

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070518\
 Data File : VU025220.D
 Acq On : 05 Jul 2018 17:03
 Operator : MD/SY
 Sample : J3808-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 06 05:14:56 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	244733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.90	114	372446	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	357994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	193758	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	180154	45.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.18%		
35) Dibromofluoromethane	4.90	113	137870	44.60	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.20%		
50) Toluene-d8	7.57	98	542169	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.18%		
62) 4-Bromofluorobenzene	10.31	95	207601	46.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.76%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.40	50	117347	37.50	ug/l	# 42
5) Bromomethane	1.64	94	691	0.44	ug/l	82
8) Diethyl Ether	2.28	74	507	Below Cal		# 8
9) 1,1,2-Trichlorotrifluoroet	2.29	101	4102	1.34	ug/l	# 52
10) Methyl Iodide	2.42	142	260	5.38	ug/l	# 40
11) Tert butyl alcohol	2.82	59	24312	25.02	ug/l	99
12) 1,1-Dichloroethene	2.29	96	1250269	448.66	ug/l	97
14) Allyl chloride	2.71	41	8992	1.74	ug/l	# 51
15) Acrylonitrile	2.81	53	647	0.34	ug/l	# 27
16) Acetone	2.32	43	12773	5.95	ug/l	98
17) Carbon Disulfide	2.48	76	2253	0.25	ug/l	# 75
20) Methylene Chloride	2.71	84	11738	3.48	ug/l	94
21) trans-1,2-Dichloroethene	2.99	96	1431577	466.43	ug/l	98
24) 1,1-Dichloroethane	3.46	63	99257	16.82	ug/l	99
29) Tetrahydrofuran	4.66	42	10730	6.01	ug/l	95
30) Chloroform	4.69	83	213910	35.82	ug/l	98
31) Cyclohexane	5.01	56	66284	11.12	ug/l	# 91
36) 1,1-Dichloropropene	4.99	75	17908	4.09	ug/l	# 50
37) Ethyl Acetate	4.33	43	7264	1.52	ug/l	# 70
38) Carbon Tetrachloride	4.99	117	23889	4.96	ug/l	# 16
39) Methylcyclohexane	6.44	83	40469	7.41	ug/l	95
40) Benzene	5.40	78	1068127	85.65	ug/l	99
42) 1,2-Dichloroethane	5.41	62	32257	6.79	ug/l	93
45) 1,2-Dichloropropane	6.24	63	304630	91.55	ug/l	# 1
46) Dibromomethane	6.29	93	3637	1.56	ug/l	# 4
48) Methyl methacrylate	6.65	41	935	0.23	ug/l	# 82
51) 4-Methyl-2-Pentanone	7.47	43	11997	2.32	ug/l	94
52) Toluene	7.64	92	1812363	225.89	ug/l	98
53) t-1,3-Dichloropropene	7.64	75	22736	4.35	ug/l	# 1
55) 1,1,2-Trichloroethane	8.07	97	180646	55.39	ug/l	99
59) 2-Hexanone	8.17	43	161980	38.30	ug/l	76
60) Dibromochloromethane	8.23	129	11119	2.73	ug/l	# 11
64) Tetrachloroethene	8.23	164	11181	3.29	ug/l	94
65) Chlorobenzene	9.12	112	357254	39.06	ug/l	98

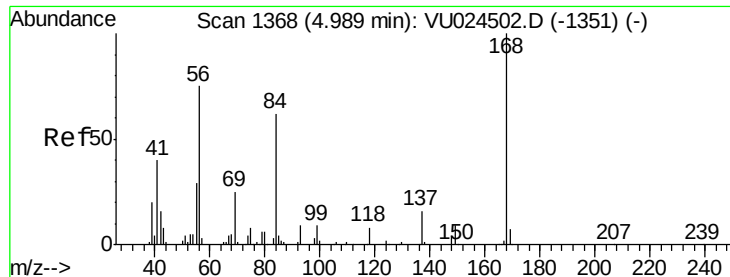
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025220.D
 Acq On : 05 Jul 2018 17:03
 Operator : MD/SY
 Sample : J3808-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 06 05:14:56 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)
67) Ethyl Benzene	9.26	91	93419	5.83	ug/l	100
68) m/p-Xylenes	9.38	106	60540	9.83	ug/l	99
69) o-Xylene	9.78	106	37675	6.18	ug/l	94
70) Styrene	9.80	104	19218	1.92	ug/l #	79
73) Isopropylbenzene	10.17	105	64836	4.36	ug/l	99
74) N-amyl acetate	10.08	43	5803	0.82	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	10.46	83	2928	0.59	ug/l	77
76) 1,2,3-Trichloropropane	10.31	75	105683	24.77	ug/l #	36
78) n-propylbenzene	10.59	91	19530	1.11	ug/l	96
79) 2-Chlorotoluene	10.68	91	2613	0.25	ug/l #	41
80) 1,3,5-Trimethylbenzene	10.78	105	20823	1.61	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.31	75	105683	57.34	ug/l #	100
82) 4-Chlorotoluene	10.78	91	2663	0.22	ug/l #	45
83) tert-Butylbenzene	11.10	119	29767	2.40	ug/l	92
84) 1,2,4-Trimethylbenzene	11.15	105	46634	3.55	ug/l	98
85) sec-Butylbenzene	11.33	105	34561	2.23	ug/l	100
86) p-Isopropyltoluene	11.43	119	4690	0.34	ug/l	90
87) 1,3-Dichlorobenzene	11.42	146	52747	7.58	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	111711	15.95	ug/l	98
89) n-Butylbenzene	11.89	91	4706	0.38	ug/l #	41
90) Hexachloroethane	12.29	117	2910	1.07	ug/l #	8
91) 1,2-Dichlorobenzene	11.88	146	306279	43.95	ug/l	99
95) Naphthalene	13.75	128	89552	6.88	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

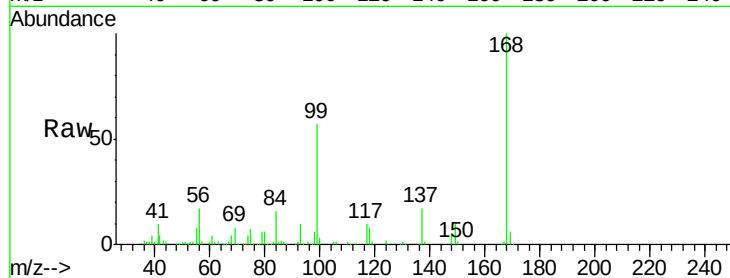
ClientSampleId :

Tot Ion:168 Resp: 244733

Ion Ratio Lower Upper

168 100

99 56.5 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

4.99

120000

100000

80000

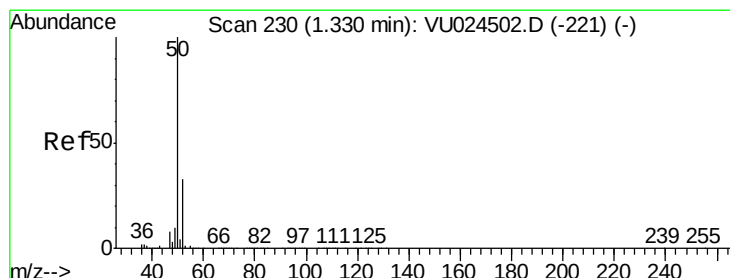
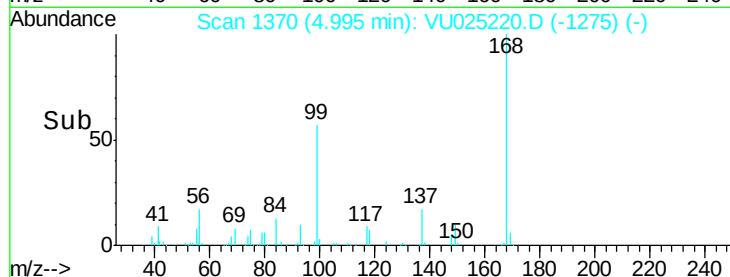
60000

40000

20000

0

Time--> 4.90 4.95 5.00 5.05



#3

Chloromethane

Concen: 37.50 ug/l

RT: 1.40 min Scan# 252

Delta R.T. 0.07 min

Lab File: VU025220.D

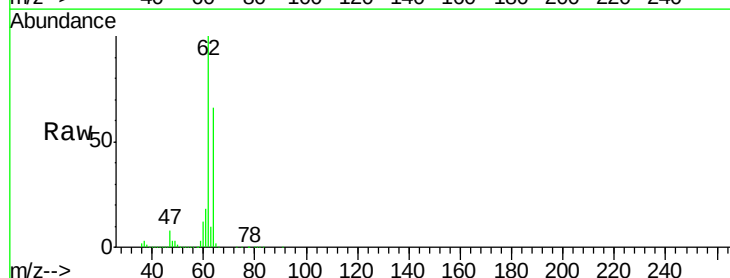
Acq: 05 Jul 2018 17:03

Tgt Ion: 50 Resp: 117347

Ion Ratio Lower Upper

50 100

52 0.5 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

1.40

100000

80000

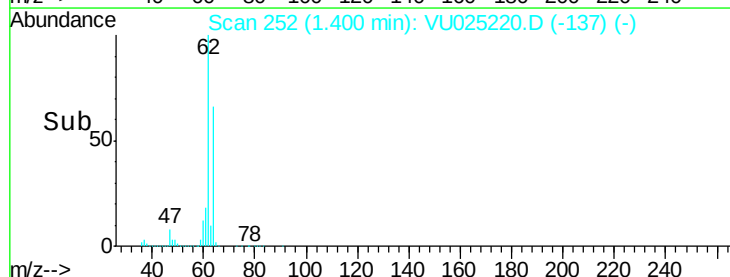
60000

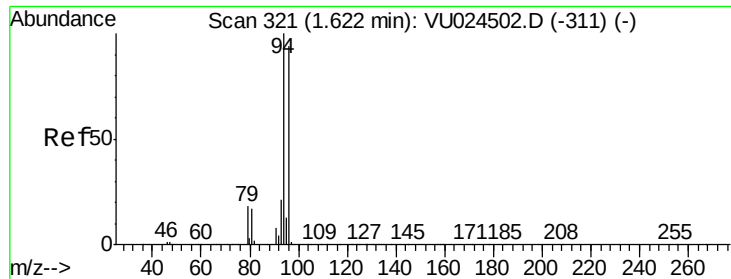
40000

20000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 0.44 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

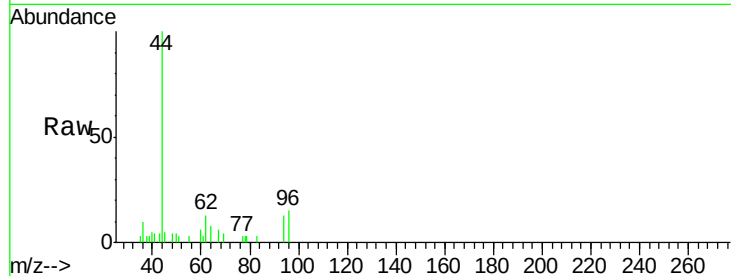
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 691

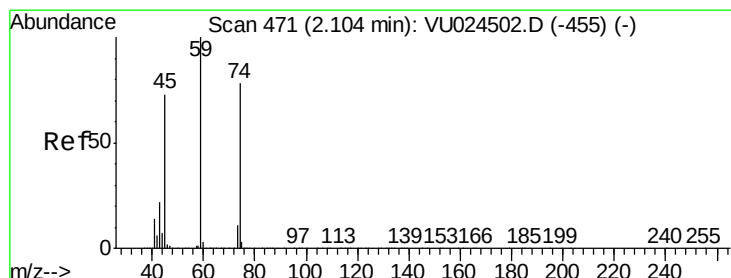
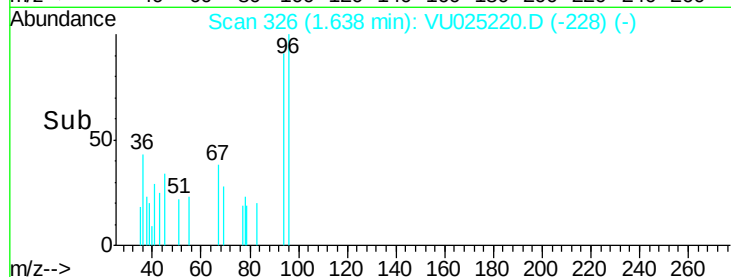
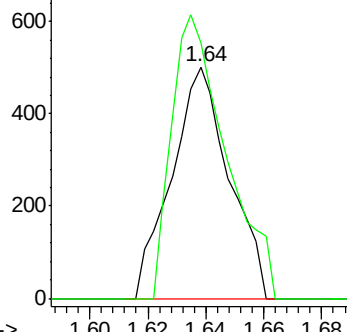
Ion Ratio Lower Upper

94 100

96 110.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0
Ion 95.90 (95.60 to 96.60): VU0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.28 min Scan# 527

Delta R.T. 0.18 min

Lab File: VU025220.D

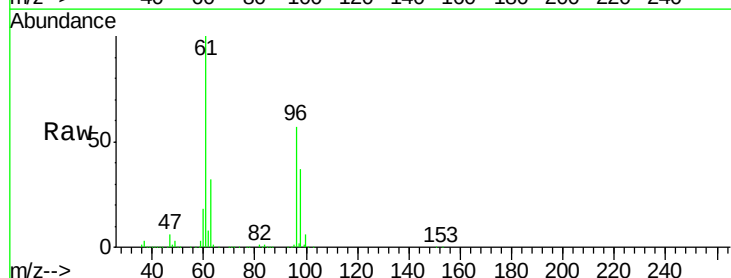
Acq: 05 Jul 2018 17:03

Tgt Ion: 74 Resp: 507

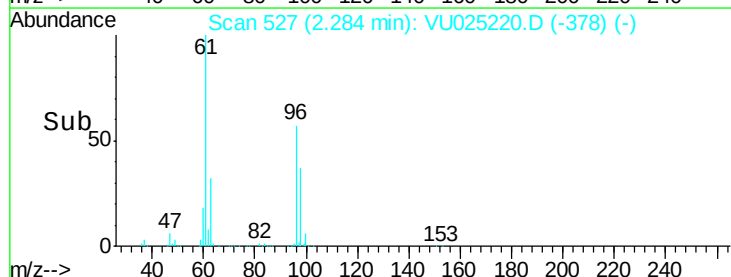
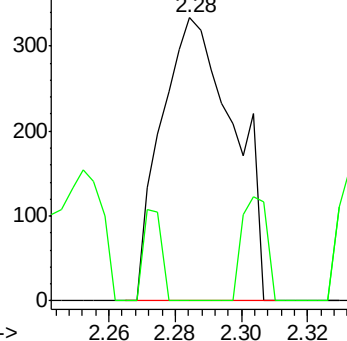
Ion Ratio Lower Upper

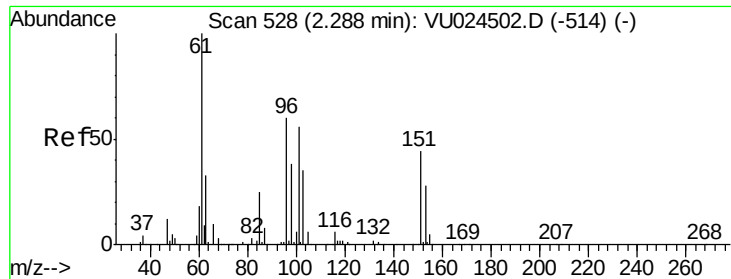
74 100

45 13.0 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU0
Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.34 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025220.D

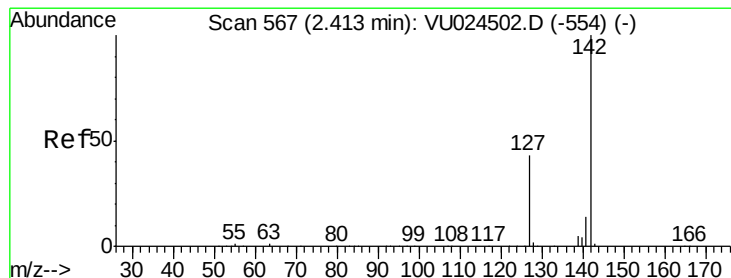
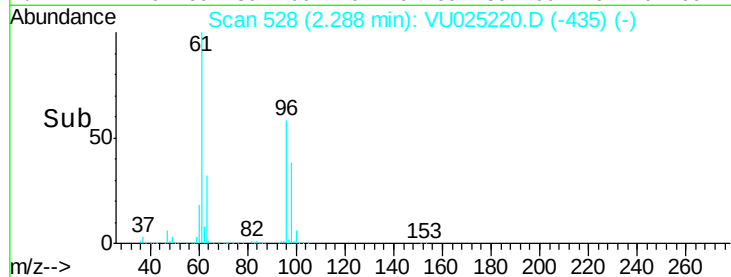
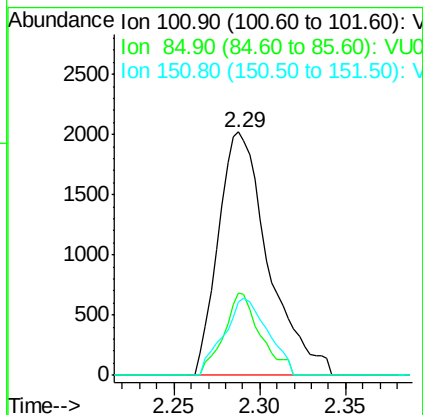
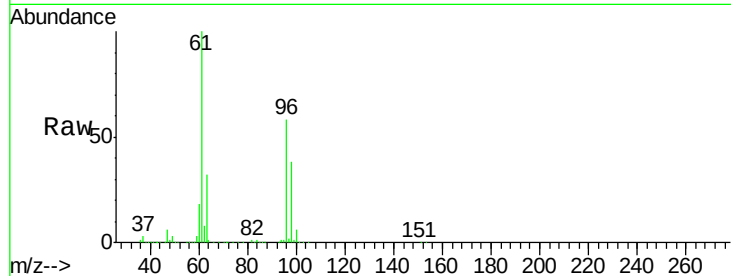
Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	101	Resp:	4102
Ion	Ratio	Lower	Upper
101	100		
85	24.9	36.0	54.0#
151	27.9	62.3	93.5#



#10

Methyl Iodide

Concen: 5.38 ug/l

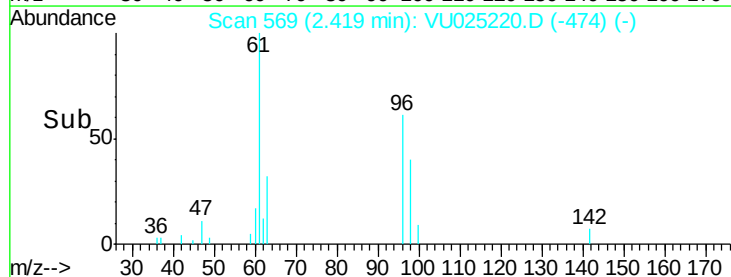
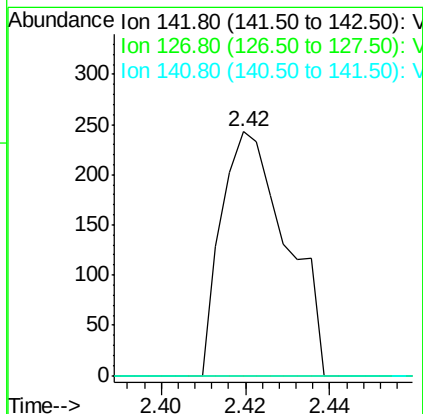
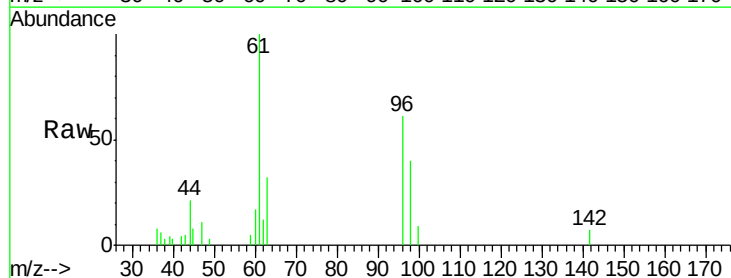
RT: 2.42 min Scan# 569

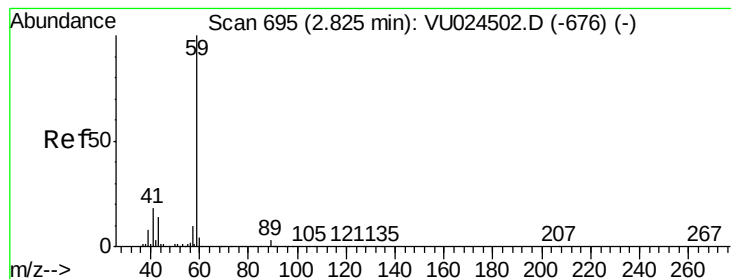
Delta R.T. 0.01 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Tgt Ion:	142	Resp:	260
Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.6	53.4#
141	0.0	11.7	17.5#



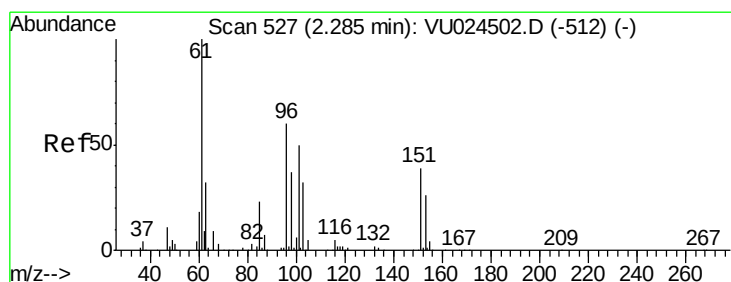
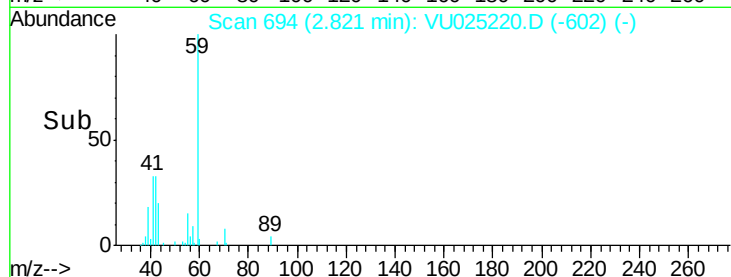
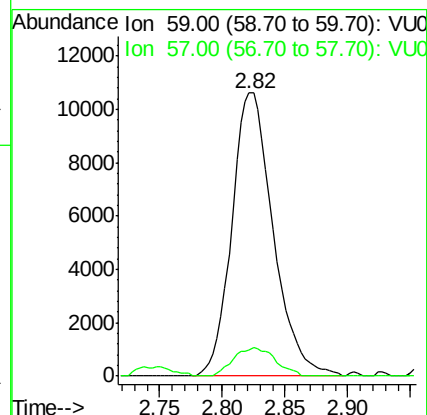
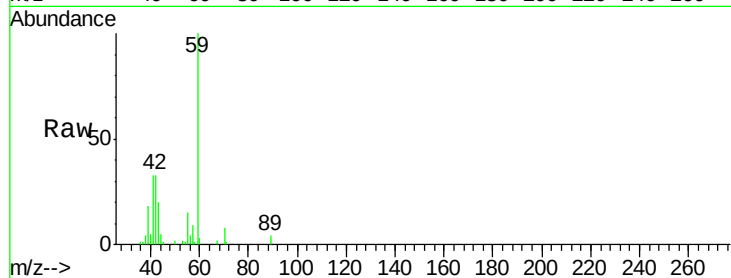


