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

Tgt Ion: 117 Resp: 15646
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 23.7 35.5#

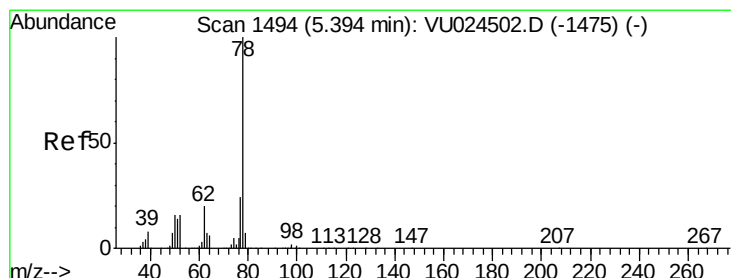
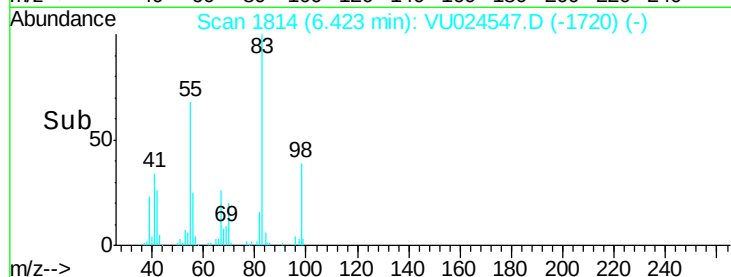
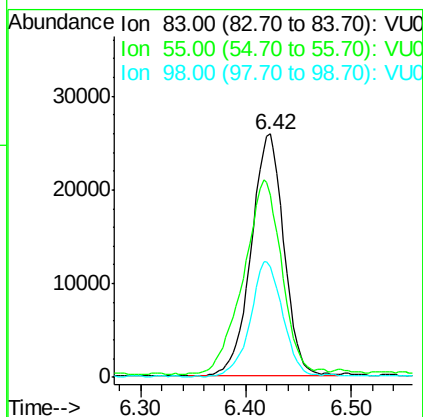
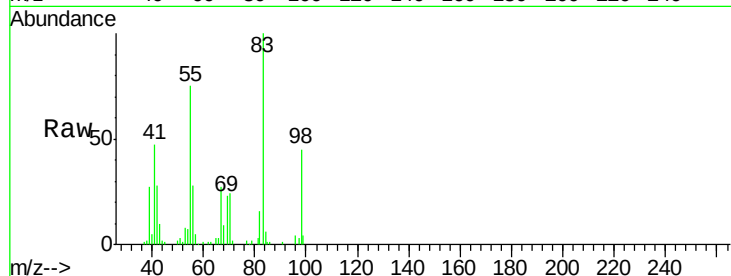




#39
Methylvlcyclohexane
Concen: 13.382 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

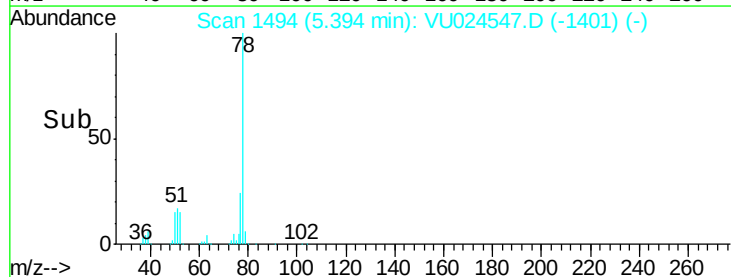
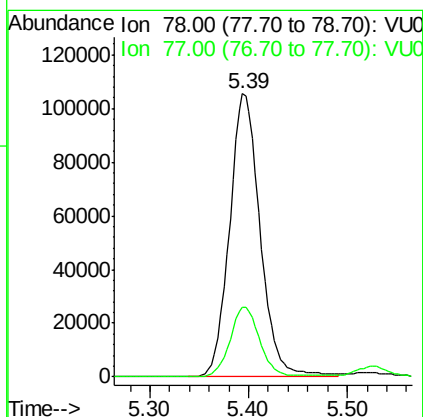
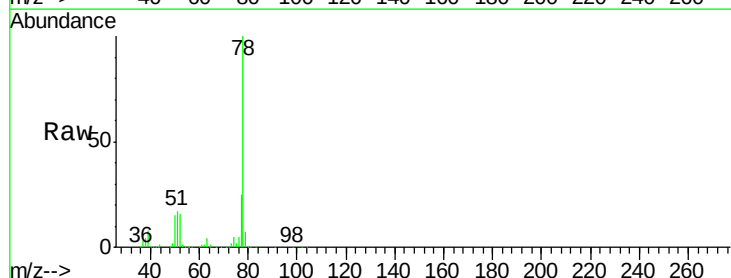
Instrument :
MSVOA_U
ClientSampleId :

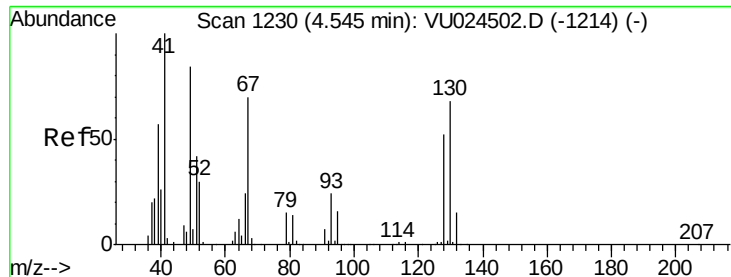
Tot Ion	83	Resp	56207
Ion	Ratio	Lower	Upper
83	100		
55	73.8	65.8	98.6
98	45.5	36.7	55.1



#40
Benzene
Concen: 23.810 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

Tgt Ion	78	Resp	228344
Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.2	28.8

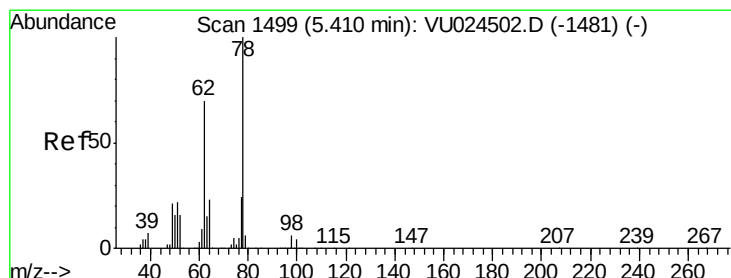
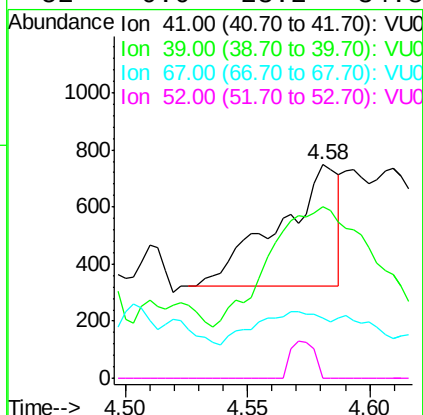
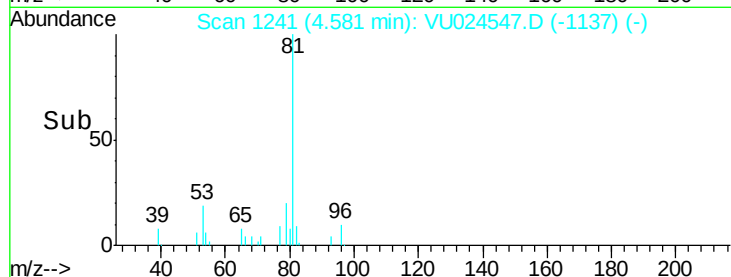
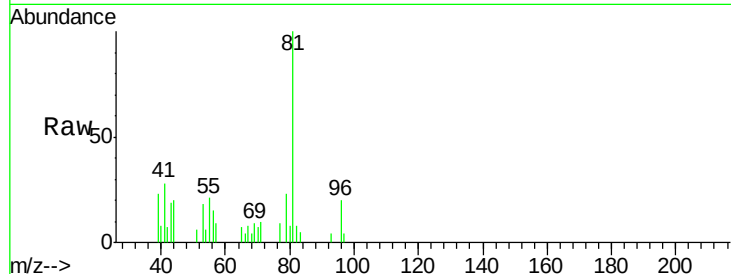




#41
Methacrylonitrile
Concen: 0.370 ug/l
RT: 4.58 min Scan# 1241
Delta R.T. 0.04 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

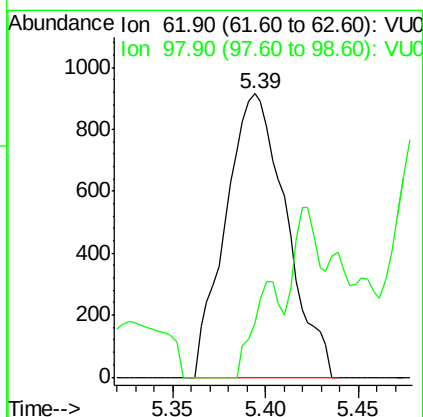
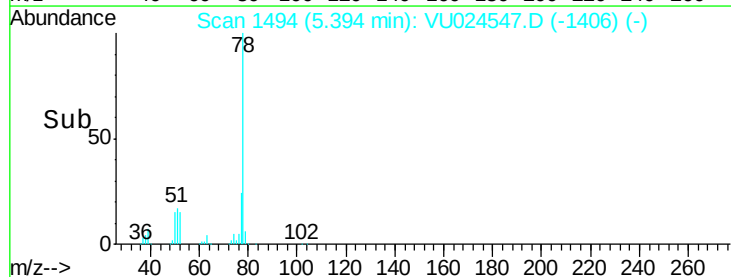
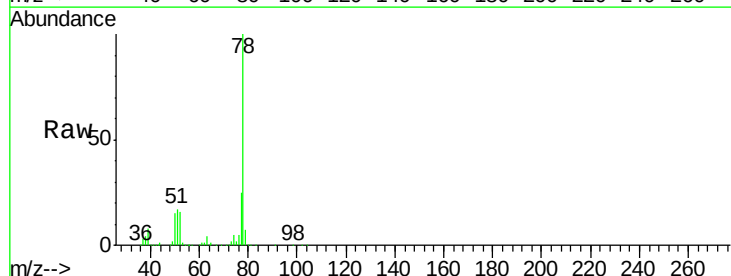
Instrument :
MSVOA_U
ClientSampleId :

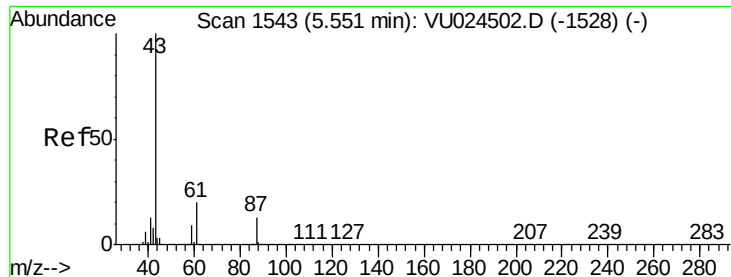
Tot Ion: 41 Resp: 731
Ion Ratio Lower Upper
41 100
39 168.0 43.8 65.6#
67 0.0 56.3 84.5#
52 0.0 23.2 34.8#



