

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024898.D
 Acq On : 26 Jun 2018 01:01
 Operator : MD/SY
 Sample : J3669-12ME
 Misc : 6.16µ/5.0mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:40:05 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	4.98	168	220690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	338941	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	332604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	220959	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	164951	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	
35) Dibromofluoromethane	4.89	113	129905	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
50) Toluene-d8	7.57	98	501322	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	10.32	95	229086	56.23	ug/l	0.00
Spiked Amount			Recovery	=	112.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1059	0.38	ug/l	99
5) Bromomethane	1.61	94	1110	0.79	ug/l	82
6) Chloroethane	1.68	64	41	Below Cal	#	1
8) Diethyl Ether	1.87	74	163	Below Cal		97
10) Methyl Iodide	2.39	142	750	5.58	ug/l	95
11) Tert butyl alcohol	2.83	59	7299	8.33	ug/l	# 74
13) Acrolein	2.20	56	250	0.54	ug/l	# 38
17) Carbon Disulfide	2.45	76	2278	0.28	ug/l	# 78
18) Methyl Acetate	2.62	43	2005	0.48	ug/l	# 68
20) Methylene Chloride	2.69	84	1065	0.35	ug/l	# 75
31) Cyclohexane	4.98	56	7861	Below Cal	#	49
36) 1,1-Dichloropropene	4.98	75	16036	4.03	ug/l	# 50
38) Carbon Tetrachloride	4.98	117	20353	4.65	ug/l	# 17
39) Methylcyclohexane	6.41	83	17038	3.43	ug/l	94
40) Benzene	5.39	78	3176	0.28	ug/l	97
43) Isopropyl Acetate	5.53	43	32153	4.29	ug/l	# 62
48) Methyl methacrylate	6.58	41	2171	0.59	ug/l	# 37
51) 4-Methyl-2-Pentanone	7.52	43	12514	2.65	ug/l	# 75
52) Toluene	7.64	92	12975	1.78	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	4827	1.63	ug/l	# 17
56) Ethyl methacrylate	8.05	69	1347	0.27	ug/l	# 16
59) 2-Hexanone	8.33	43	46444	12.07	ug/l	# 30
65) Chlorobenzene	9.13	112	619134	72.87	ug/l	100
67) Ethyl Benzene	9.26	91	39300	2.64	ug/l	99
68) m/p-Xylenes	9.38	106	24620	4.30	ug/l	96
69) o-Xylene	9.79	106	25859	4.57	ug/l	98
73) Isopropylbenzene	10.17	105	21404	1.26	ug/l	100
74) N-amyl acetate	10.01	43	94502	11.71	ug/l	# 56
75) 1,1,2,2-Tetrachloroethane	10.46	83	54961	9.67	ug/l	# 29
76) 1,2,3-Trichloropropane	10.32	75	106348	21.86	ug/l	# 37
78) n-propylbenzene	10.60	91	38860	1.94	ug/l	97
79) 2-Chlorotoluene	10.64	91	5088	0.43	ug/l	# 56
80) 1,3,5-Trimethylbenzene	10.78	105	69787	4.75	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.32	75	106348	50.60	ug/l	# 100

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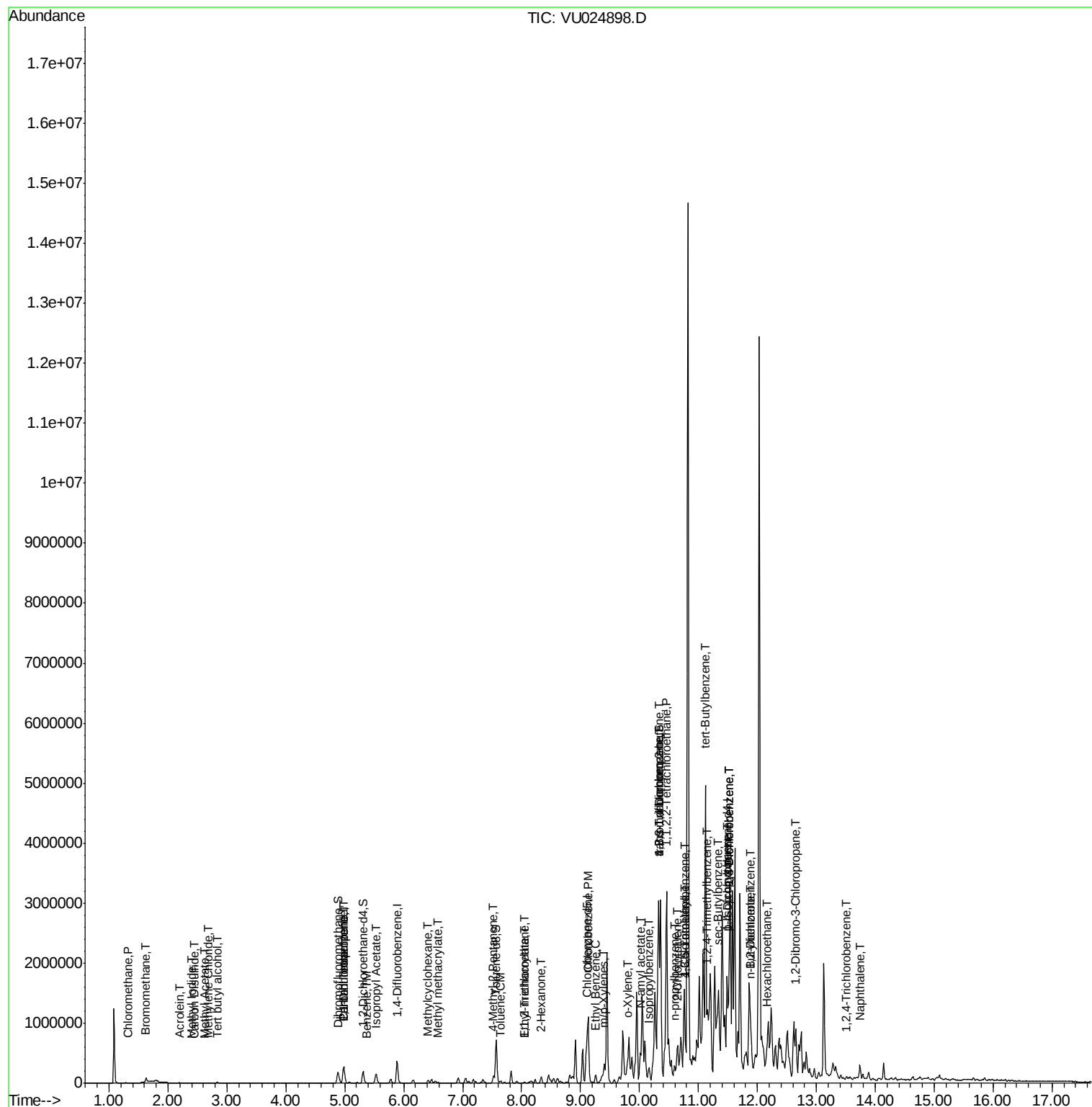
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	10.78	91	11095	0.81	µg/l #	45
83) tert-Butylbenzene	11.11	119	19185	1.36	µg/l	87
84) 1,2,4-Trimethylbenzene	11.16	105	261960	17.48	µg/l	99
85) sec-Butylbenzene	11.33	105	58702	3.32	µg/l	94
86) p-Isopropyltoluene	11.48	119	15031	0.95	µg/l	95
87) 1,3-Dichlorobenzene	11.52	146	241002	30.37	µg/l	96
88) 1,4-Dichlorobenzene	11.52	146	241002	30.18	µg/l	95
89) n-Butylbenzene	11.89	91	74722	5.31	µg/l #	65
90) Hexachloroethane	12.15	117	5637	1.82	µg/l #	8
91) 1,2-Dichlorobenzene	11.89	146	89007	11.20	µg/l	90
92) 1,2-Dibromo-3-Chloropropan	12.65	75	385	0.25	µg/l #	1
93) 1,2,4-Trichlorobenzene	13.51	180	1811	0.37	µg/l #	16
95) Naphthalene	13.75	128	112996	7.54	µg/l	97

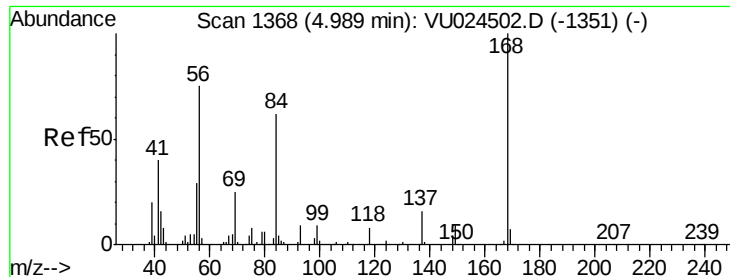
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

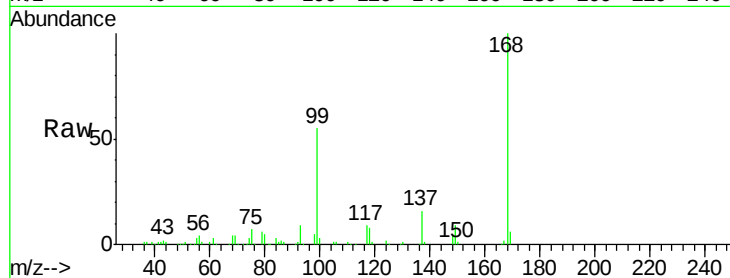
ClientSampleId :

Tot Ion:168 Resp: 220690

Ion Ratio Lower Upper

168 100

99 55.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.98

100000

80000

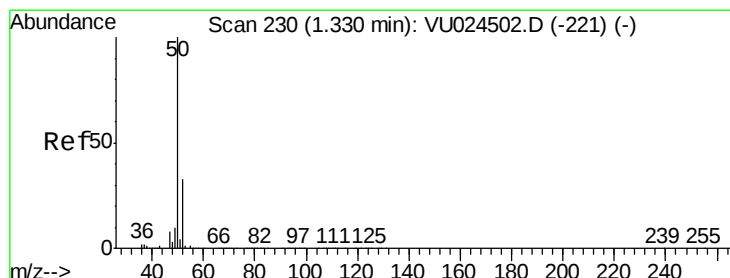
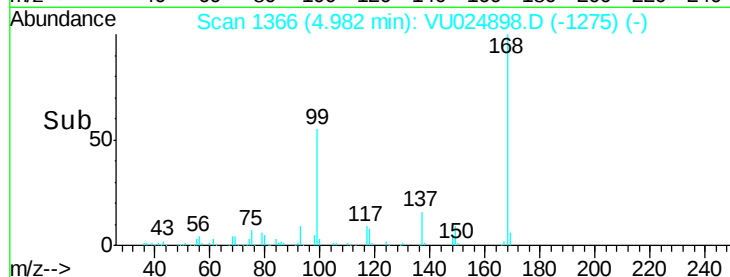
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.38 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU024898.D

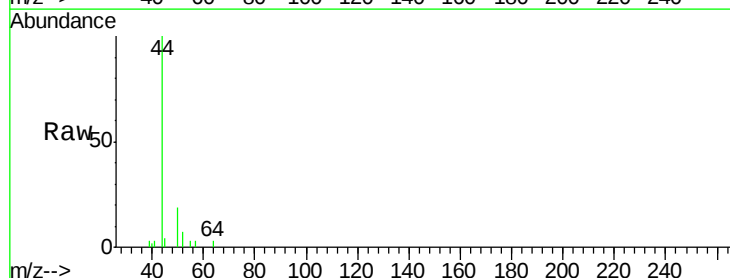
Acq: 26 Jun 2018 01:01

Tgt Ion: 50 Resp: 1059

Ion Ratio Lower Upper

50 100

52 33.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024898.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024898.D (-137) (-)

1.32

1000

800

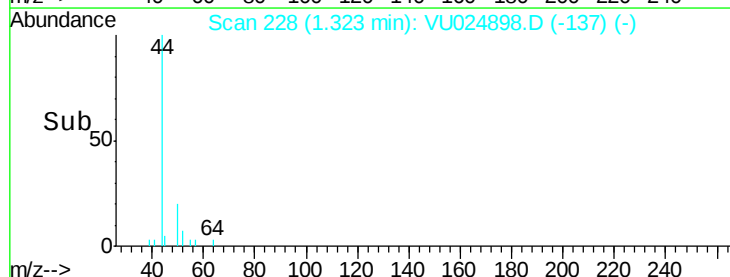
600

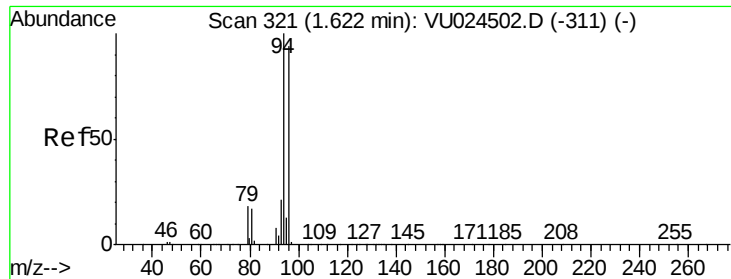
400

200

0

Time-->





#5

Bromomethane

Concen: 0.79 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

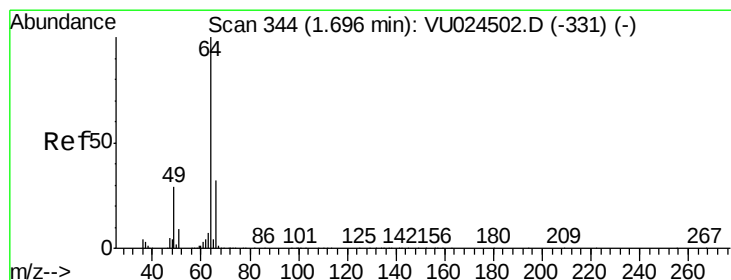
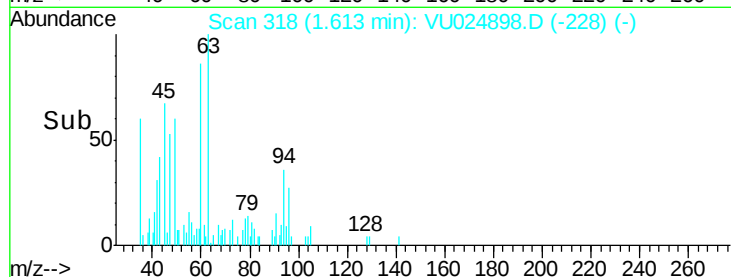
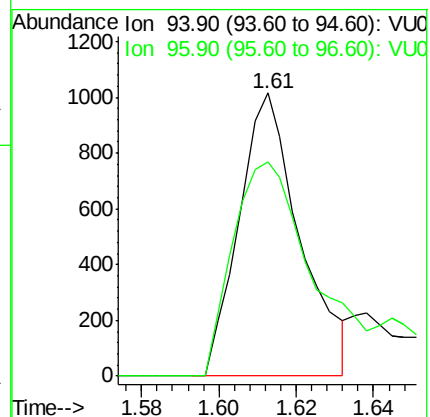
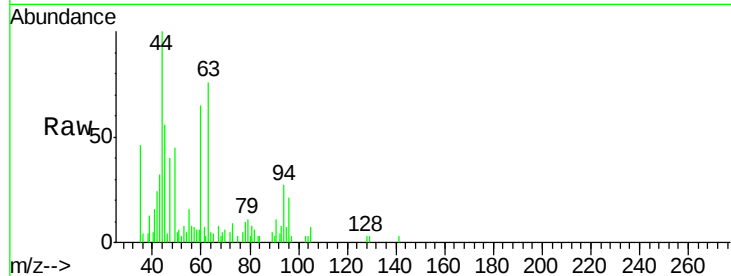
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 1110

Ion Ratio Lower Upper

94 100

96 75.7 74.5 111.7



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU024898.D

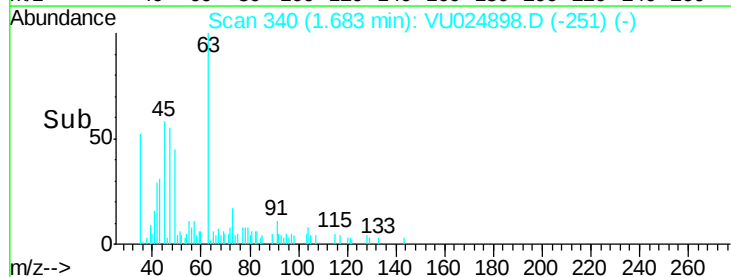
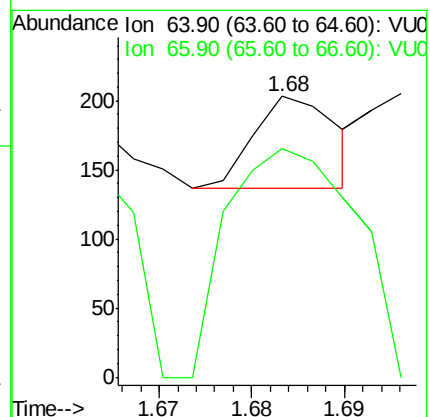
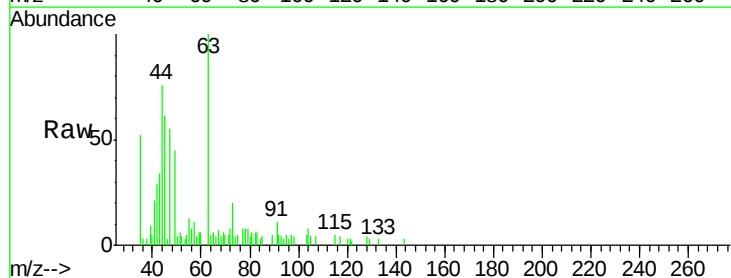
Acq: 26 Jun 2018 01:01

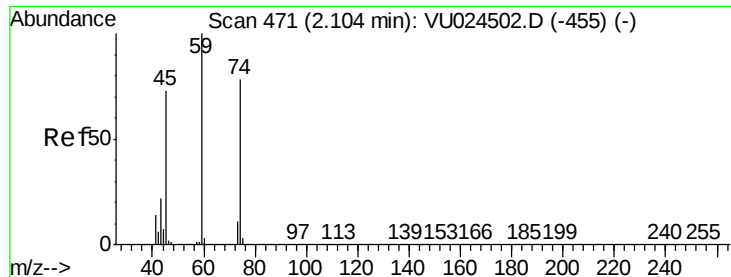
Tgt Ion: 64 Resp: 41

Ion Ratio Lower Upper

64 100

66 250.0 25.5 38.3#





#8

Diethyl Ether

Concen: Below Cal

RT: 1.87 min Scan# 398

Delta R.T. -0.23 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

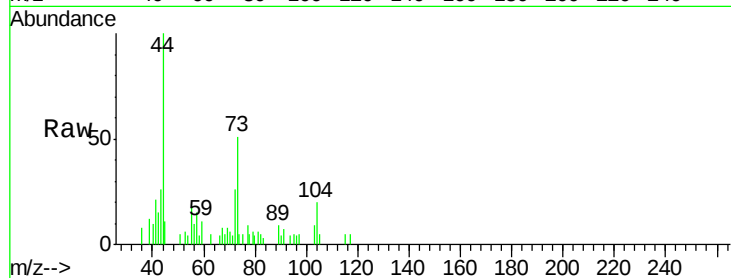
ClientSampleId :