#11

Tert butyl alcohol
 Concen: 25.02 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

Instrument :
 MSVOA_U
 ClientSampled :

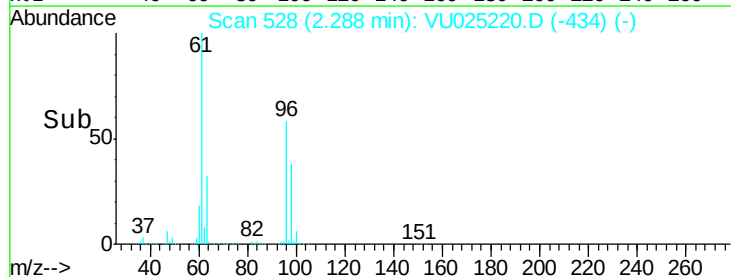
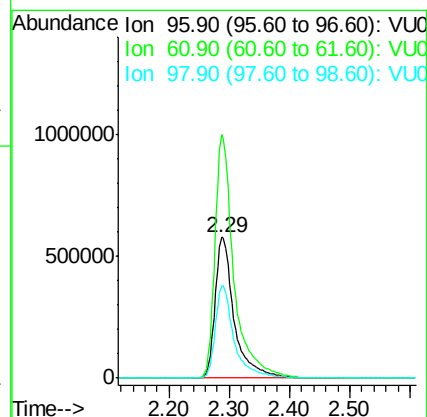
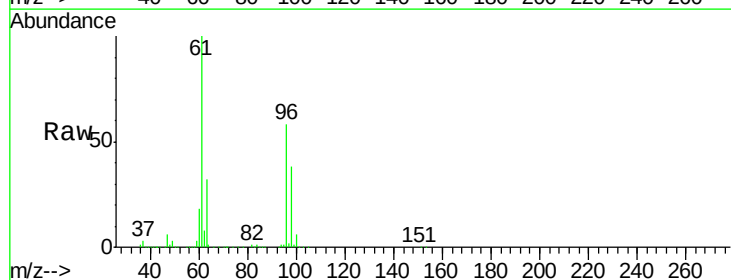
Tot Ion: 59 Resp: 24312
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7

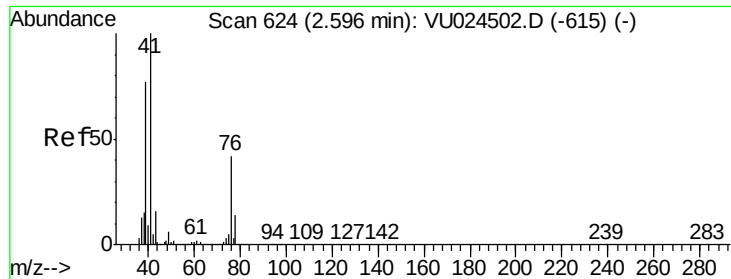


#12

1,1-Dichloroethene
 Concen: 448.66 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

Tgt Ion: 96 Resp: 1250269
 Ion Ratio Lower Upper
 96 100
 61 172.6 141.7 212.5
 98 65.3 51.6 77.4





#14

Allvl chloride

Concen: 1.74 ug/l

RT: 2.71 min Scan# 660

Delta R.T. 0.12 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

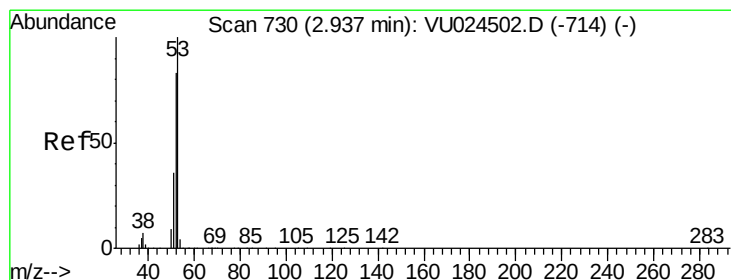
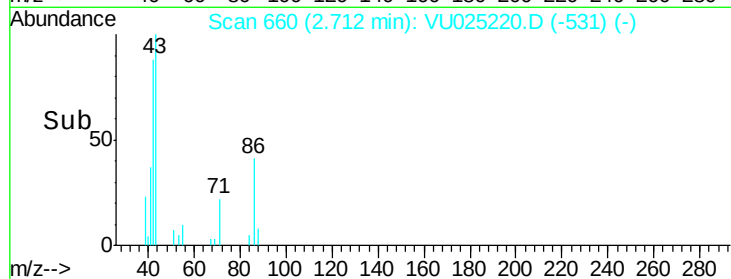
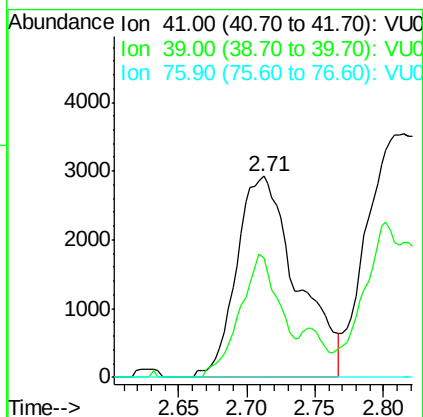
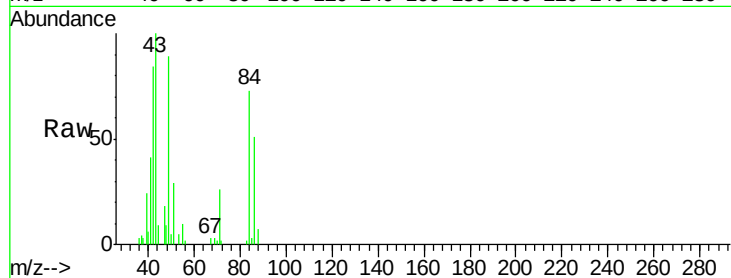
Tot Ion: 41 Resp: 8992

Ion Ratio Lower Upper

41 100

39 40.5 61.6 92.4#

76 0.0 29.7 44.5#



#15

Acrylonitrile

Concen: 0.34 ug/l

RT: 2.81 min Scan# 689

Delta R.T. -0.13 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

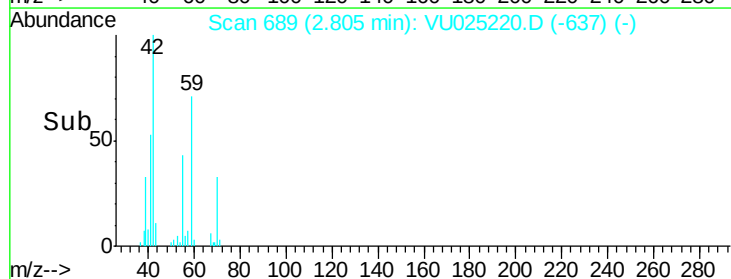
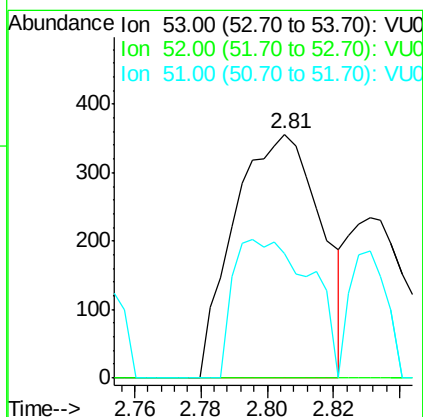
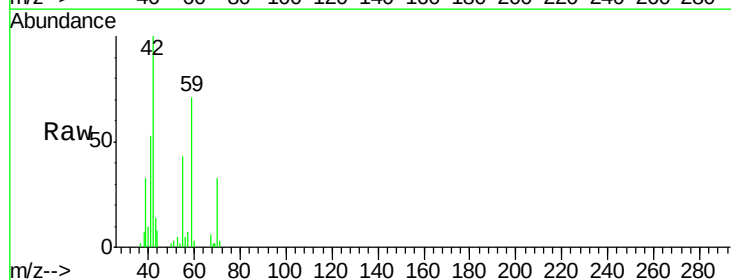
Tgt Ion: 53 Resp: 647

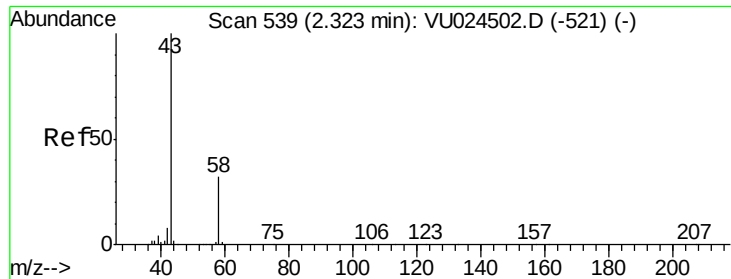
Ion Ratio Lower Upper

53 100

52 0.0 67.1 100.7#

51 50.7 28.4 42.6#





#16

Acetone

Concen: 5.95 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

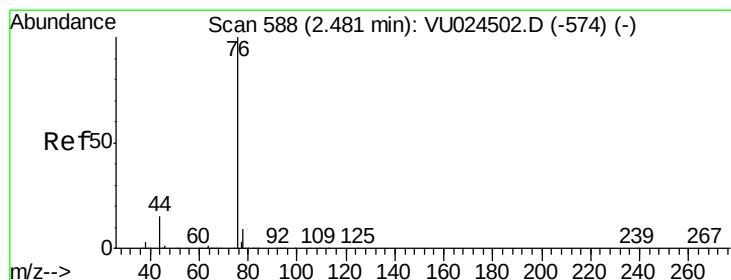
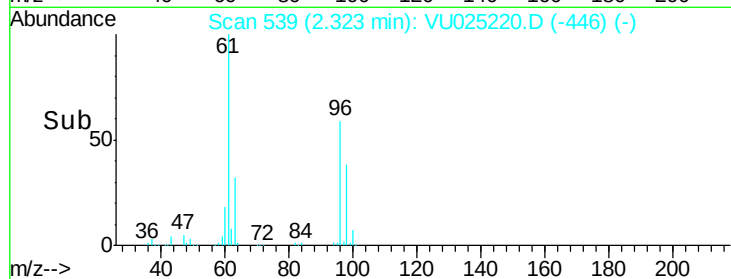
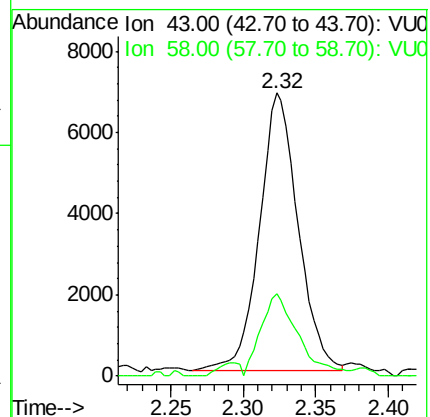
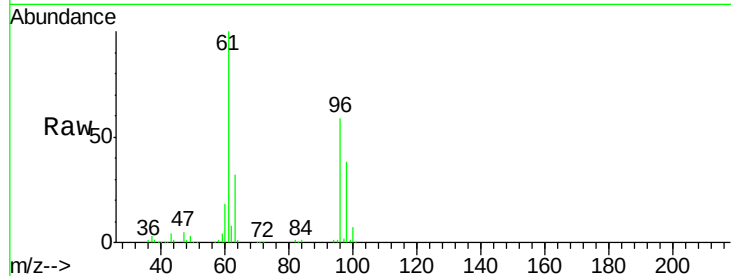
ClientSampleId :

Tot Ion: 43 Resp: 12773

Ion Ratio Lower Upper

43 100

58 29.7 24.4 36.6



#17

Carbon Disulfide

Concen: 0.25 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025220.D

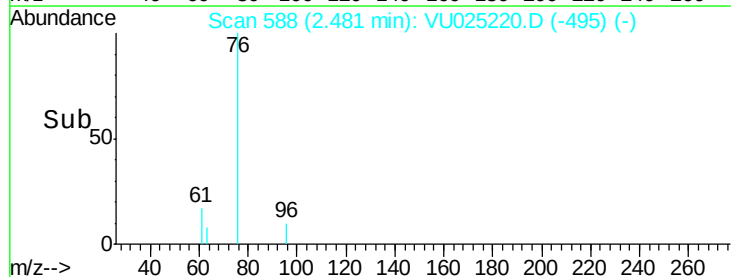
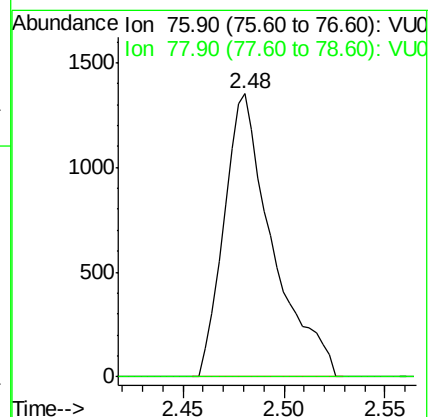
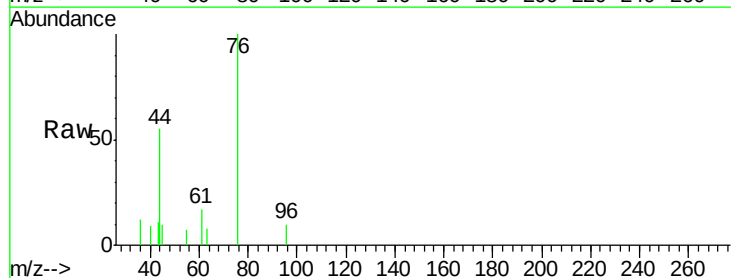
Acq: 05 Jul 2018 17:03

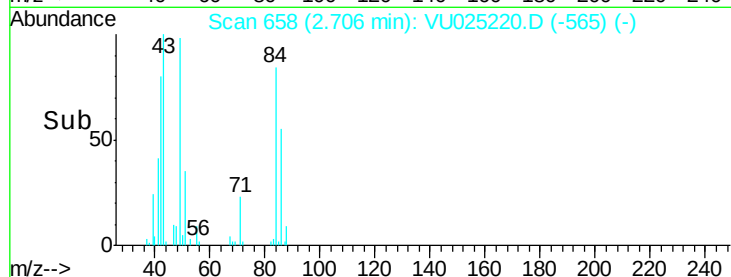
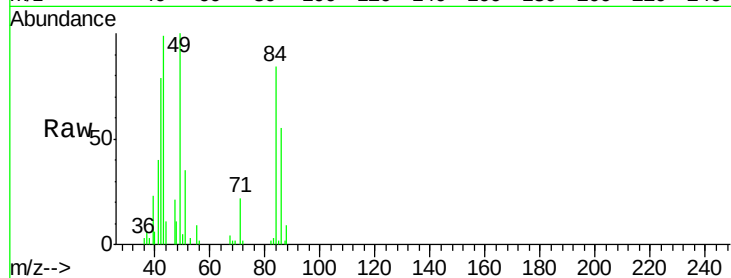
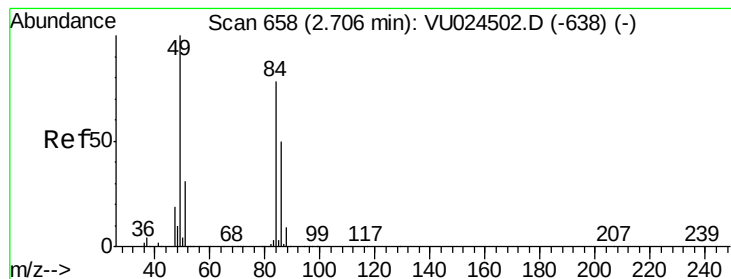
Tgt Ion: 76 Resp: 2253

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#





#20

Methylene Chloride

Concen: 3.48 ug/l

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Tot Ion: 84 Resp: 11738

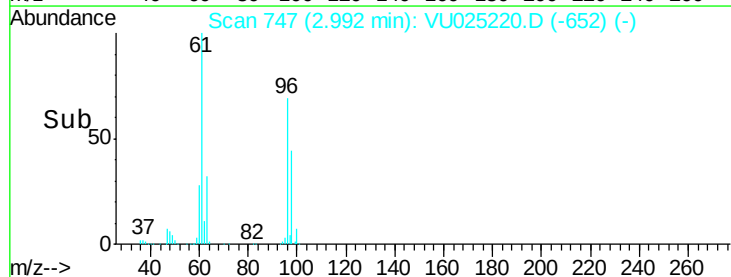
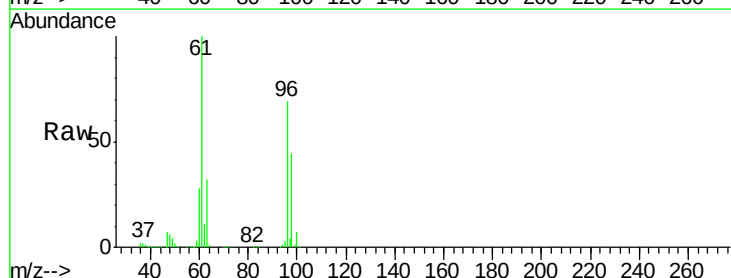
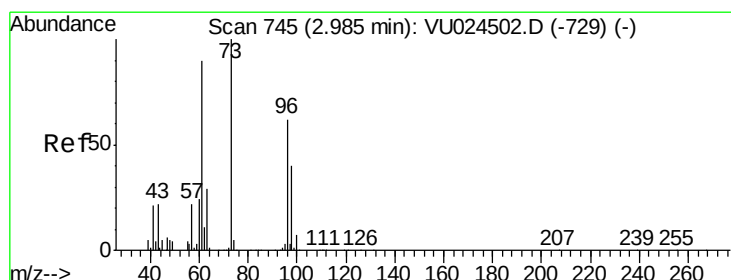
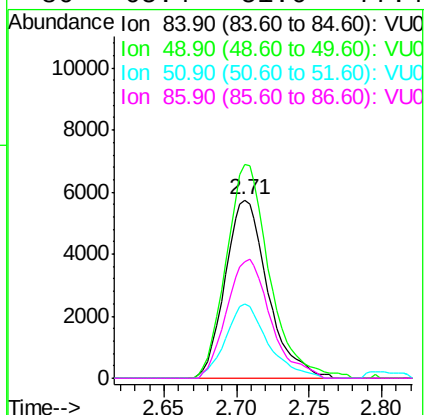
Ion Ratio Lower Upper

84 100

49 119.7 103.8 155.8

51 41.8 32.0 48.0

86 65.4 51.6 77.4



#21

trans-1,2-Dichloroethene

Concen: 466.43 ug/l

RT: 2.99 min Scan# 747

Delta R.T. 0.01 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

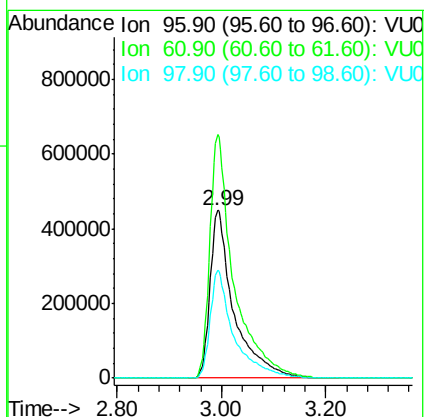
Tgt Ion: 96 Resp: 1431577

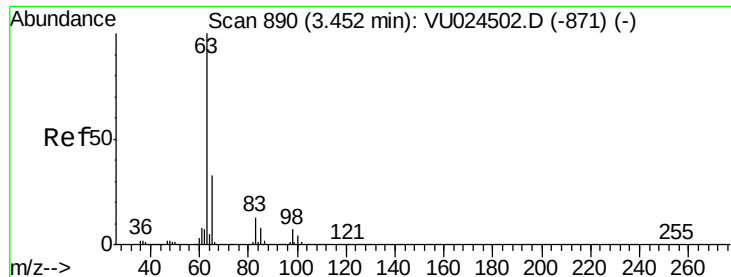
Ion Ratio Lower Upper

96 100

61 145.3 119.4 179.0

98 64.0 51.1 76.7

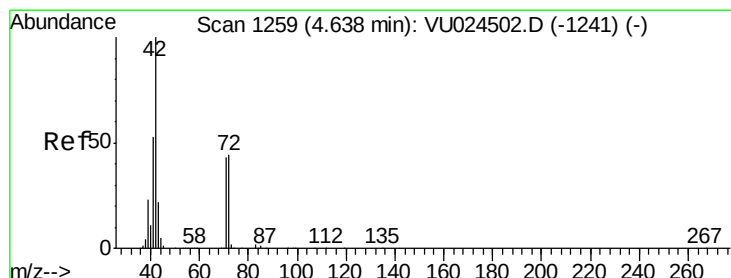
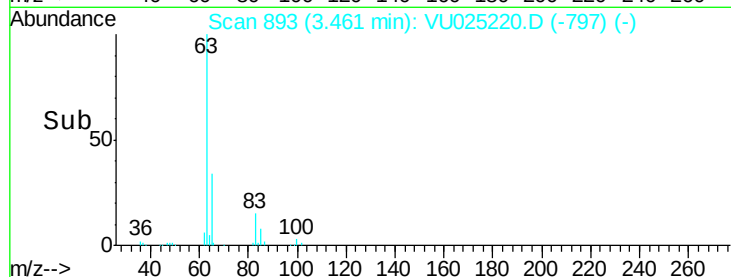
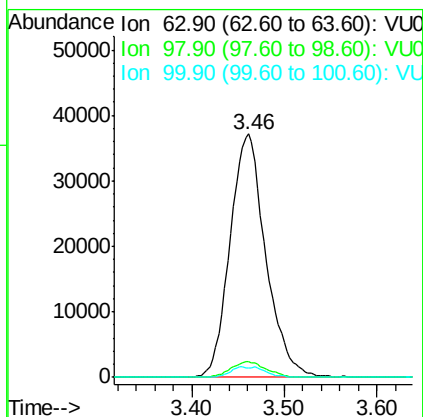
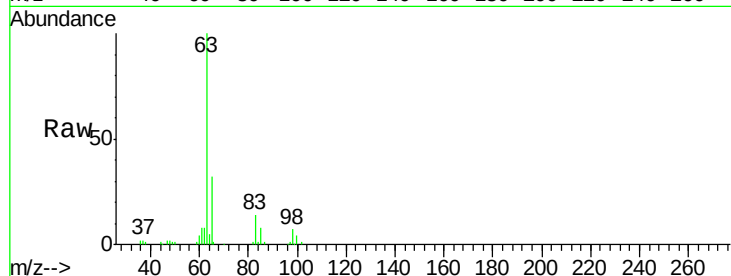




