

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026973.D
 Acq On : 21 Sep 2018 17:36
 Operator : MD/SY
 Sample : VU0922WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBL01

Quant Time: Sep 22 01:34:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	88862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	172105	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	168429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76875	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	98500	55.07	ug/l	0.00
Spiked Amount			Recovery	=	110.14%	
35) Dibromofluoromethane	4.88	113	76084	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
50) Toluene-d8	7.57	98	276782	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	10.31	95	90697	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	

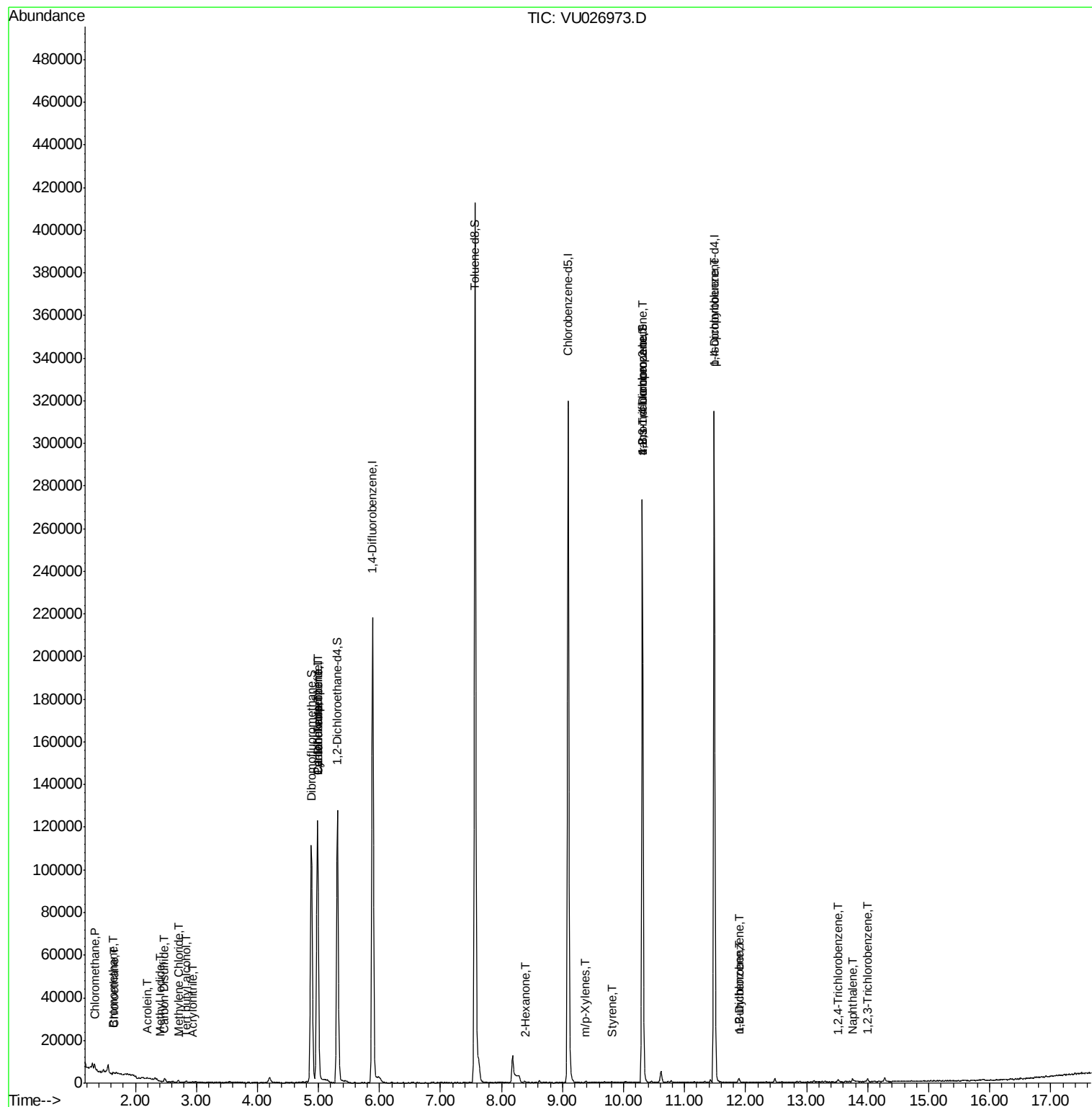
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1554	0.777	ug/l	98
5) Bromomethane	1.63	94	347	0.326	ug/l #	77
6) Chloroethane	1.67	64	630	0.528	ug/l #	43
10) Methyl Iodide	2.41	142	424	0.262	ug/l #	39
11) Tert butyl alcohol	2.84	59	241	0.588	ug/l #	72
13) Acrolein	2.20	56	114	0.516	ug/l #	60
15) Acrylonitrile	2.95	53	255	0.247	ug/l #	73
16) Acetone	2.32	43	988	Below Cal		95
17) Carbon Disulfide	2.48	76	2227	0.557	ug/l	98
20) Methylene Chloride	2.71	84	371	0.232	ug/l #	87
31) Cyclohexane	4.98	56	2257	0.275	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8251	3.592	ug/l #	50
38) Carbon Tetrachloride	4.99	117	8935	4.088	ug/l #	17
59) 2-Hexanone	8.38	43	574	0.240	ug/l	79
68) m/p-Xylenes	9.38	106	211	1.571	ug/l #	52
70) Styrene	9.81	104	404	1.890	ug/l #	28
76) 1,2,3-Trichloropropane	10.31	75	47817	20.475	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	47817	65.522	ug/l #	100
86) p-Isopropyltoluene	11.48	119	352	0.991	ug/l #	23
89) n-Butylbenzene	11.90	91	621	2.504	ug/l #	73
91) 1,2-Dichlorobenzene	11.88	146	691	0.245	ug/l	94
93) 1,2,4-Trichlorobenzene	13.52	180	624	0.383	ug/l #	87
95) Naphthalene	13.75	128	1466	1.912	ug/l #	84
96) 1,2,3-Trichlorobenzene	13.99	180	697	0.399	ug/l #	86