Tot Ion: 74 Resp: 163

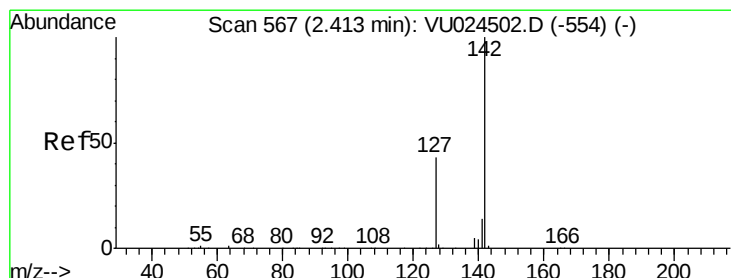
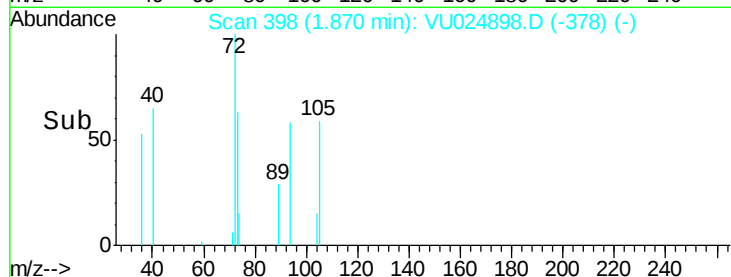
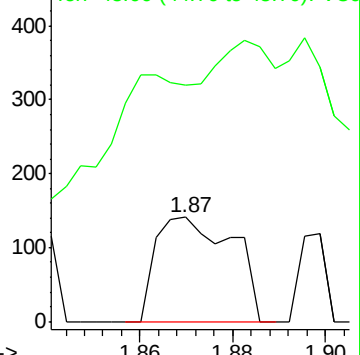
Ion Ratio Lower Upper

74 100

45 112.9 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU024898.D (-378) (-)



#10

Methyl Iodide

Concen: 5.58 ug/l

RT: 2.39 min Scan# 561

Delta R.T. -0.02 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

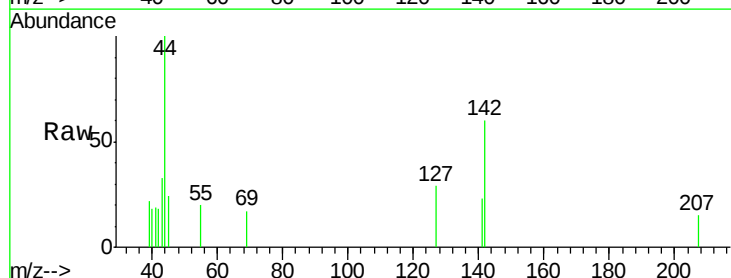
Tgt Ion: 142 Resp: 750

Ion Ratio Lower Upper

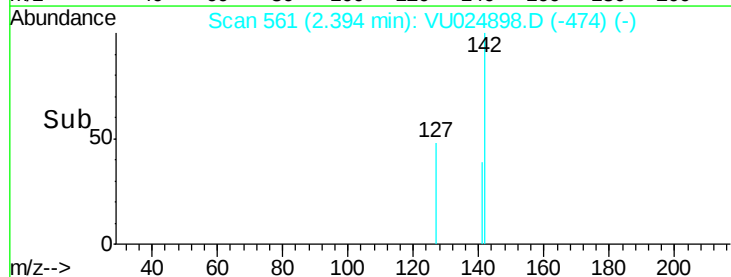
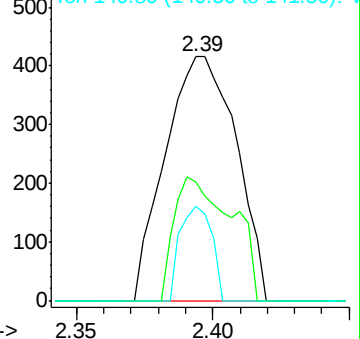
142 100

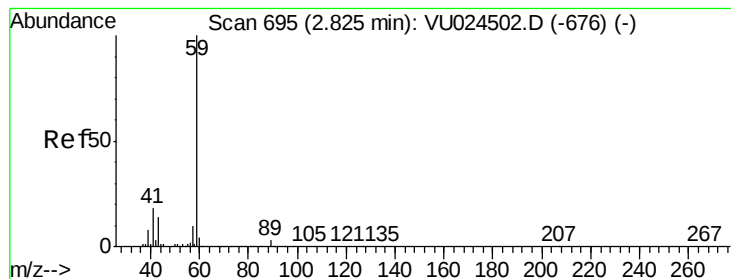
127 41.3 35.6 53.4

141 17.2 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): VU024898.D (-474) (-)



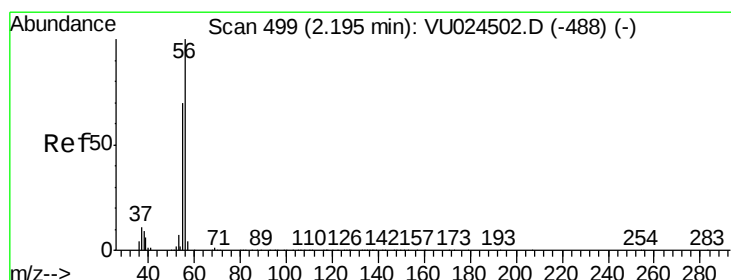
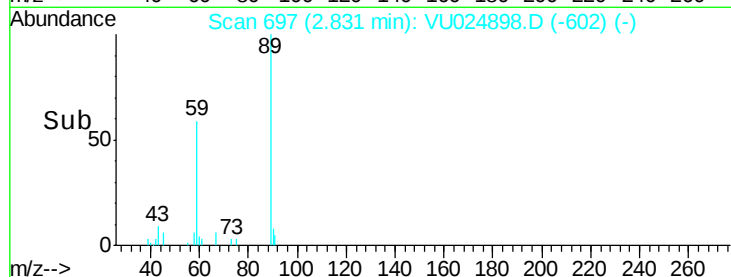
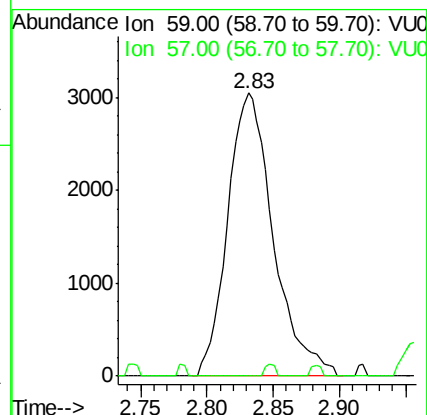
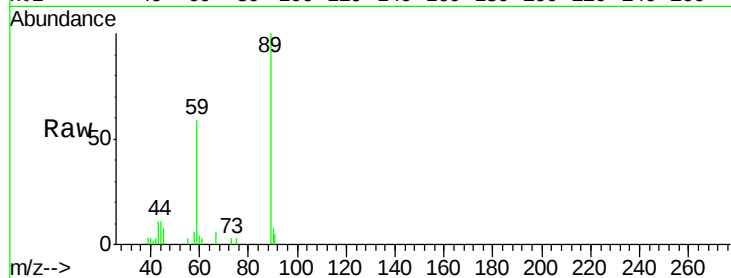


#11

Tert butyl alcohol
 Concen: 8.33 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VU024898.D
 Acq: 26 Jun 2018 01:01

Instrument :
 MSVOA_U
 ClientSampleId :

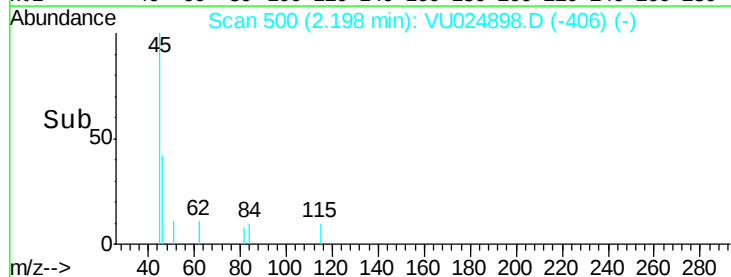
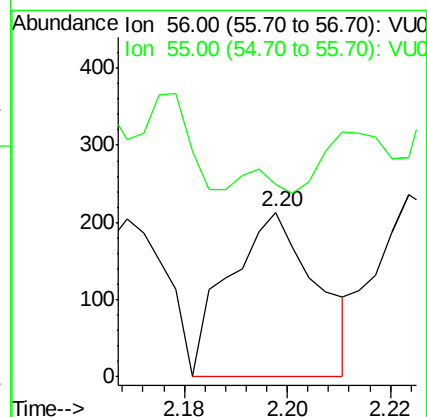
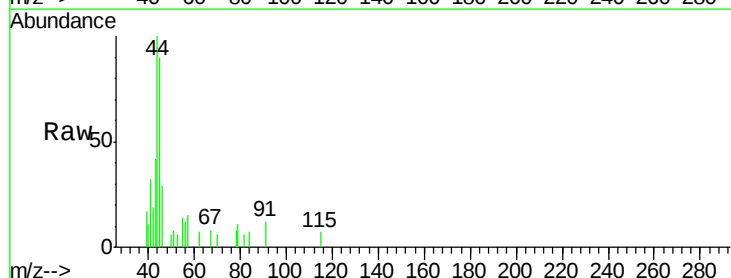
Tot Ion: 59 Resp: 7299
 Ion Ratio Lower Upper
 59 100
 57 1.0 8.5 12.7#

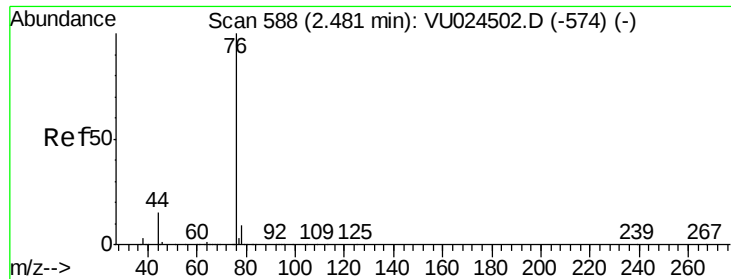


#13

Acrolein
 Concen: 0.54 ug/l
 RT: 2.20 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VU024898.D
 Acq: 26 Jun 2018 01:01

Tgt Ion: 56 Resp: 250
 Ion Ratio Lower Upper
 56 100
 55 21.2 58.4 87.6#





#17

Carbon Disulfide

Concen: 0.28 ug/l

RT: 2.45 min Scan# 578

Delta R.T. -0.03 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

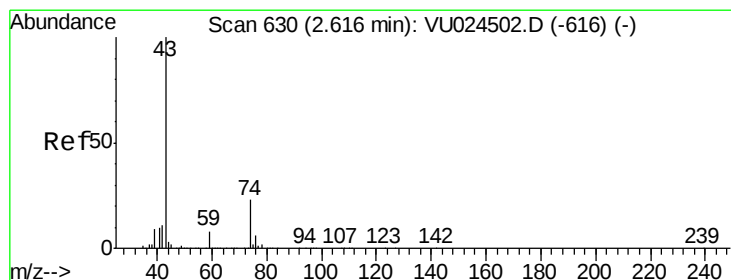
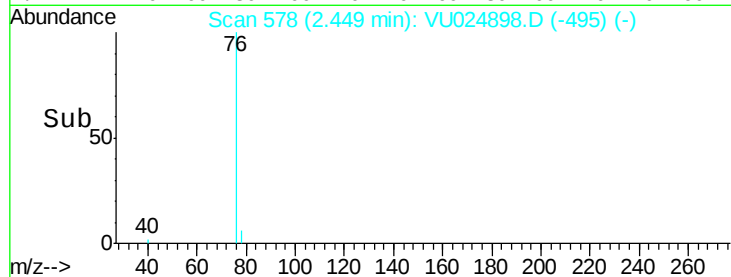
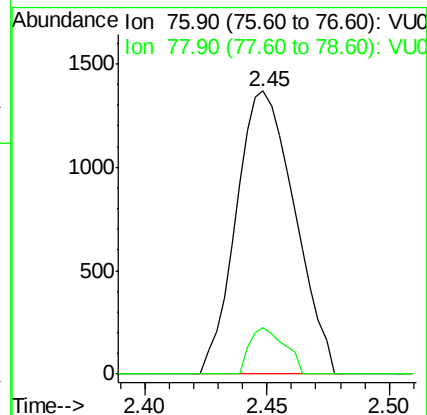
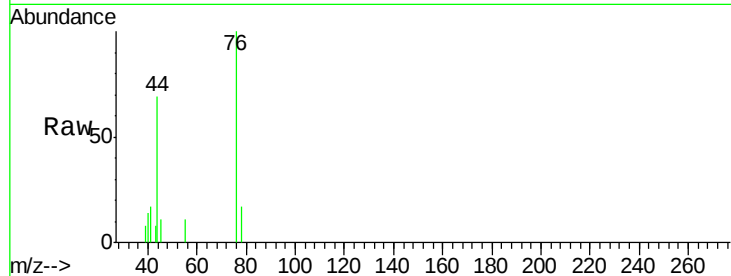
ClientSampleId :

Tot Ion: 76 Resp: 2278

Ion Ratio Lower Upper

76 100

78 16.7 7.1 10.7#



#18

Methyl Acetate

Concen: 0.48 ug/l

RT: 2.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU024898.D

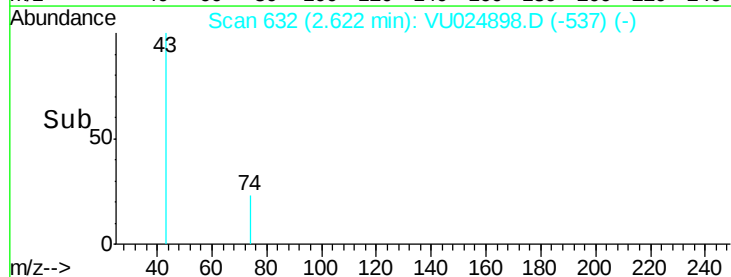
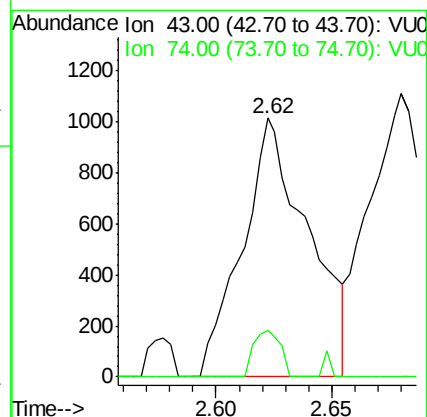
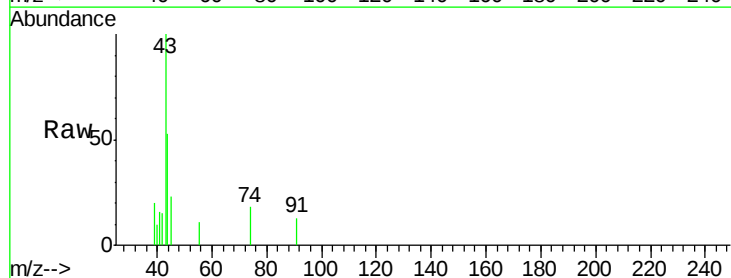
Acq: 26 Jun 2018 01:01

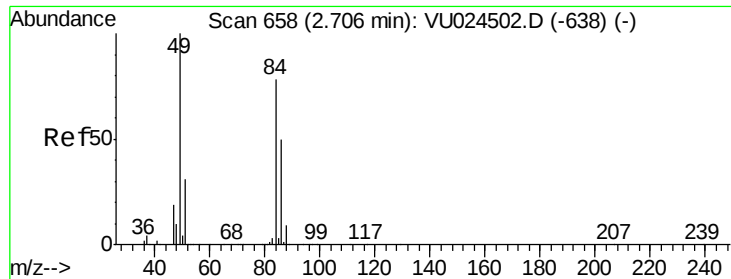
Tgt Ion: 43 Resp: 2005

Ion Ratio Lower Upper

43 100

74 7.3 18.0 27.0#

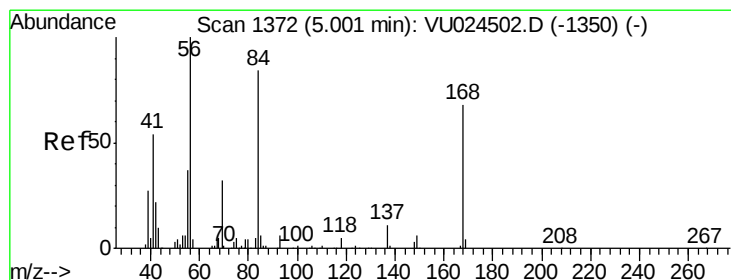
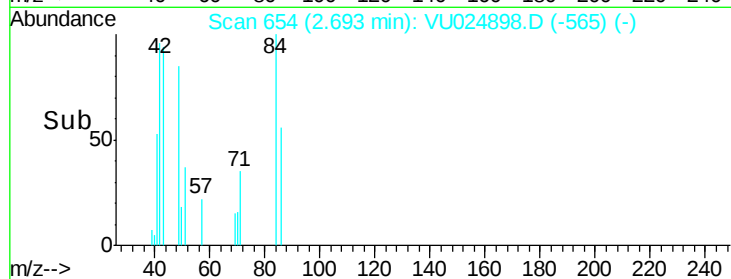
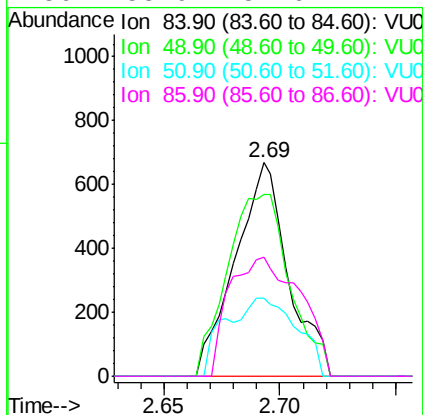
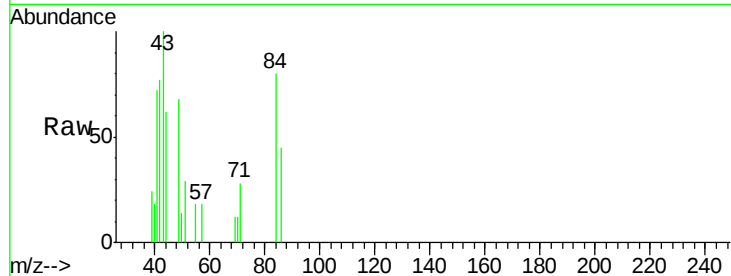




#20
Methylene Chloride
Concen: 0.35 ug/l
RT: 2.69 min Scan# 654
Delta R.T. -0.01 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

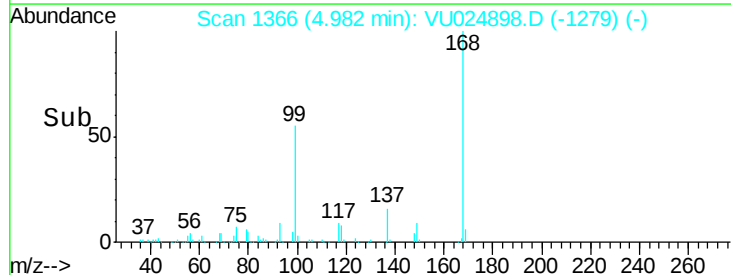
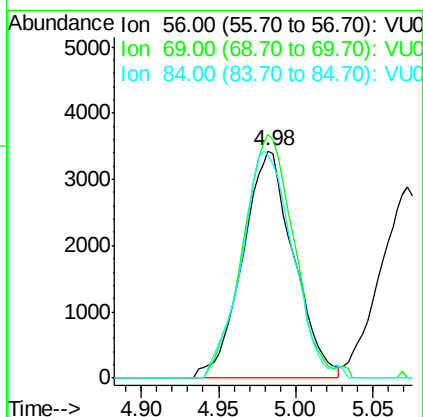
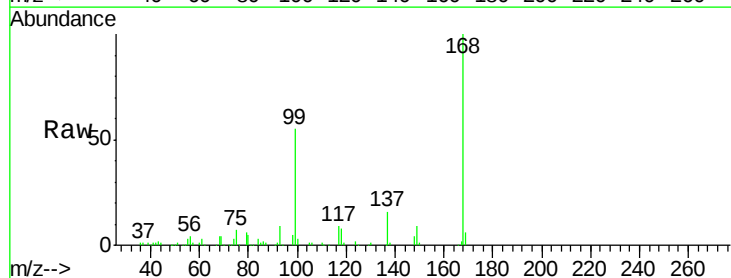
Instrument :
MSVOA_U
ClientSampled :