#24
 1,1-Dichloroethane
 Concen: 16.82 ug/l
 RT: 3.46 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

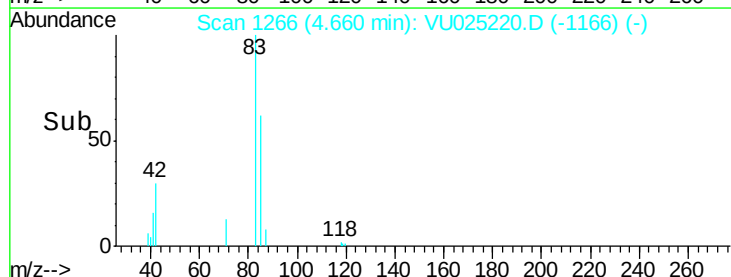
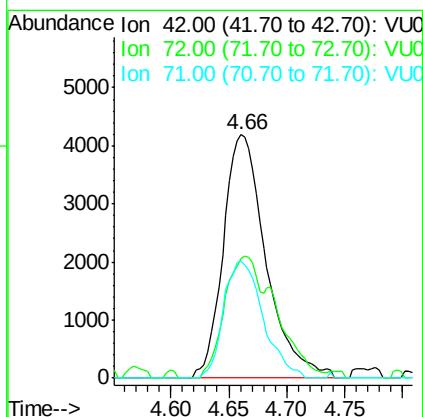
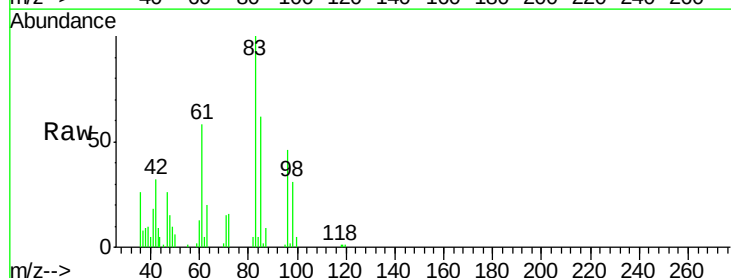
Instrument :
 MSVOA_U
 ClientSampleId :

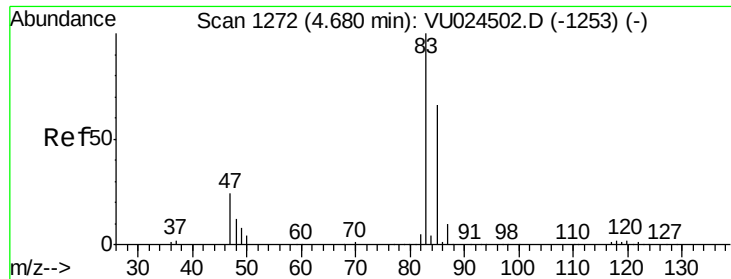
Tot Ion:	63	Resp:	99257
Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.4
100	3.6	1.8	5.5



#29
 Tetrahydrofuran
 Concen: 6.01 ug/l
 RT: 4.66 min Scan# 1266
 Delta R.T. 0.02 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

Tgt Ion:	42	Resp:	10730
Ion	Ratio	Lower	Upper
42	100		
72	41.1	34.5	51.7
71	44.4	32.2	48.4

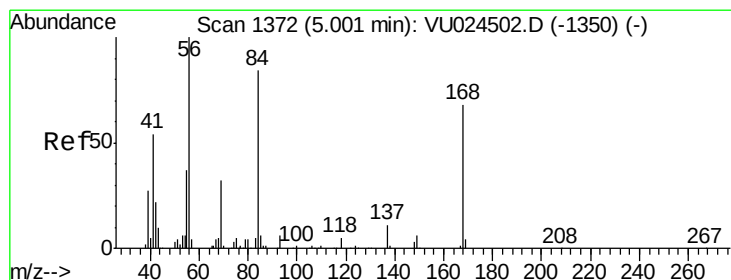
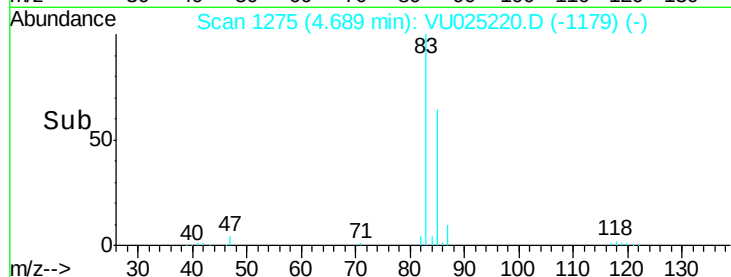
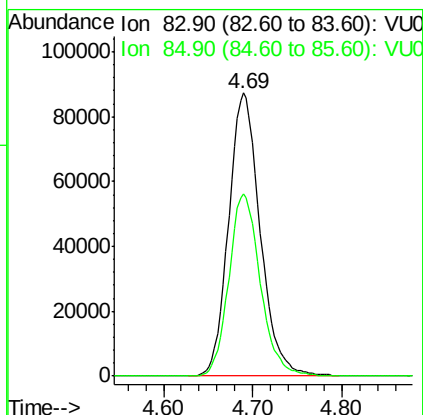
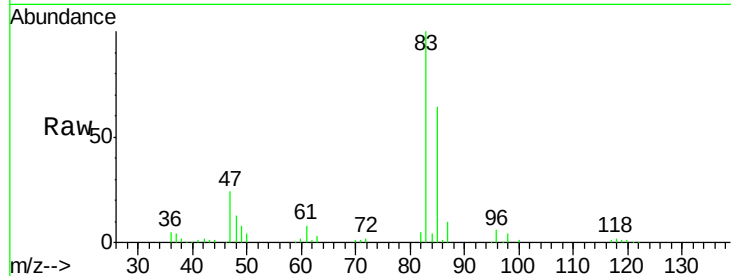




#30
Chloroform
Concen: 35.82 ug/l
RT: 4.69 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

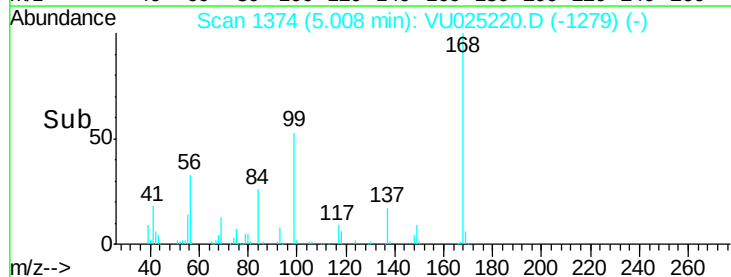
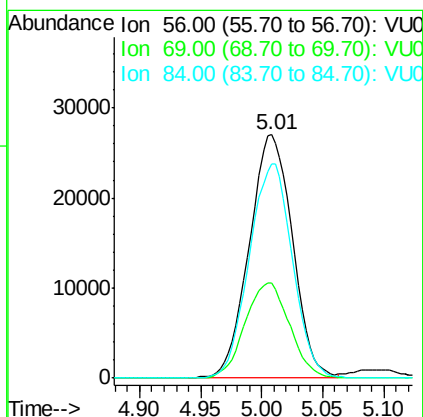
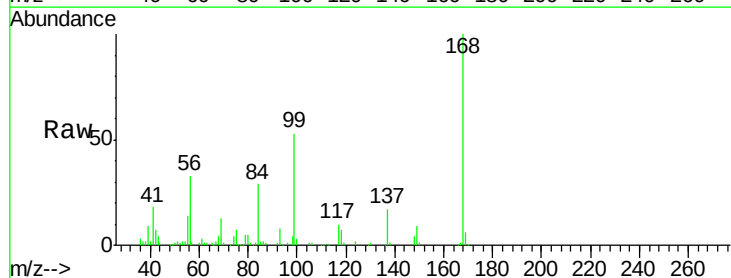
Instrument :
MSVOA_U
ClientSampled :

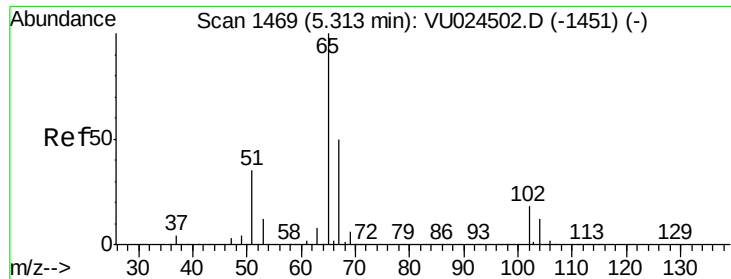
Tot Ion: 83 Resp: 213910
Ion Ratio Lower Upper
83 100
85 64.2 52.4 78.6



#31
Cyclohexane
Concen: 11.12 ug/l
RT: 5.01 min Scan# 1374
Delta R.T. 0.01 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion: 56 Resp: 66284
Ion Ratio Lower Upper
56 100
69 38.9 24.8 37.2#
84 87.9 65.2 97.8

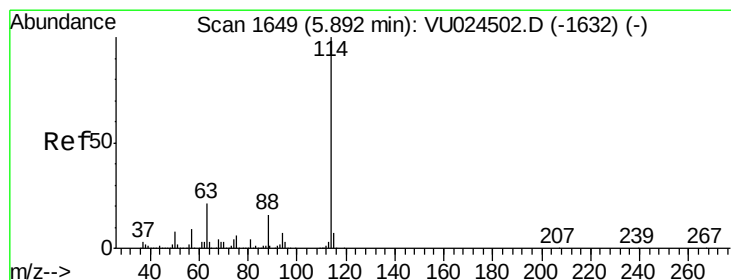
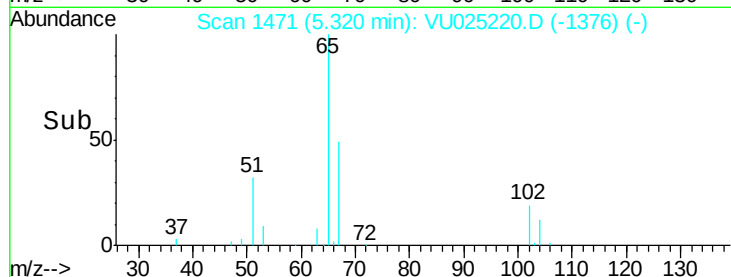
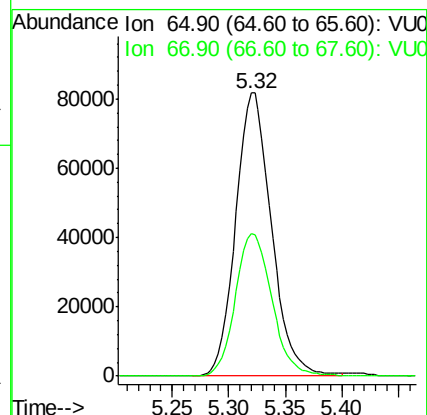
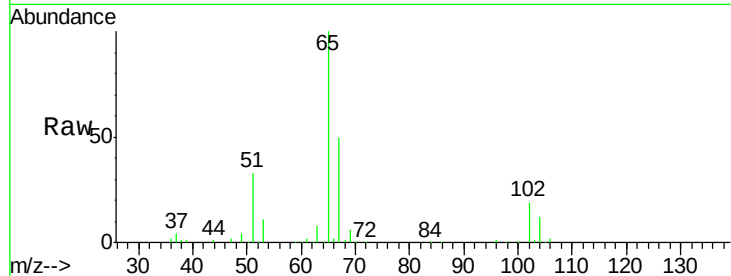




#33
 1,2-Dichloroethane-d4
 Concen: 45.09 ug/l
 RT: 5.32 min Scan# 1471
 Delta R.T. 0.01 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

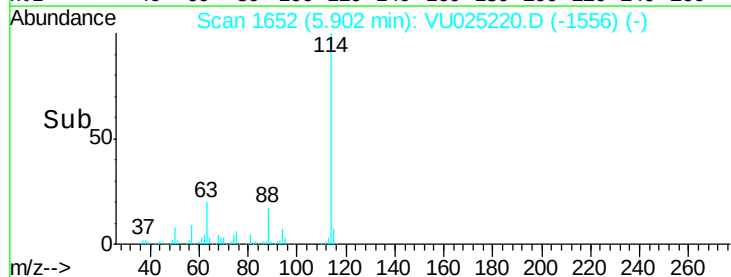
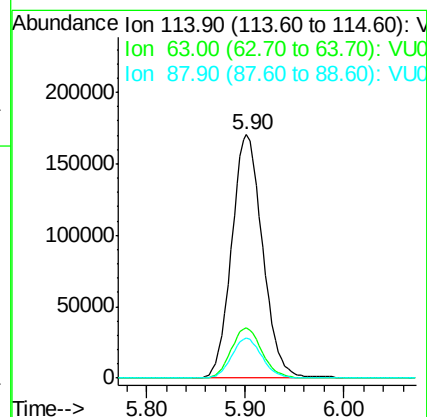
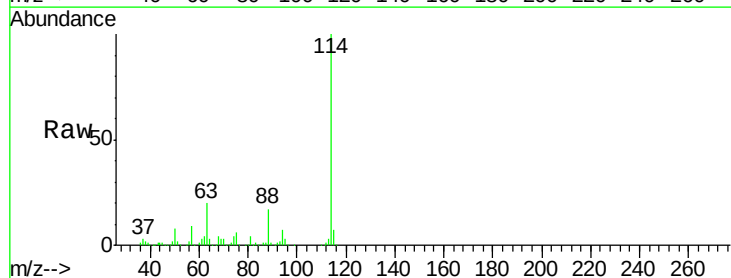
Instrument :
 MSVOA_U
 ClientSampled :

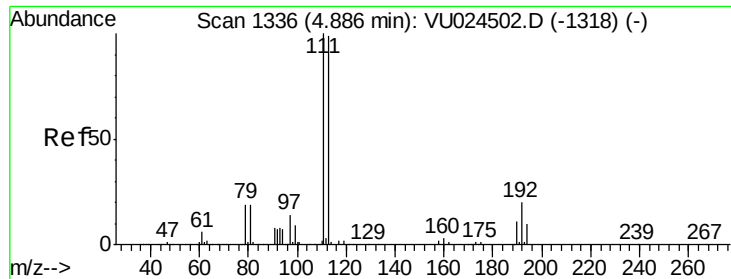
Tot Ion: 65 Resp: 180154
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.90 min Scan# 1652
 Delta R.T. 0.01 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

Tgt Ion: 114 Resp: 372446
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 45.4
 88 16.5 0.0 31.0

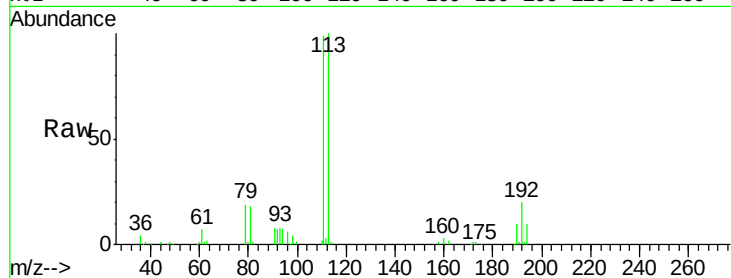




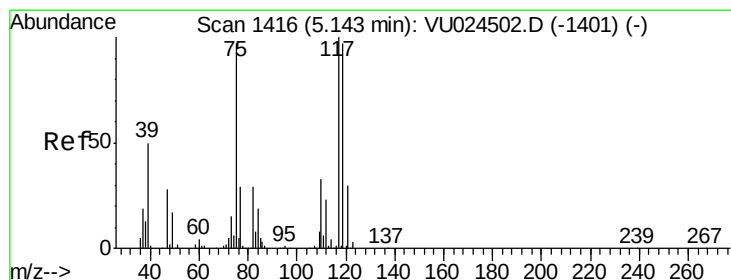
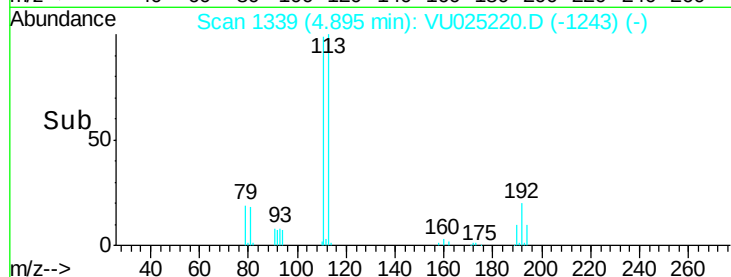
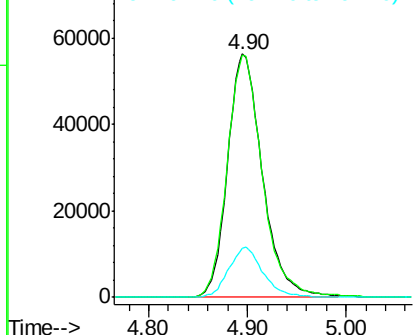
#35
 Dibromofluoromethane
 Concen: 44.60 ug/l
 RT: 4.90 min Scan# 1339
 Delta R.T. 0.01 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:113 Resp: 137870
 Ion Ratio Lower Upper
 113 100
 111 100.2 82.2 123.4
 192 20.4 16.2 24.4

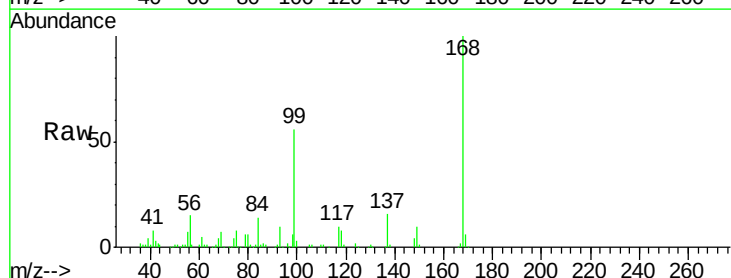


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

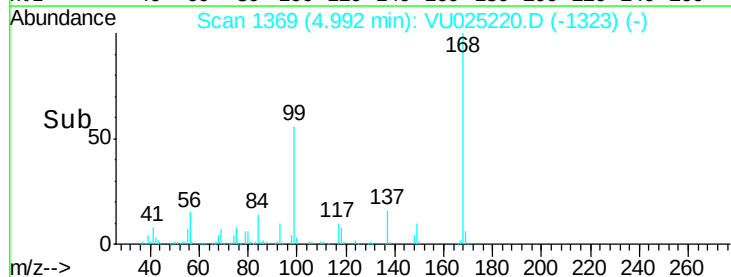
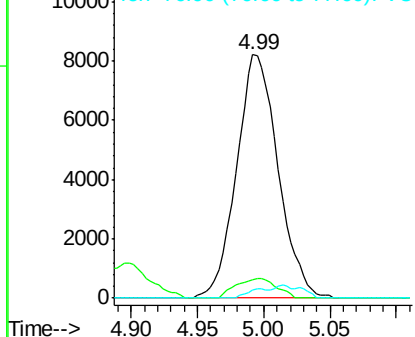


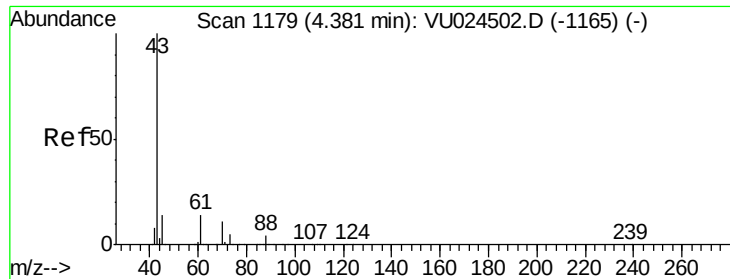
#36
 1,1-Dichloropropene
 Concen: 4.09 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

Tgt Ion: 75 Resp: 17908
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.0 50.9#
 77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

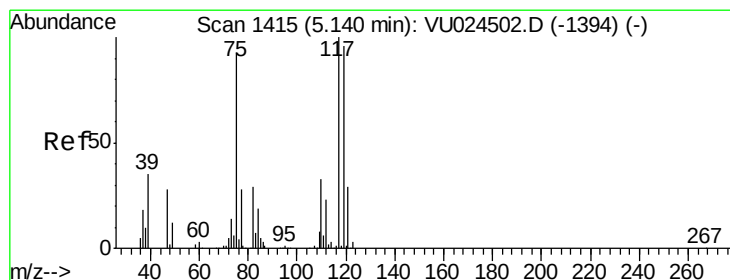
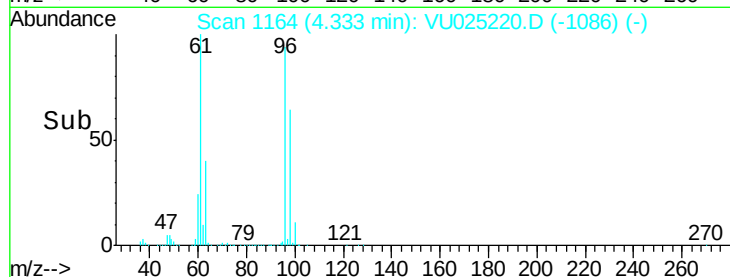
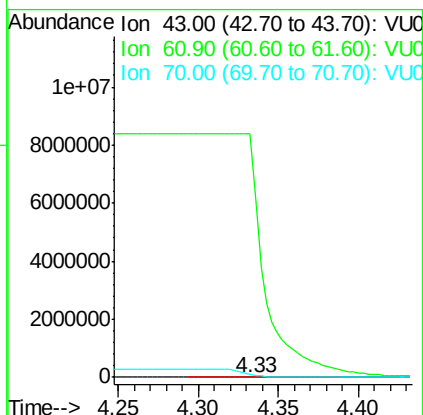
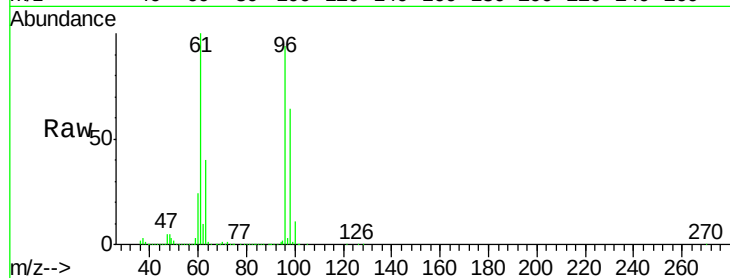