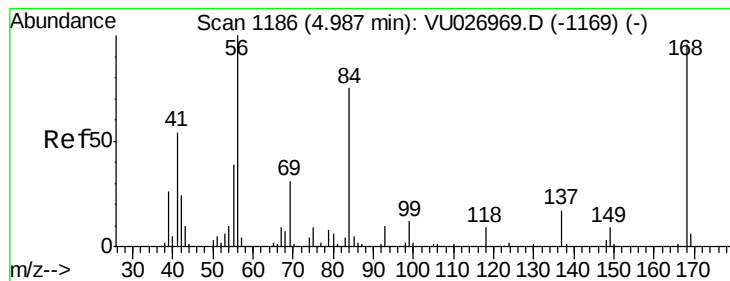
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
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ClientSampleId :
VU0922WBL01

Quant Time: Sep 22 01:34:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026973.D

Acq: 21 Sep 2018 17:36

Instrument :

MSVOA_U

ClientSampleId :

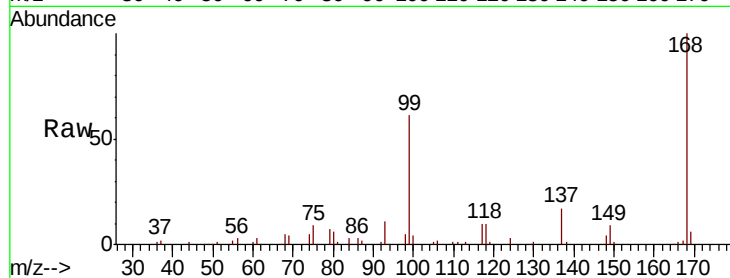
VU0922WBL01

Tgt Ion:168 Resp: 88862

Ion Ratio Lower Upper

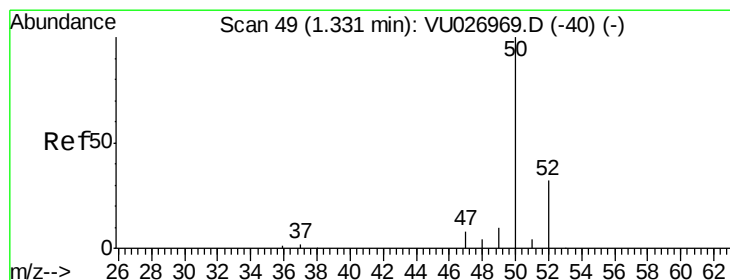
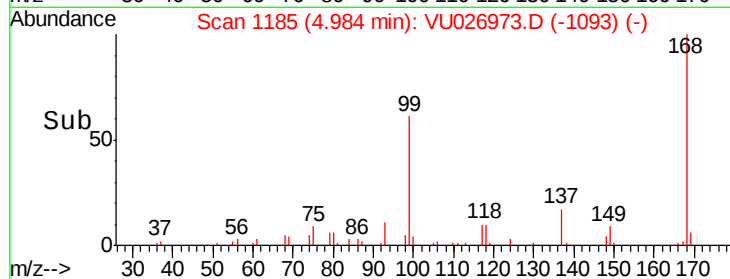