#42
1,2-Dichloroethane
Concen: 0.567 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.02 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

Tgt Ion: 62 Resp: 2071
Ion Ratio Lower Upper
62 100
98 15.9 0.0 16.6





#43

Isopropyl Acetate

Concen: 0.374 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

Instrument :

MSVOA_U

ClientSampleId :

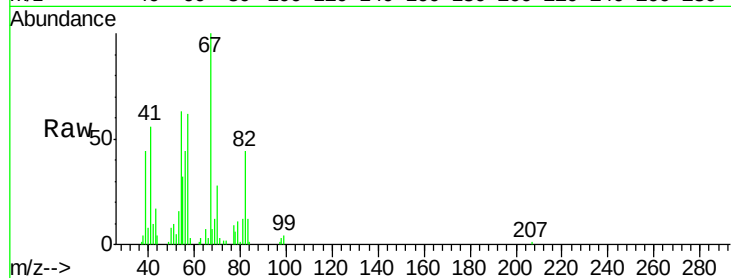
Tot Ion: 43 Resp: 2370

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

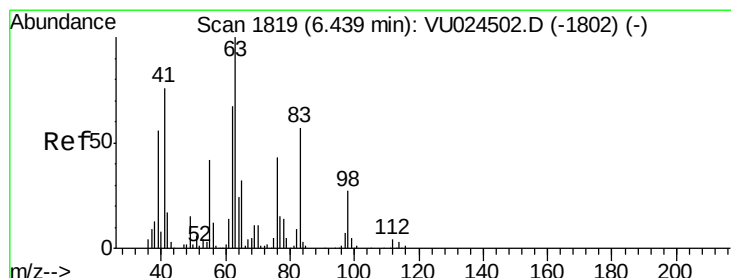
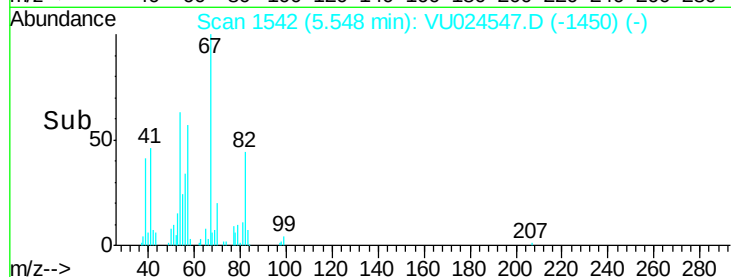
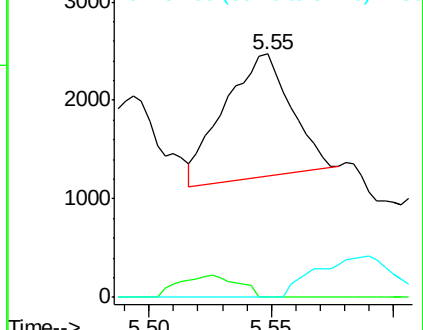
87 0.0 10.0 15.0#



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



#45

1,2-Dichloropropane

Concen: 0.288 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. -0.02 min

Lab File: VU024547.D

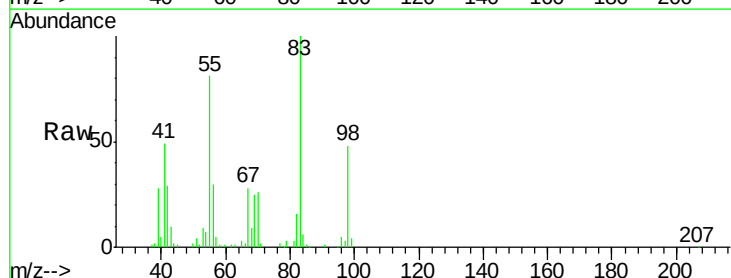
Acq: 14 Jun 2018 18:02

Tgt Ion: 63 Resp: 738

Ion Ratio Lower Upper

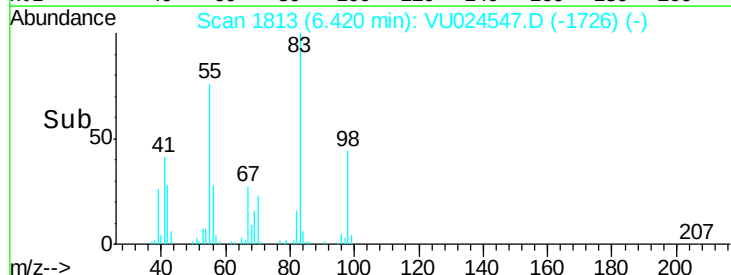
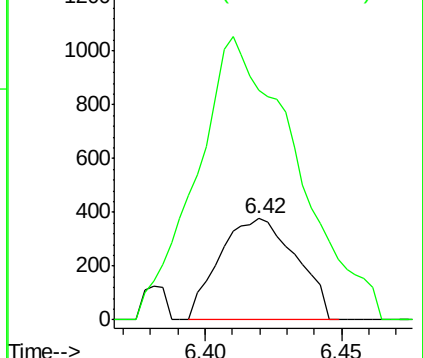
63 100

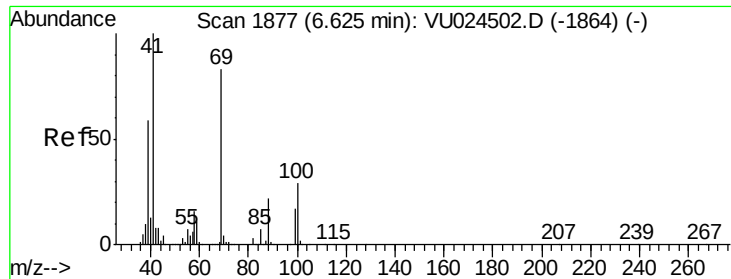
65 166.3 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

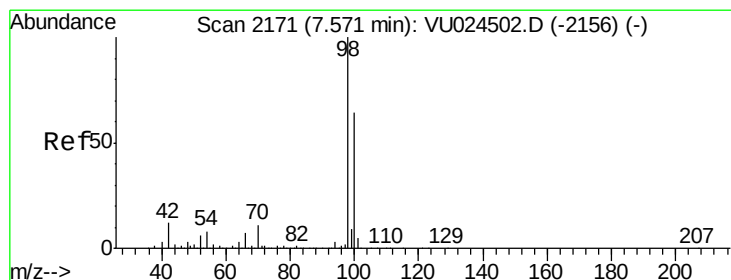
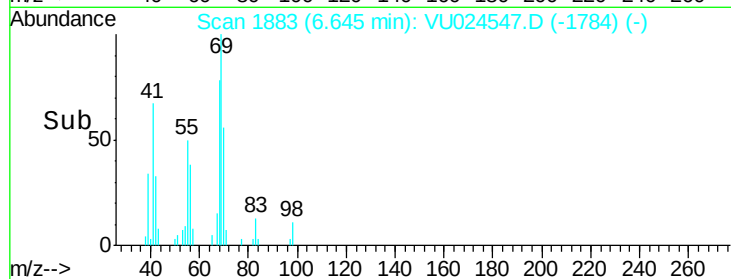
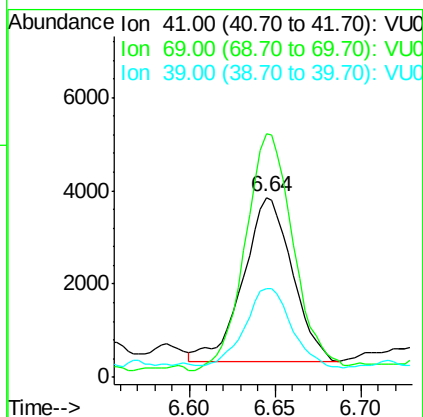
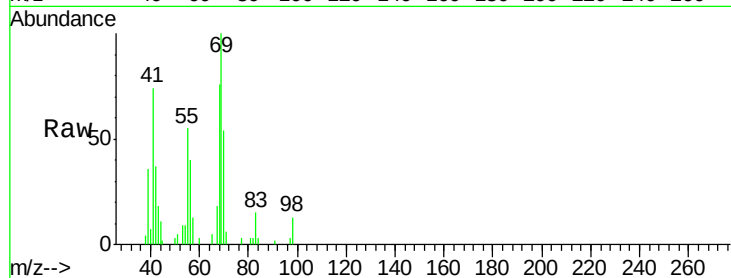




#48
Methvl methacrylate
Concen: 2.260 ug/l
RT: 6.64 min Scan# 1883
Delta R.T. 0.02 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

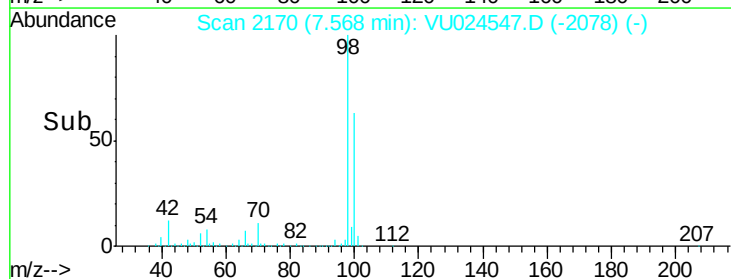
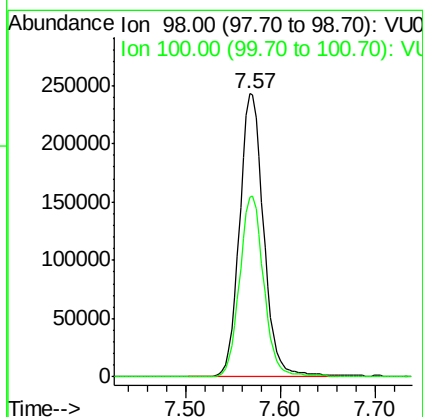
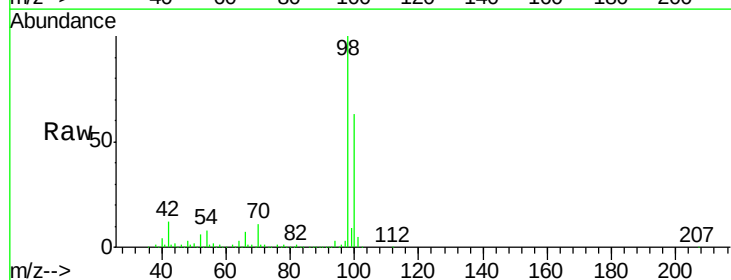
Instrument :
MSVOA_U
ClientSampleId :

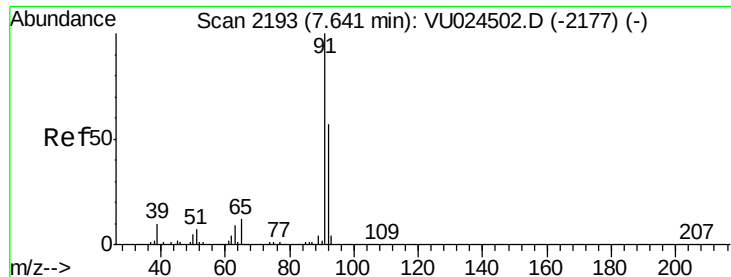
Tot Ion: 41 Resp: 6977
Ion Ratio Lower Upper
41 100
69 142.6 67.3 100.9#
39 45.9 46.5 69.7#