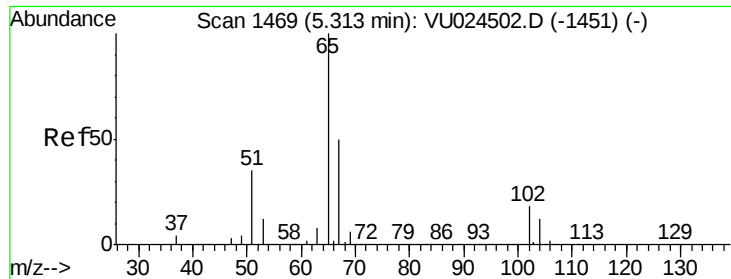
Tot Ion	84	Resp	1065
Ion	Ratio	Lower	Upper
84	100		
49	85.2	103.8	155.8#
51	36.8	32.0	48.0
86	55.9	51.6	77.4



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

Tgt Ion	56	Resp	7861
Ion	Ratio	Lower	Upper
56	100		
69	107.0	24.8	37.2#
84	98.0	65.2	97.8#

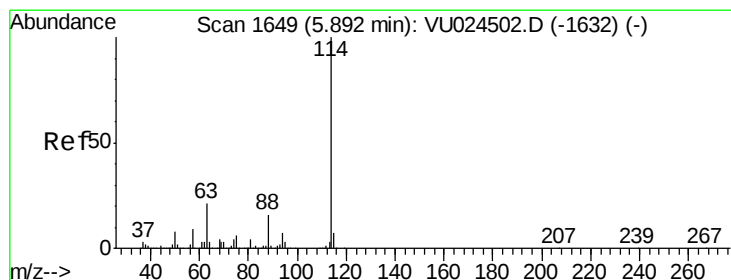
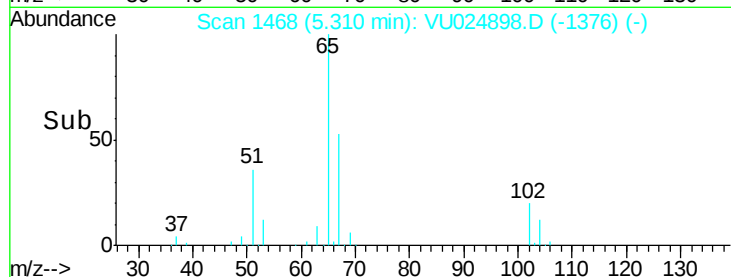
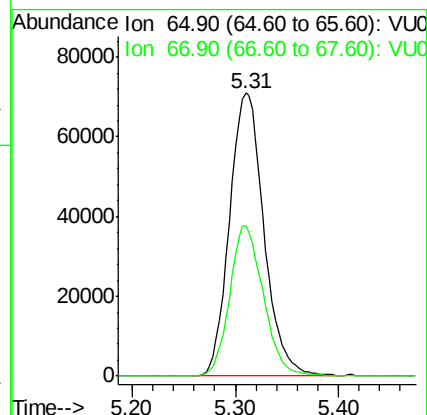
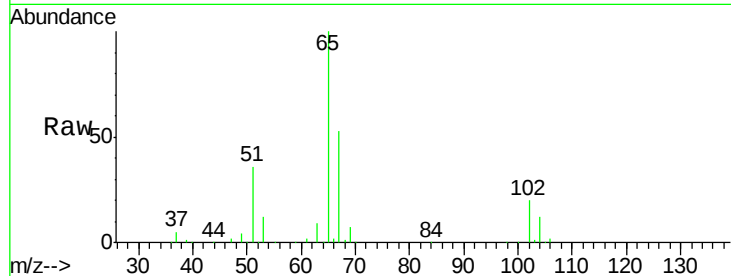




#33
 1,2-Dichloroethane-d4
 Concen: 45.78 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024898.D
 Acq: 26 Jun 2018 01:01

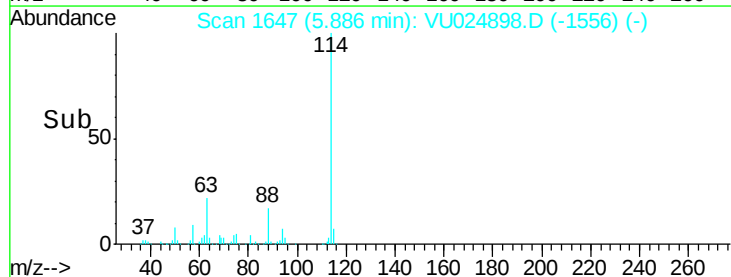
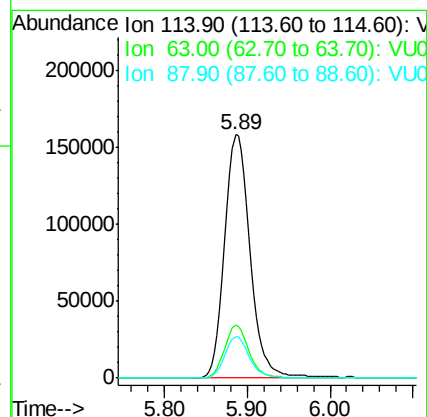
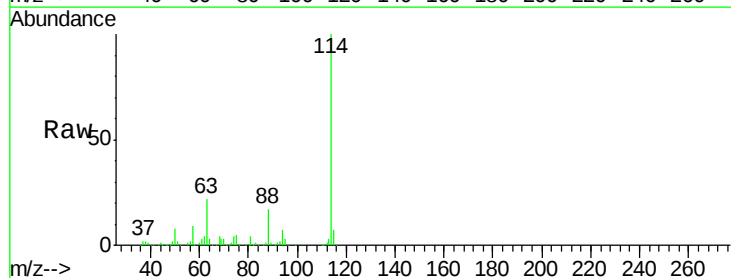
Instrument :
 MSVOA_U
 ClientSampleId :

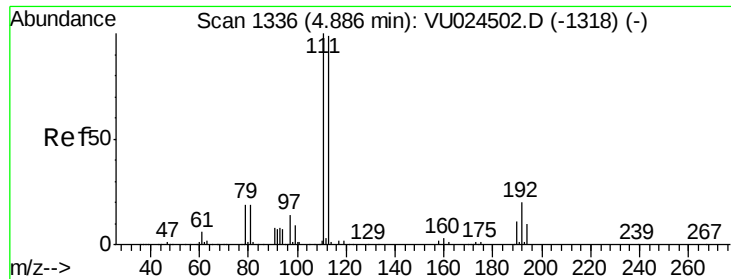
Tot Ion: 65 Resp: 164951
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: VU024898.D
 Acq: 26 Jun 2018 01:01

Tgt Ion: 114 Resp: 338941
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 45.4
 88 16.9 0.0 31.0

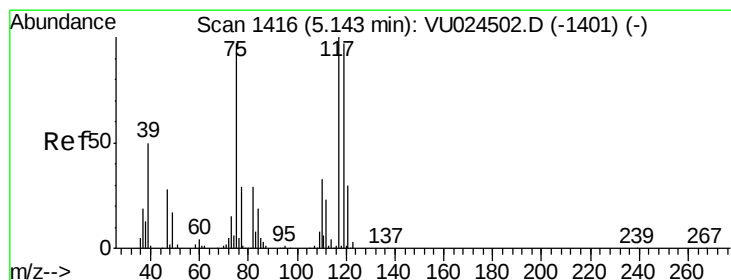
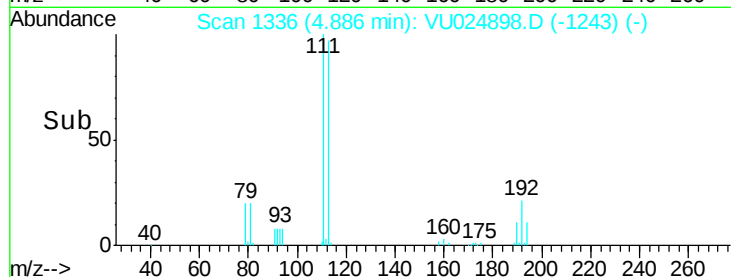
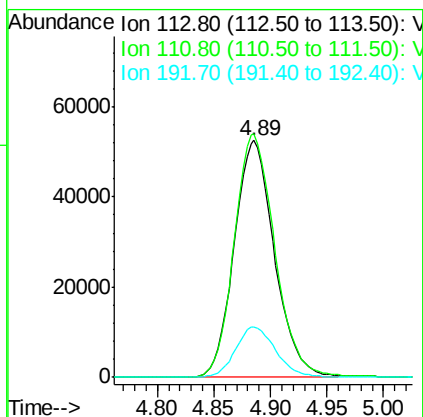
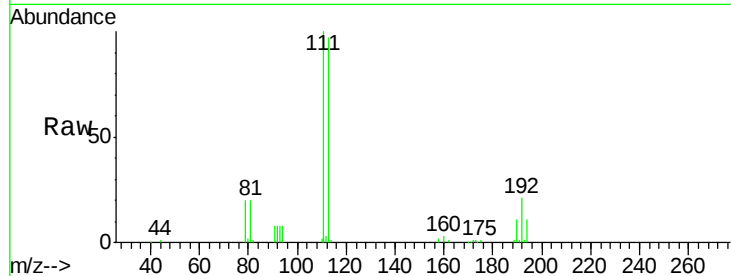




#35
Dibromofluoromethane
Concen: 46.18 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

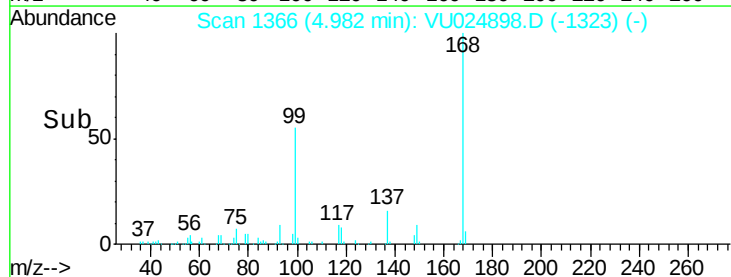
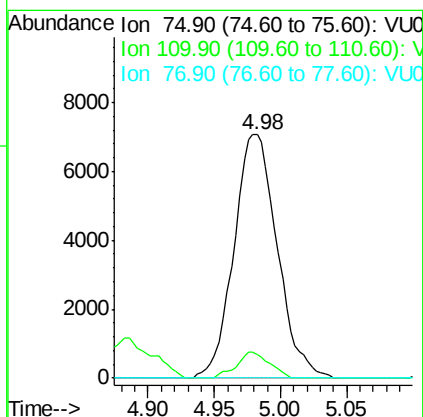
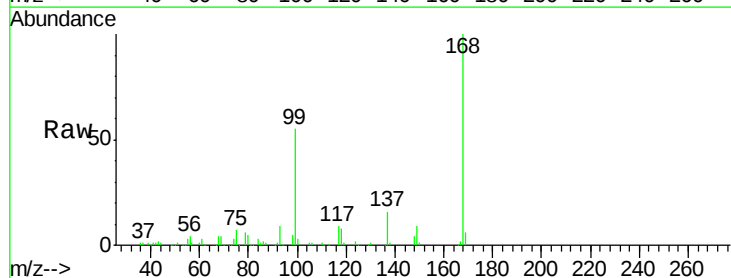
Instrument :
MSVOA_U
ClientSampleId :

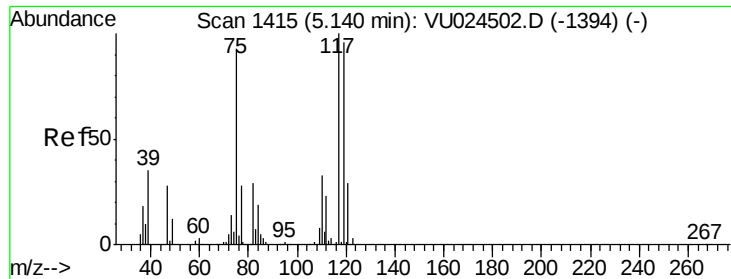
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.2	123.4
192	21.3	16.2	24.4



#36
1,1-Dichloropropene
Concen: 4.03 ug/l
RT: 4.98 min Scan# 1366
Delta R.T. -0.16 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.65 ug/l

RT: 4.98 min Scan# 1365

Delta R.T. -0.16 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

ClientSampled :

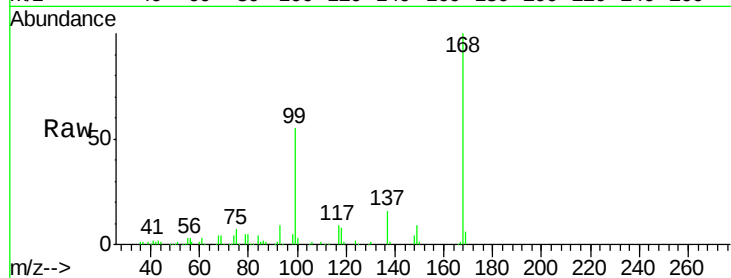
Tot Ion:117 Resp: 20353

Ion Ratio Lower Upper

117 100

119 5.9 76.1 114.1#

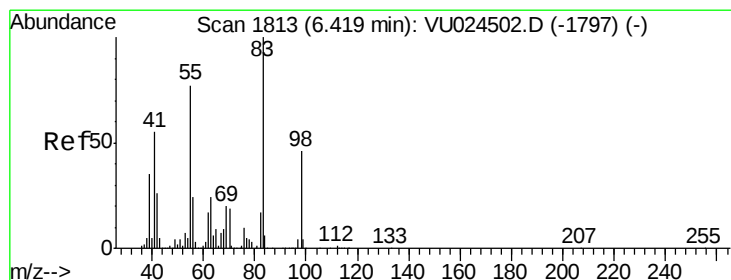
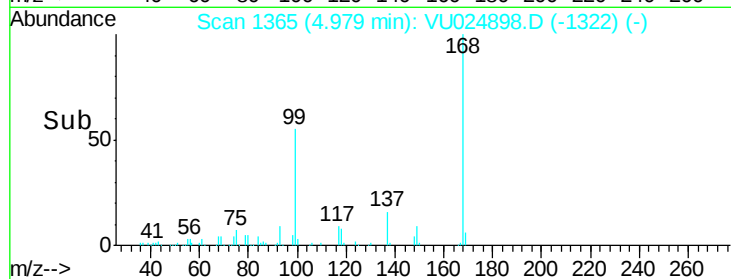
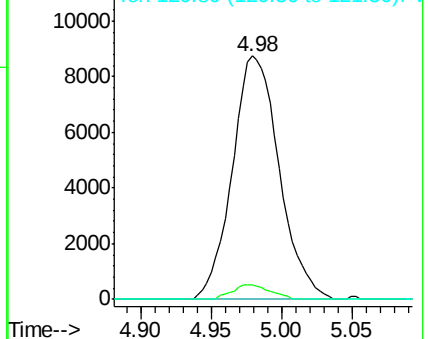
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 3.43 ug/l

RT: 6.41 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

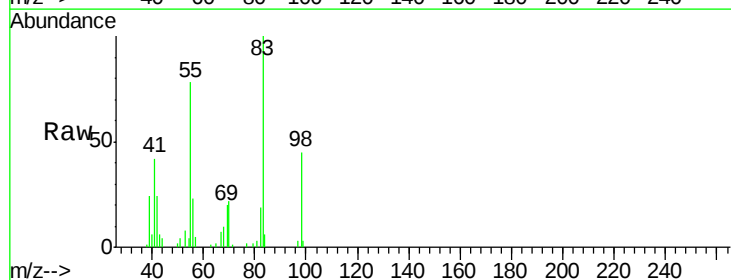
Tgt Ion: 83 Resp: 17038

Ion Ratio Lower Upper

83 100

55 75.3 65.8 98.6

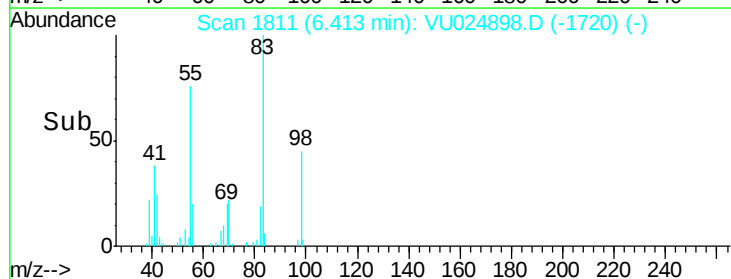
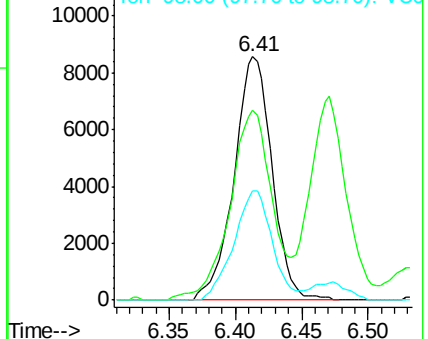
98 44.6 36.7 55.1

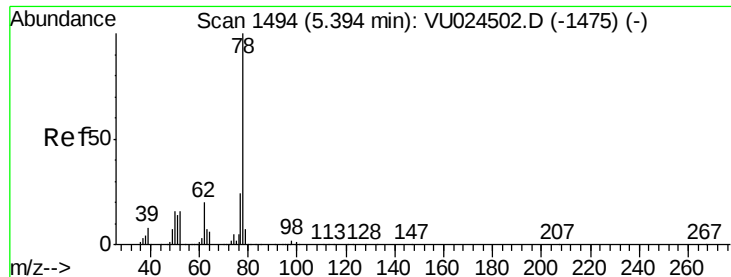


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 0.28 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

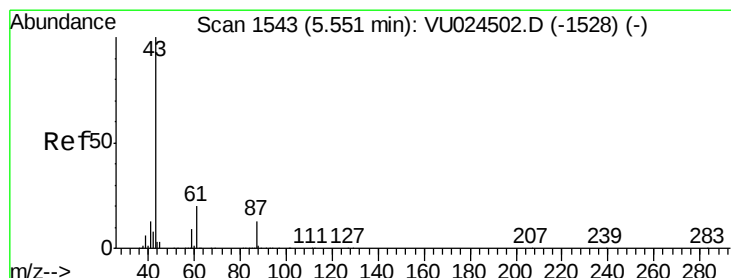
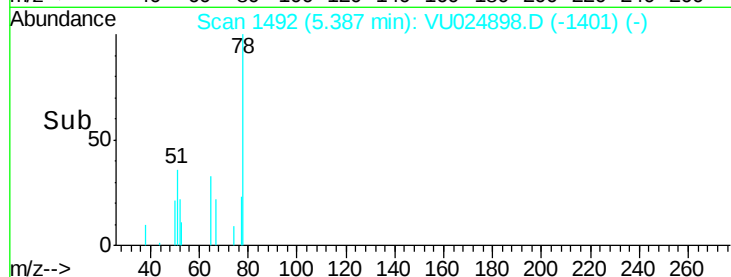
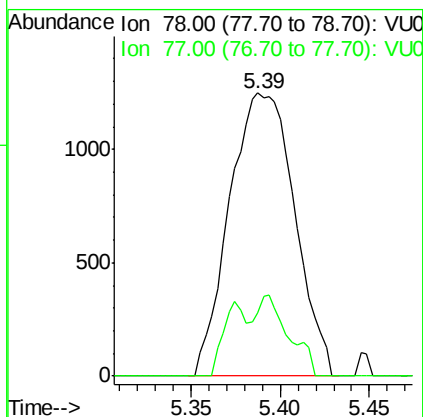
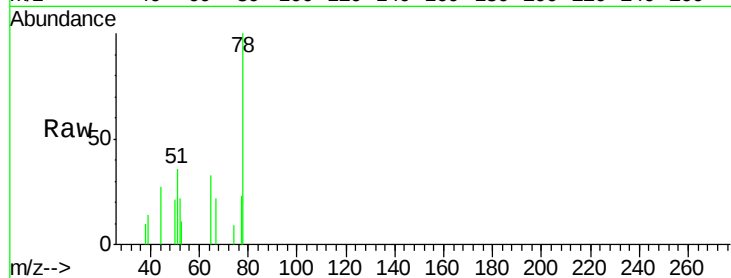
ClientSampled :