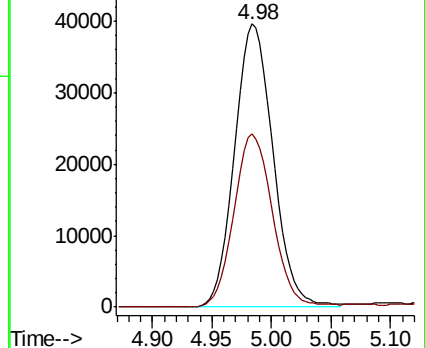
168 100

99 61.0 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)



#3

Chloromethane

Concen: 0.777 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU026973.D

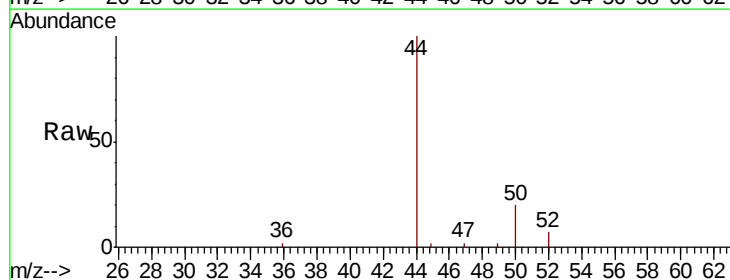
Acq: 21 Sep 2018 17:36

Tgt Ion: 50 Resp: 1554

Ion Ratio Lower Upper

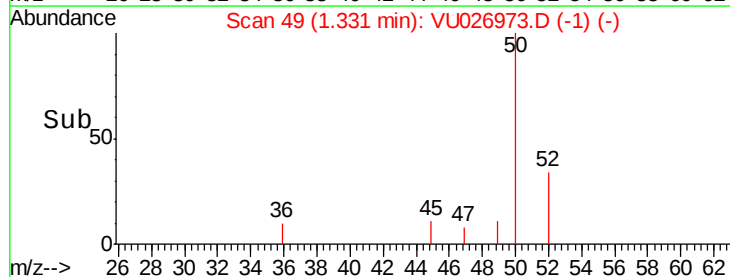
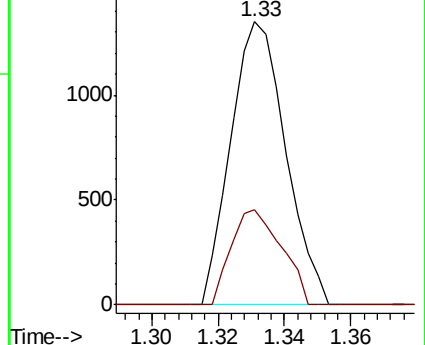
50 100

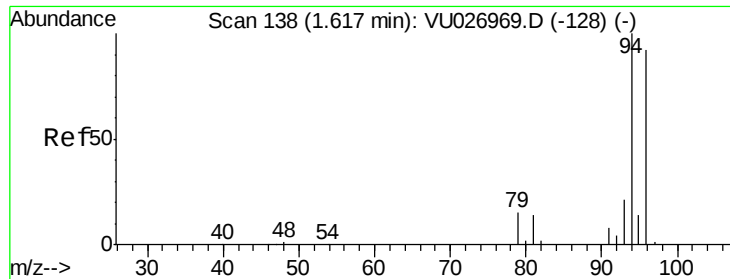
52 33.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU026969.D (-40) (-)