#37
Ethyl Acetate
Concen: 1.52 ug/l
RT: 4.33 min Scan# 1164
Delta R.T. -0.05 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

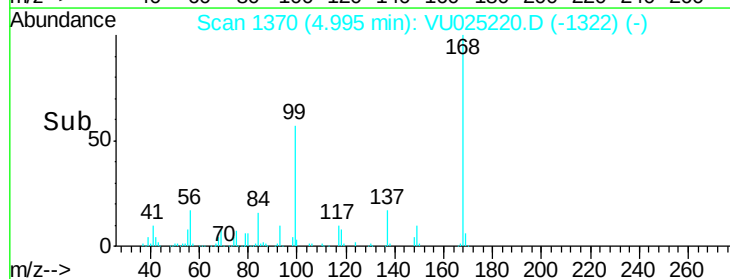
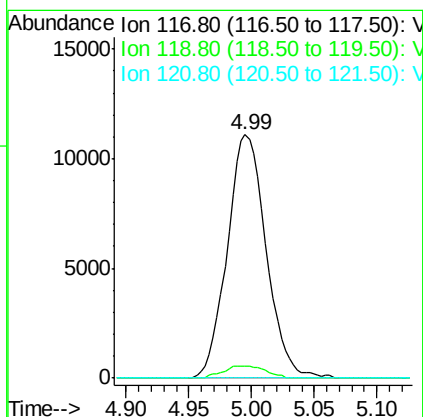
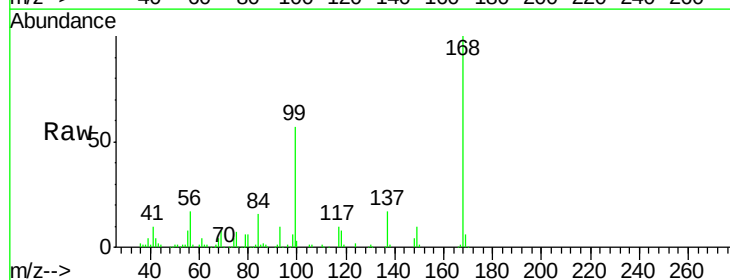
Instrument :
MSVOA_U
ClientSampled :

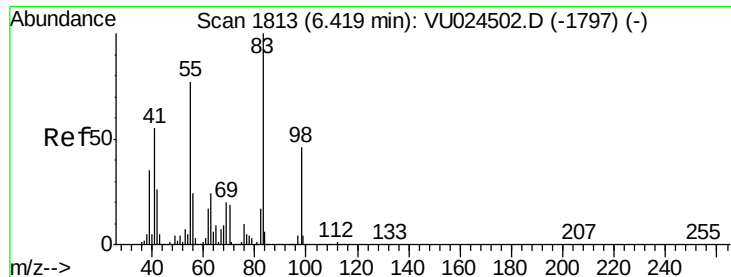
Tot Ion: 43 Resp: 7264
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 4.96 ug/l
RT: 4.99 min Scan# 1370
Delta R.T. -0.14 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion: 117 Resp: 23889
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 23.7 35.5#

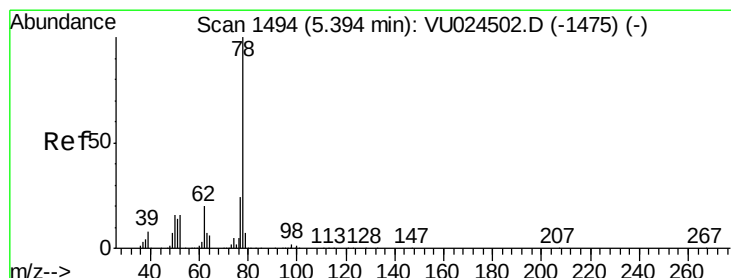
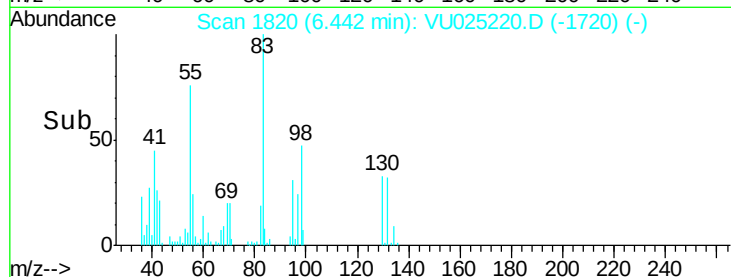
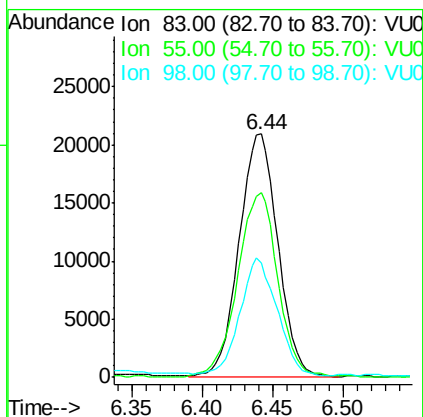
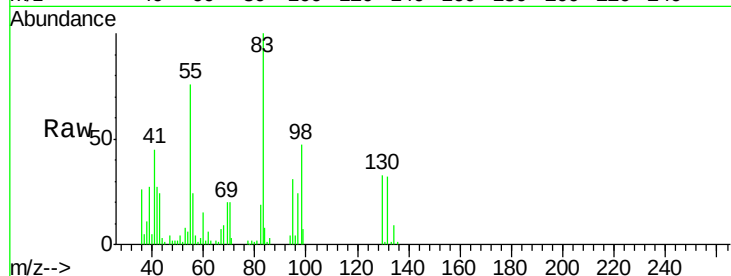




#39
Methylvlcyclohexane
Concen: 7.41 ug/l
RT: 6.44 min Scan# 1820
Delta R.T. 0.02 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

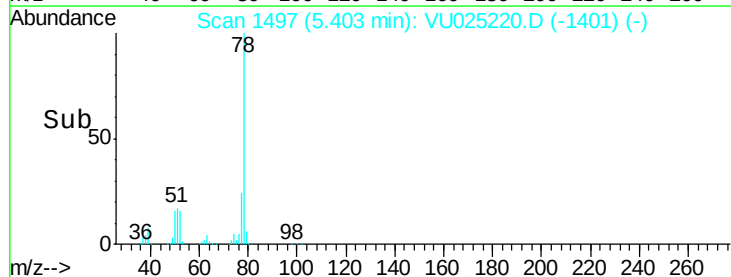
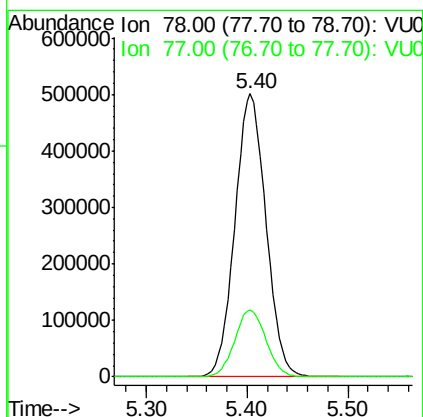
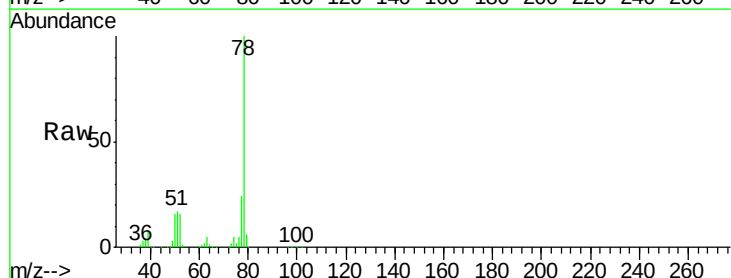
Instrument :
MSVOA_U
ClientSampleId :

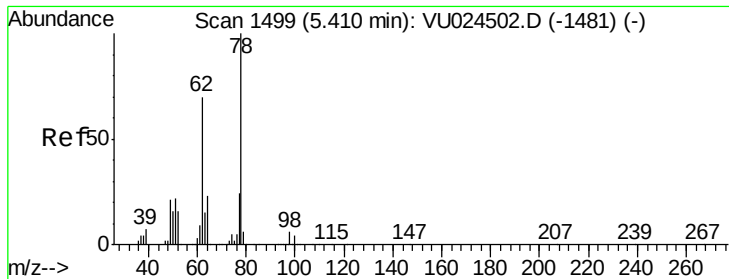
Tot Ion: 83 Resp: 40469
Ion Ratio Lower Upper
83 100
55 75.7 65.8 98.6
98 46.2 36.7 55.1



#40
Benzene
Concen: 85.65 ug/l
RT: 5.40 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion: 78 Resp: 1068127
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

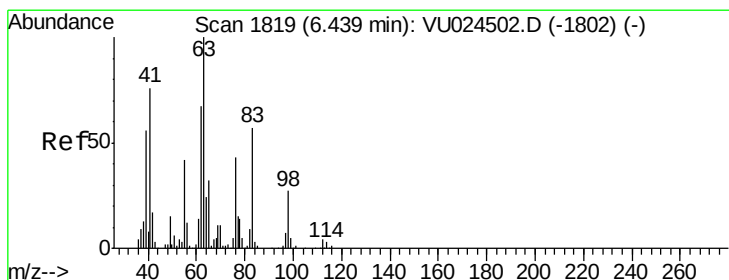
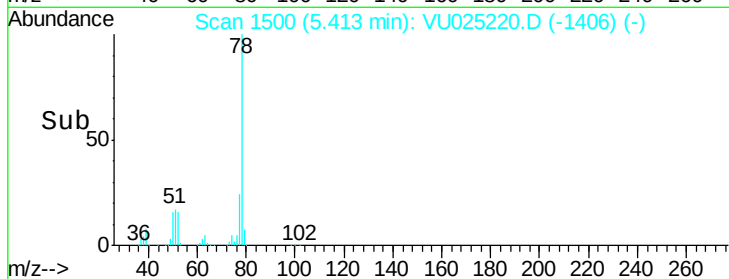
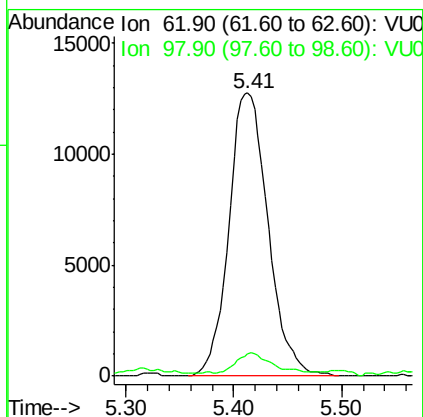
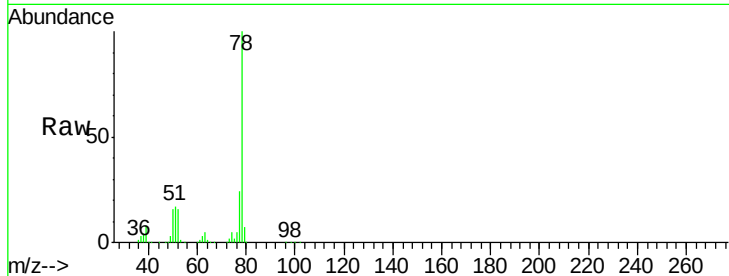




#42
 1,2-Dichloroethane
 Concen: 6.79 ug/l
 RT: 5.41 min Scan# 1500
 Delta R.T. 0.00 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

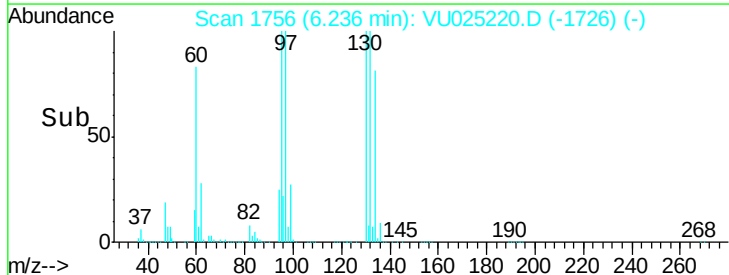
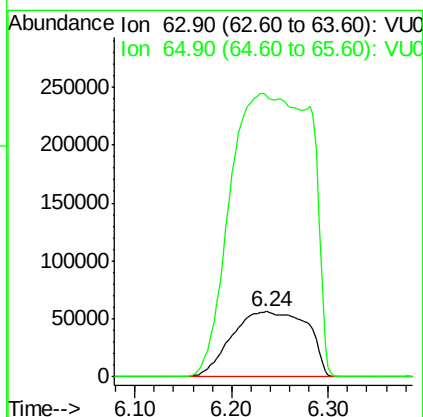
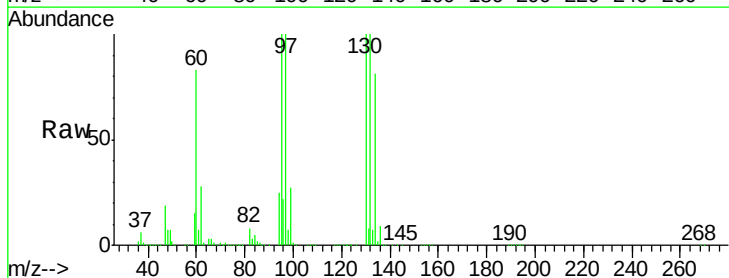
Instrument :
 MSVOA_U
 ClientSampleId :

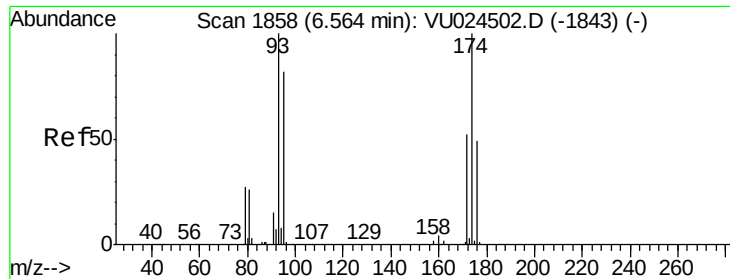
Tot Ion: 62 Resp: 32257
 Ion Ratio Lower Upper
 62 100
 98 5.8 0.0 16.6



#45
 1,2-Dichloropropane
 Concen: 91.55 ug/l
 RT: 6.24 min Scan# 1756
 Delta R.T. -0.20 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

Tgt Ion: 63 Resp: 304630
 Ion Ratio Lower Upper
 63 100
 65 430.5 24.8 37.2#





#46

Dibromomethane

Concen: 1.56 ug/l

RT: 6.29 min Scan# 1772

Delta R.T. -0.28 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :
MSVOA_U
ClientSampled :

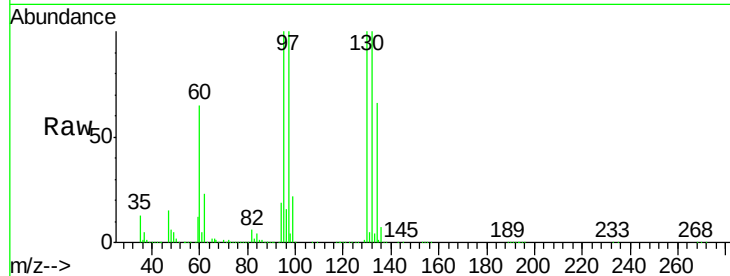
Tot Ion: 93 Resp: 3637

Ion Ratio Lower Upper

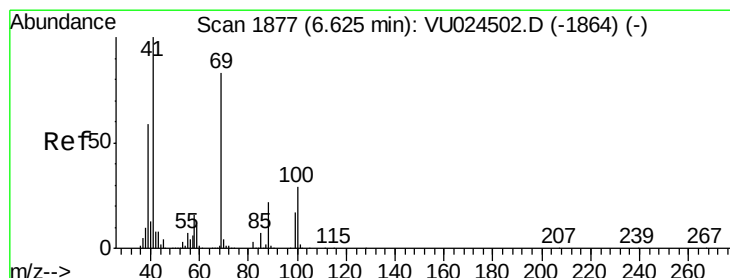
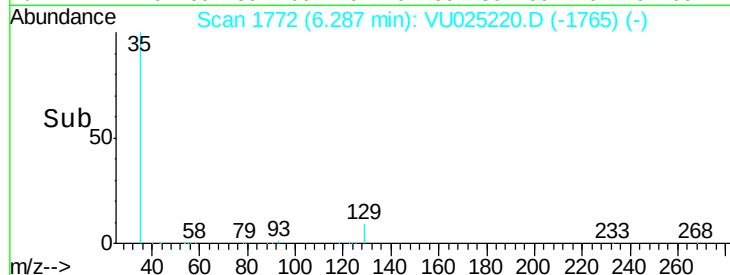
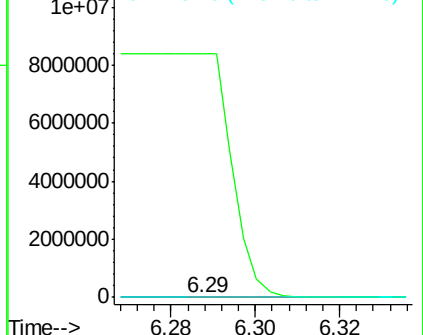
93 100

95 0.0 65.5 98.3#

174 0.0 78.7 118.1#



Abundance Ion 92.80 (92.50 to 93.50): VU0
Ion 94.80 (94.50 to 95.50): VU0
Ion 173.70 (173.40 to 174.40): V



#48

Methyl methacrylate

Concen: 0.23 ug/l

RT: 6.65 min Scan# 1885

Delta R.T. 0.03 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

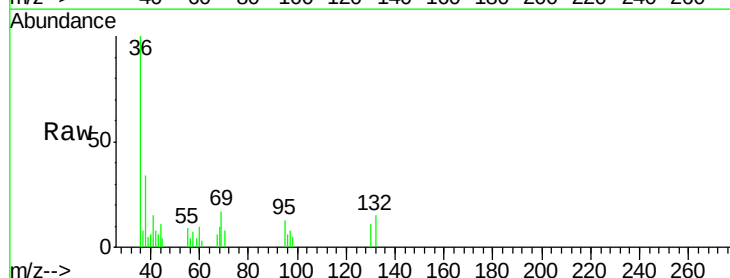
Tgt Ion: 41 Resp: 935

Ion Ratio Lower Upper

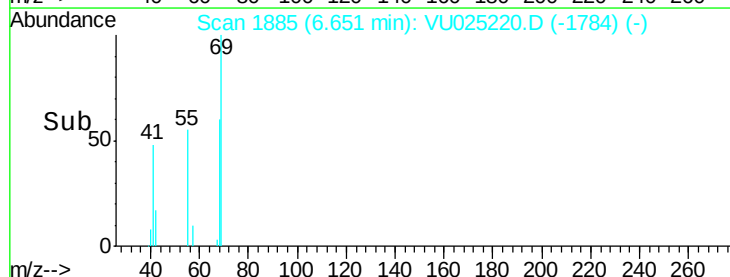
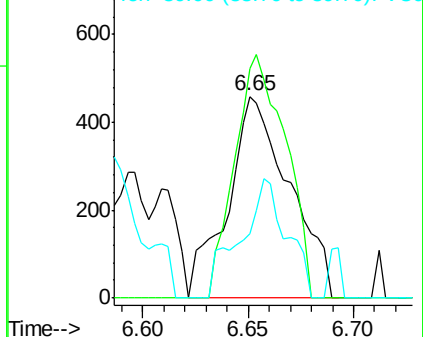
41 100

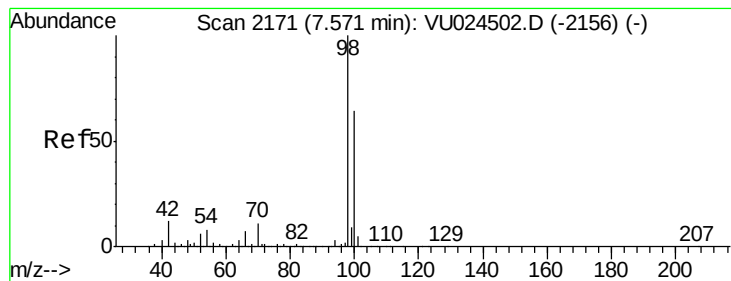
69 99.6 67.3 100.9

39 44.3 46.5 69.7#



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0





#50

Toluene-d8

Concen: 48.09 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

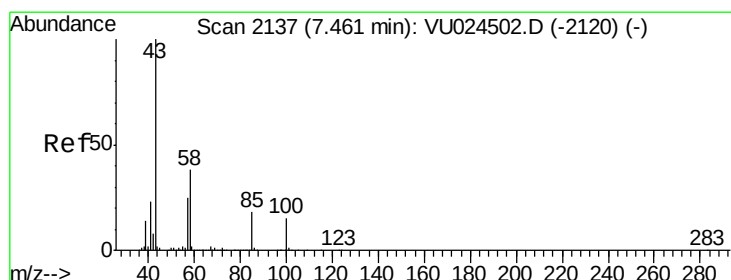
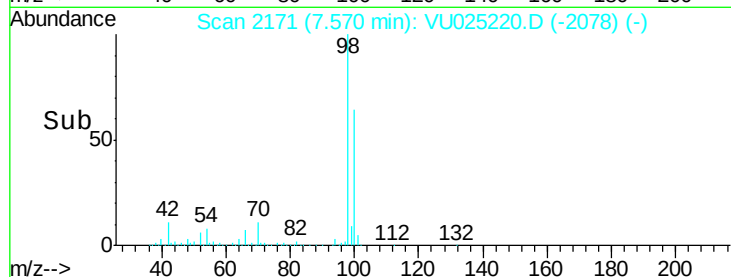
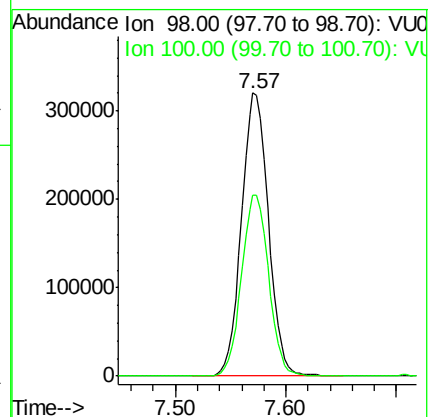
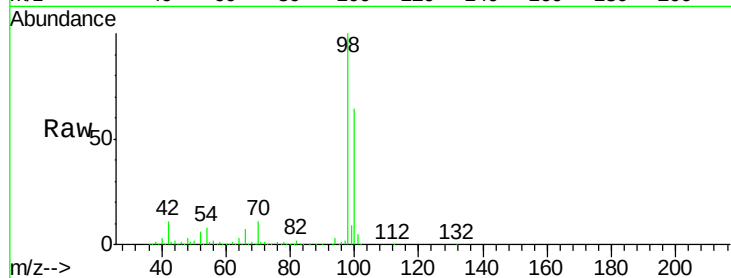
ClientSampled :