Tot Ion: 78 Resp: 3176

Ion Ratio Lower Upper

78 100

77 22.5 19.2 28.8



#43

Isopropyl Acetate

Concen: 4.29 ug/l

RT: 5.53 min Scan# 1536

Delta R.T. -0.02 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

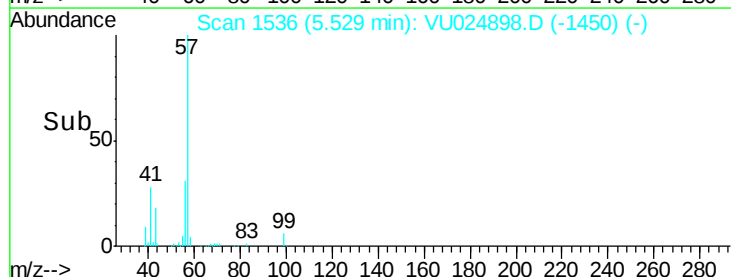
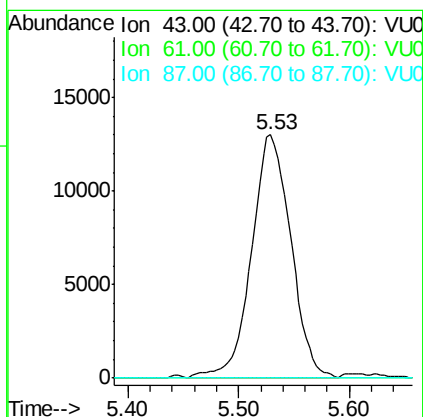
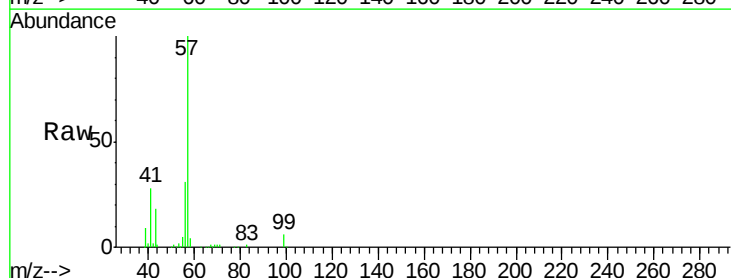
Tgt Ion: 43 Resp: 32153

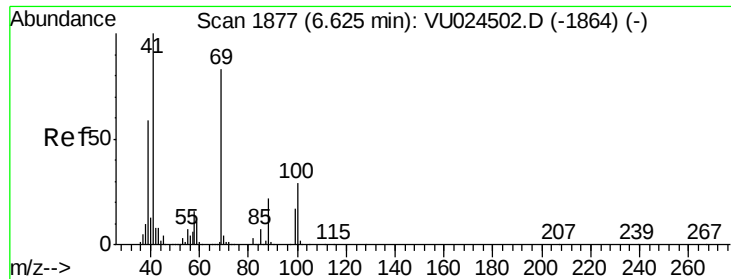
Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

87 0.0 10.0 15.0#

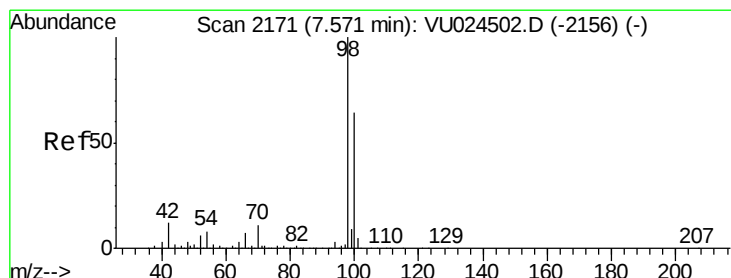
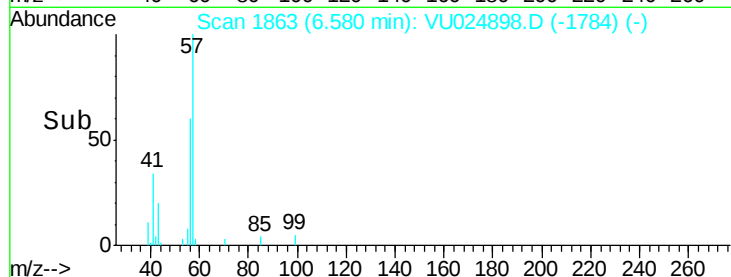
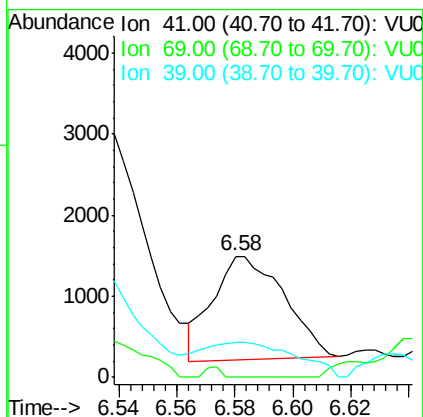
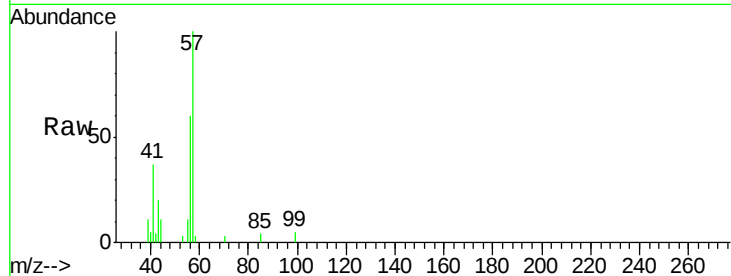




#48
Methvl methacrilate
Concen: 0.59 ug/l
RT: 6.58 min Scan# 1863
Delta R.T. -0.05 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

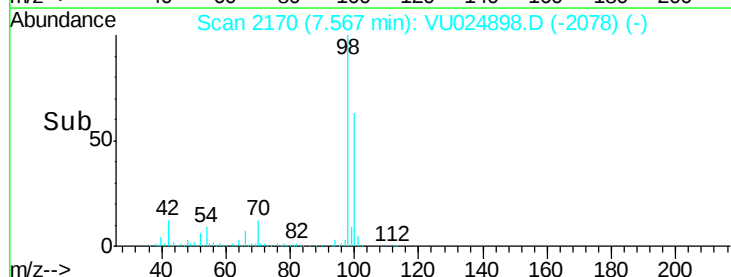
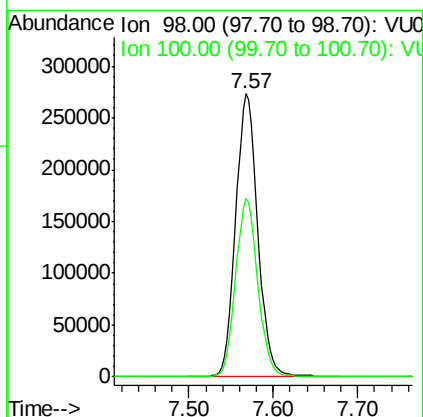
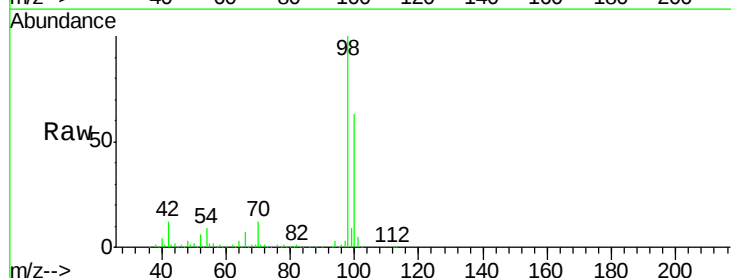
Instrument :
MSVOA_U
ClientSampleId :

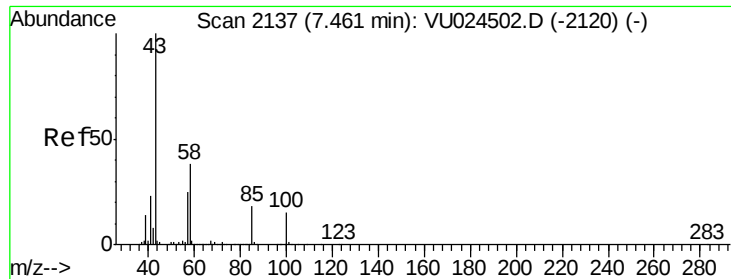
Tot Ion: 41 Resp: 2171
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 43.8 46.5 69.7#



#50
Toluene-d8
Concen: 48.86 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

Tgt Ion: 98 Resp: 501322
Ion Ratio Lower Upper
98 100
100 63.0 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 2.65 ug/l

RT: 7.52 min Scan# 2155

Delta R.T. 0.06 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

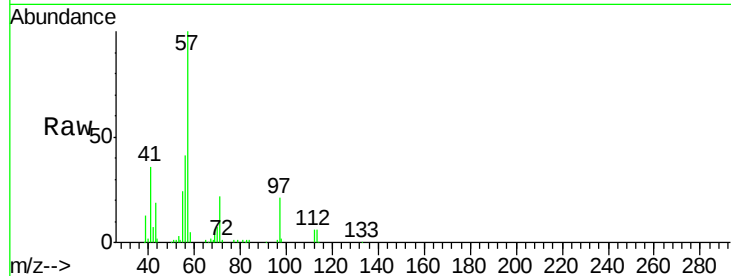
ClientSampleId :

Tot Ion: 43 Resp: 12514

Ion Ratio Lower Upper

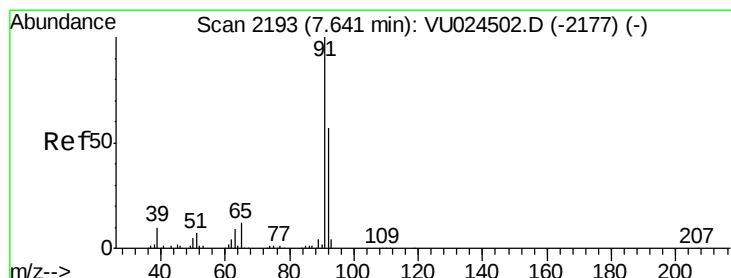
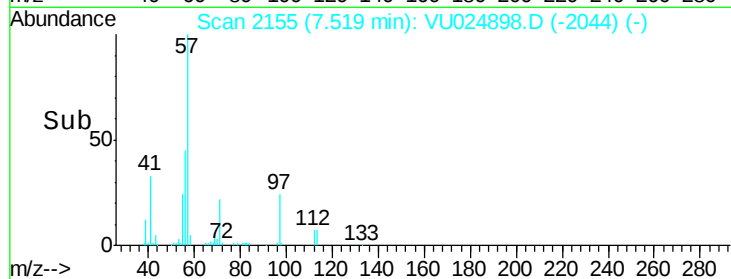
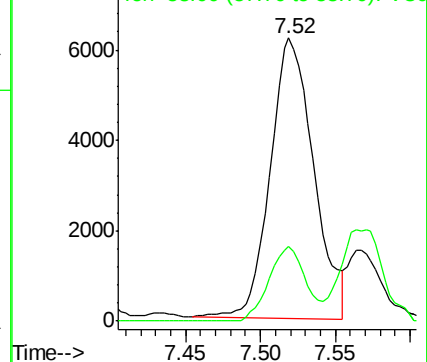
43 100

58 22.7 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 1.78 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024898.D

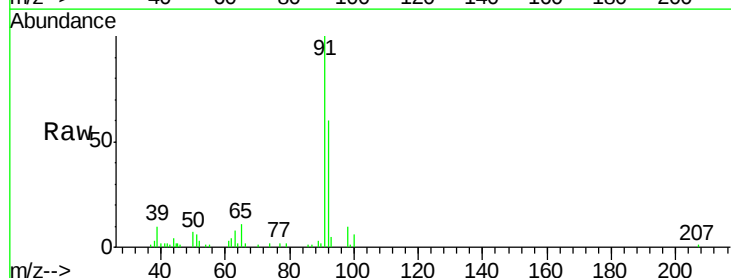
Acq: 26 Jun 2018 01:01

Tgt Ion: 92 Resp: 12975

Ion Ratio Lower Upper

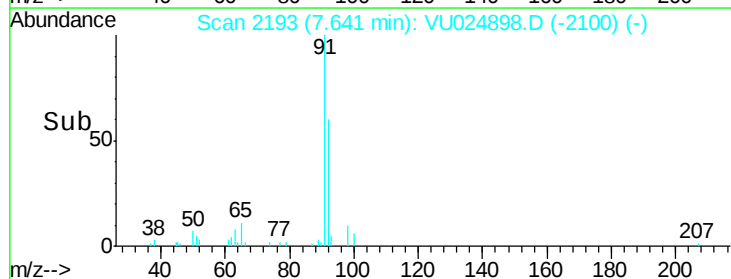
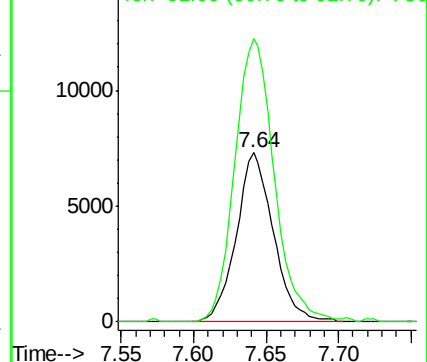
92 100

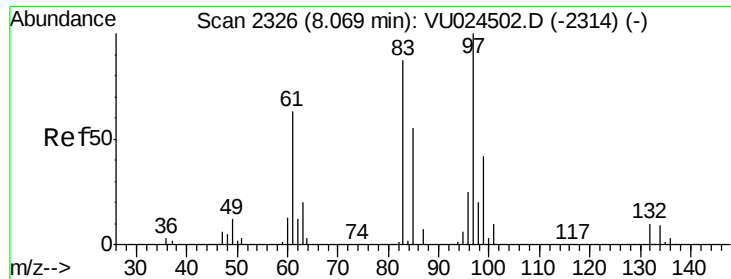
91 177.9 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

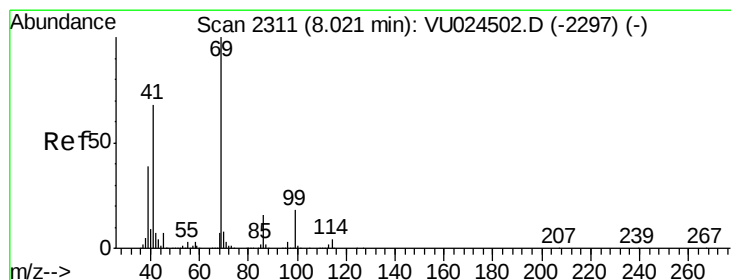
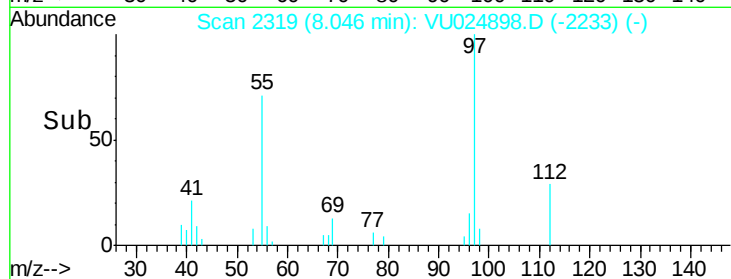
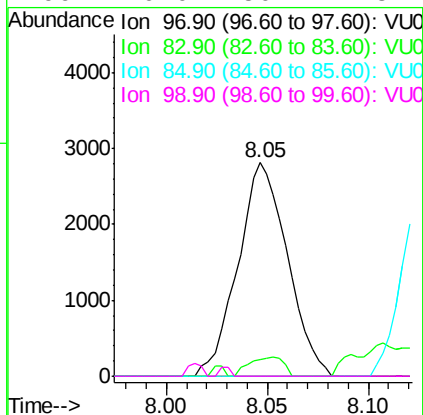
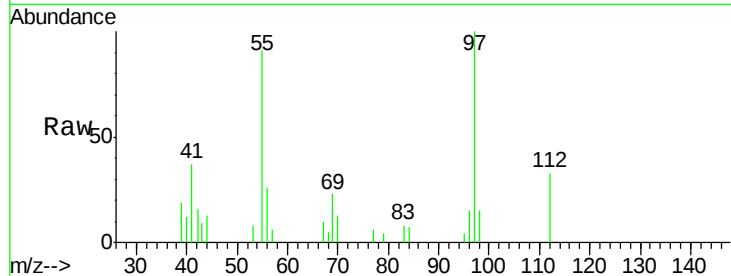




#55
 1,1,2-Trichloroethane
 Concen: 1.63 ug/l
 RT: 8.05 min Scan# 2319
 Delta R.T. -0.02 min
 Lab File: VU024898.D
 Acq: 26 Jun 2018 01:01

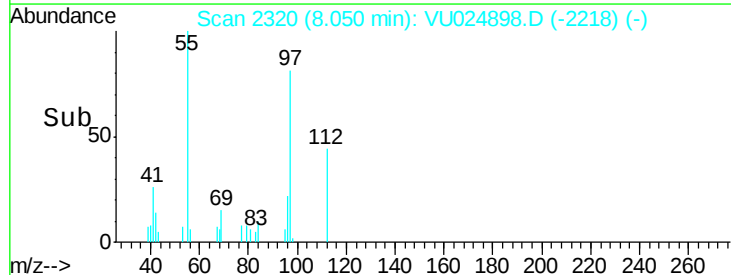
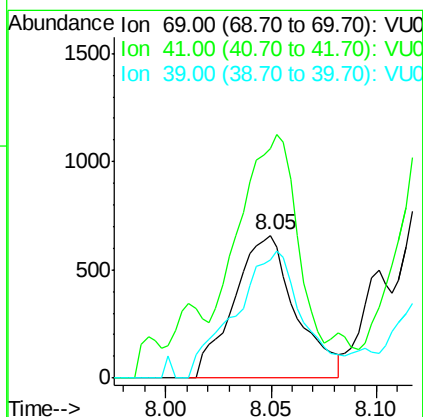
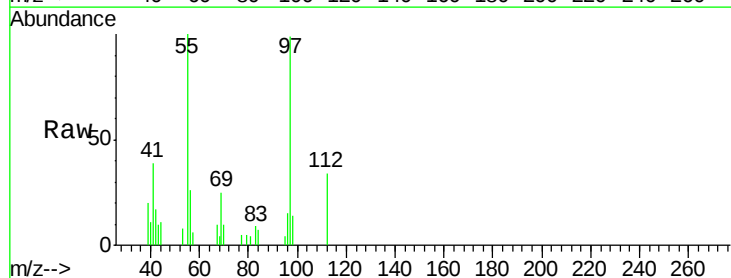
Instrument :
 MSVOA_U
 ClientSampleId :