#50
Toluene-d8
Concen: 49.781 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

Tgt Ion: 98 Resp: 431635
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7





#52

Toluene

Concen: 4.617 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

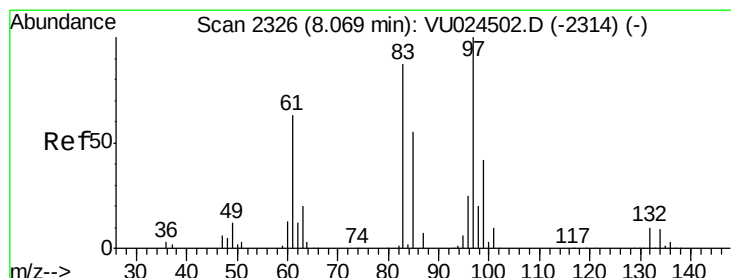
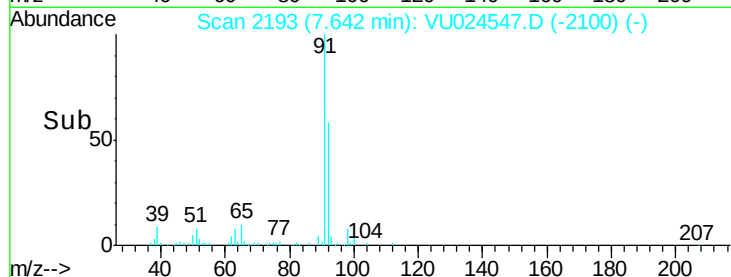
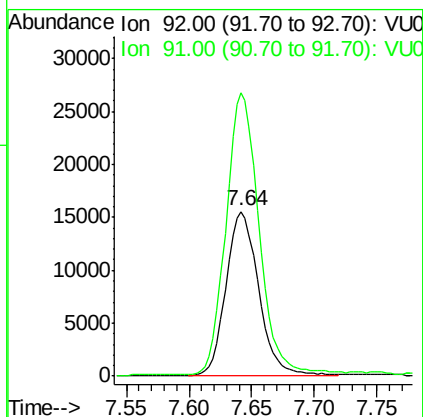
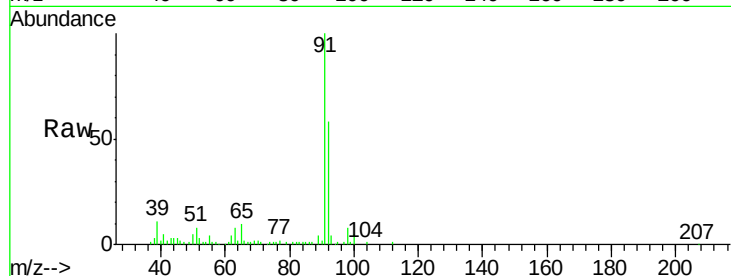
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 92 Resp: 28489

Ion Ratio Lower Upper

92 100

91 170.2 140.5 210.7



#55

1,1,2-Trichloroethane

Concen: 2.634 ug/l

RT: 8.05 min Scan# 2321

Delta R.T. -0.02 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

Tgt Ion: 97 Resp: 6607

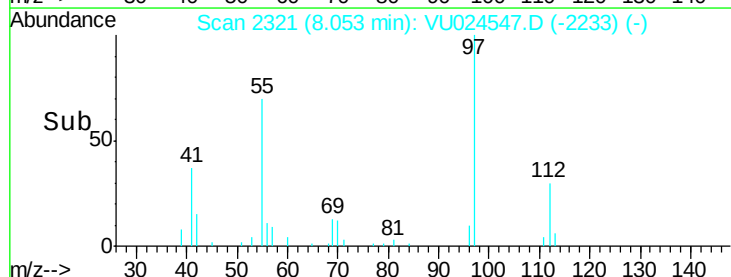
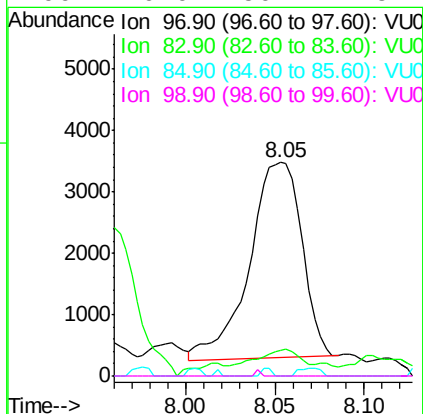
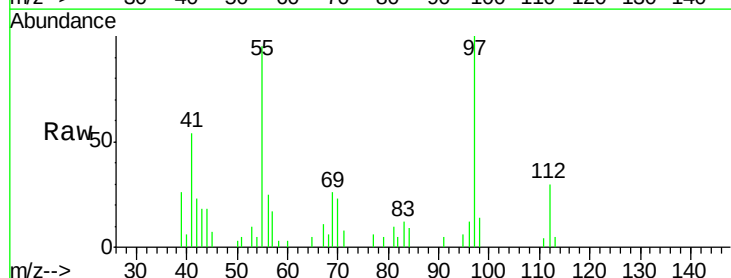
Ion Ratio Lower Upper

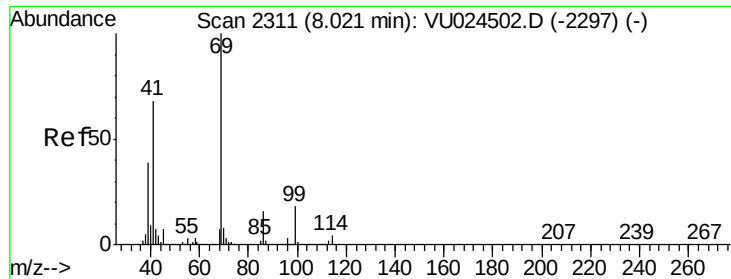
97 100

83 9.3 70.5 105.7#

85 0.0 46.4 69.6#

99 0.0 50.2 75.2#

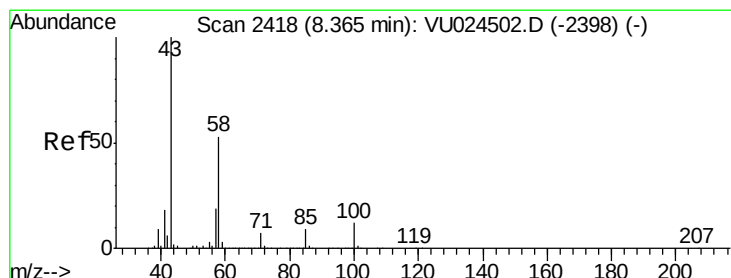
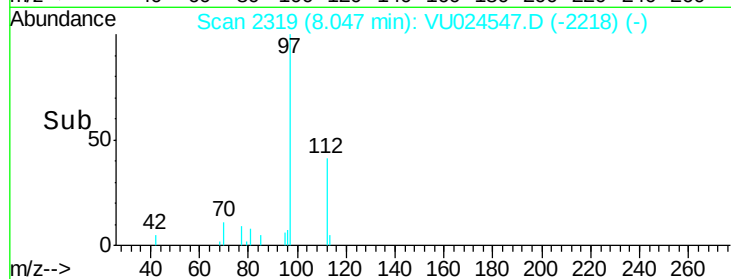
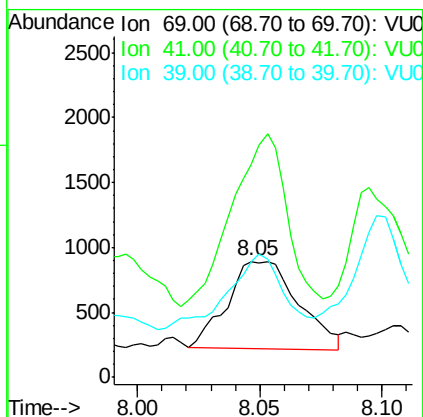
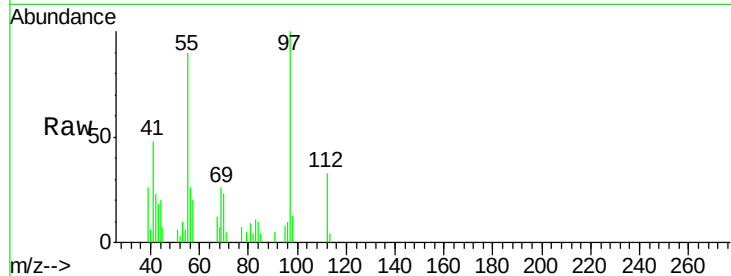




#56
Ethyl methacrylate
Concen: 0.320 ug/l
RT: 8.05 min Scan# 2319
Delta R.T. 0.03 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

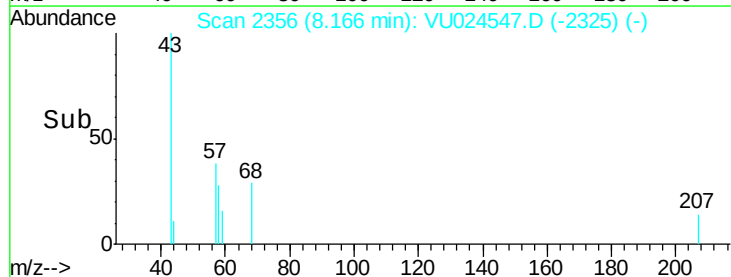
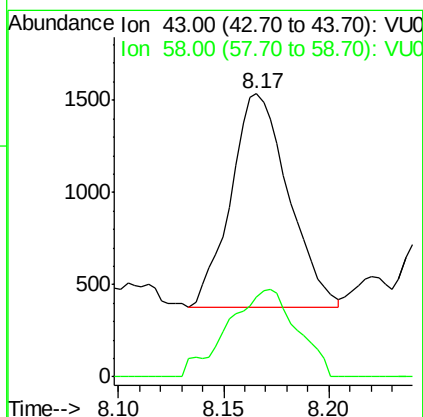
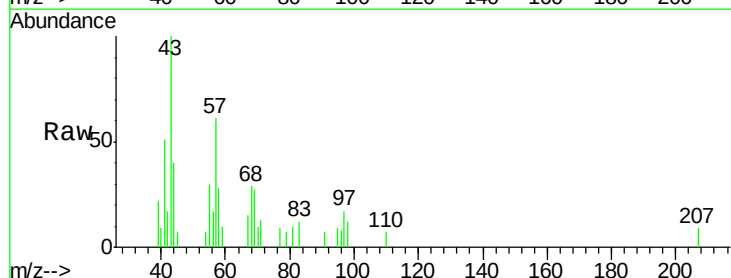
Instrument :
MSVOA_U
ClientSampled :