Tot Ion: 98 Resp: 542169

Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 2.32 ug/l

RT: 7.47 min Scan# 2139

Delta R.T. 0.01 min

Lab File: VU025220.D

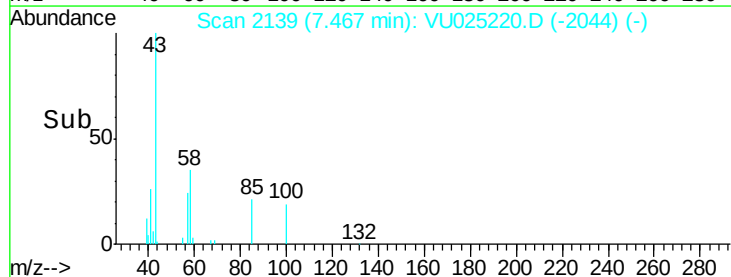
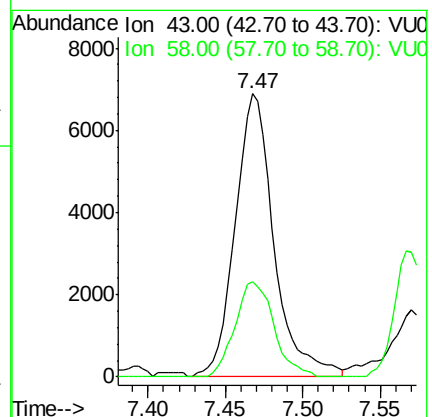
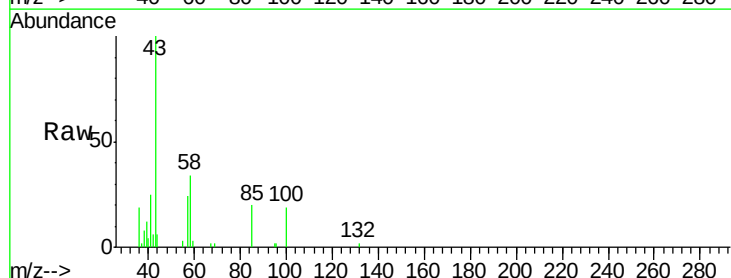
Acq: 05 Jul 2018 17:03

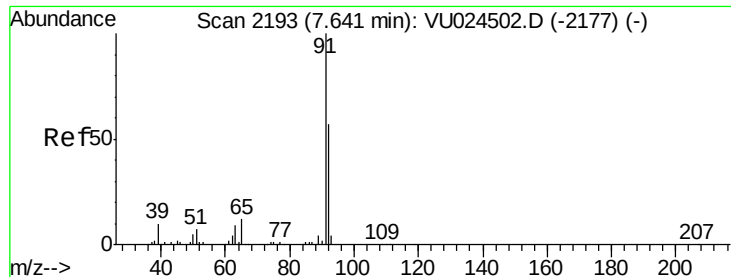
Tgt Ion: 43 Resp: 11997

Ion Ratio Lower Upper

43 100

58 33.7 30.0 45.0





#52

Toluene

Concen: 225.89 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

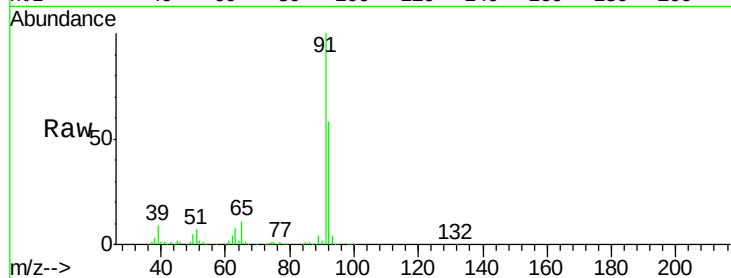
ClientSampleId :

Tot Ion: 92 Resp: 1812363

Ion Ratio Lower Upper

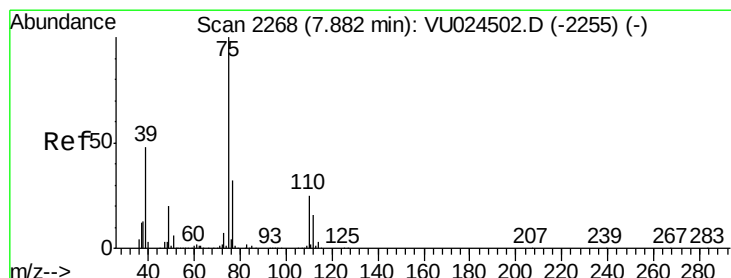
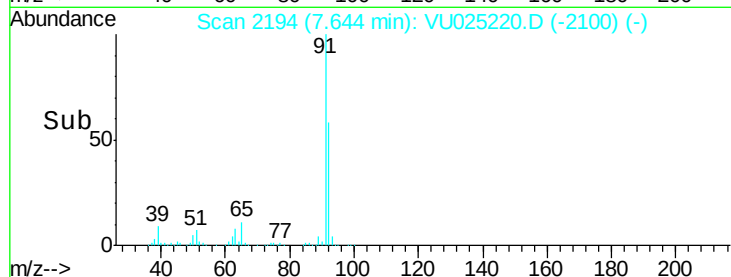
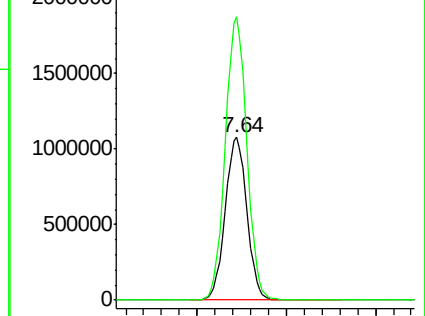
92 100

91 173.2 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#53

t-1,3-Dichloropropene

Concen: 4.35 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.24 min

Lab File: VU025220.D

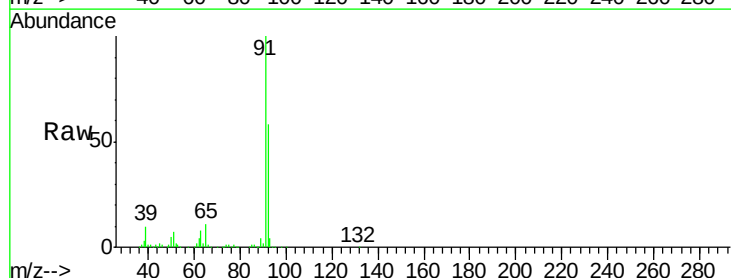
Acq: 05 Jul 2018 17:03

Tgt Ion: 75 Resp: 22736

Ion Ratio Lower Upper

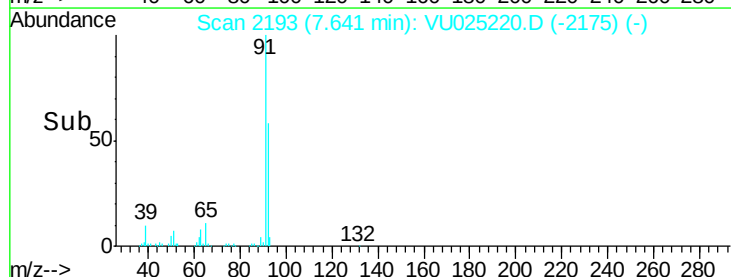
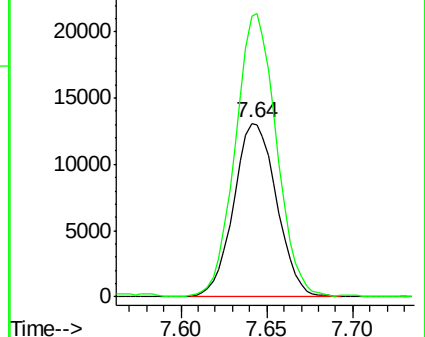
75 100

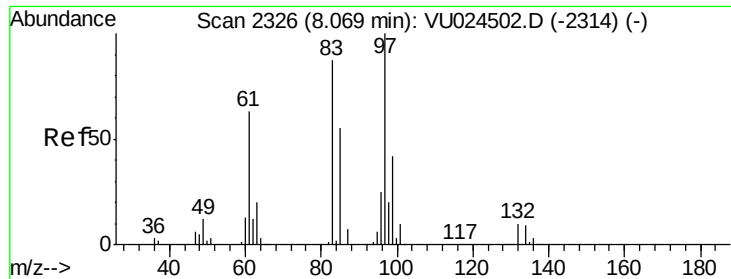
77 160.5 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0





#55

1,1,2-Trichloroethane

Concen: 55.39 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 180646

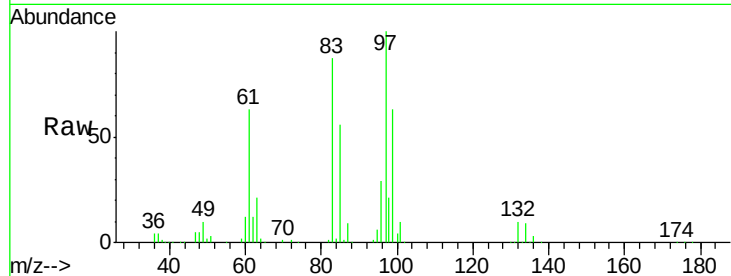
Ion Ratio Lower Upper

97 100

83 87.2 70.5 105.7

85 56.0 46.4 69.6

99 63.5 50.2 75.2

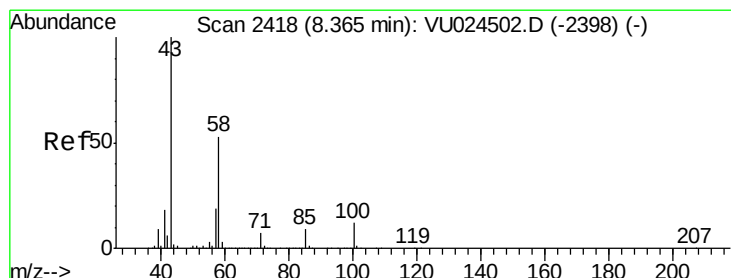
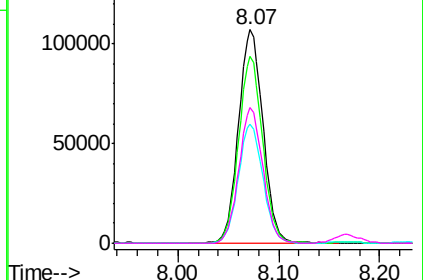
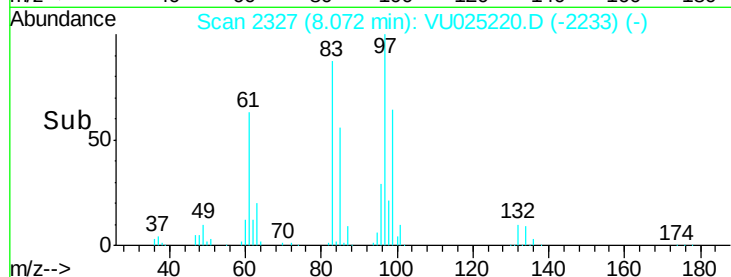


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#59

2-Hexanone

Concen: 38.30 ug/l

RT: 8.17 min Scan# 2356

Delta R.T. -0.20 min

Lab File: VU025220.D

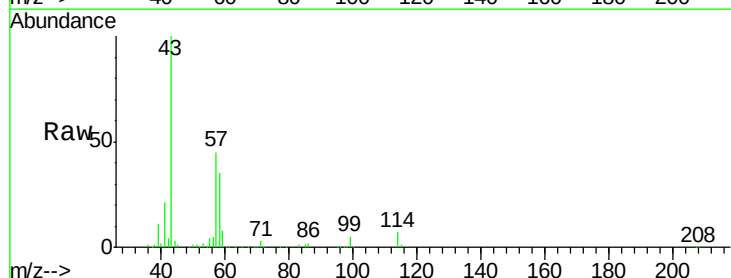
Acq: 05 Jul 2018 17:03

Tgt Ion: 43 Resp: 161980

Ion Ratio Lower Upper

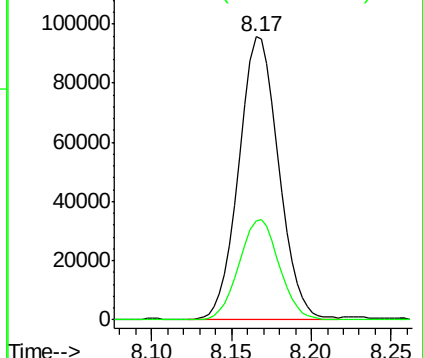
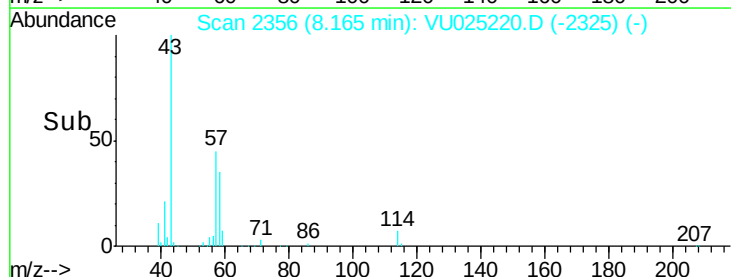
43 100

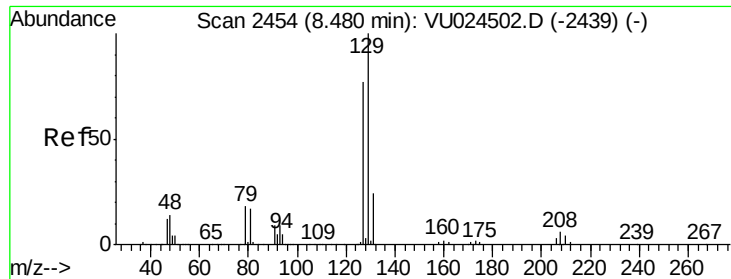
58 36.0 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#60

Dibromochloromethane

Concen: 2.73 ug/l

RT: 8.23 min Scan# 2377

Delta R.T. -0.25 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

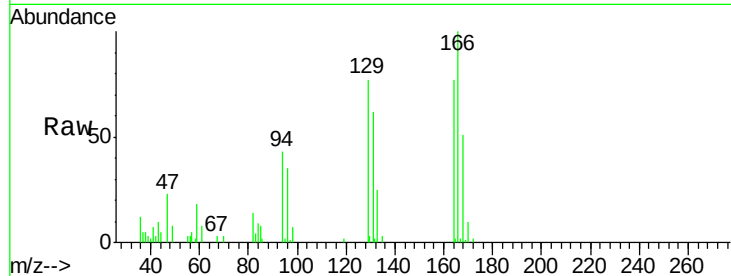
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 11119

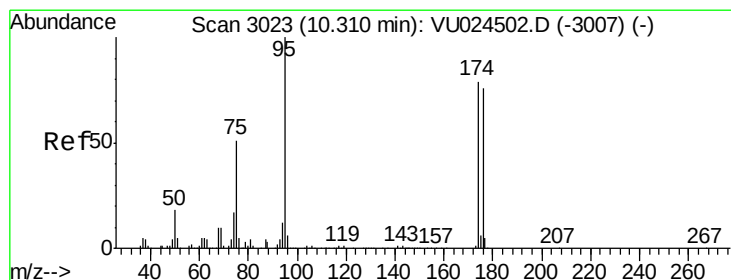
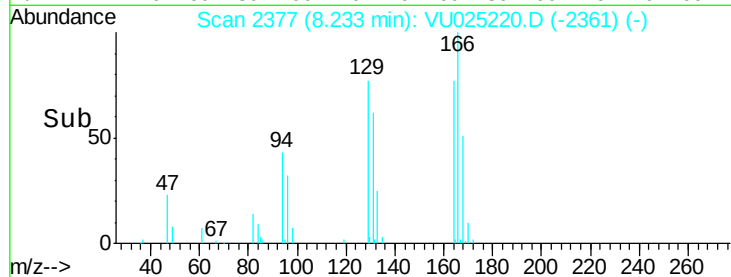
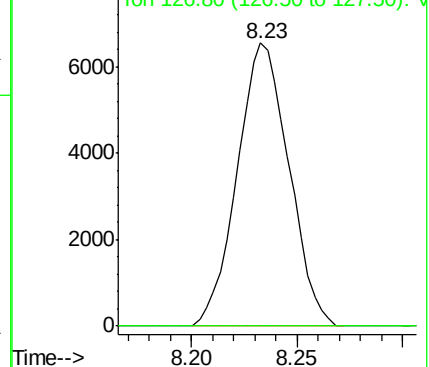
Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.38 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

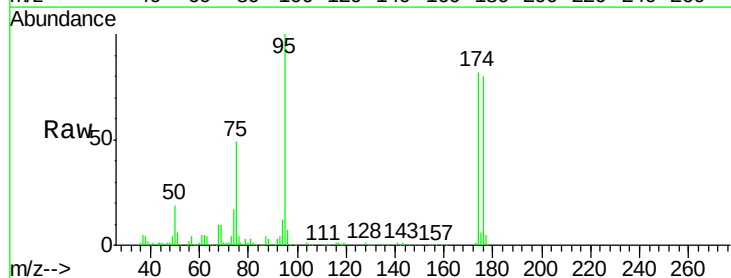
Tgt Ion: 95 Resp: 207601

Ion Ratio Lower Upper

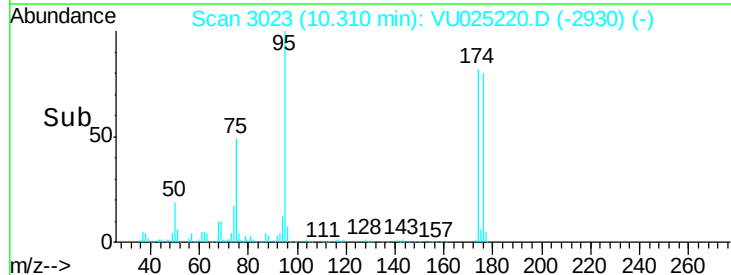
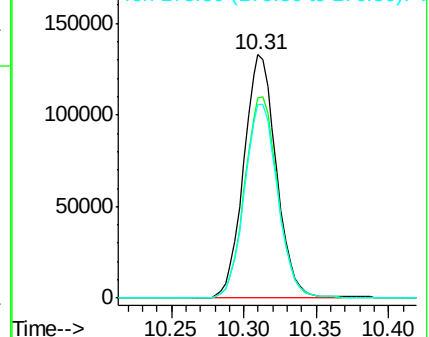
95 100

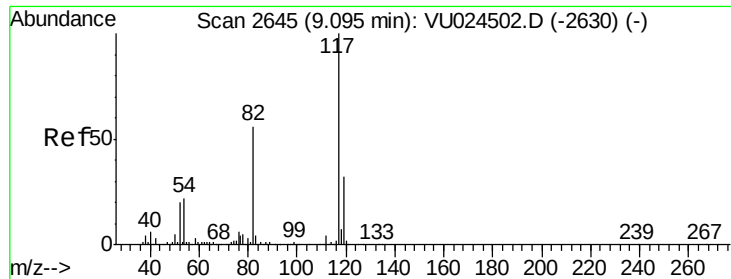
174 84.0 0.0 165.8

176 81.3 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

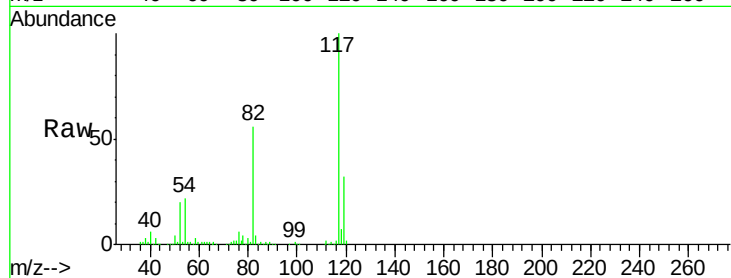




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.3	66.5
119	32.3	25.4	38.2

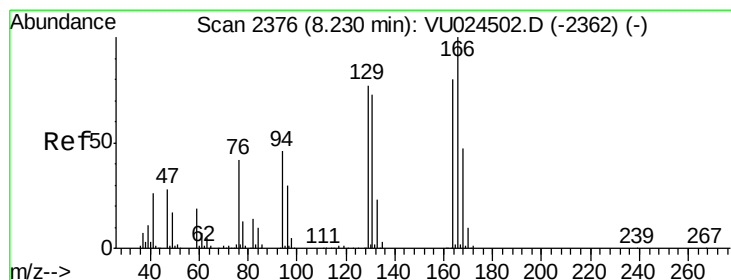
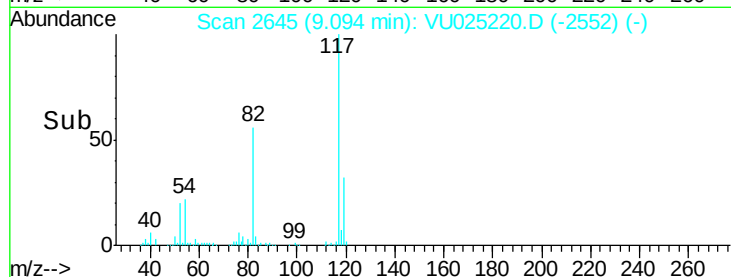
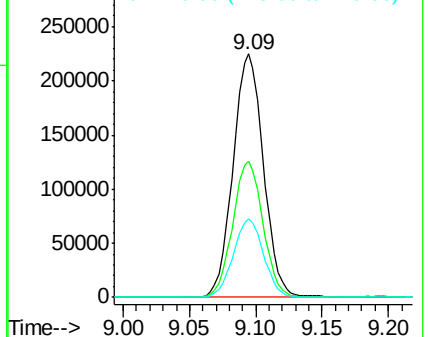


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 3.29 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.7	152.5
129	99.4	76.9	115.3
131	80.5	74.9	112.3