#5

Bromomethane

Concen: 0.326 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU026973.D

Acq: 21 Sep 2018 17:36

Instrument :

MSVOA_U

ClientSampleId :

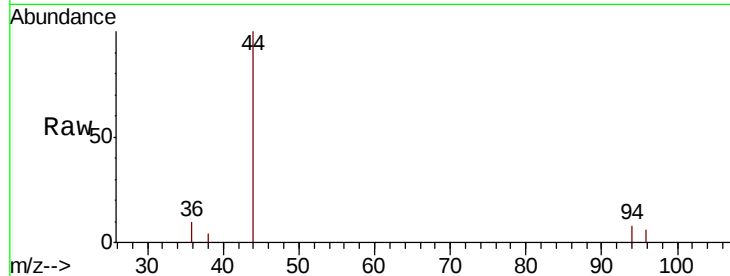
VU0922WBL01

Tgt Ion: 94 Resp: 347

Ion Ratio Lower Upper

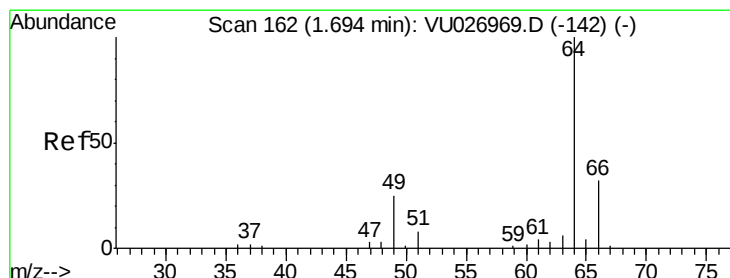
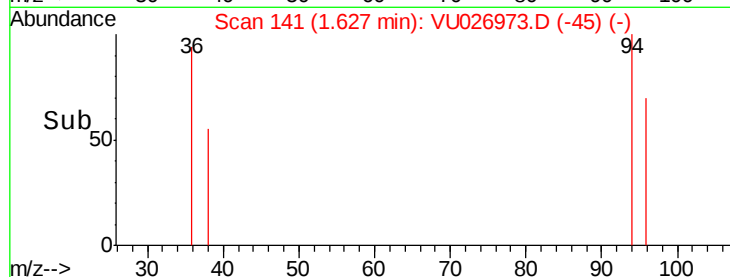
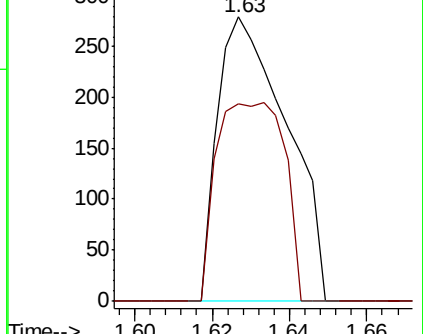
94 100