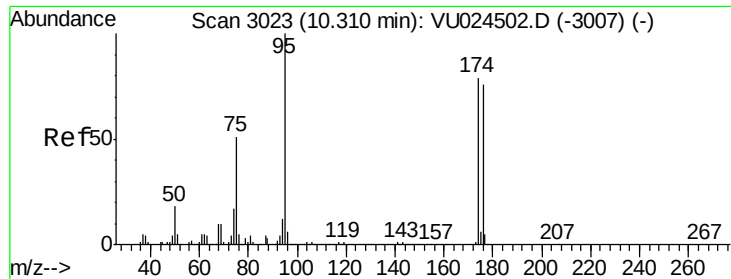
Tot Ion: 69 Resp: 1345
Ion Ratio Lower Upper
69 100
41 173.7 54.1 81.1#
39 79.8 30.3 45.5#



#59
2-Hexanone
Concen: 0.677 ug/l
RT: 8.17 min Scan# 2356
Delta R.T. -0.20 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

Tgt Ion: 43 Resp: 2203
Ion Ratio Lower Upper
43 100
58 49.3 26.4 79.0





#62

4-Bromofluorobenzene

Concen: 48.638 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

Instrument :

MSVOA_U

ClientSampleId :

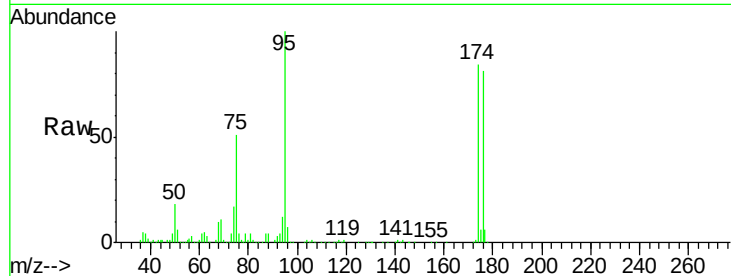
Tot Ion: 95 Resp: 167440

Ion Ratio Lower Upper

95 100

174 85.6 0.0 165.8

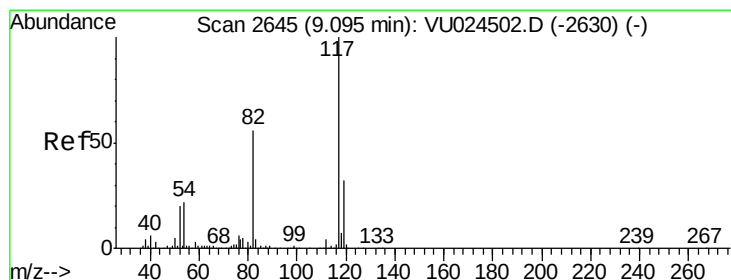
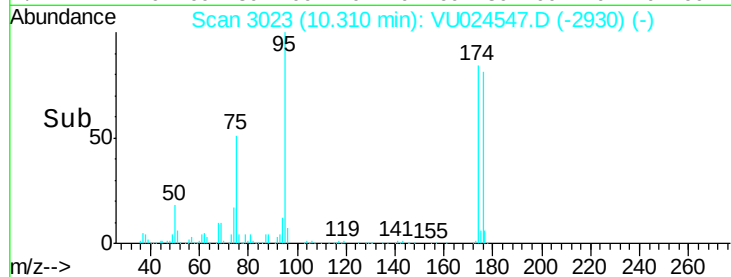
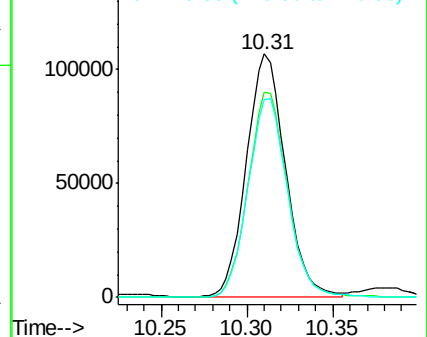
176 83.5 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

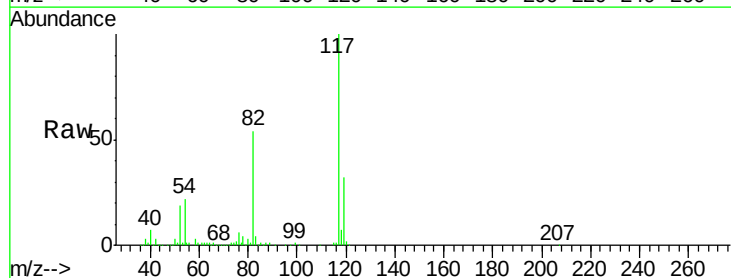
Tgt Ion: 117 Resp: 282346

Ion Ratio Lower Upper

117 100

82 54.2 44.3 66.5

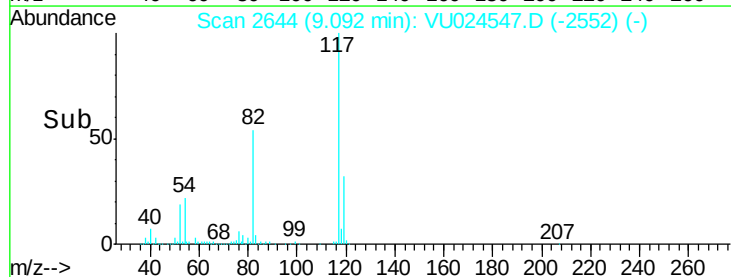
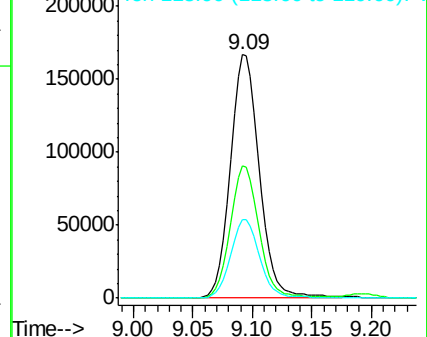
119 32.2 25.4 38.2

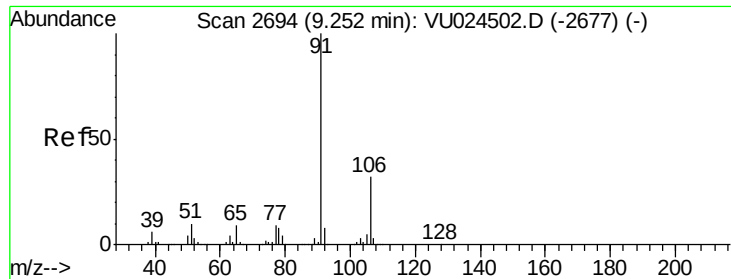


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)

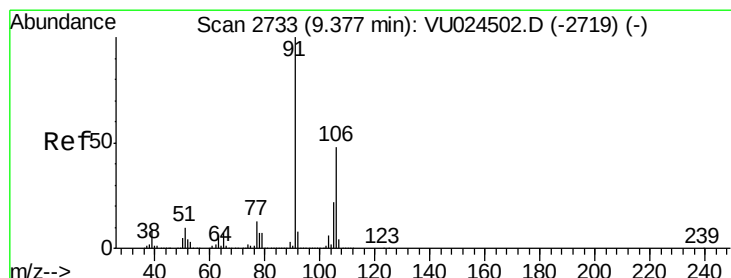
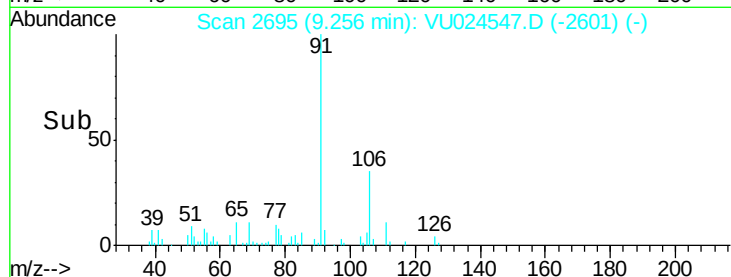
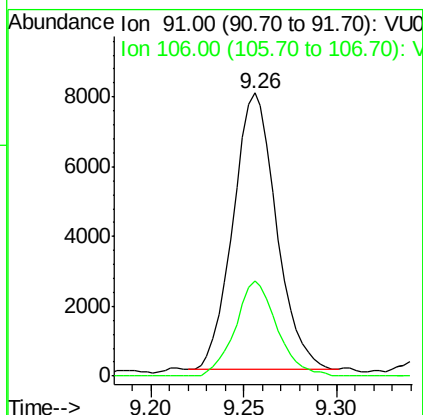
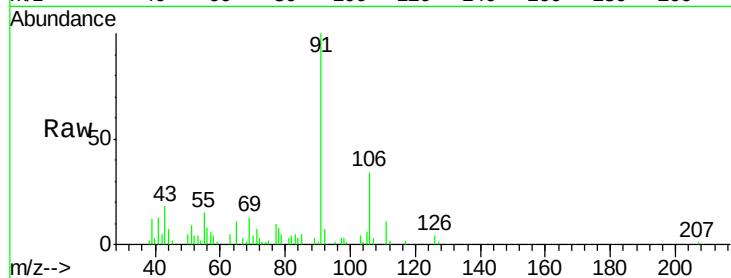




#67
Ethyl Benzene
Concen: 1.015 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

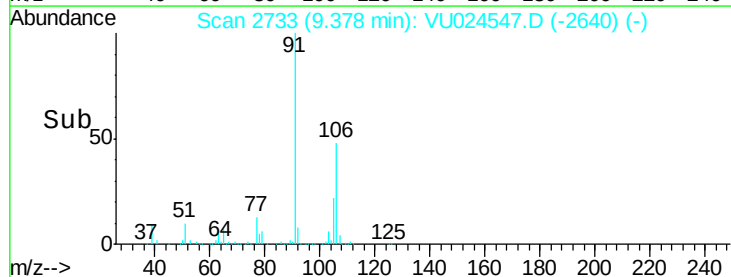
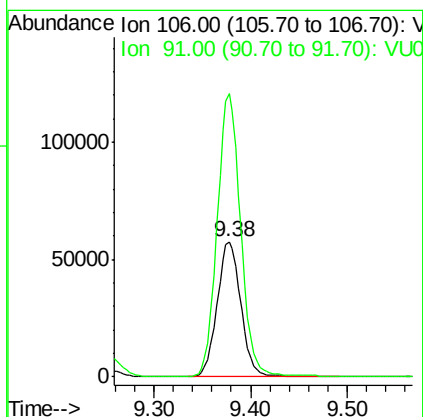
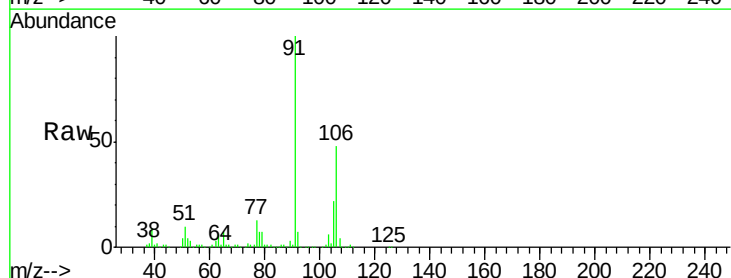
Instrument :
MSVOA_U
ClientSampleId :