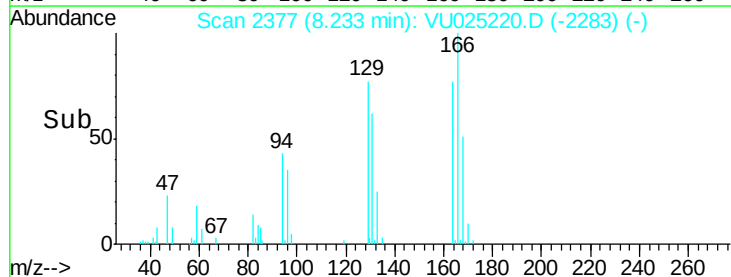
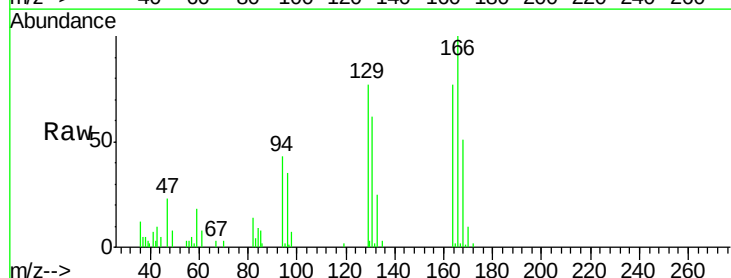
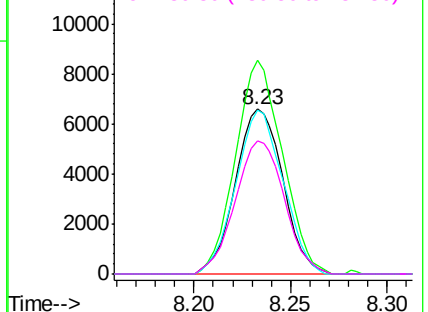
Abundance

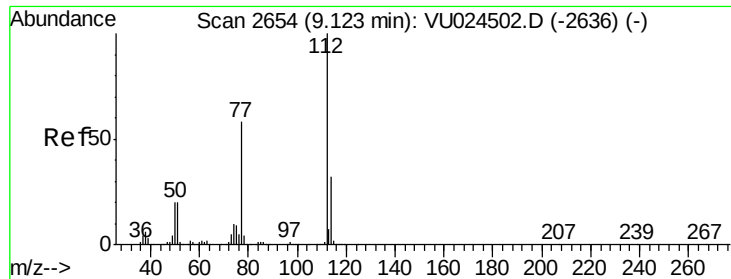
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

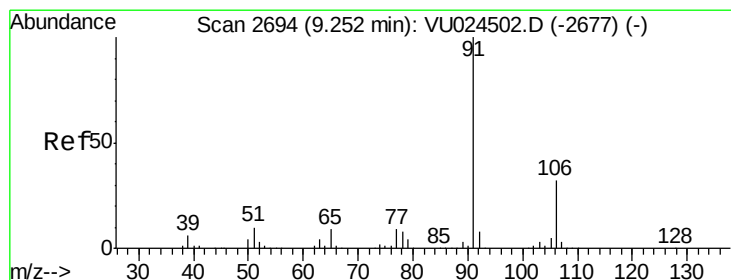
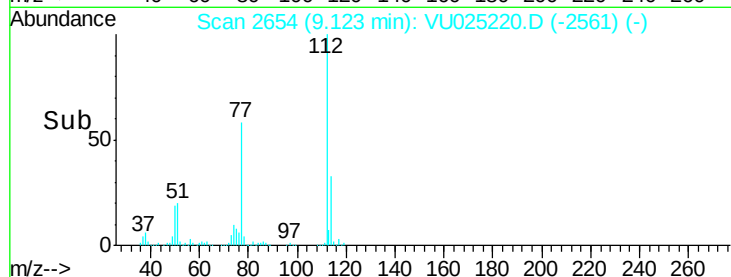
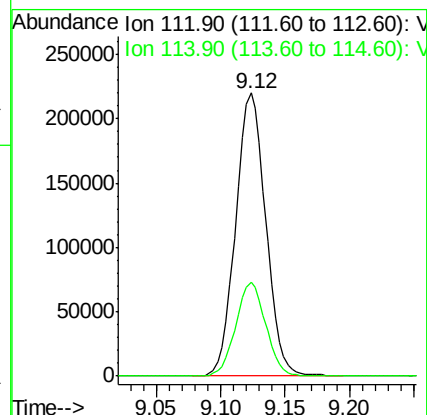
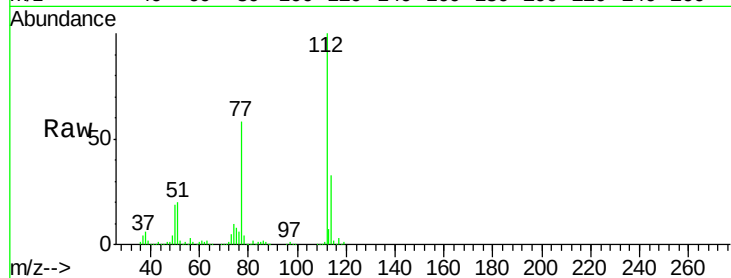




#65
Chlorobenzene
Concen: 39.06 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

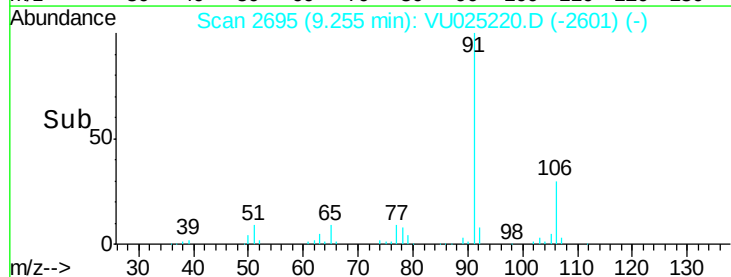
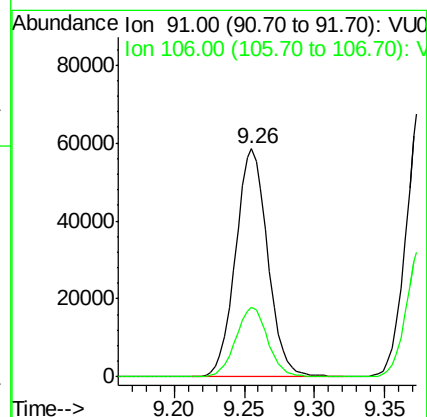
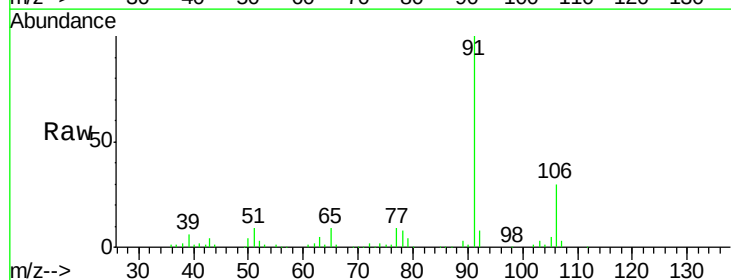
Instrument :
MSVOA_U
ClientSampled :

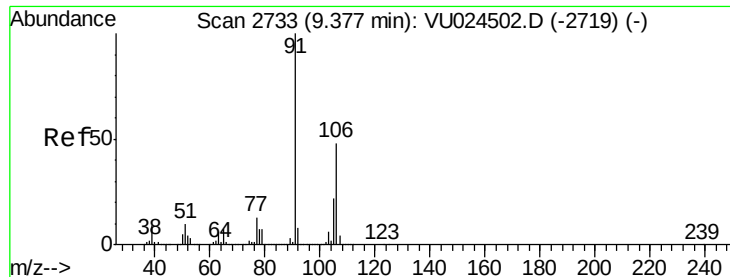
Tot Ion:112 Resp: 357254
Ion Ratio Lower Upper
112 100
114 33.0 25.6 38.4



#67
Ethyl Benzene
Concen: 5.83 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion: 91 Resp: 93419
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.4

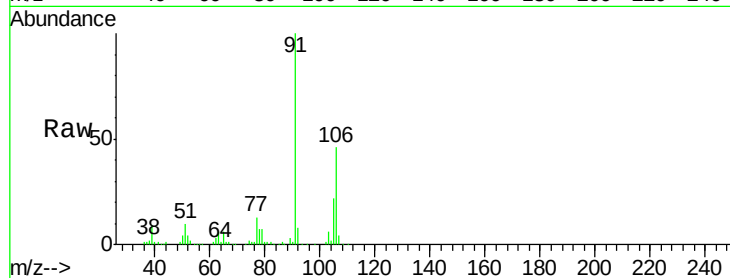




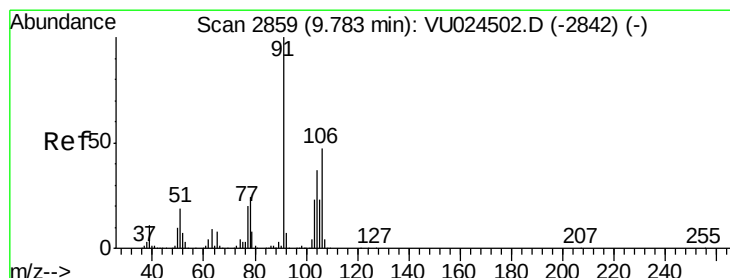
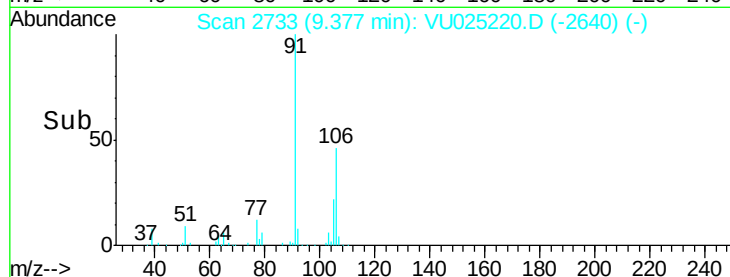
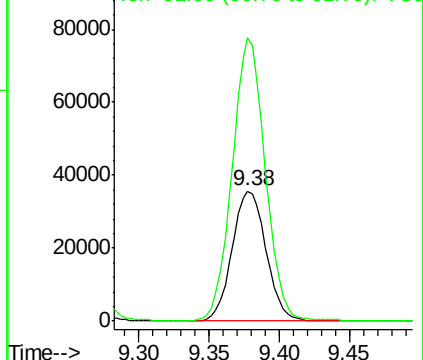
#68
m/p-Xylenes
Concen: 9.83 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 60540
Ion Ratio Lower Upper
106 100
91 209.7 166.5 249.7

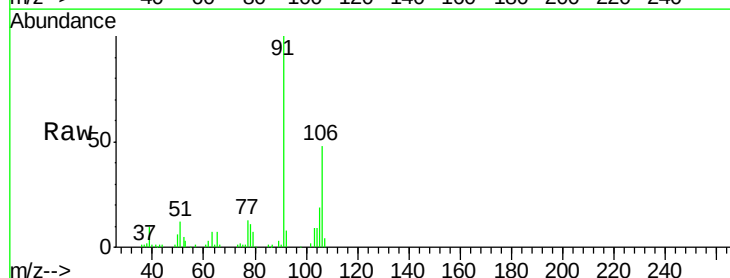


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

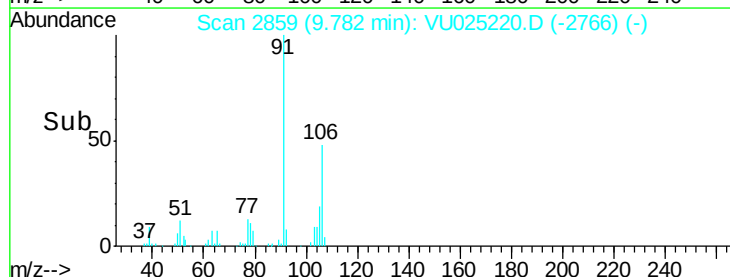
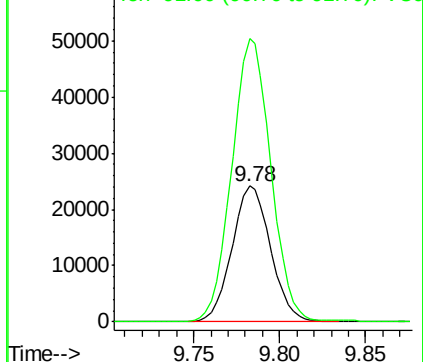


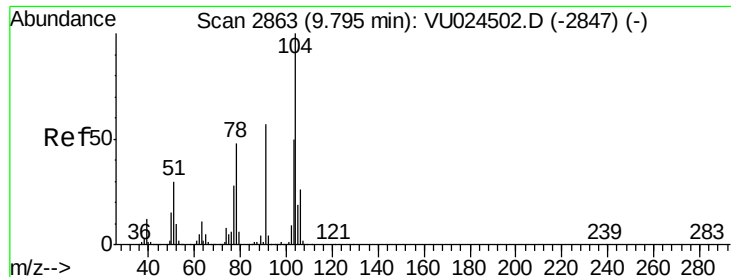
#69
o-Xylene
Concen: 6.18 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion:106 Resp: 37675
Ion Ratio Lower Upper
106 100
91 211.3 110.7 331.9



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





#70

Stvrene

Concen: 1.92 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :
MSVOA_U
ClientSampled :

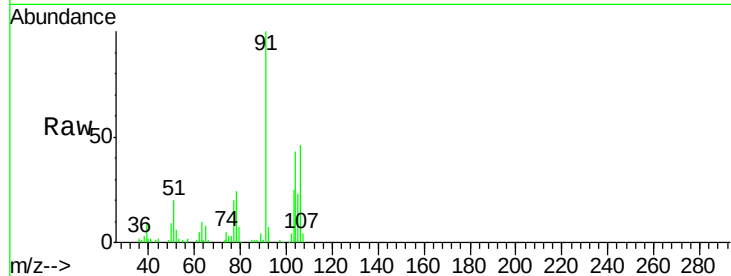
Tot Ion:104 Resp: 19218

Ion Ratio Lower Upper

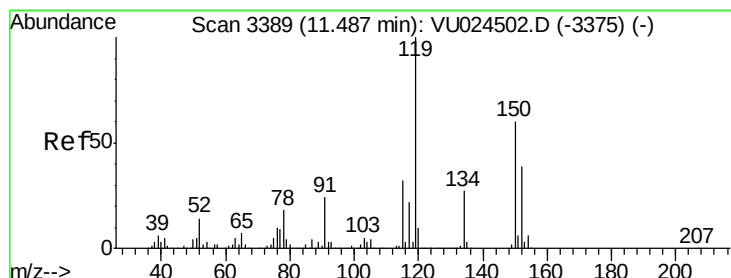
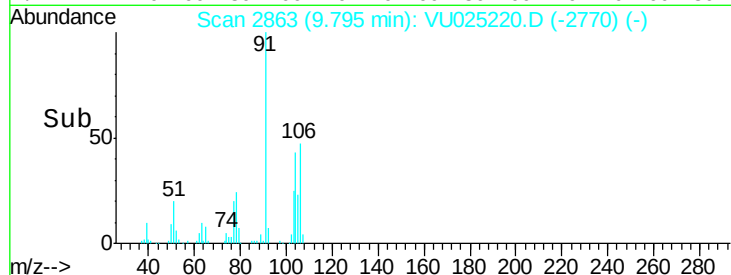
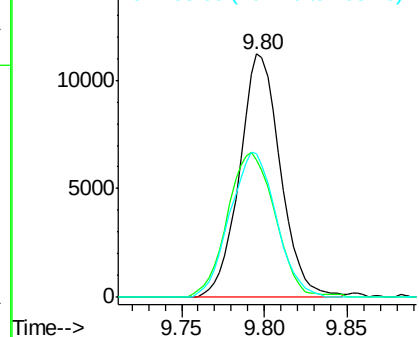
104 100

78 69.6 40.6 60.8#

103 67.4 44.7 67.1#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

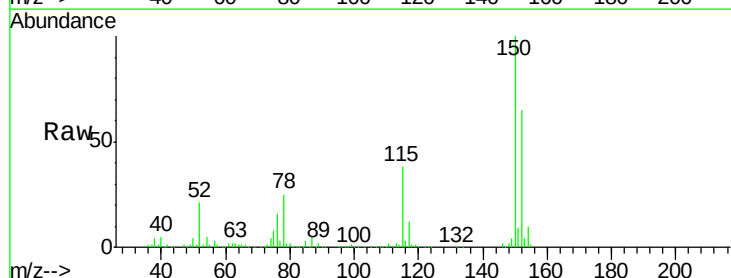
Tgt Ion:152 Resp: 193758

Ion Ratio Lower Upper

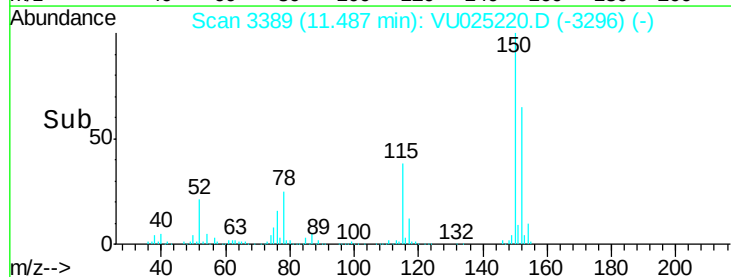
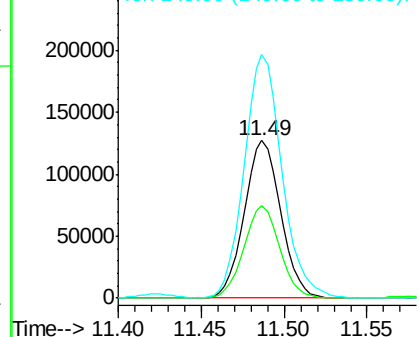
152 100

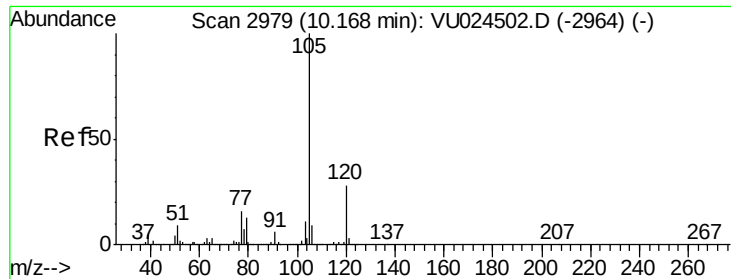
115 57.6 43.0 129.0

150 160.7 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: 4.36 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

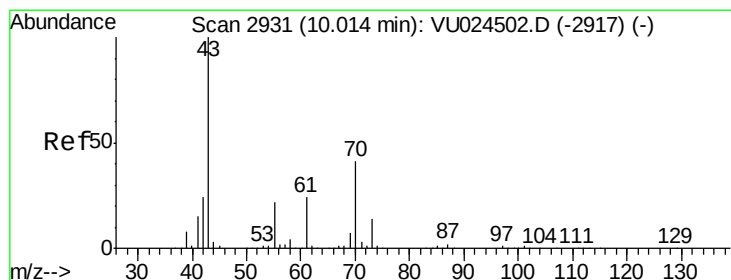
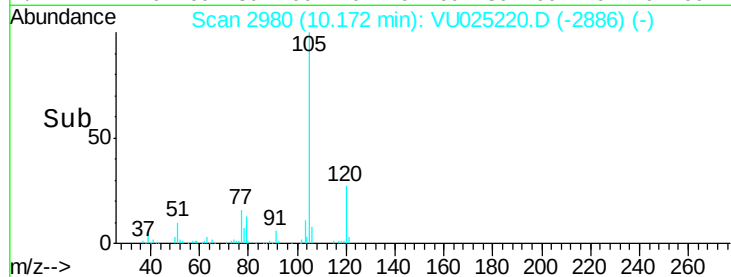
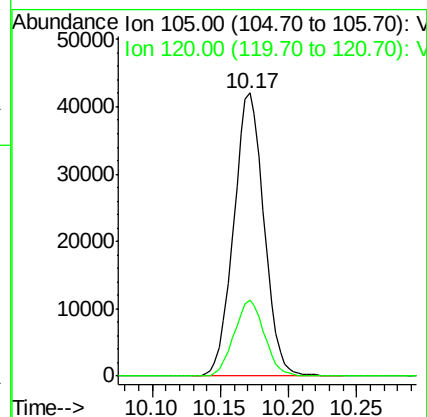
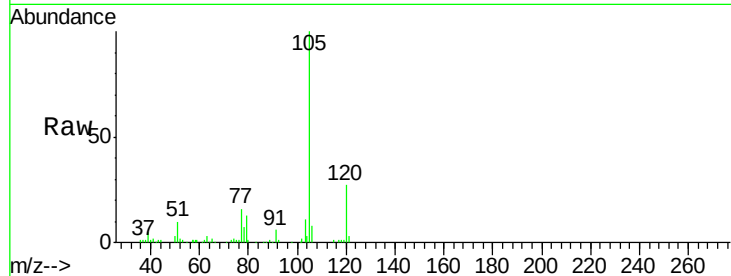
ClientSampleId :

Tot Ion:105 Resp: 64836

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



#74

N-ethyl acetate

Concen: 0.82 ug/l

RT: 10.08 min Scan# 2951

Delta R.T. 0.06 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Tgt Ion: 43 Resp: 5803

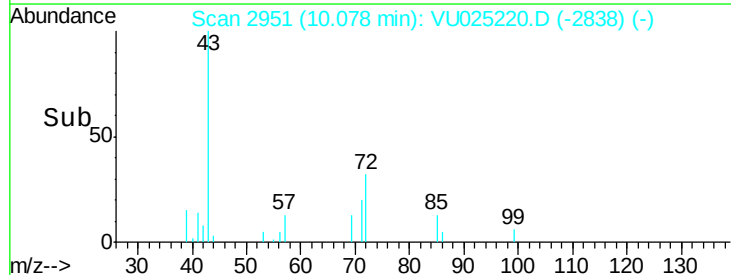
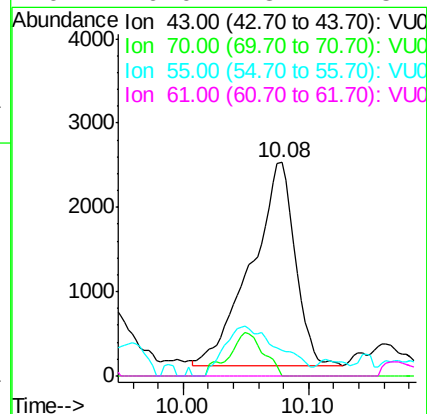
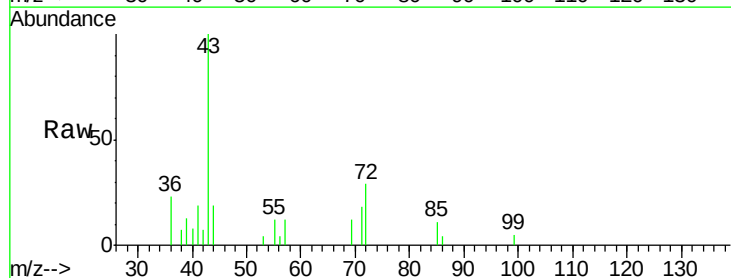
Ion Ratio Lower Upper