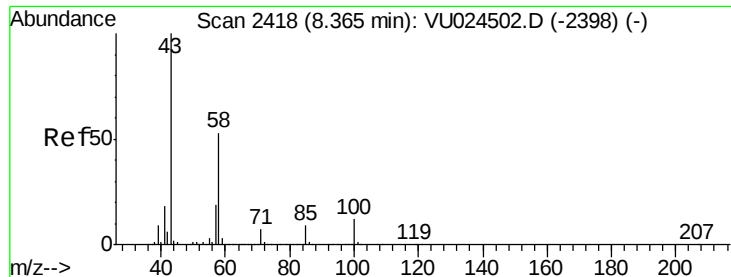
Tot Ion: 97 Resp: 4827
 Ion Ratio Lower Upper
 97 100
 83 7.6 70.5 105.7#
 85 0.0 46.4 69.6#
 99 0.0 50.2 75.2#



#56
 Ethyl methacrylate
 Concen: 0.27 ug/l
 RT: 8.05 min Scan# 2320
 Delta R.T. 0.03 min
 Lab File: VU024898.D
 Acq: 26 Jun 2018 01:01

Tgt Ion: 69 Resp: 1347
 Ion Ratio Lower Upper
 69 100
 41 128.4 54.1 81.1#
 39 98.0 30.3 45.5#

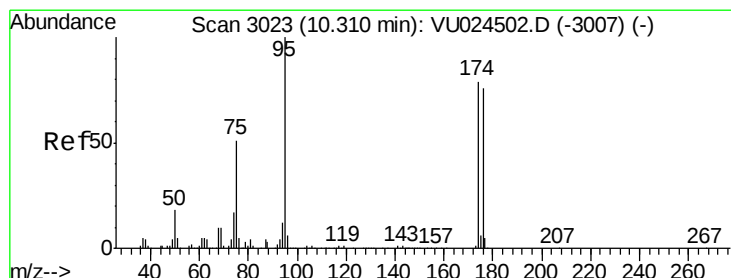
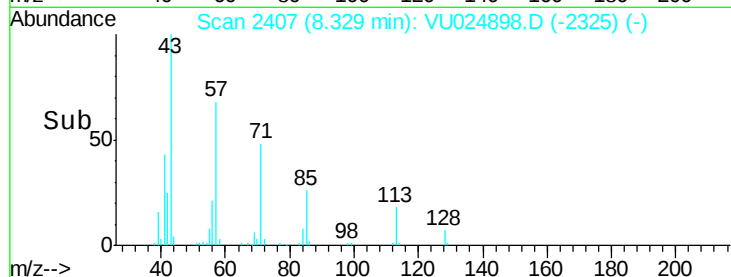
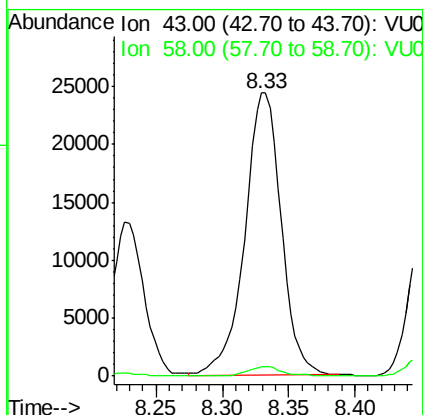
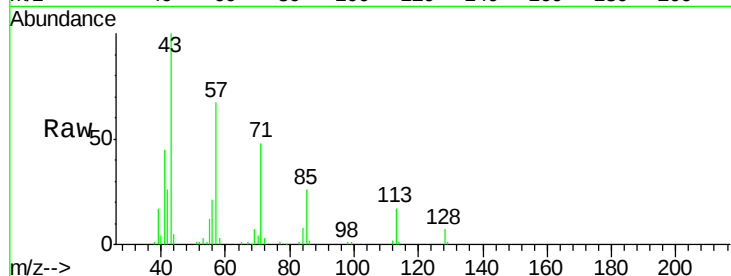




#59
2-Hexanone
Concen: 12.07 ug/l
RT: 8.33 min Scan# 2407
Delta R.T. -0.04 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

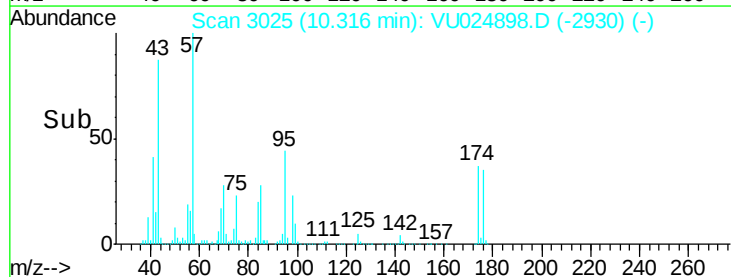
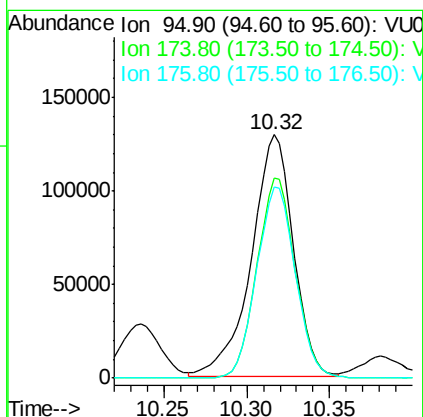
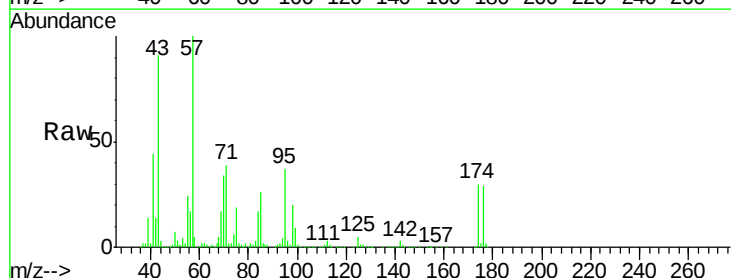
Instrument :
MSVOA_U
ClientSampled :

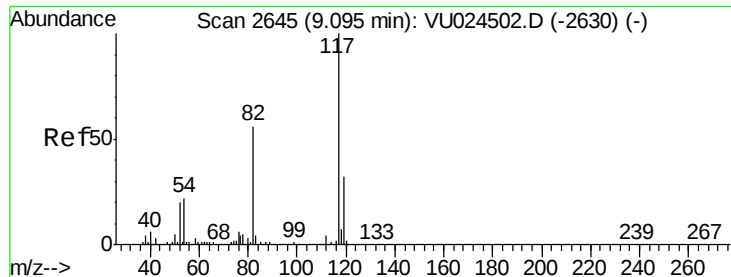
Tot Ion: 43 Resp: 46444
Ion Ratio Lower Upper
43 100
58 3.2 26.4 79.0#



#62
4-Bromofluorobenzene
Concen: 56.23 ug/l
RT: 10.32 min Scan# 3025
Delta R.T. 0.01 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

Tgt Ion: 95 Resp: 229086
Ion Ratio Lower Upper
95 100
174 75.6 0.0 165.8
176 73.1 0.0 159.4

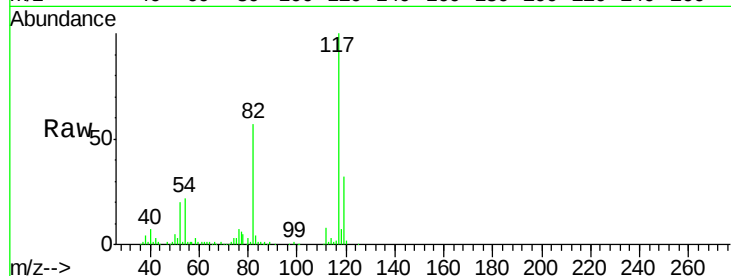




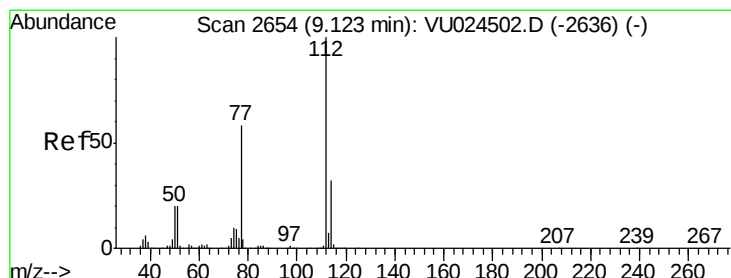
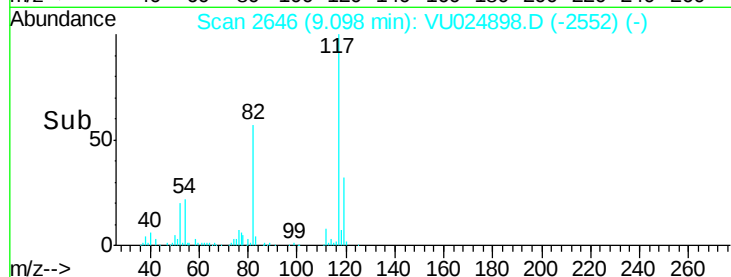
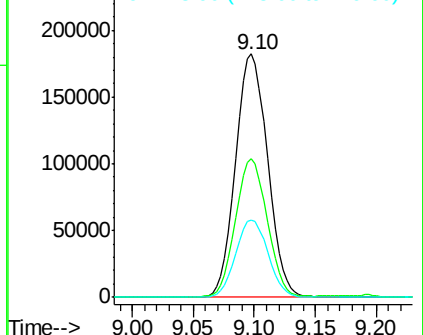
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.10 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.3	66.5
119	32.0	25.4	38.2

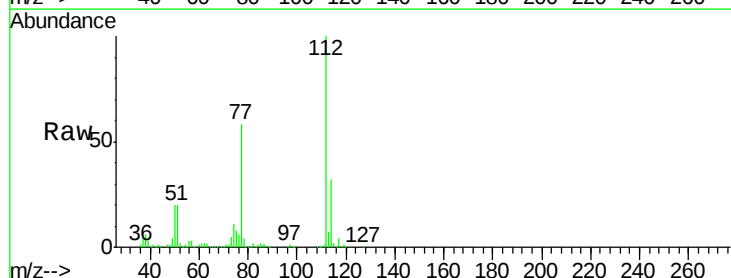


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

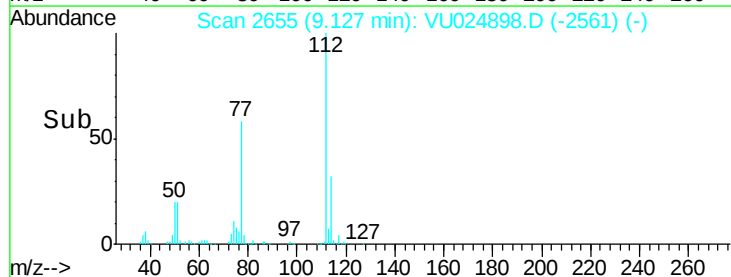
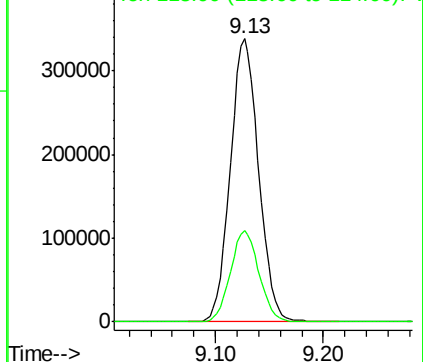


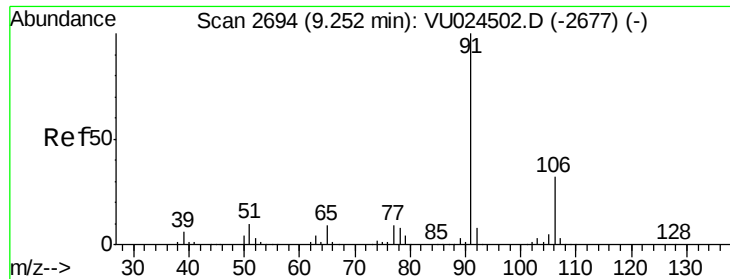
#65
Chlorobenzene
Concen: 72.87 ug/l
RT: 9.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4



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

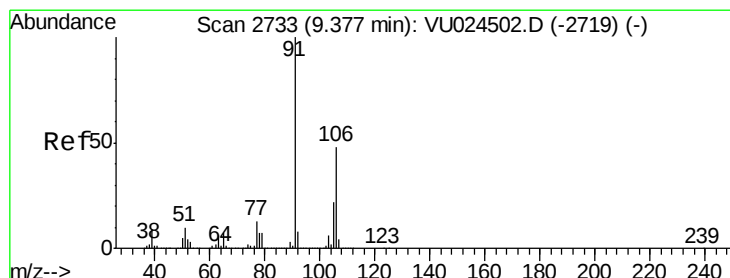
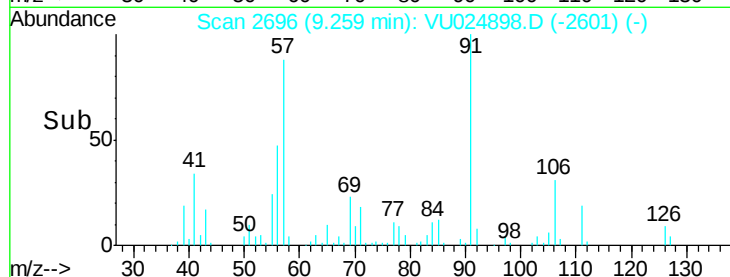
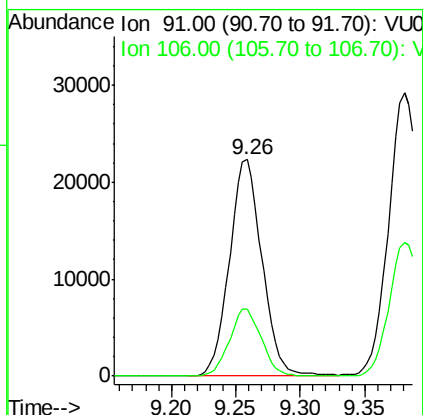
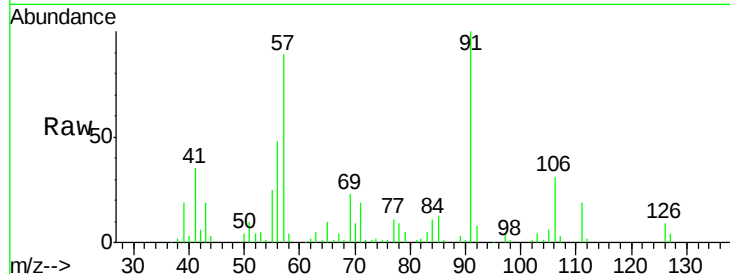




#67
Ethyl Benzene
Concen: 2.64 ug/l
RT: 9.26 min Scan# 2696
Delta R.T. 0.01 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

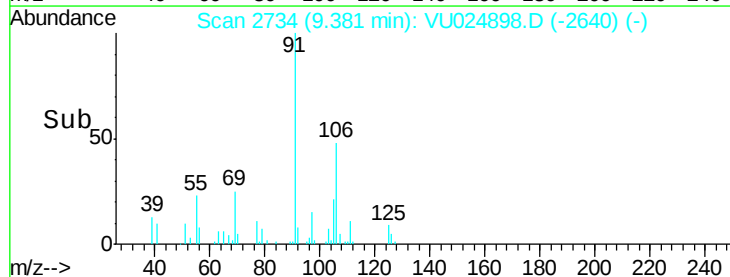
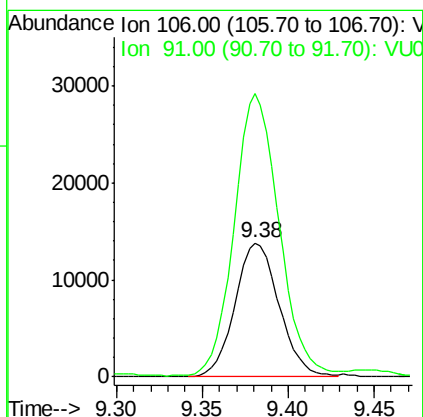
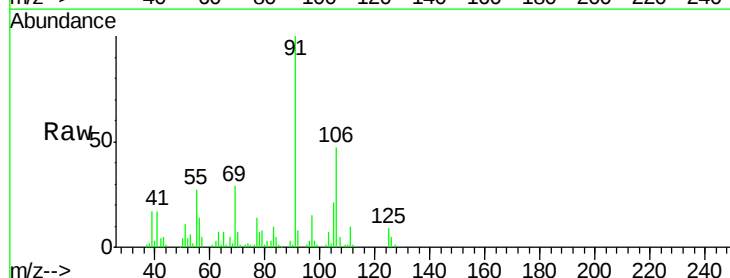
Instrument :
MSVOA_U
ClientSampled :

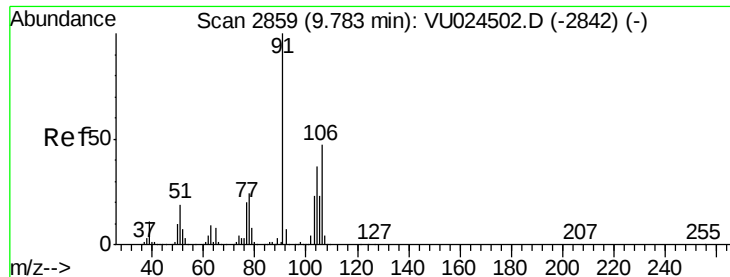
Tot Ion: 91 Resp: 39300
Ion Ratio Lower Upper
91 100
106 30.9 24.2 36.4



#68
m/p-Xylenes
Concen: 4.30 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

Tgt Ion: 106 Resp: 24620
Ion Ratio Lower Upper
106 100
91 213.9 166.5 249.7

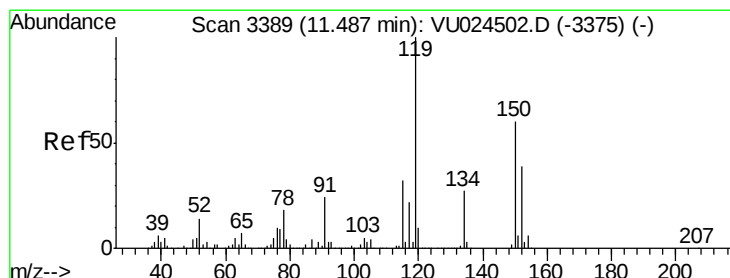
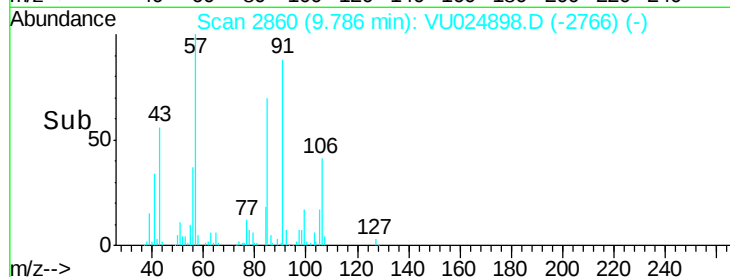
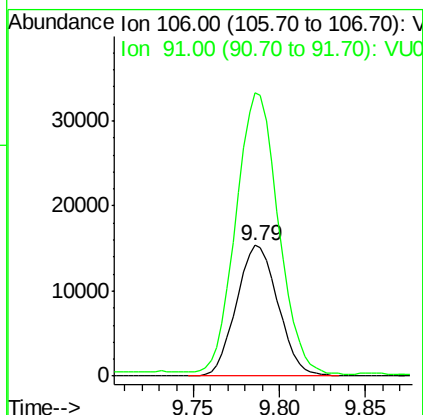
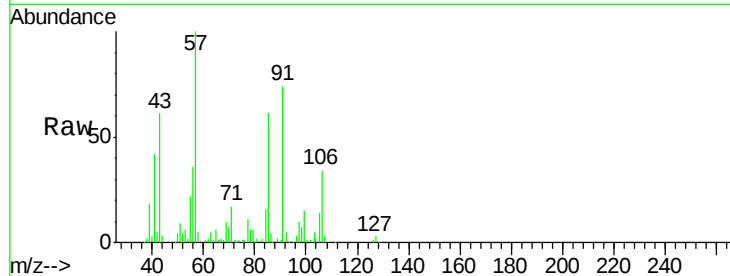