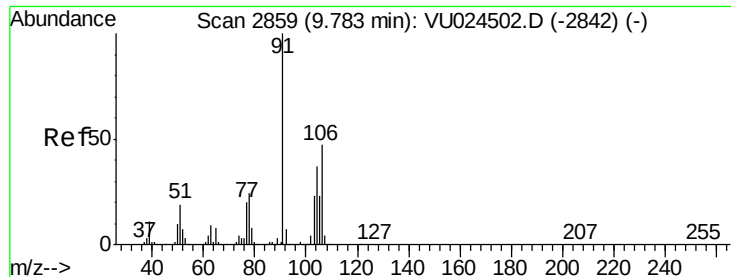
Tot Ion: 91 Resp: 12838
Ion Ratio Lower Upper
91 100
106 34.6 24.2 36.4



#68
m/p-Xylenes
Concen: 20.227 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

Tgt Ion: 106 Resp: 98214
Ion Ratio Lower Upper
106 100
91 206.0 166.5 249.7

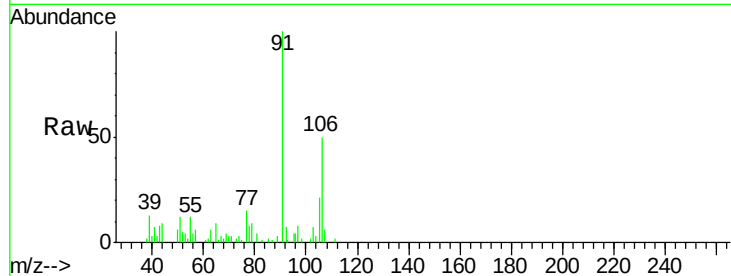




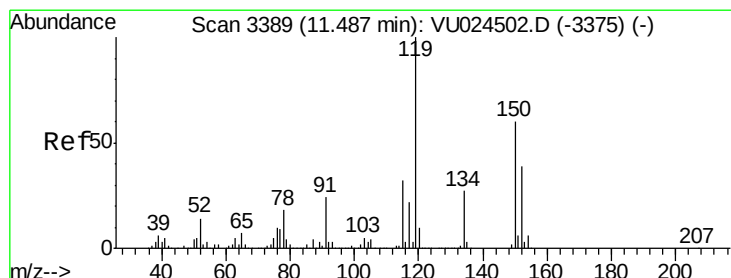
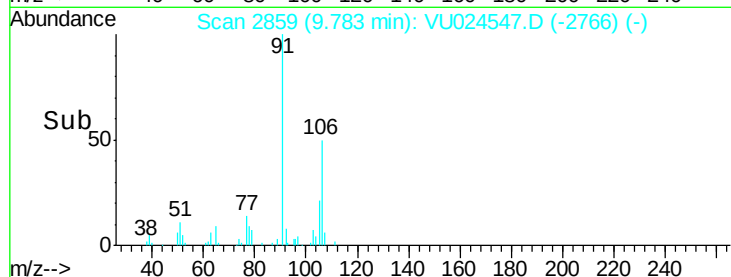
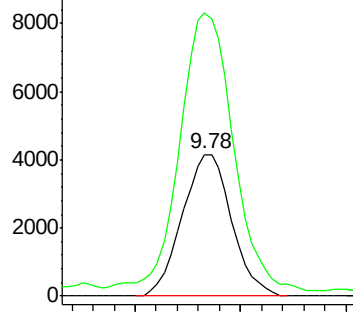
#69
o-Xylene
Concen: 1.407 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 6760
Ion Ratio Lower Upper
106 100
91 212.2 110.7 331.9

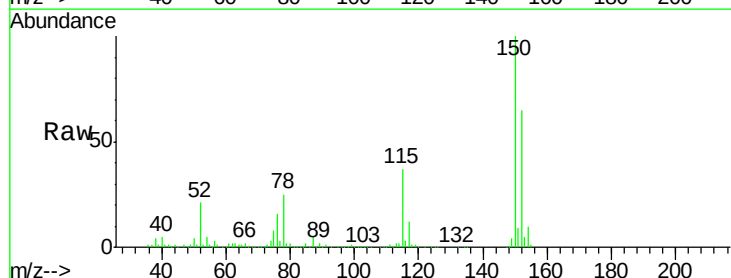


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

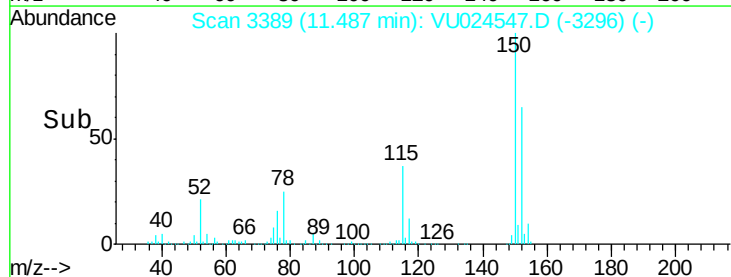
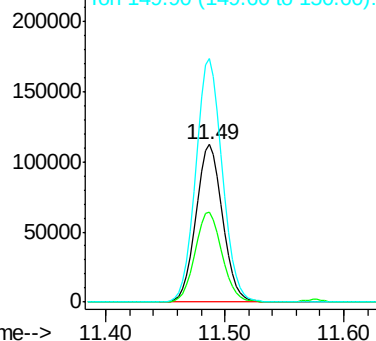


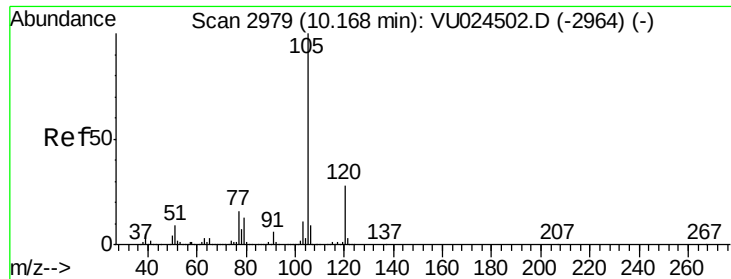
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

Tgt Ion:152 Resp: 174046
Ion Ratio Lower Upper
152 100
115 57.5 43.0 129.0
150 154.2 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: 51.342 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

Instrument :

MSVOA_U

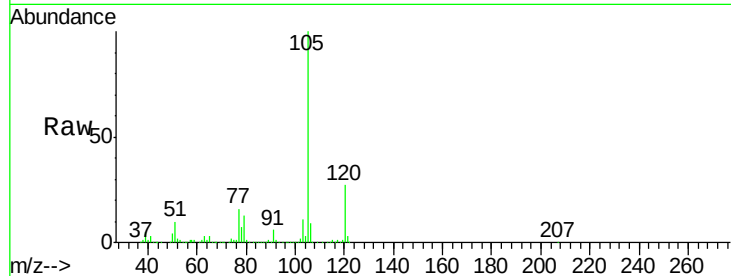
ClientSampleId :

Tot Ion:105 Resp: 686059

Ion Ratio Lower Upper

105 100

120 27.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

400000

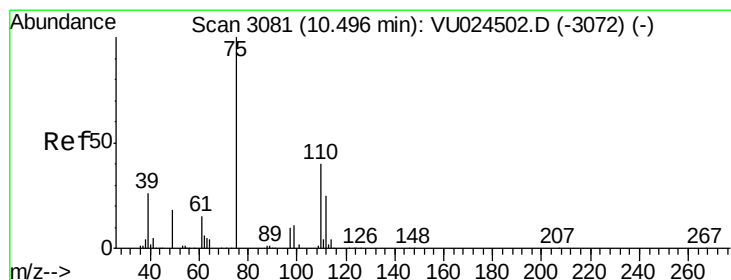
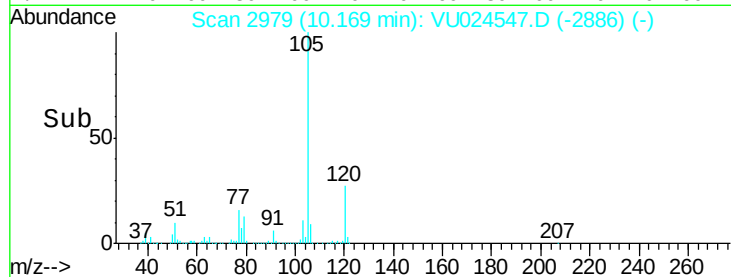
300000

200000

100000

0

Time--> 10.10 10.20



#76

1,2,3-Trichloropropane

Concen: 2.305 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.09 min

Lab File: VU024547.D

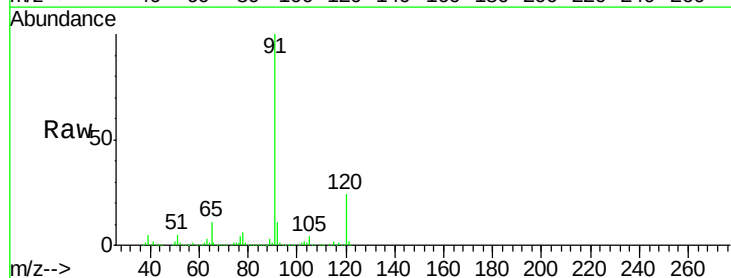
Acq: 14 Jun 2018 18:02

Tgt Ion: 75 Resp: 8831

Ion Ratio Lower Upper

75 100

77 676.7 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.59

40000

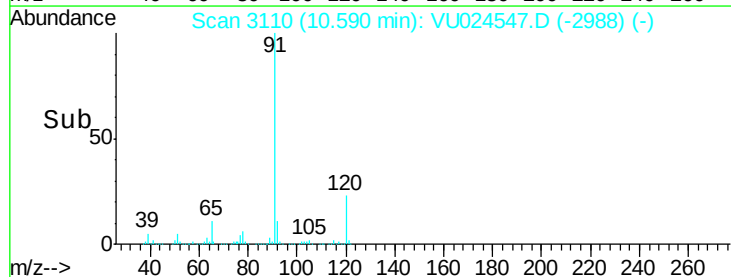
30000

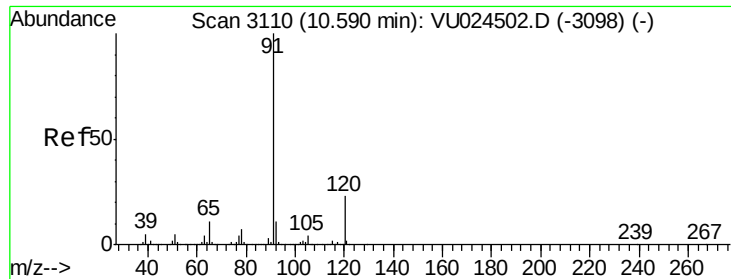
20000

10000

0

Time--> 10.55 10.60





#78

n-propylbenzene

Concen: 93.322 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

Instrument :