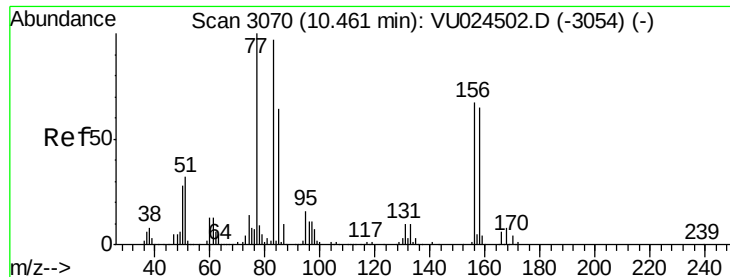
43 100

70 0.0 32.2 48.4#

55 0.0 20.5 30.7#

61 0.0 18.7 28.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.59 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampled :

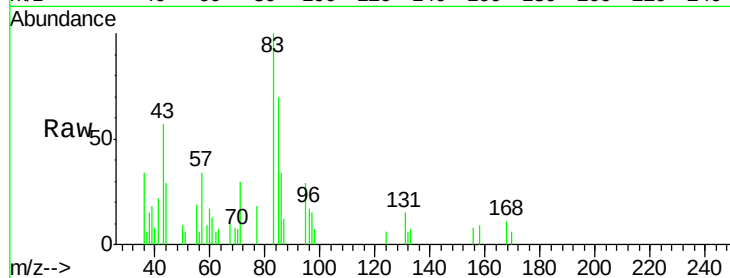
Tot Ion: 83 Resp: 2928

Ion Ratio Lower Upper

83 100

131 10.5 4.7 14.1

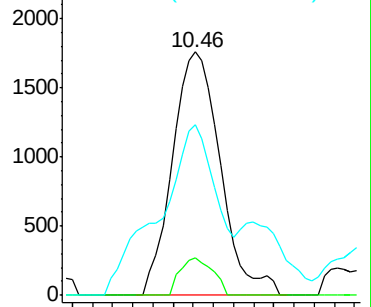
85 85.1 32.5 97.5



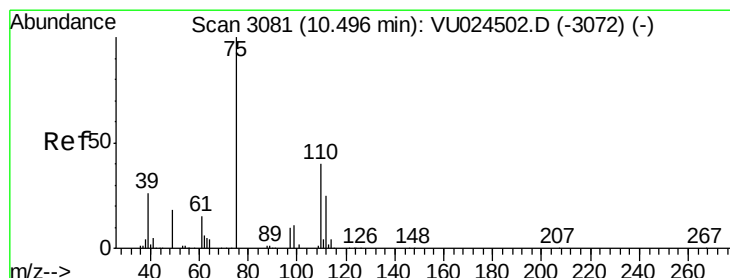
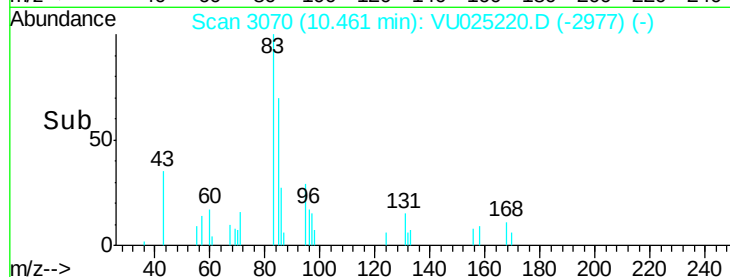
Abundance Ion 82.90 (82.60 to 83.60): VU025220.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025220.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025220.D (-2977) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 24.77 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025220.D

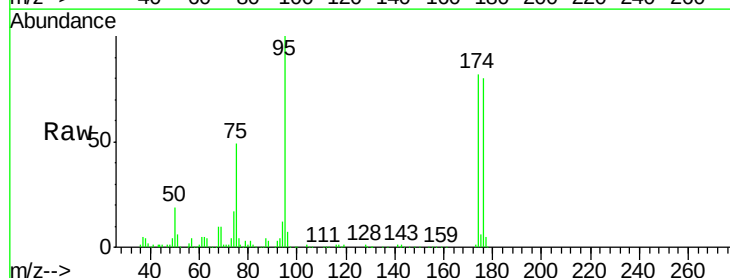
Acq: 05 Jul 2018 17:03

Tgt Ion: 75 Resp: 105683

Ion Ratio Lower Upper

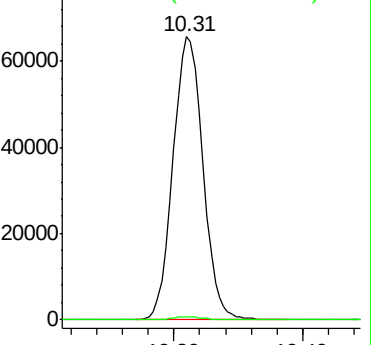
75 100

77 1.3 20.9 62.7#

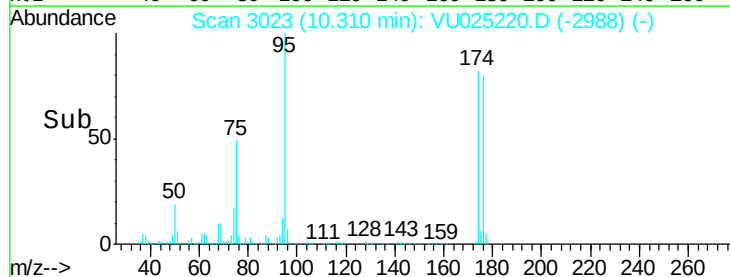


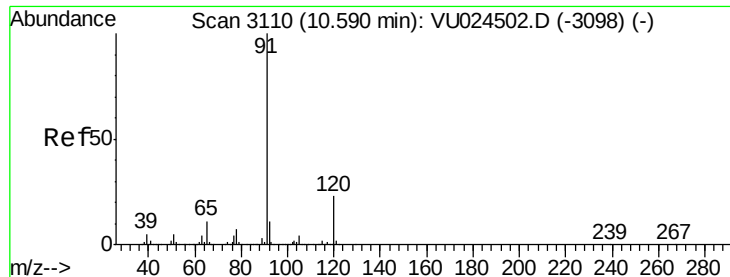
Abundance Ion 74.90 (74.60 to 75.60): VU025220.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025220.D (-2988) (-)



Time-->





#78

n-propylbenzene

Concen: 1.11 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

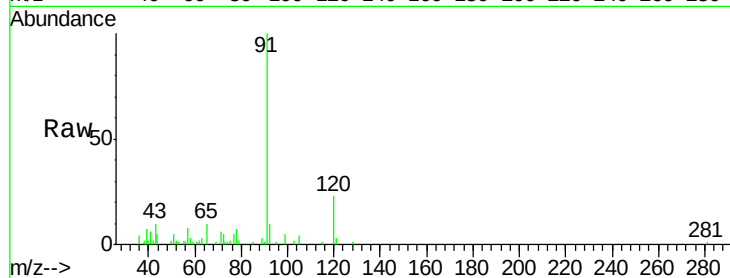
ClientSampleId :

Tot Ion: 91 Resp: 19530

Ion Ratio Lower Upper

91 100

120 24.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

10.59

15000

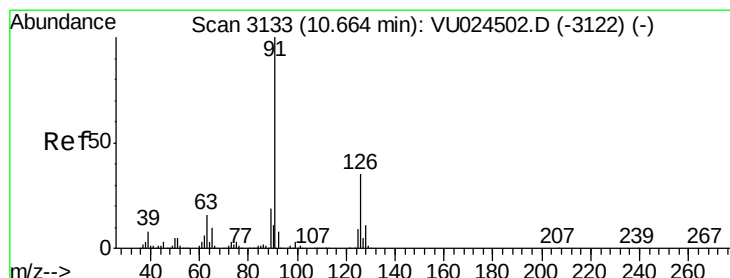
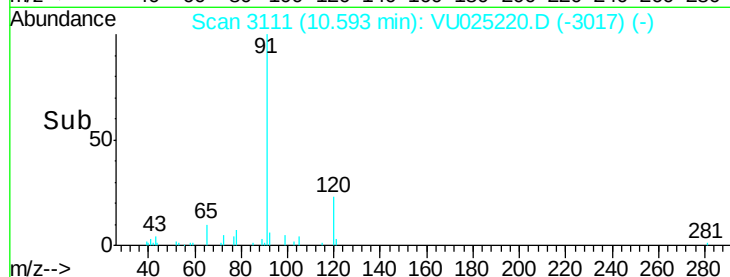
10000

5000

0

Time-->

10.55 10.60 10.65



#79

2-Chlorotoluene

Concen: 0.25 ug/l

RT: 10.68 min Scan# 3139

Delta R.T. 0.02 min

Lab File: VU025220.D

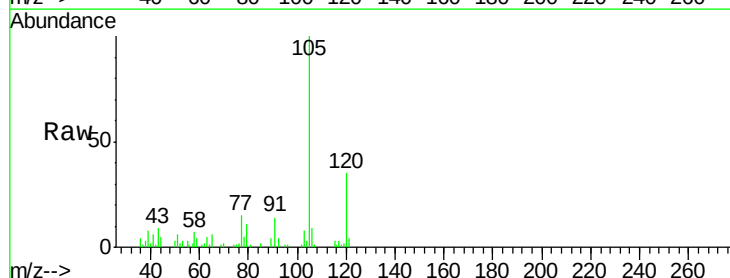
Acq: 05 Jul 2018 17:03

Tgt Ion: 91 Resp: 2613

Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

10.68

2000

1500

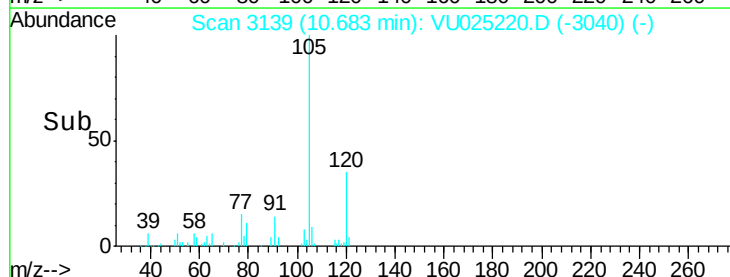
1000

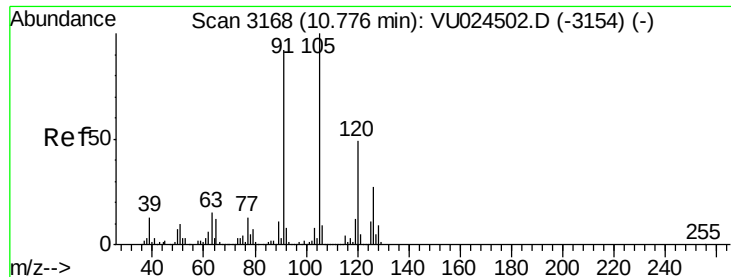
500

0

Time-->

10.65 10.70





#80

1,3,5-Trimethylbenzene

Concen: 1.61 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

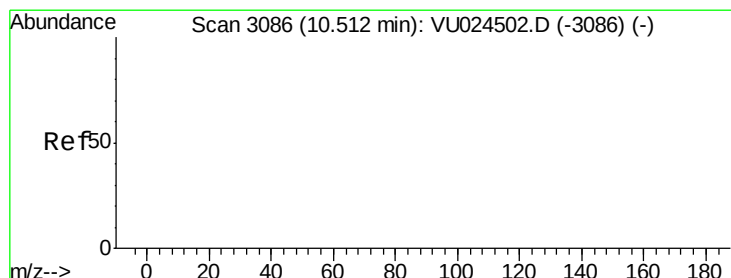
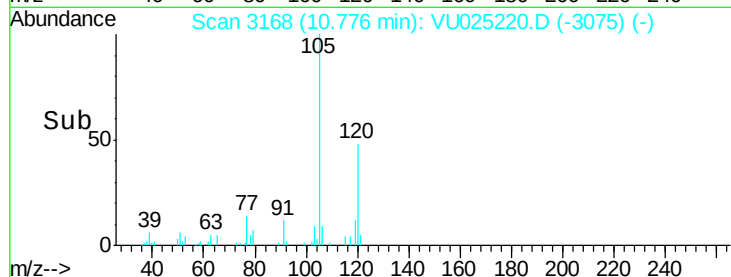
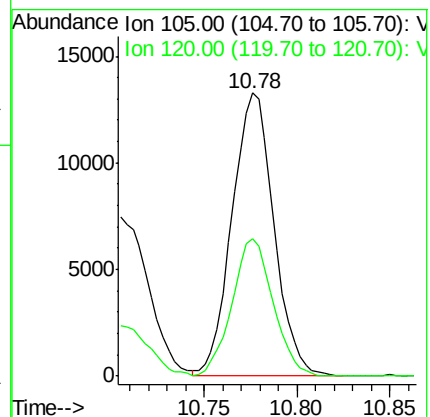
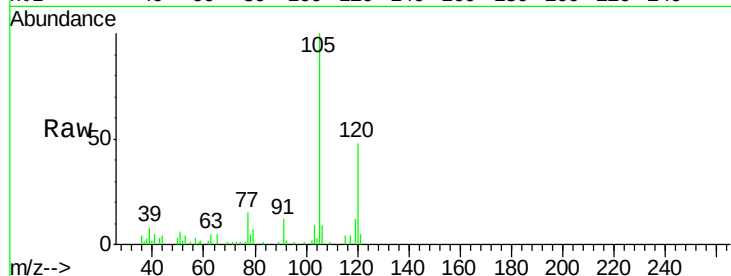
ClientSampleId :

Tot Ion:105 Resp: 20823

Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.2



#81

trans-1,4-Dichloro-2-butene

Concen: 57.34 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

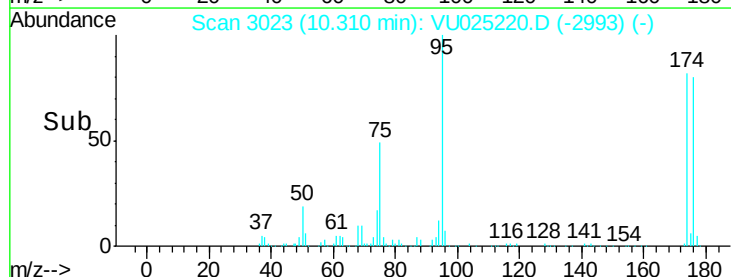
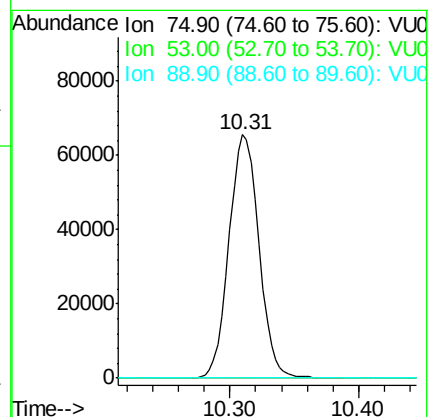
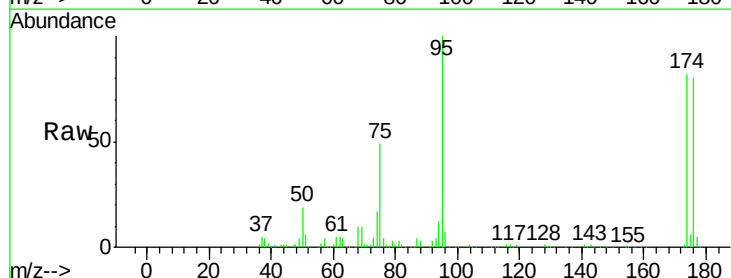
Tgt Ion: 75 Resp: 105683

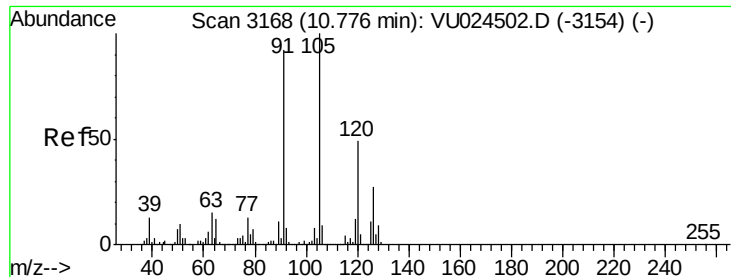
Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

89 0.0 0.0 0.0

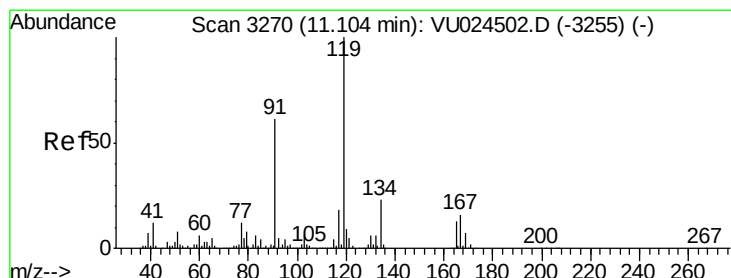
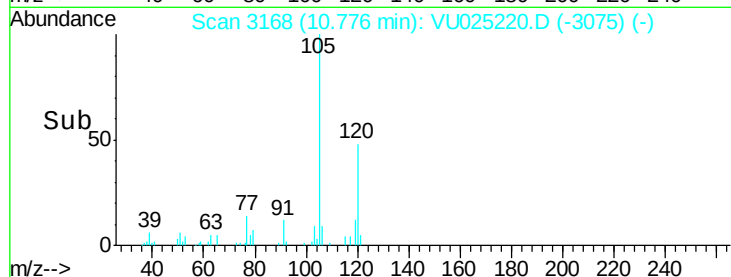
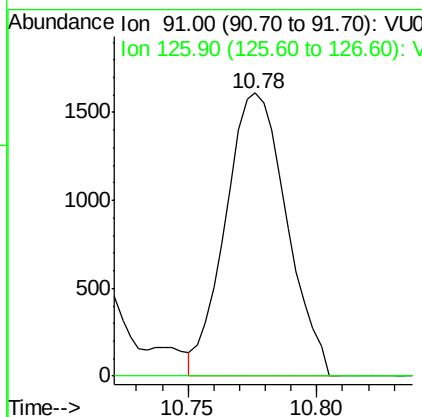
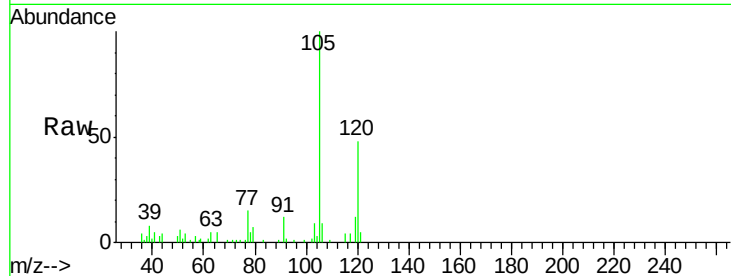




#82
4-Chlorotoluene
Concen: 0.22 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

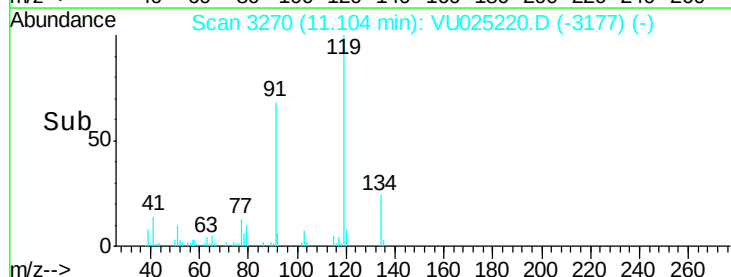
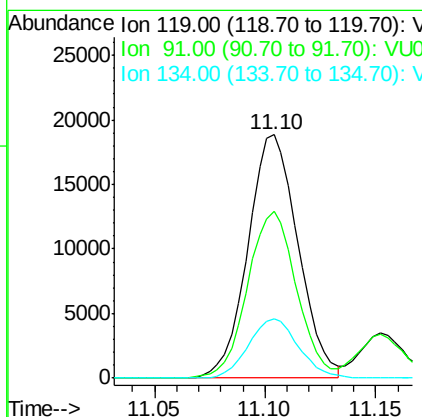
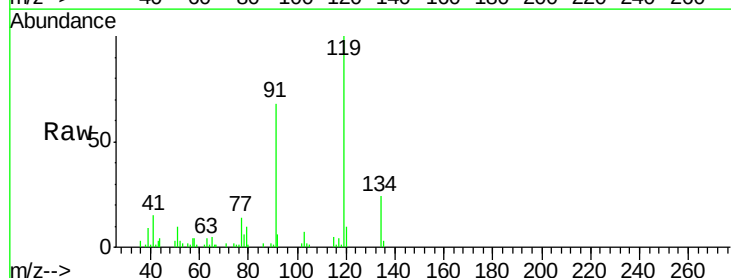
Instrument :
MSVOA_U
ClientSampleId :

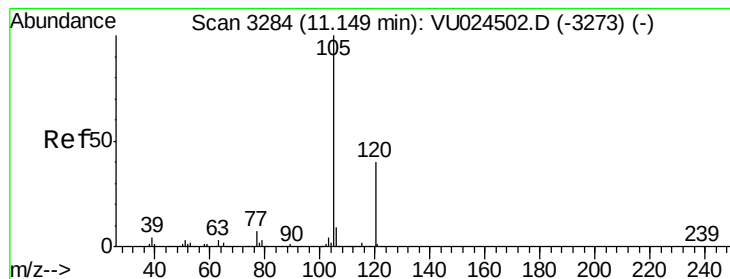
Tot Ion: 91 Resp: 2663
Ion Ratio Lower Upper
91 100
126 0.0 14.9 44.9#



#83
tert-Butylbenzene
Concen: 2.40 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion: 119 Resp: 29767
Ion Ratio Lower Upper
119 100
91 67.2 29.7 89.1
134 24.2 11.6 34.7