#69
o-Xylene
Concen: 4.57 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

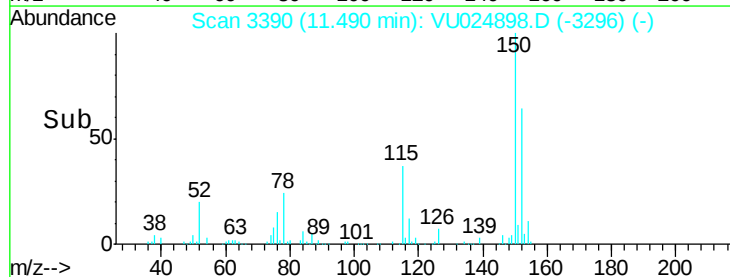
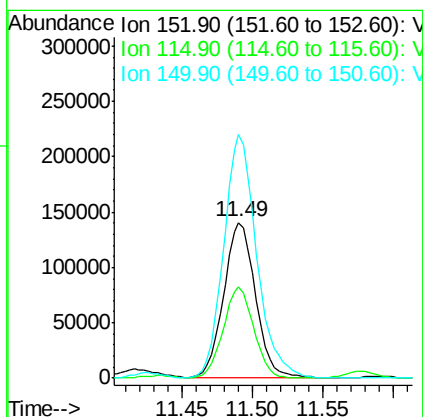
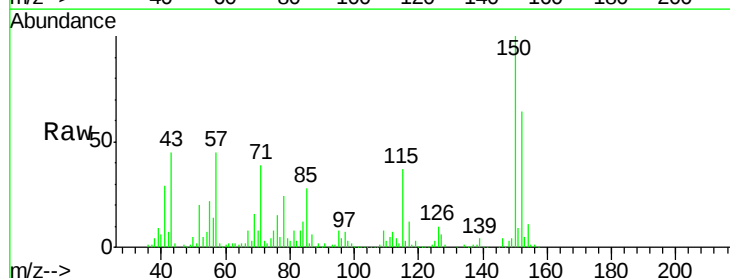
Instrument :
MSVOA_U
ClientSampleId :

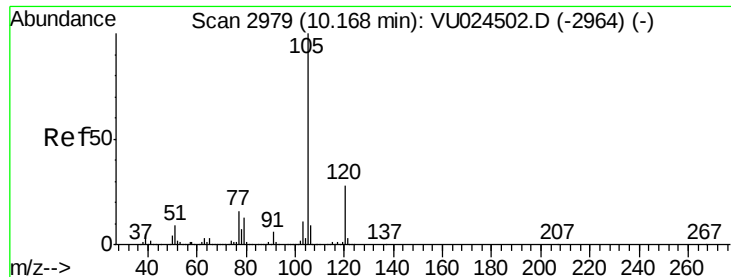
Tot Ion:106 Resp: 25859
Ion Ratio Lower Upper
106 100
91 218.6 110.7 331.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

Tgt Ion:152 Resp: 220959
Ion Ratio Lower Upper
152 100
115 55.5 43.0 129.0
150 162.1 0.0 354.0





#73

Isopropylbenzene

Concen: 1.26 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

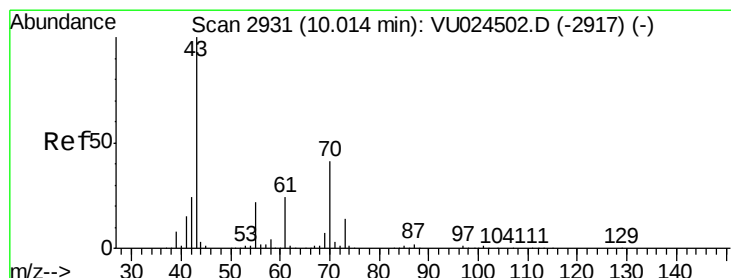
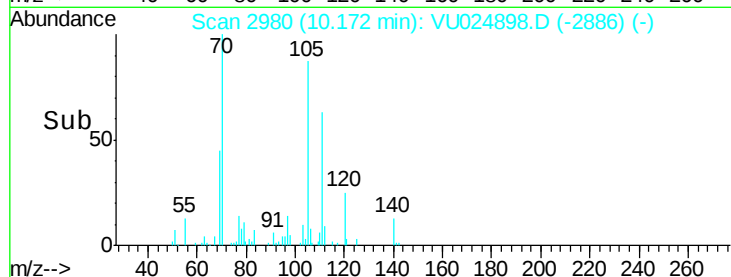
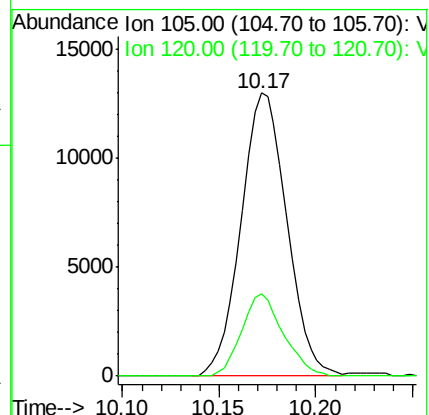
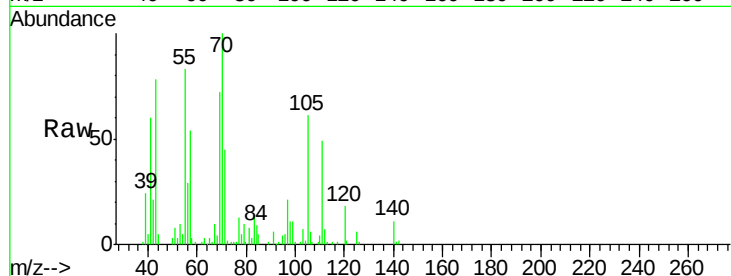
ClientSampleId :

Tot Ion:105 Resp: 21404

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#74

N-ethyl acetate

Concen: 11.71 ug/l

RT: 10.01 min Scan# 2930

Delta R.T. -0.00 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Tgt Ion: 43 Resp: 94502

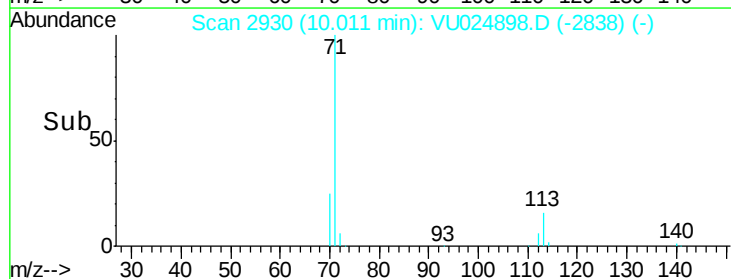
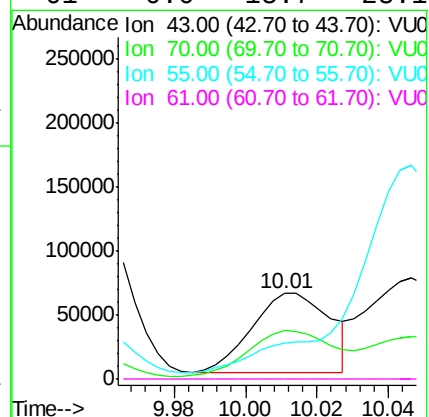
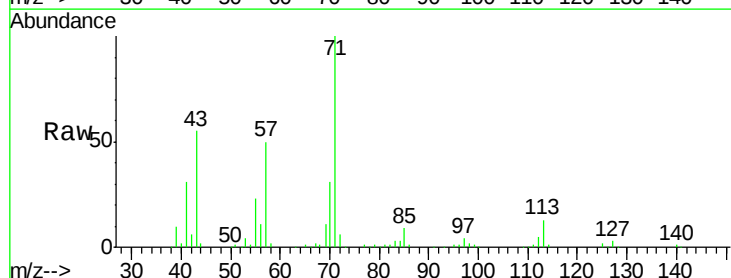
Ion Ratio Lower Upper

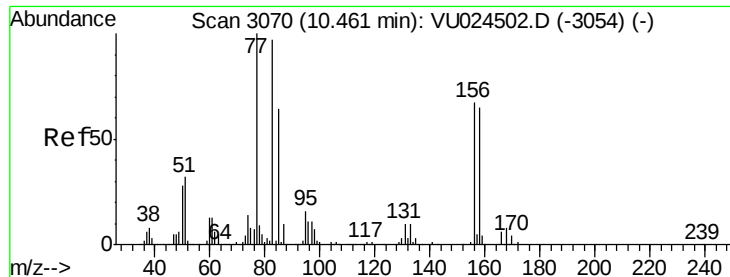
43 100

70 63.3 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: 9.67 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

ClientSampled :

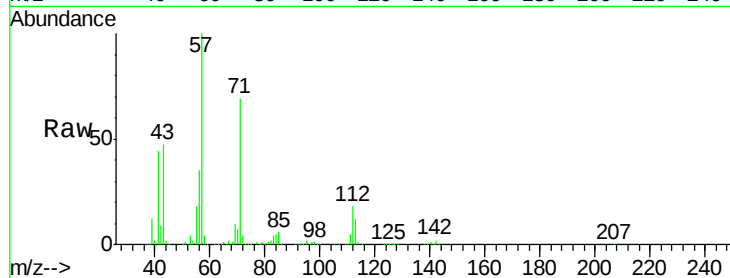
Tot Ion: 83 Resp: 54961

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

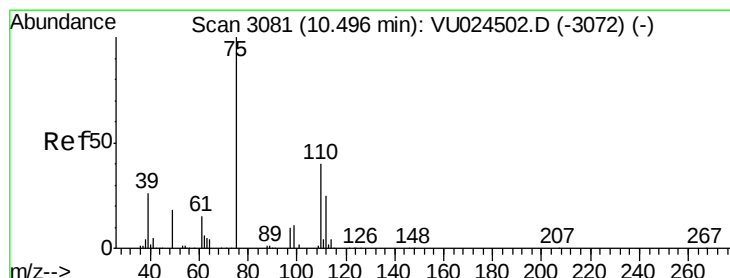
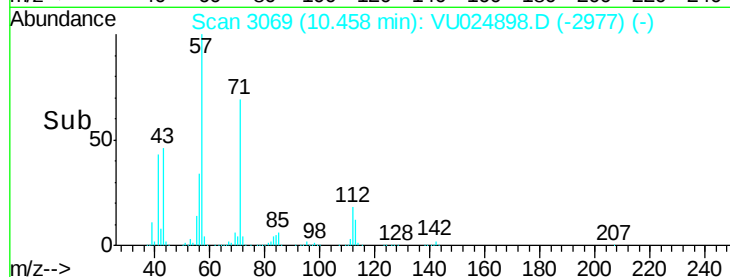
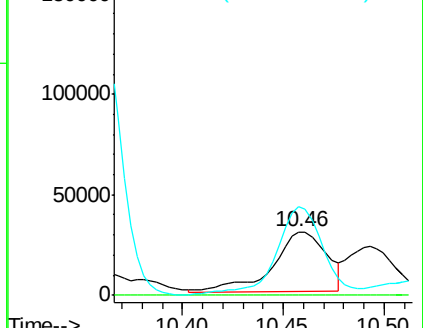
85 126.0 32.5 97.5#



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 21.86 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.18 min

Lab File: VU024898.D

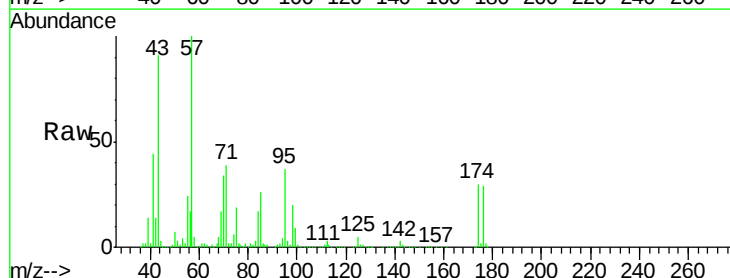
Acq: 26 Jun 2018 01:01

Tgt Ion: 75 Resp: 106348

Ion Ratio Lower Upper

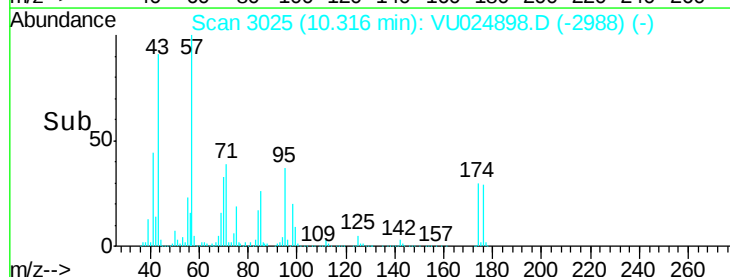
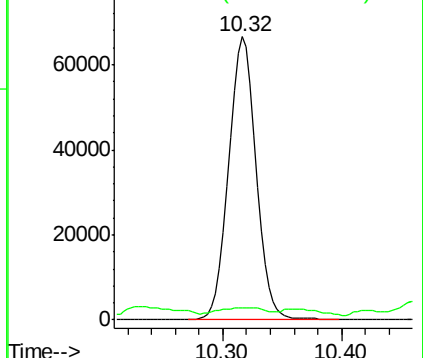
75 100

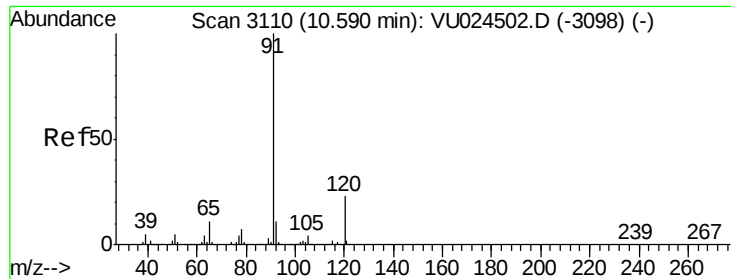
77 2.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 1.94 ug/l

RT: 10.60 min Scan# 3112

Delta R.T. 0.01 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

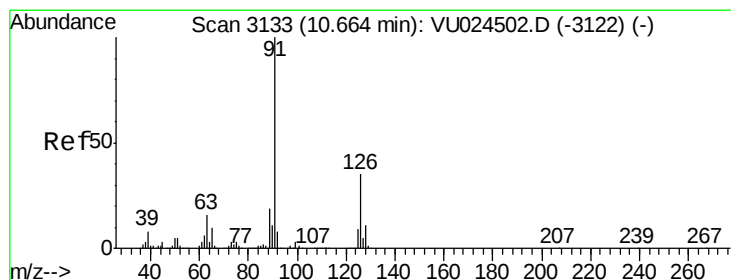
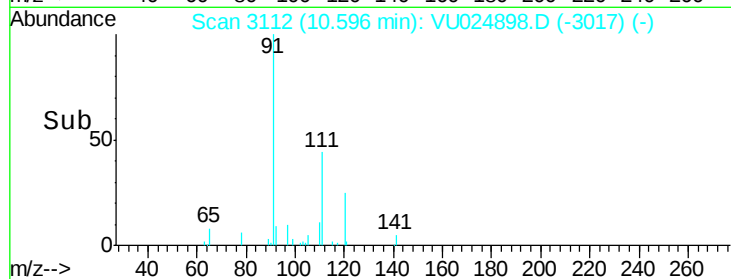
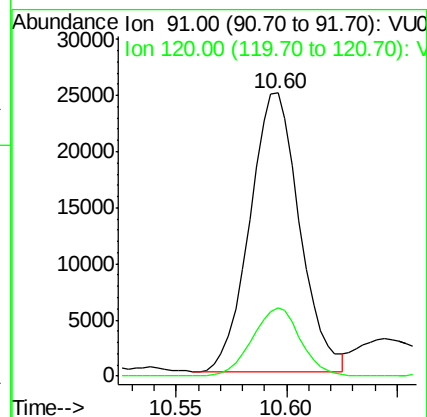
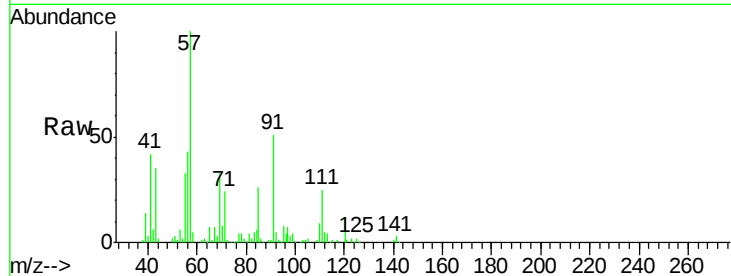
ClientSampled :

Tot Ion: 91 Resp: 38860

Ion Ratio Lower Upper

91 100

120 23.7 11.2 33.5



#79

2-Chlorotoluene

Concen: 0.43 ug/l

RT: 10.64 min Scan# 3127

Delta R.T. -0.02 min

Lab File: VU024898.D

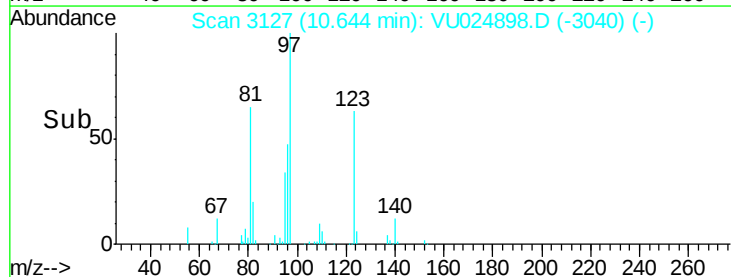
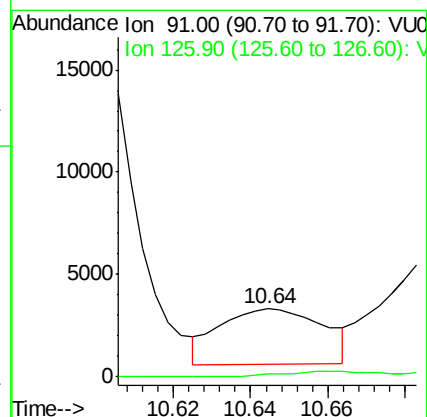
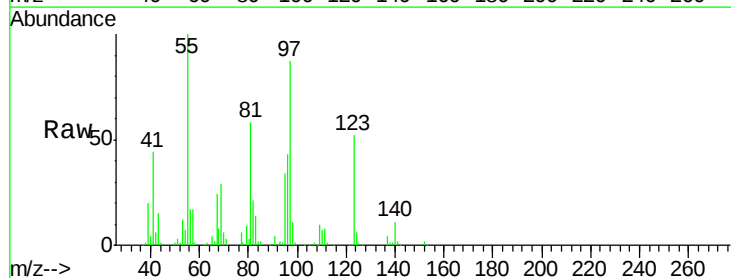
Acq: 26 Jun 2018 01:01