MSVOA_U

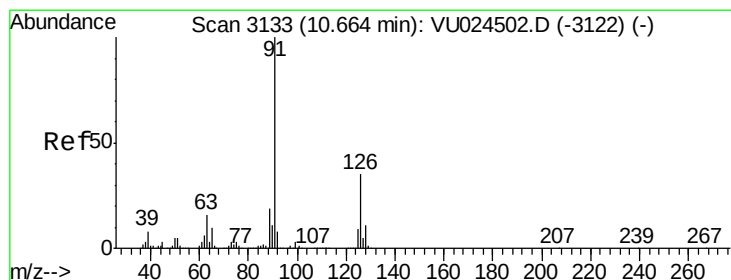
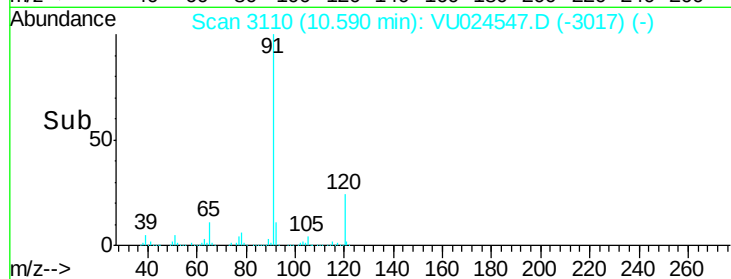
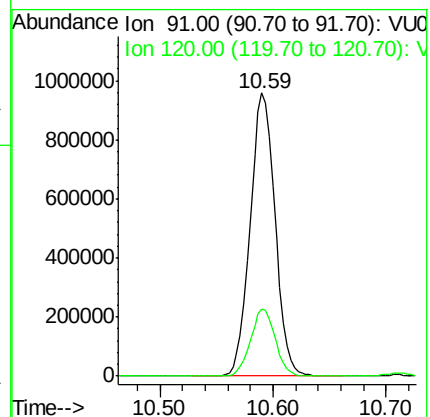
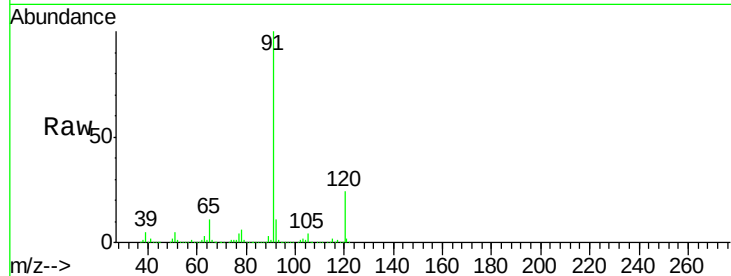
ClientSampleId :

Tot Ion: 91 Resp: 1468983

Ion Ratio Lower Upper

91 100

120 23.5 11.2 33.5



#79

2-Chlorotoluene

Concen: 158.250 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.07 min

Lab File: VU024547.D

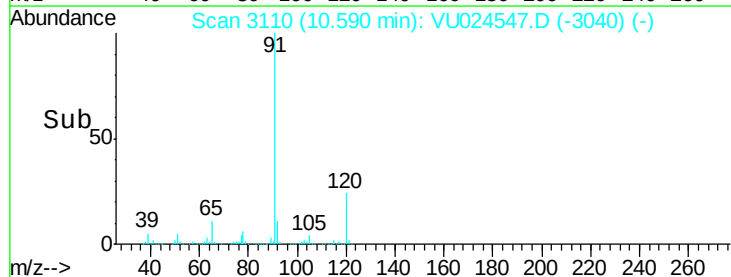
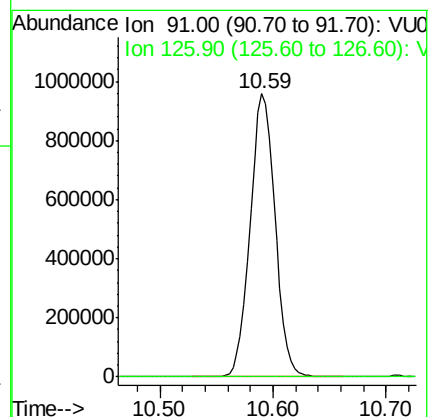
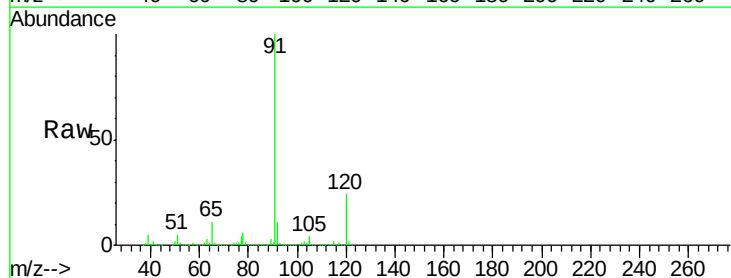
Acq: 14 Jun 2018 18:02

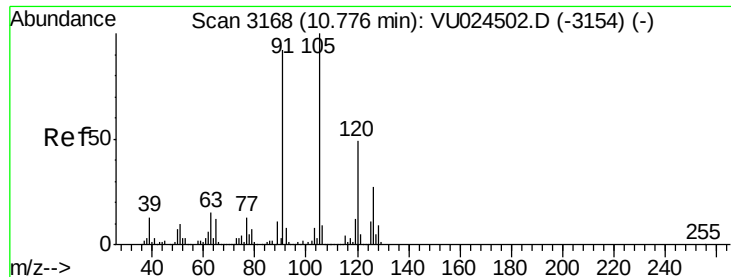
Tgt Ion: 91 Resp: 1468983

Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.7#





#80

1,3,5-Trimethylbenzene

Concen: 4.982 ug/l

RT: 10.71 min Scan# 3147

Delta R.T. -0.07 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

Instrument :

MSVOA_U

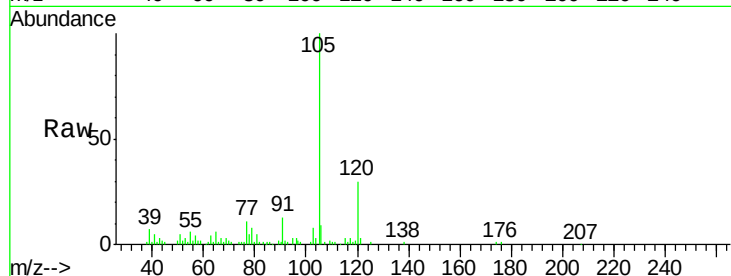
ClientSampled :

Tot Ion:105 Resp: 57701

Ion Ratio Lower Upper

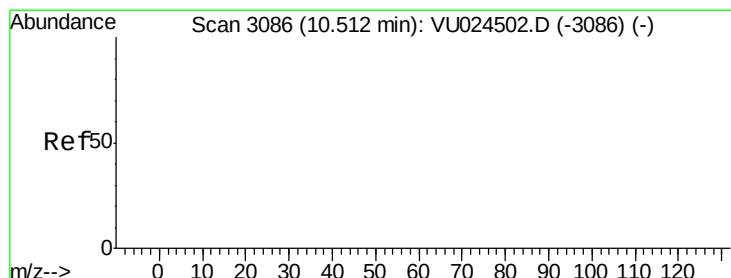
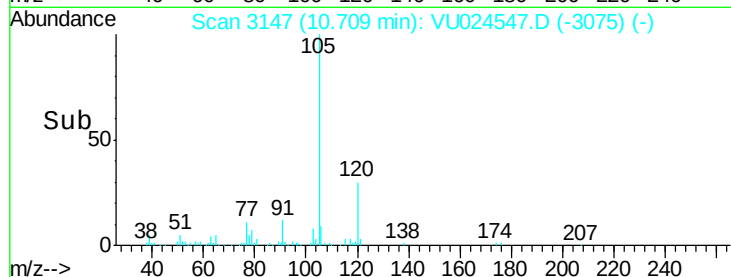
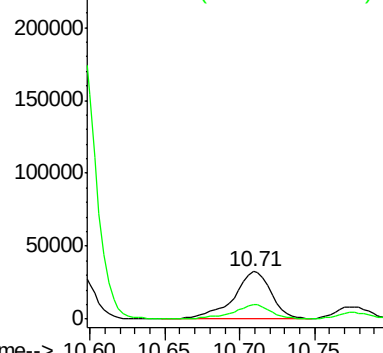
105 100

120 30.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 5.334 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.08 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

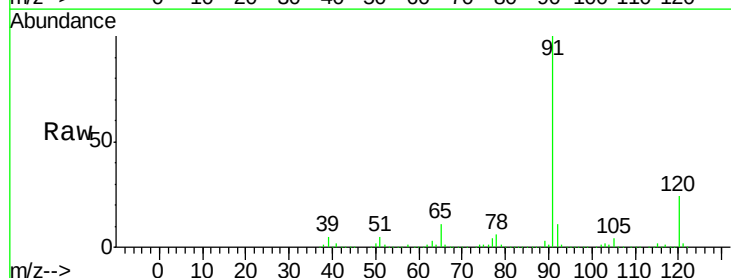
Tgt Ion: 75 Resp: 8831

Ion Ratio Lower Upper

75 100

53 75.8 0.0 0.0#

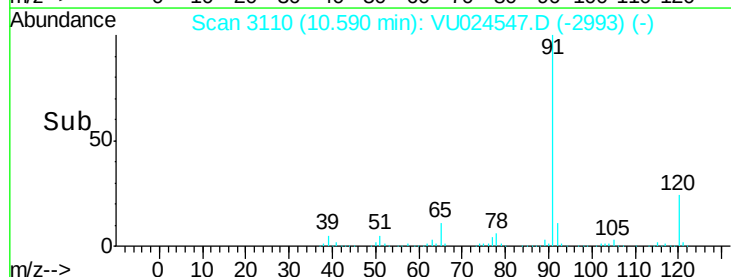
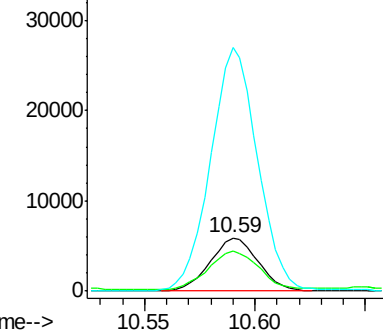
89 454.1 0.0 0.0#

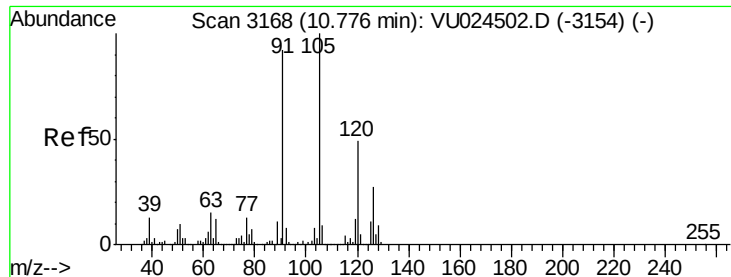


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#82

4-Chlorotoluene

Concen: 135.965 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.19 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

Instrument :