#84

1,2,4-Trimethylbenzene

Concen: 3.55 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

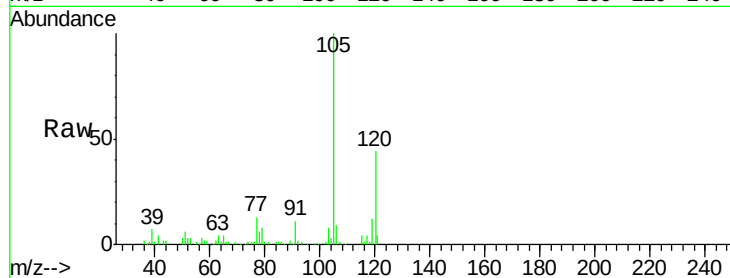
ClientSampleId :

Tot Ion:105 Resp: 46634

Ion Ratio Lower Upper

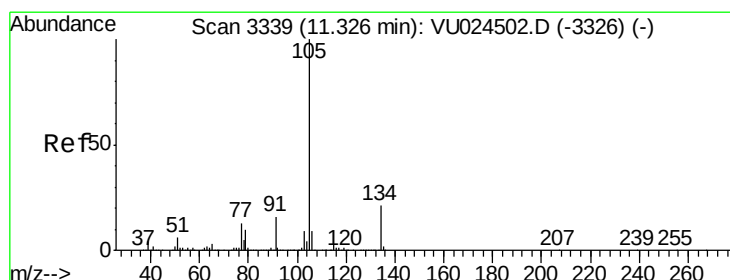
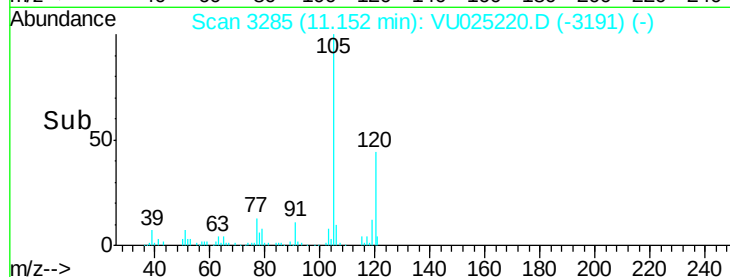
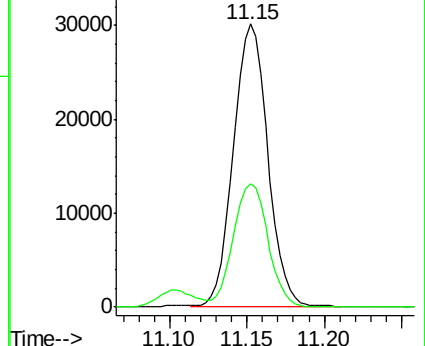
105 100

120 44.0 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 2.23 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025220.D

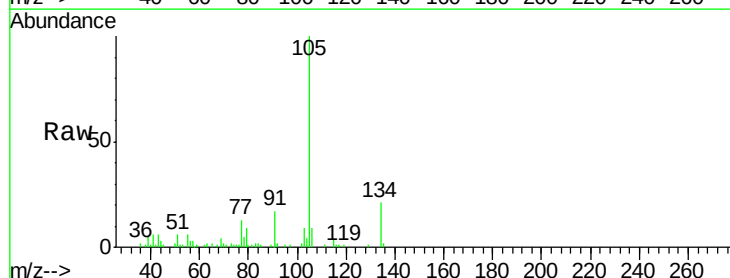
Acq: 05 Jul 2018 17:03

Tgt Ion:105 Resp: 34561

Ion Ratio Lower Upper

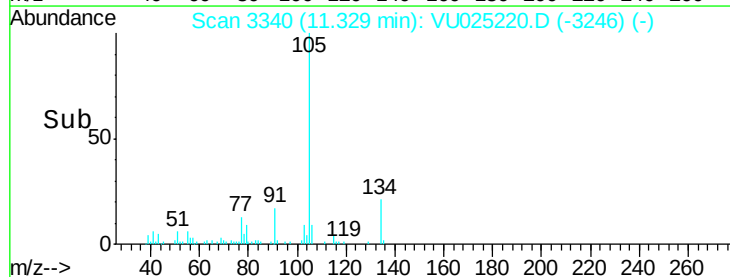
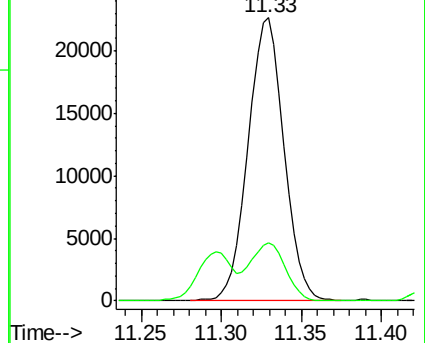
105 100

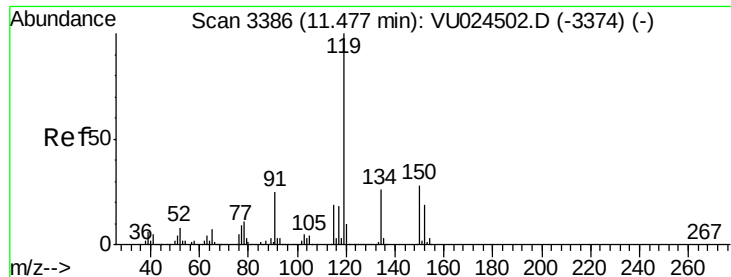
134 19.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

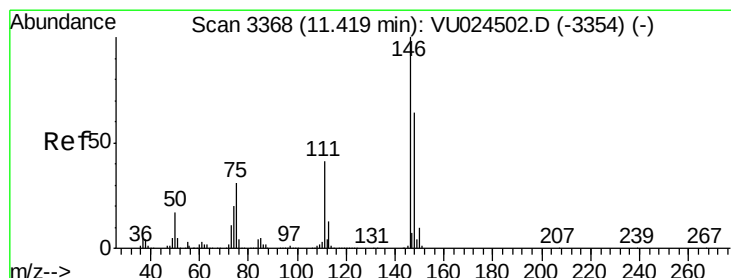
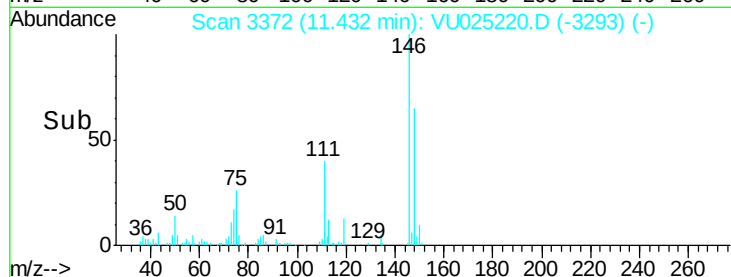
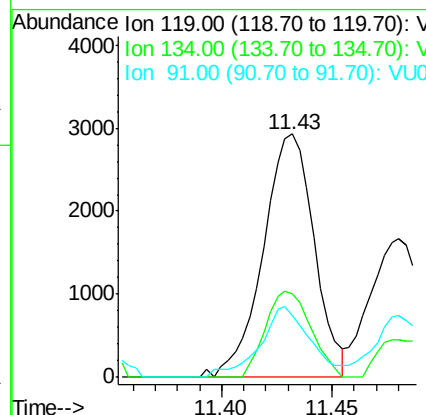
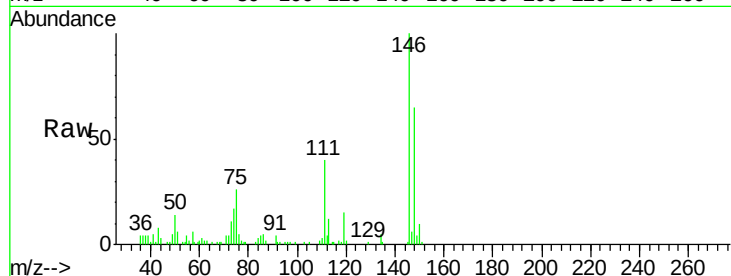




#86
 p-Isopropyltoluene
 Concen: 0.34 ug/l
 RT: 11.43 min Scan# 3372
 Delta R.T. -0.05 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

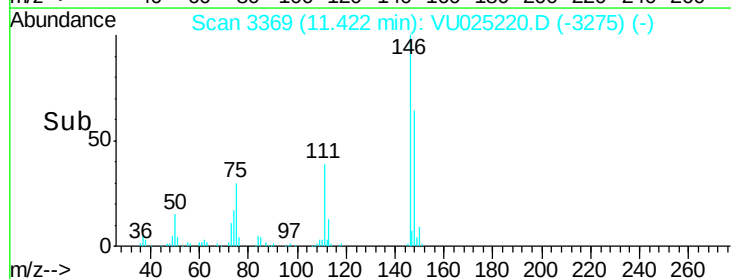
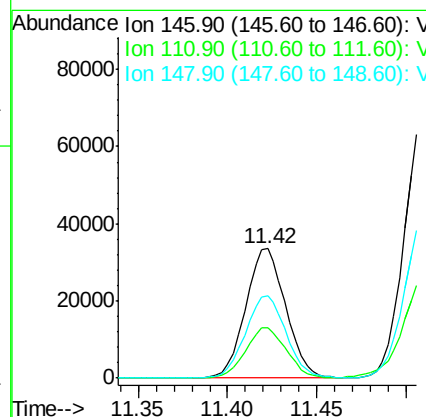
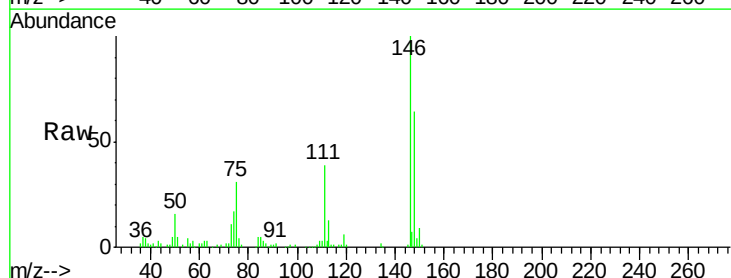
Instrument :
 MSVOA_U
 ClientSampleId :

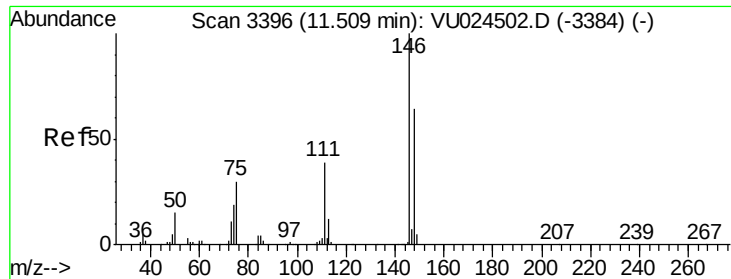
Tot Ion	Ratio	Lower	Upper
119	100		
134	31.4	12.9	38.6
91	28.6	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 7.58 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	64.6	32.1	96.5





#88

1,4-Dichlorobenzene

Concen: 15.95 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025220.D

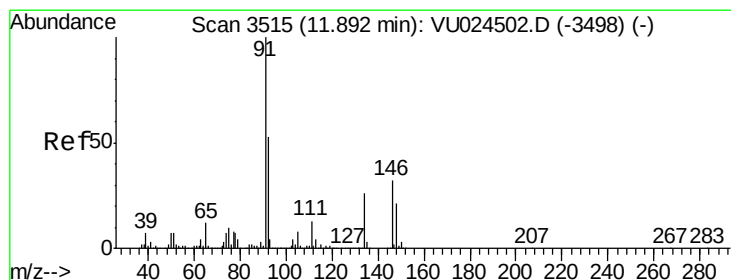
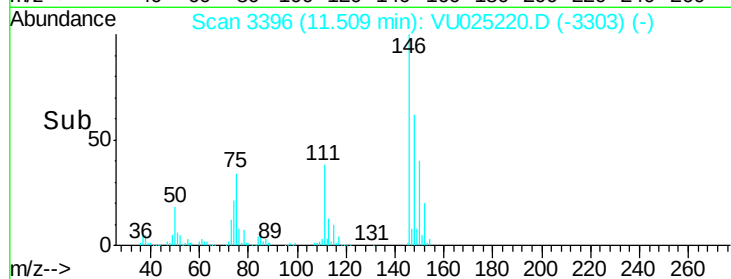
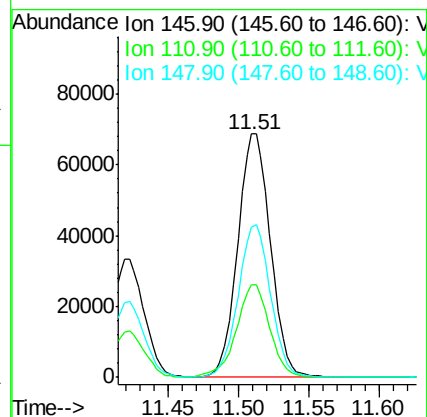
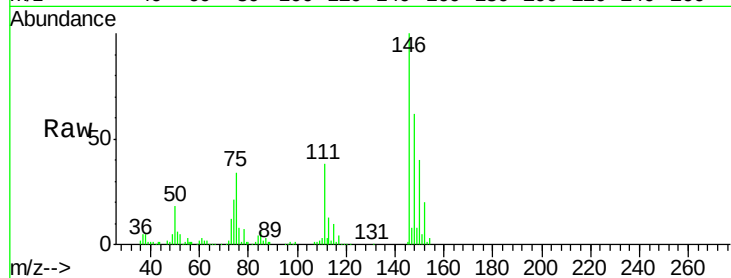
Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	111711
Ion	Ratio	Lower Upper
146	100	
111	39.1	19.5 58.5
148	62.4	32.4 97.0



#89

n-Butylbenzene

Concen: 0.38 ug/l

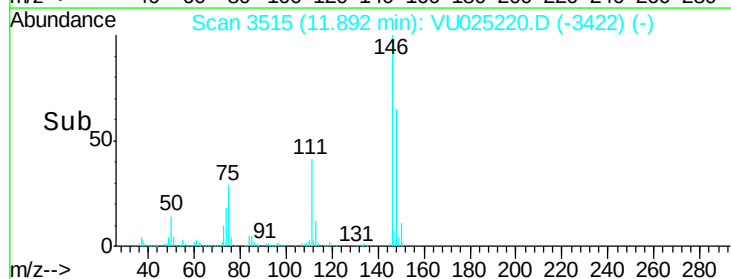
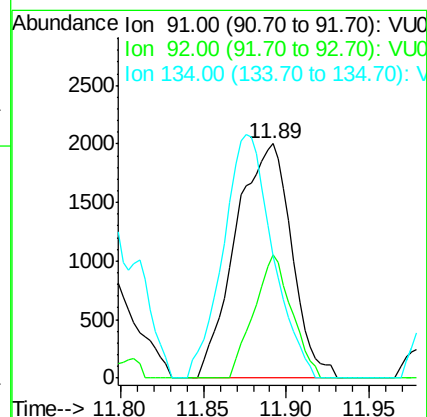
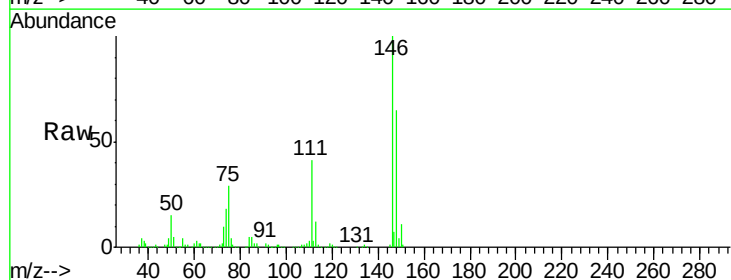
RT: 11.89 min Scan# 3515

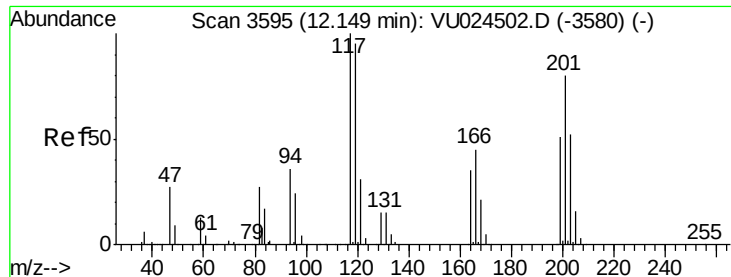
Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Tgt Ion: 91	Resp:	4706
Ion	Ratio	Lower Upper
91	100	
92	35.4	25.6 76.8
134	91.5	12.3 36.8#





#90

Hexachloroethane

Concen: 1.07 ug/l

RT: 12.29 min Scan# 3639

Delta R.T. 0.14 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

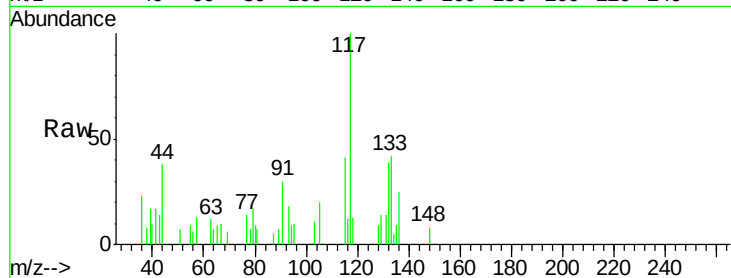
ClientSampled :

Tot Ion:117 Resp: 2910

Ion Ratio Lower Upper

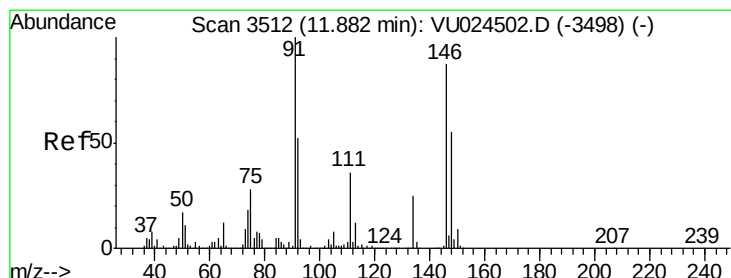
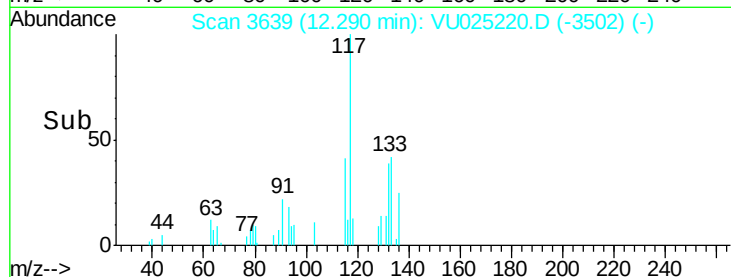
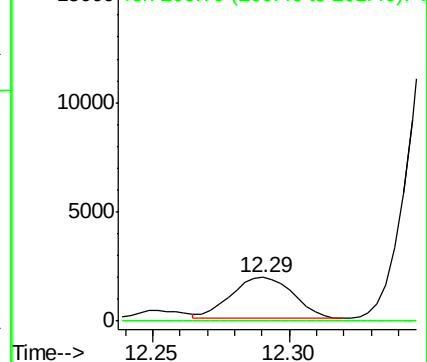
117 100

201 0.0 41.1 123.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 43.95 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

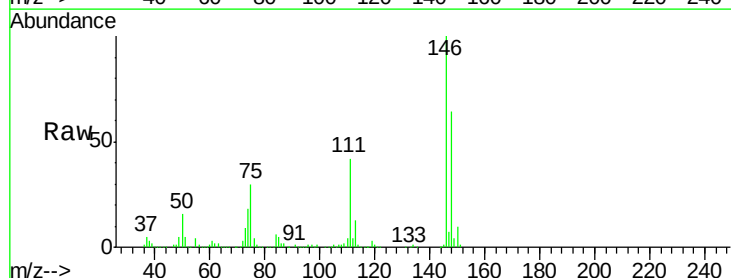
Tgt Ion:146 Resp: 306279

Ion Ratio Lower Upper

146 100

111 42.3 20.5 61.6

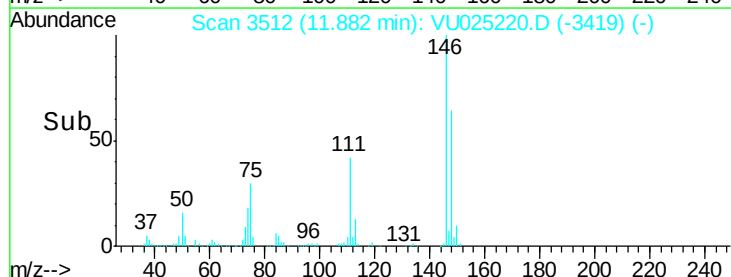
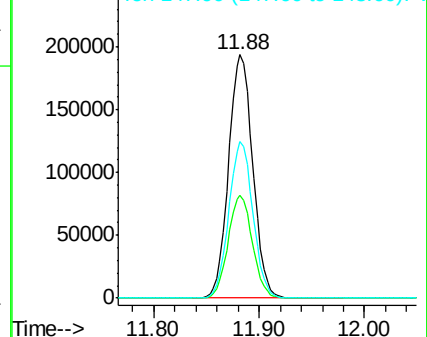
148 64.1 31.9 95.7

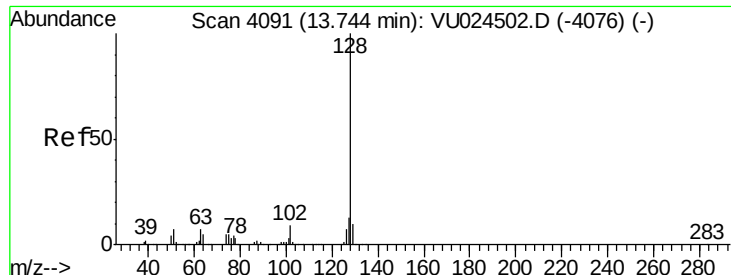


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95

Naphthalene

Concen: 6.88 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

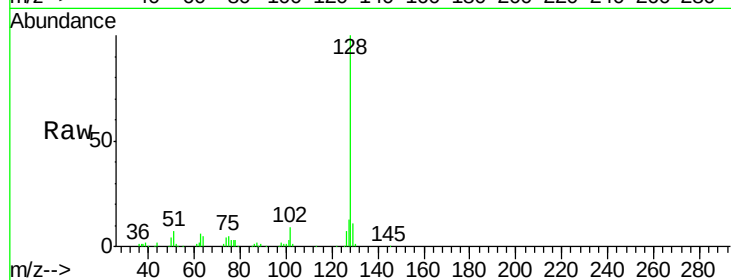
Tot Ion:128 Resp: 89552

Ion Ratio Lower Upper

128 100

127 12.4 10.6 16.0

129 10.7 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