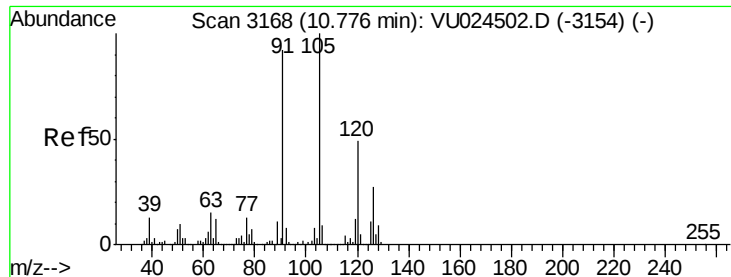
Tgt Ion: 91 Resp: 5088

Ion Ratio Lower Upper

91 100

126 8.7 16.9 50.7#





#80

1,3,5-Trimethylbenzene

Concen: 4.75 ug/l

RT: 10.78 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

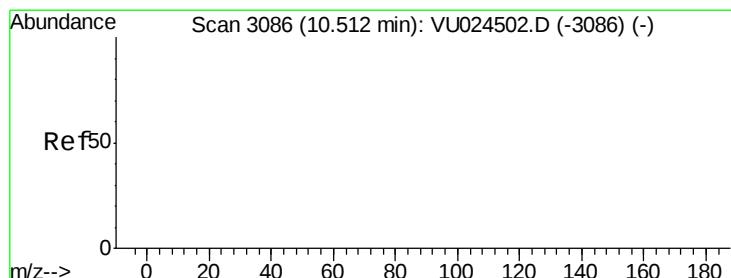
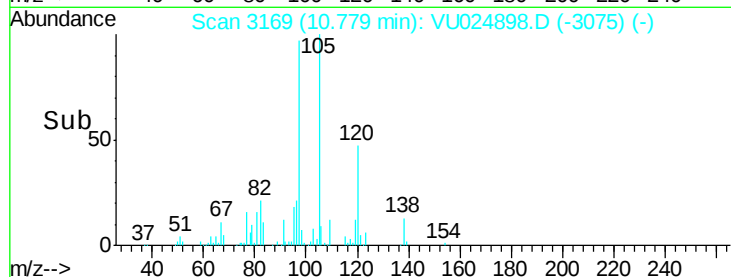
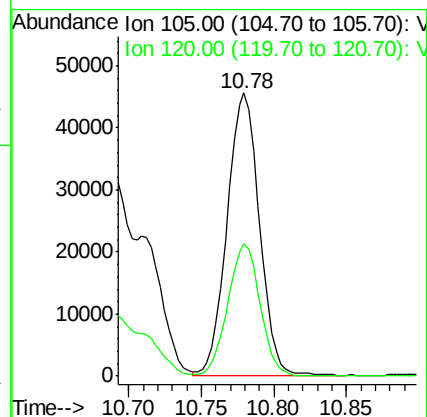
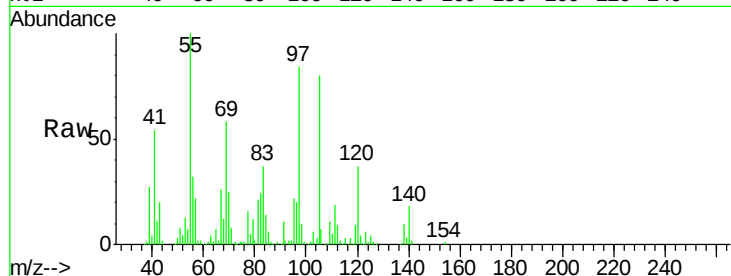
ClientSampled :

Tot Ion:105 Resp: 69787

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.2



#81

trans-1,4-Dichloro-2-butene

Concen: 50.60 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.20 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

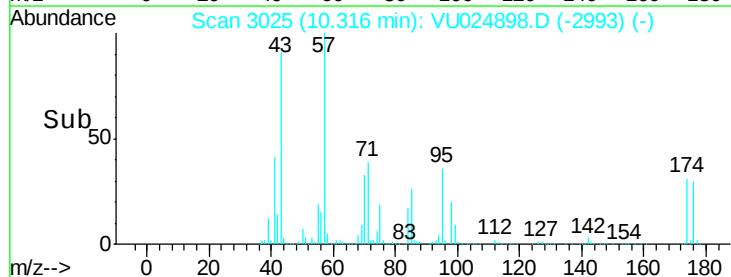
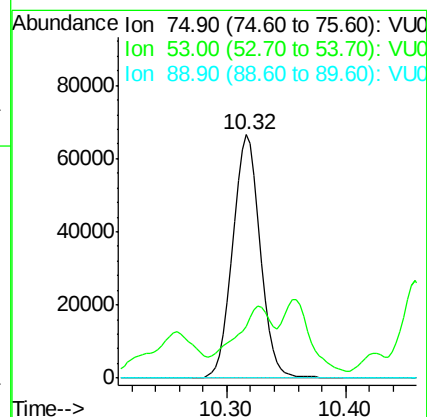
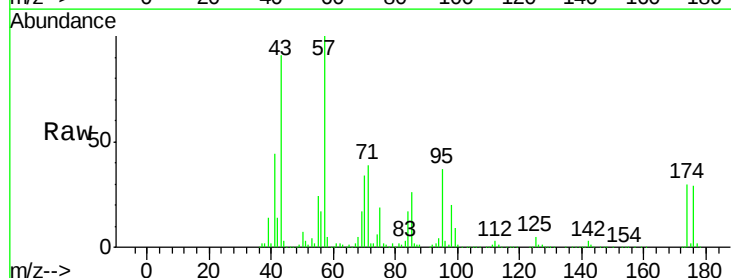
Tgt Ion: 75 Resp: 106348

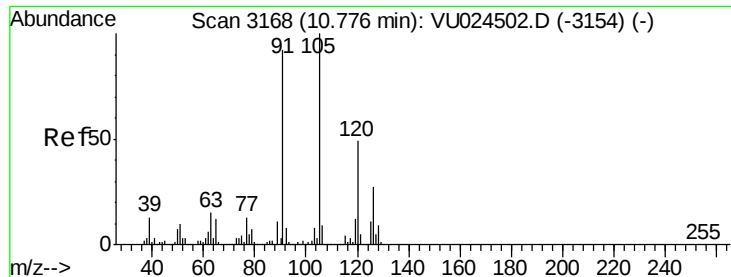
Ion Ratio Lower Upper

75 100

53 23.9 0.0 0.0#

89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 0.81 ug/l

RT: 10.78 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

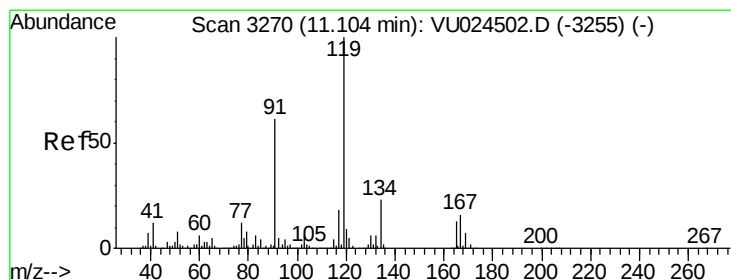
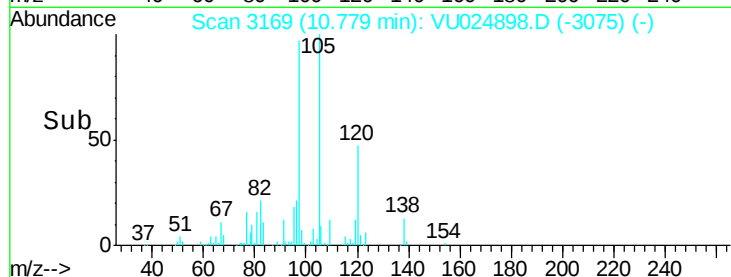
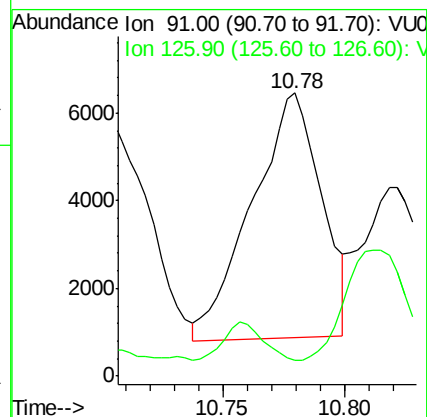
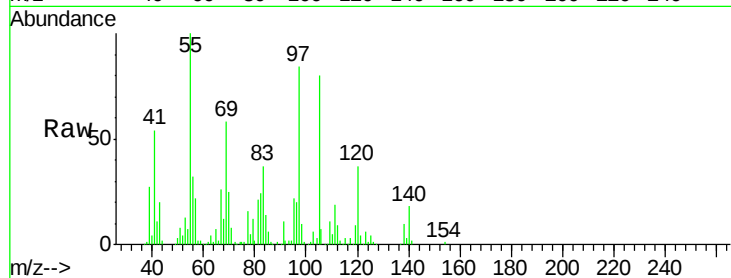
ClientSampleId :

Tot Ion: 91 Resp: 11095

Ion Ratio Lower Upper

91 100

126 0.0 14.9 44.9#



#83

tert-Butylbenzene

Concen: 1.36 ug/l

RT: 11.11 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

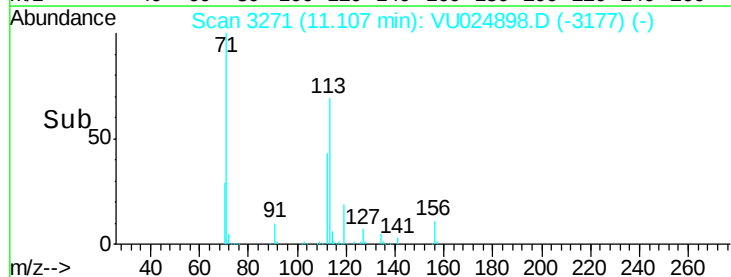
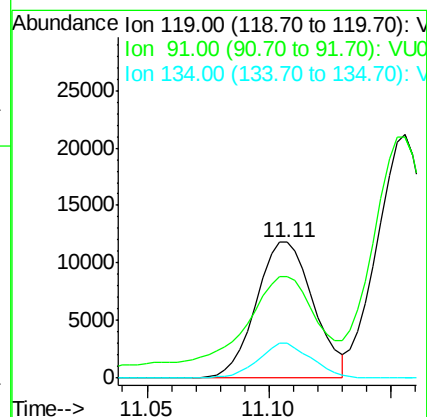
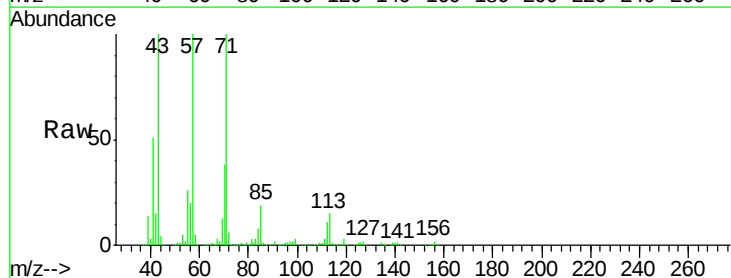
Tgt Ion: 119 Resp: 19185

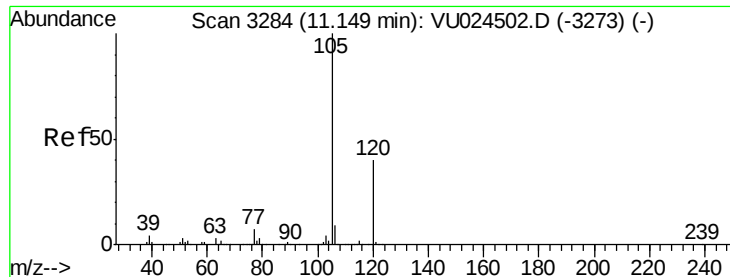
Ion Ratio Lower Upper

119 100

91 72.2 29.7 89.1

134 23.6 11.6 34.7

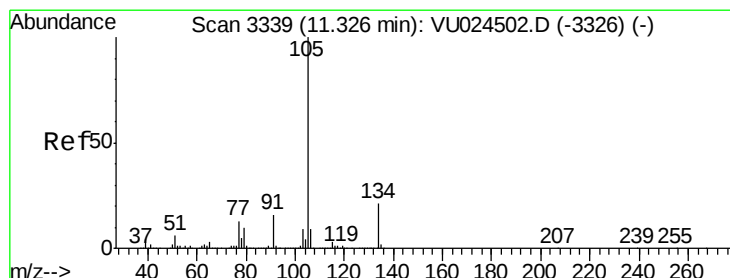
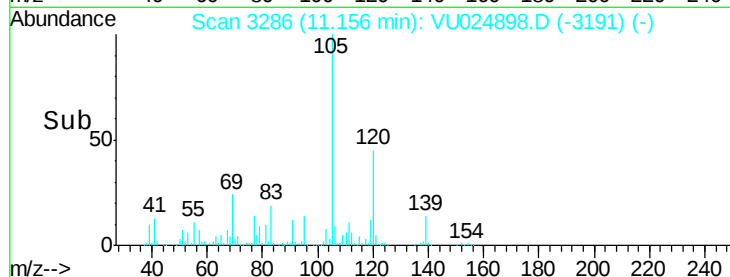
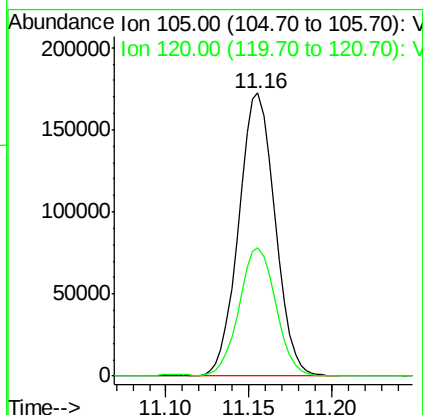
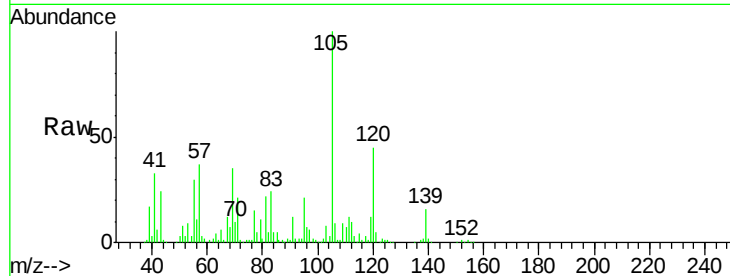




#84
 1,2,4-Trimethylbenzene
 Concen: 17.48 ug/l
 RT: 11.16 min Scan# 3286
 Delta R.T. 0.01 min
 Lab File: VU024898.D
 Acq: 26 Jun 2018 01:01

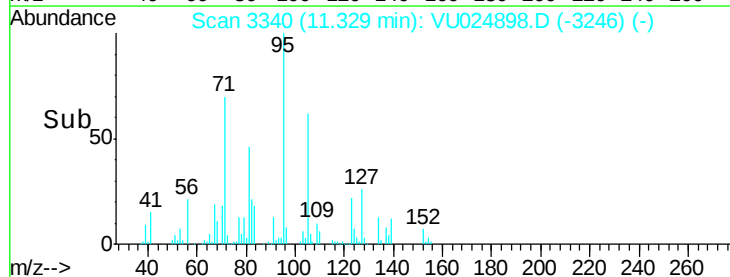
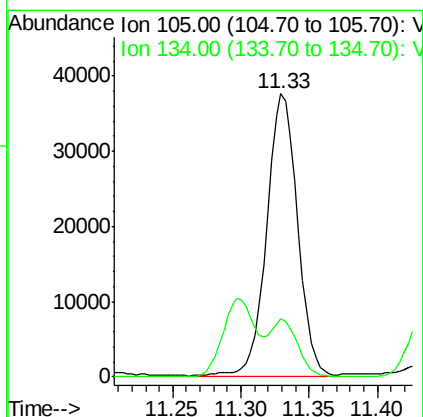
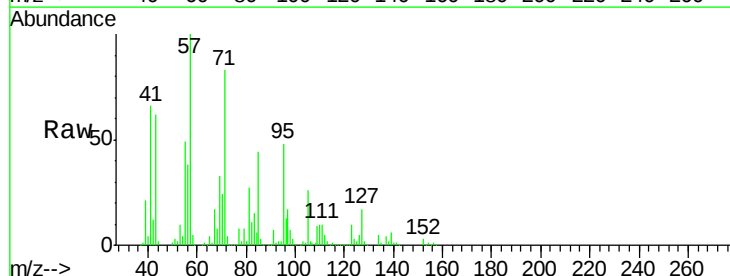
Instrument :
 MSVOA_U
 ClientSampleId :

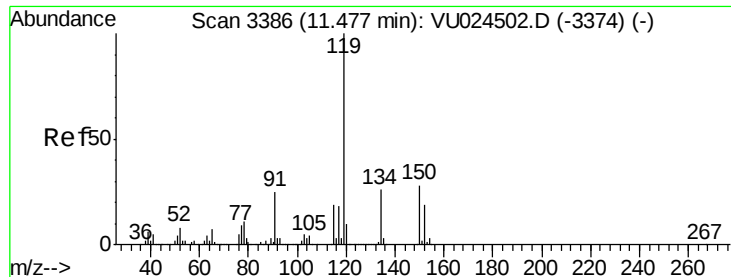
Tot Ion:105 Resp: 261960
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 3.32 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU024898.D
 Acq: 26 Jun 2018 01:01

Tgt Ion:105 Resp: 58702
 Ion Ratio Lower Upper
 105 100
 134 16.7 9.7 29.1





#86

p-Isopropyltoluene

Concen: 0.95 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

ClientSampleId :

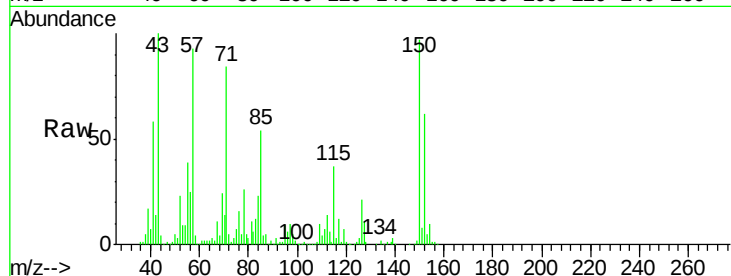
Tot Ion:119 Resp: 15031

Ion Ratio Lower Upper

119 100

134 28.2 12.9 38.6

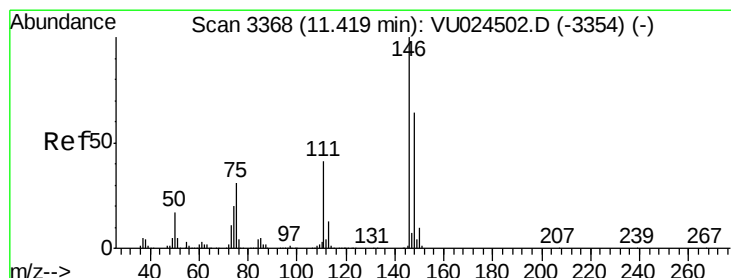
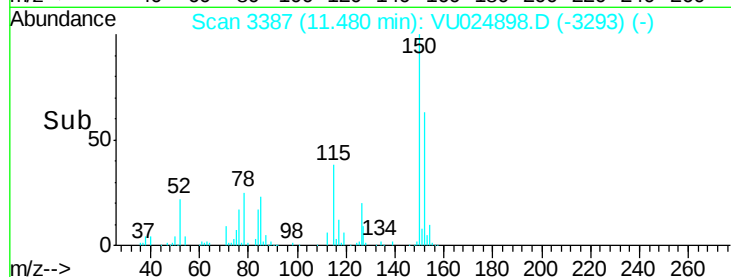
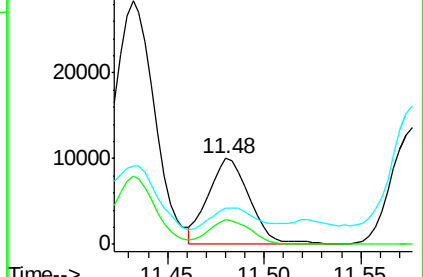
91 26.2 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