MSVOA_U

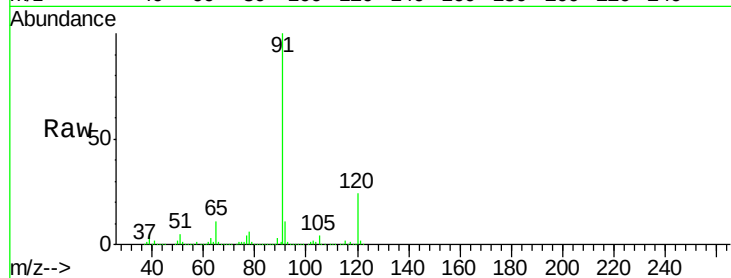
ClientSampleId :

Tot Ion: 91 Resp: 1468983

Ion Ratio Lower Upper

91 100

126 0.0 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3154) (-)

Ion 125.90 (125.60 to 126.60): VU024502.D (-3154) (-)

10.59

800000

600000

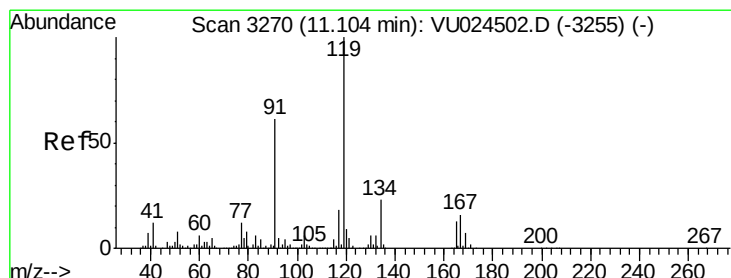
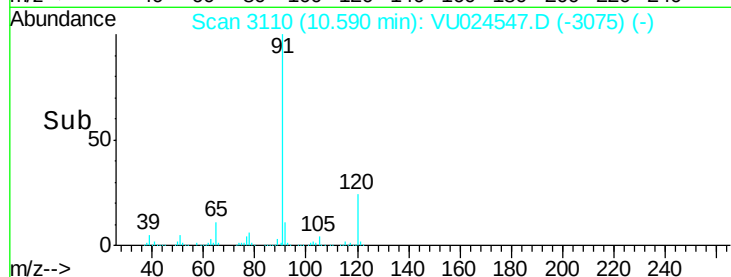
400000

200000

0

10.50 10.60 10.70

Time-->



#83

tert-Butylbenzene

Concen: 3.092 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

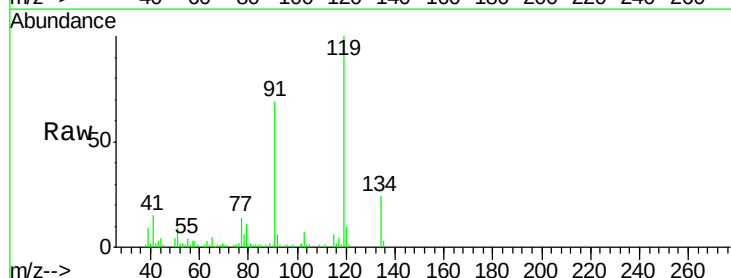
Tgt Ion: 119 Resp: 34449

Ion Ratio Lower Upper

119 100

91 69.3 29.7 89.1

134 24.3 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): VU024502.D (-3255) (-)

Ion 91.00 (90.70 to 91.70): VU024502.D (-3255) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3255) (-)

11.10

30000

25000

20000

15000

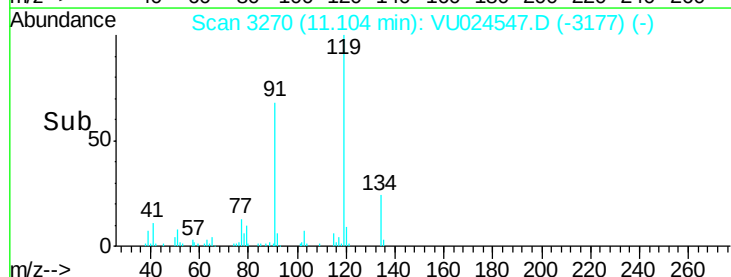
10000

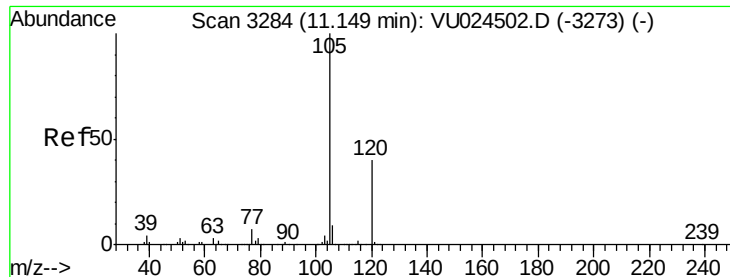
5000

0

11.05 11.10 11.15

Time-->

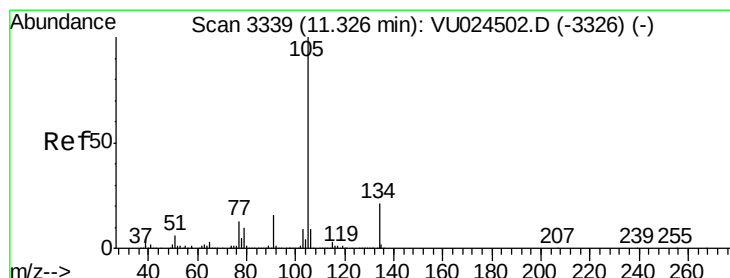
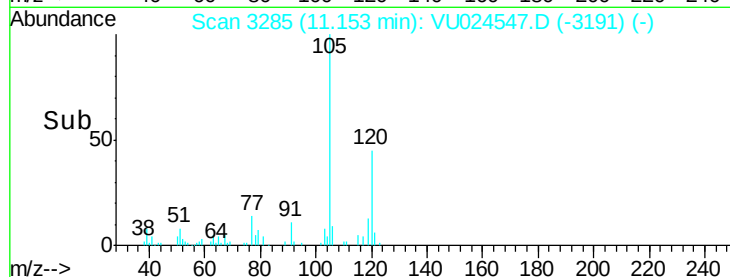
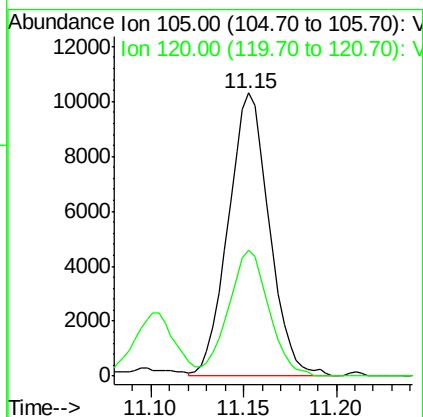
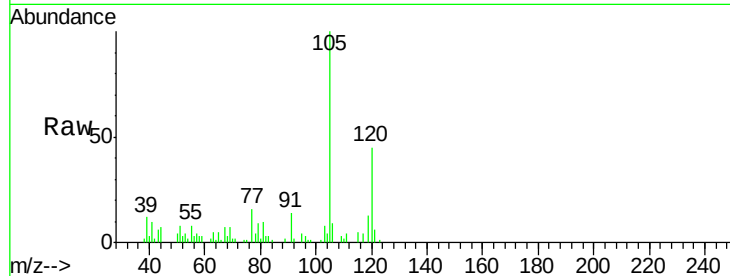




#84
 1,2,4-Trimethylbenzene
 Concen: 1.340 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024547.D
 Acq: 14 Jun 2018 18:02

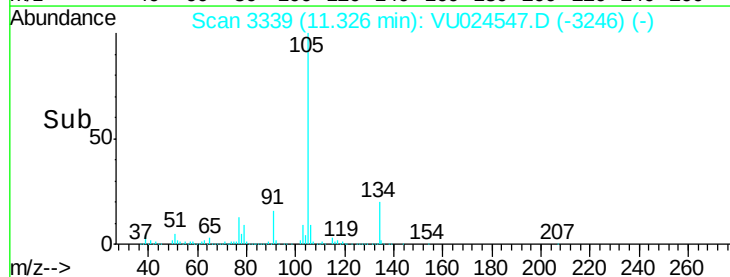
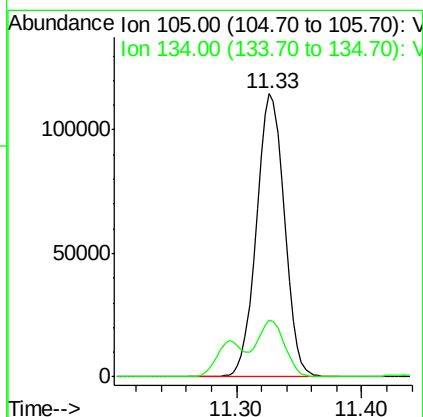
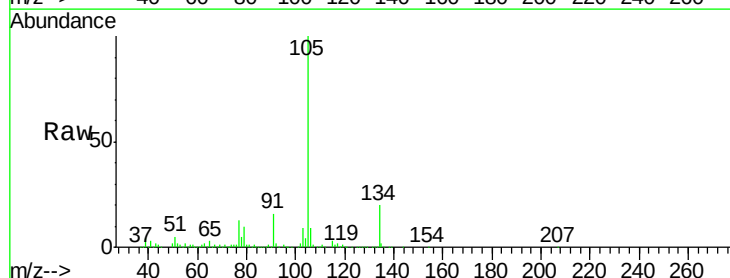
Instrument :
 MSVOA_U
 ClientSampled :

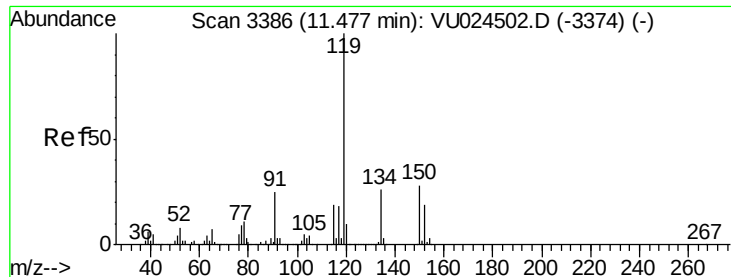
Tot Ion:105 Resp: 15815
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 12.760 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024547.D
 Acq: 14 Jun 2018 18:02

Tgt Ion:105 Resp: 177944
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1





#86

p-Isopropyltoluene

Concen: 6.128 ug/l

RT: 11.69 min Scan# 3453

Delta R.T. 0.22 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

Instrument :

MSVOA_U

ClientSampleId :

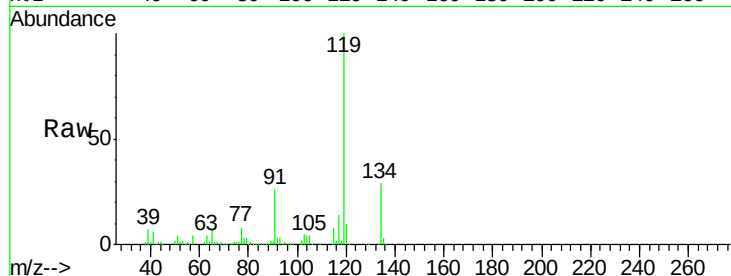
Tot Ion:119 Resp: 76533

Ion Ratio Lower Upper

119 100

134 28.2 12.9 38.6

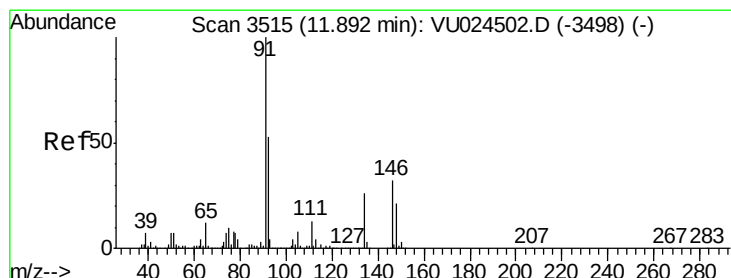
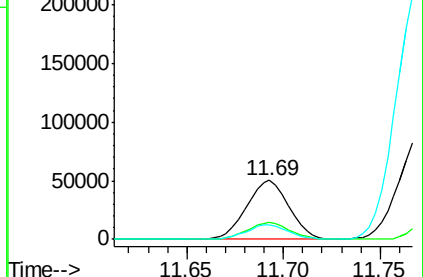
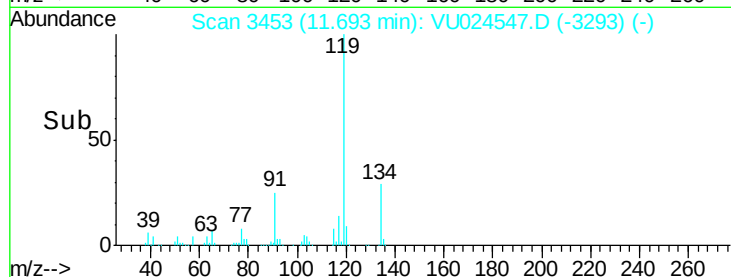
91 24.5 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 9.437 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024547.D

Acq: 14 Jun 2018 18:02

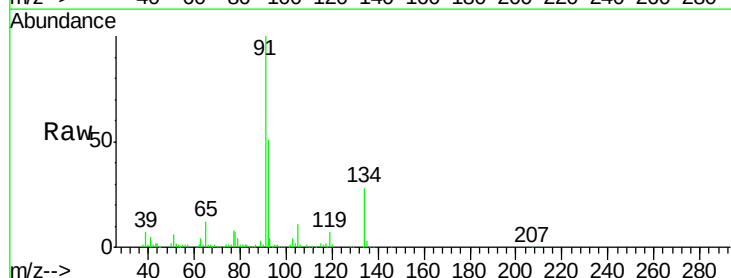
Tgt Ion: 91 Resp: 104643

Ion Ratio Lower Upper

91 100

92 45.3 25.6 76.8

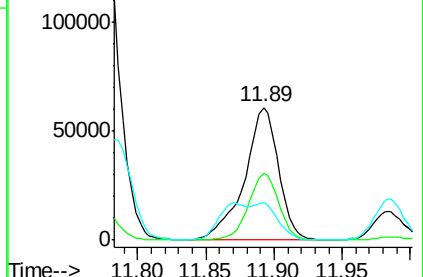
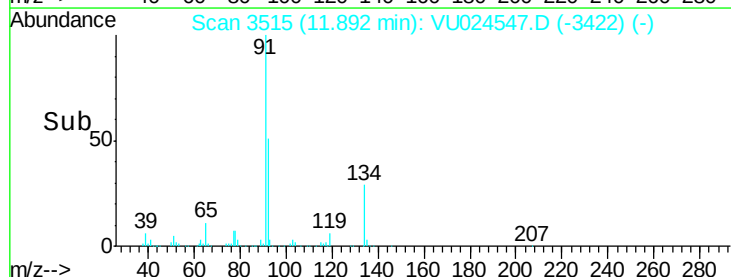
134 0.0 12.3 36.8#

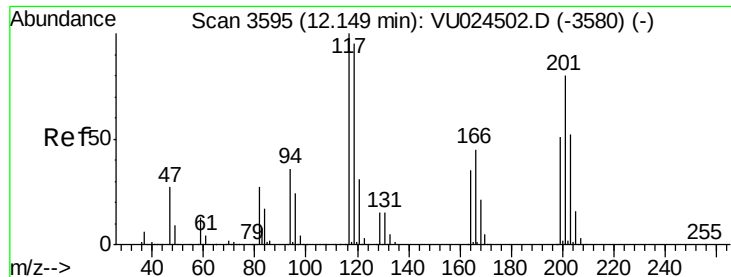


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

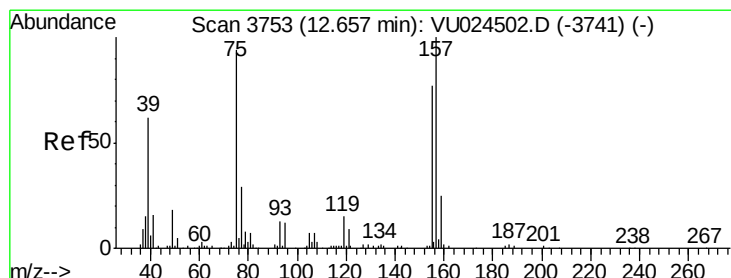
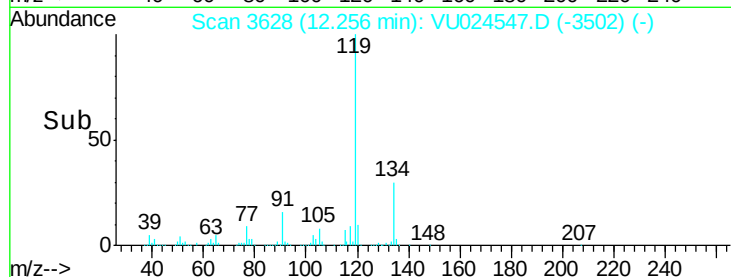
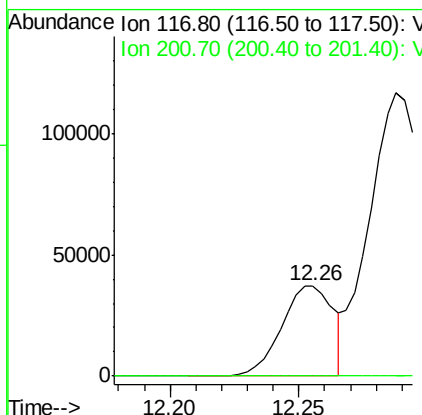
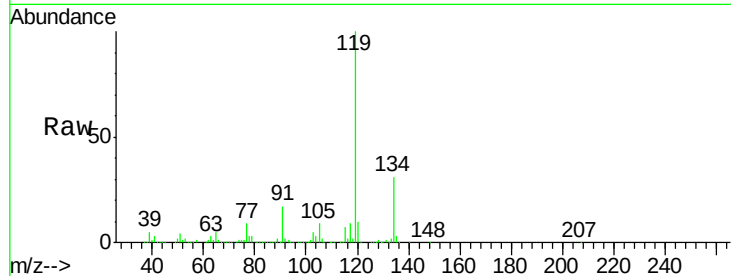




#90
Hexachloroethane
Concen: 21.245 ug/l
RT: 12.26 min Scan# 3628
Delta R.T. 0.11 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

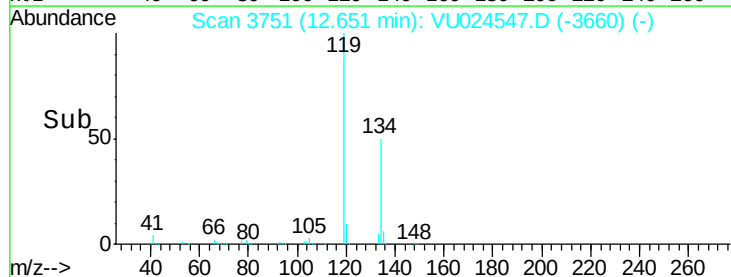
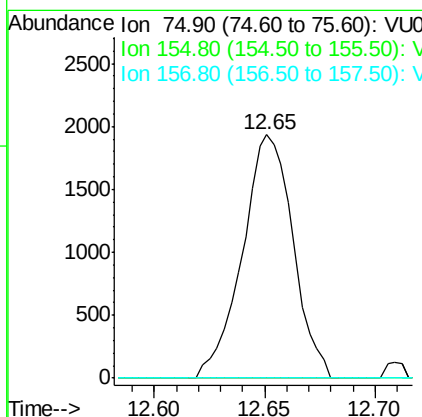
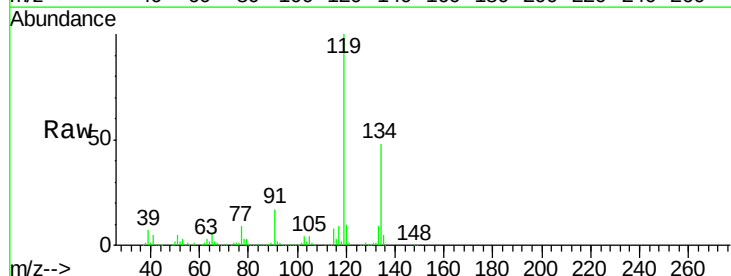
Instrument :
MSVOA_U
ClientSampleId :

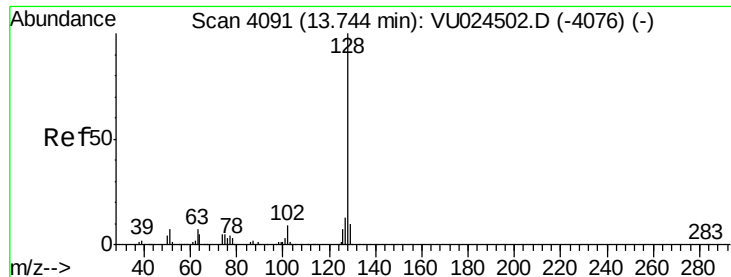
Tot Ion:117 Resp: 51763
Ion Ratio Lower Upper
117 100
201 0.0 41.1 123.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.487 ug/l
RT: 12.65 min Scan# 3751
Delta R.T. -0.01 min
Lab File: VU024547.D
Acq: 14 Jun 2018 18:02

Tgt Ion: 75 Resp: 3073
Ion Ratio Lower Upper
75 100
155 0.0 40.4 121.2#
157 0.0 52.3 156.8#

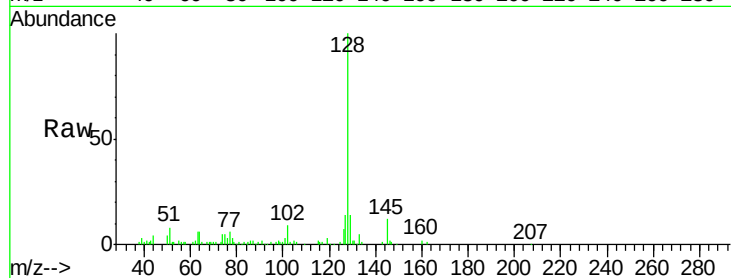




#95
 Naphthalene
 Concen: 4.284 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU024547.D
 Acq: 14 Jun 2018 18:02

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.6	16.0
129	15.5	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