#87

1,3-Dichlorobenzene

Concen: 30.37 ug/l

RT: 11.52 min Scan# 3398

Delta R.T. 0.10 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

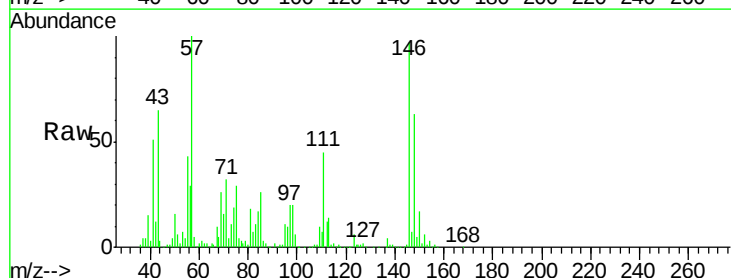
Tgt Ion:146 Resp: 241002

Ion Ratio Lower Upper

146 100

111 46.3 20.0 60.0

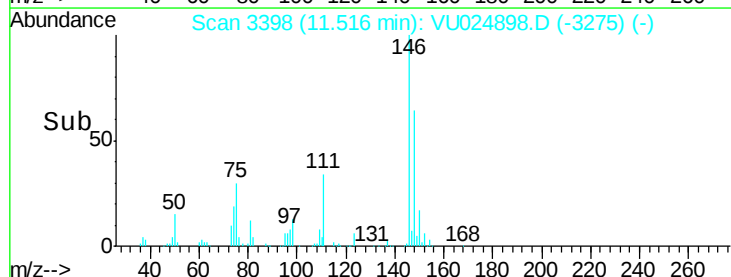
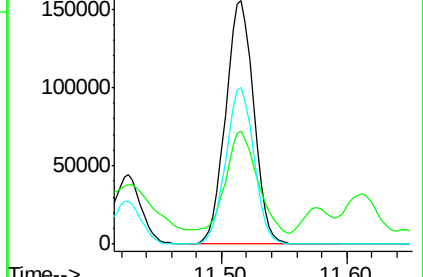
148 64.6 32.1 96.5

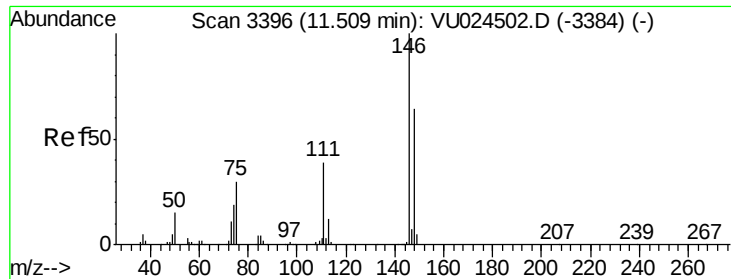


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

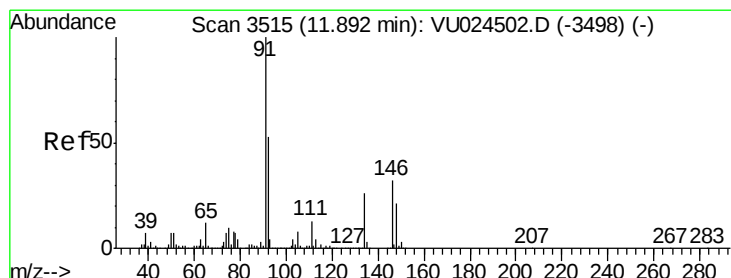
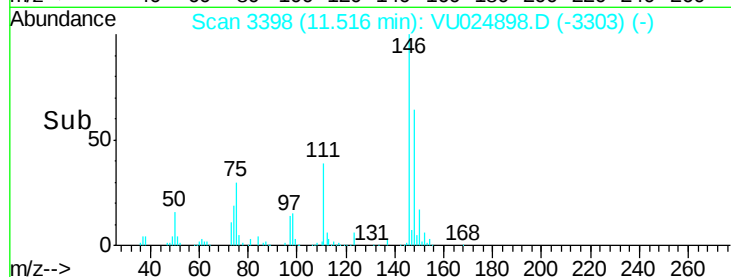
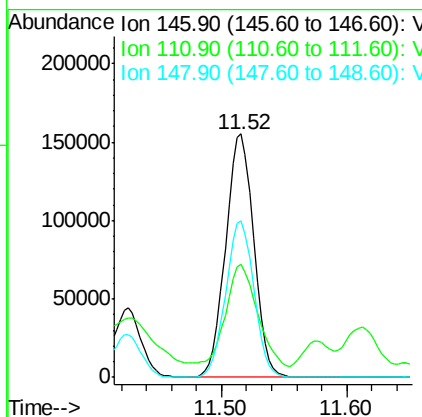
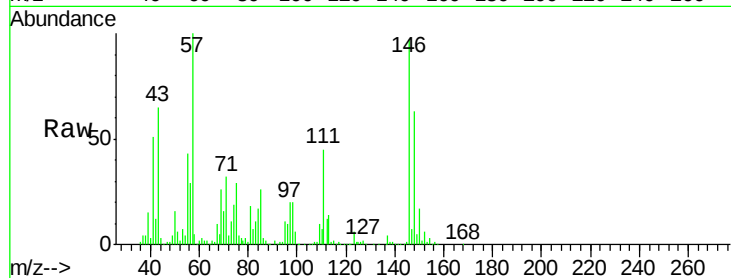




#88
 1,4-Dichlorobenzene
 Concen: 30.18 ug/l
 RT: 11.52 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VU024898.D
 Acq: 26 Jun 2018 01:01

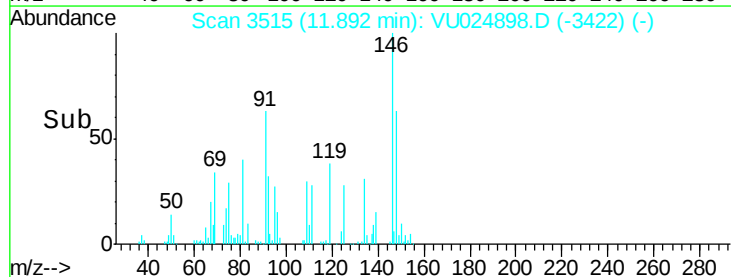
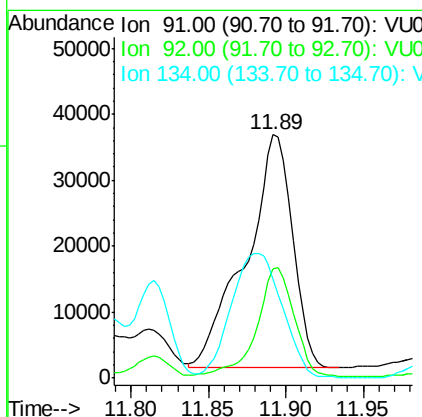
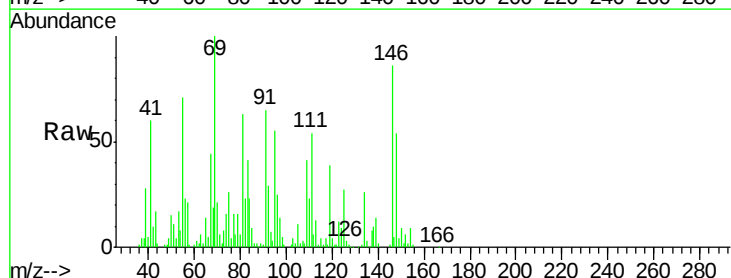
Instrument :
 MSVOA_U
 ClientSampleId :

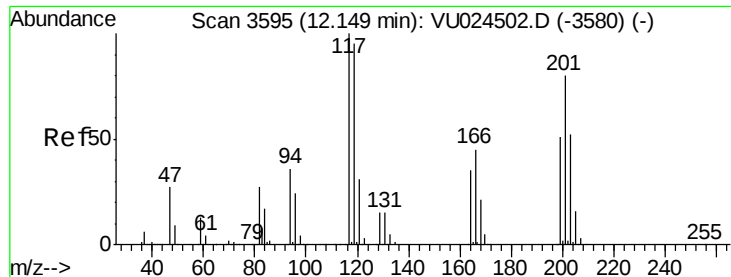
Tot Ion:146 Resp: 241002
 Ion Ratio Lower Upper
 146 100
 111 46.3 19.5 58.5
 148 64.6 32.4 97.0



#89
 n-Butylbenzene
 Concen: 5.31 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU024898.D
 Acq: 26 Jun 2018 01:01

Tgt Ion: 91 Resp: 74722
 Ion Ratio Lower Upper
 91 100
 92 37.7 25.6 76.8
 134 58.0 12.3 36.8#





#90

Hexachloroethane

Concen: 1.82 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

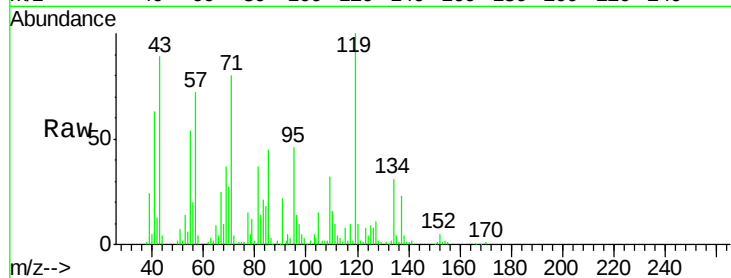
ClientSampled :

Tot Ion:117 Resp: 5637

Ion Ratio Lower Upper

117 100

201 0.0 41.1 123.3#

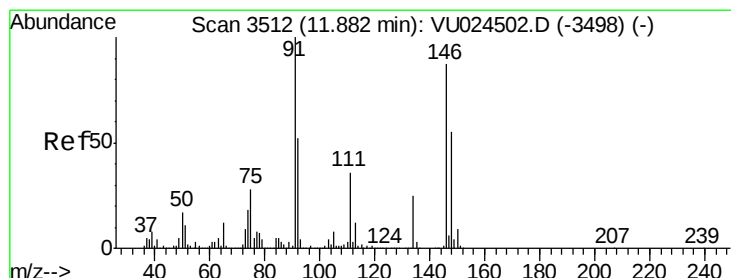
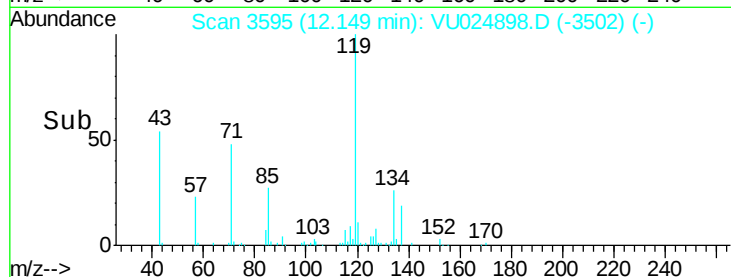


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.15

Time--> 12.10 12.15



#91

1,2-Dichlorobenzene

Concen: 11.20 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

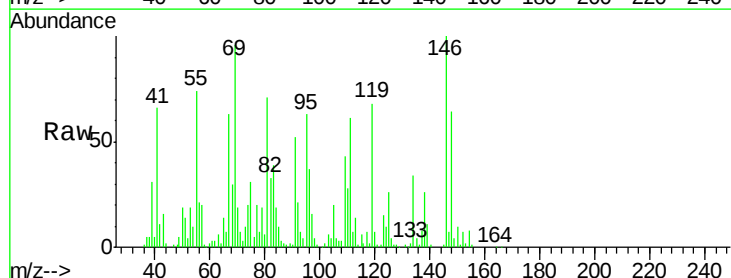
Tgt Ion:146 Resp: 89007

Ion Ratio Lower Upper

146 100

111 56.4 20.5 61.6

148 64.4 31.9 95.7



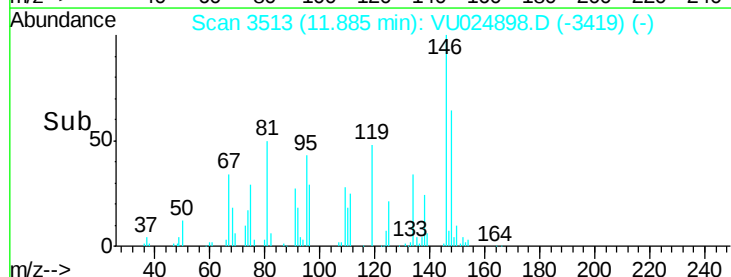
Abundance Ion 145.90 (145.60 to 146.60): V

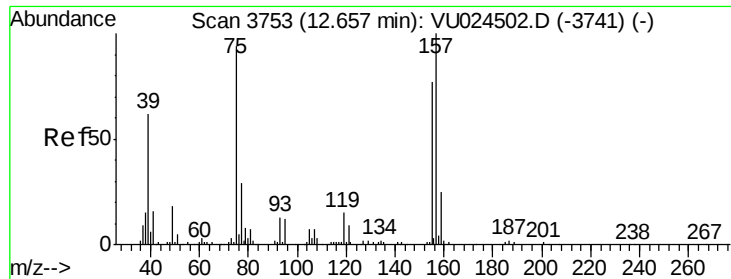
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

11.89

Time--> 11.80 11.85 11.90 11.95





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.25 ug/l

RT: 12.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

Instrument :

MSVOA_U

ClientSampleId :

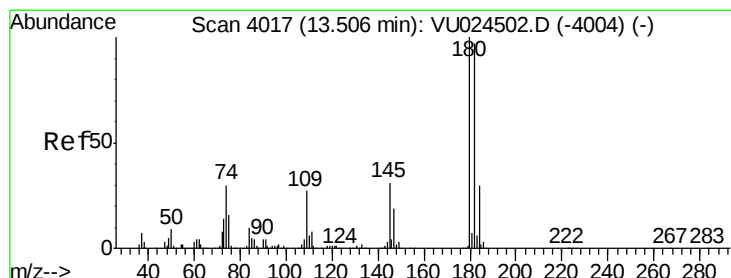
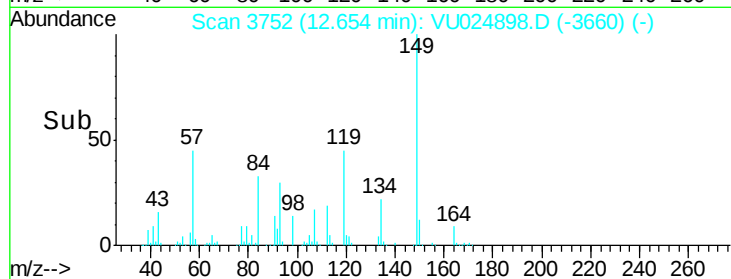
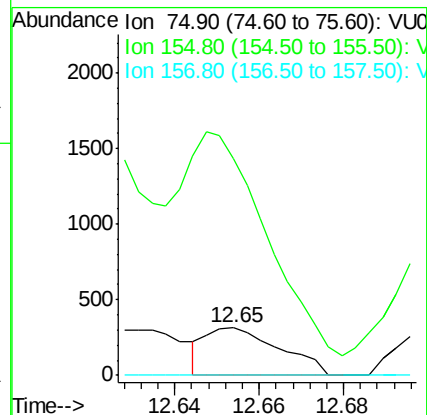
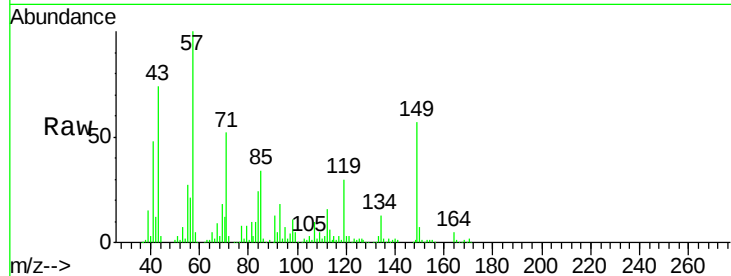
Tot Ion: 75 Resp: 385

Ion Ratio Lower Upper

75 100

155 610.4 40.4 121.2#

157 0.0 52.3 156.8#



#93

1,2,4-Trichlorobenzene

Concen: 0.37 ug/l

RT: 13.51 min Scan# 4018

Delta R.T. 0.00 min

Lab File: VU024898.D

Acq: 26 Jun 2018 01:01

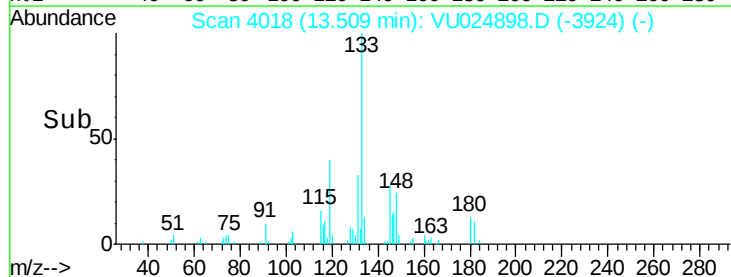
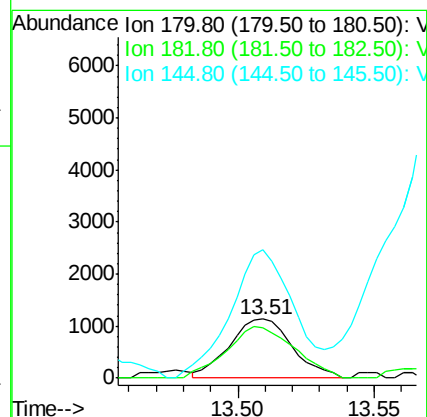
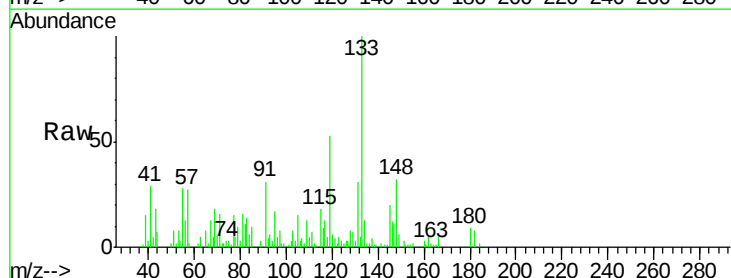
Tgt Ion: 180 Resp: 1811

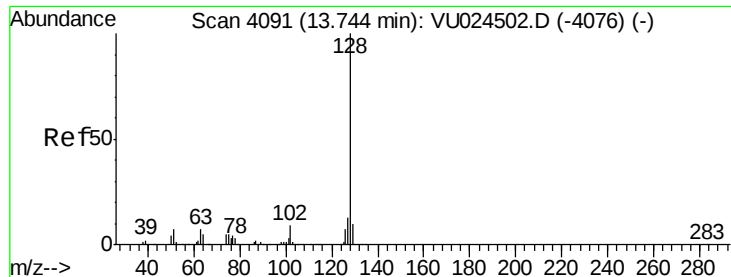
Ion Ratio Lower Upper

180 100

182 94.7 48.0 144.2

145 219.5 14.7 44.1#

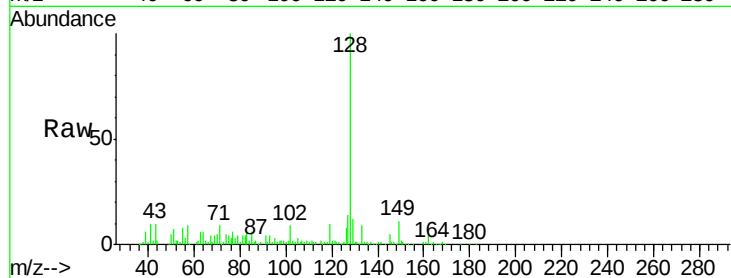




#95
Naphthalene
Concen: 7.54 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU024898.D
Acq: 26 Jun 2018 01:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	12.7	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