96 69.5 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 0.528 ug/l

RT: 1.67 min Scan# 153

Delta R.T. -0.03 min

Lab File: VU026973.D

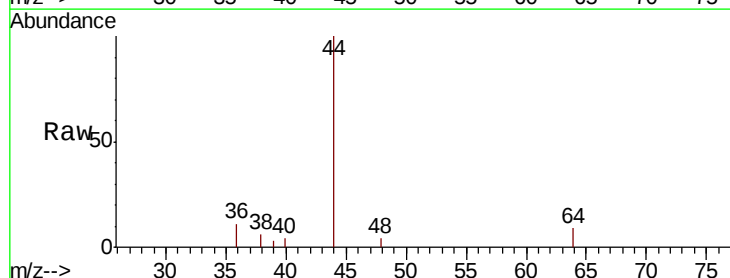
Acq: 21 Sep 2018 17:36

Tgt Ion: 64 Resp: 630

Ion Ratio Lower Upper

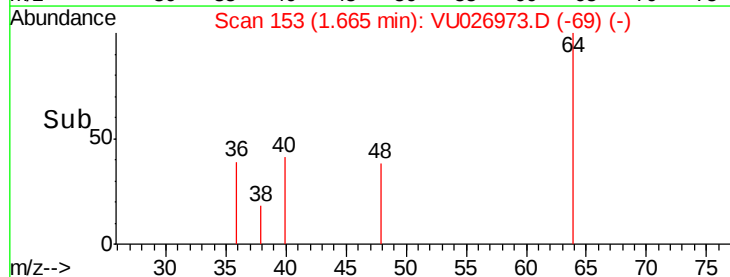
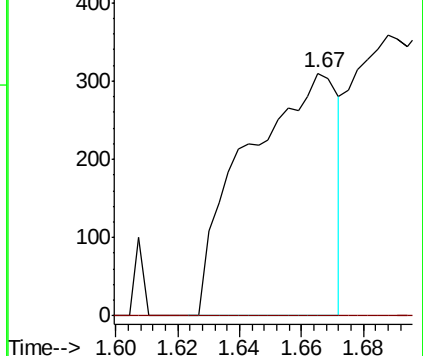
64 100

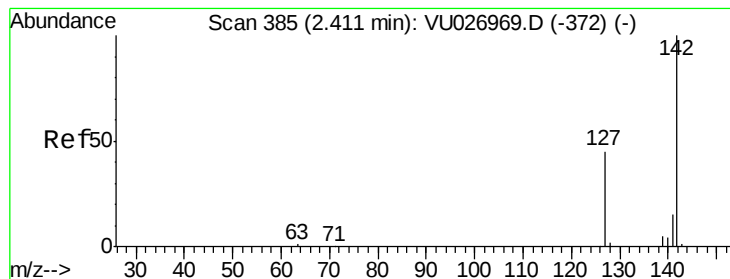
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

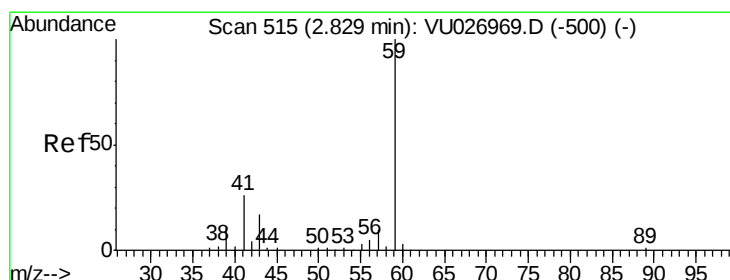
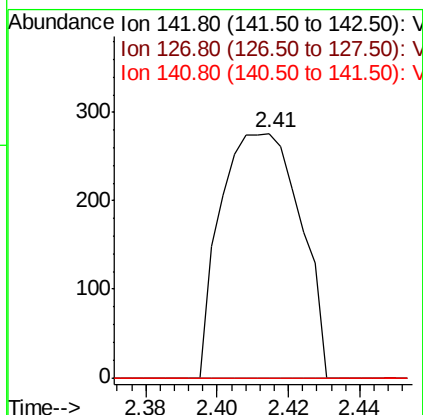
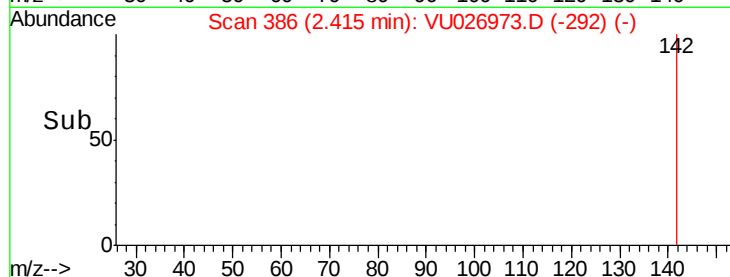
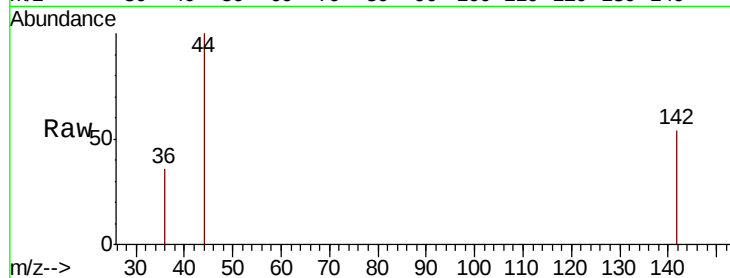




#10
Methyl Iodide
Concen: 0.262 ug/l
RT: 2.41 min Scan# 386
Delta R.T. 0.00 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

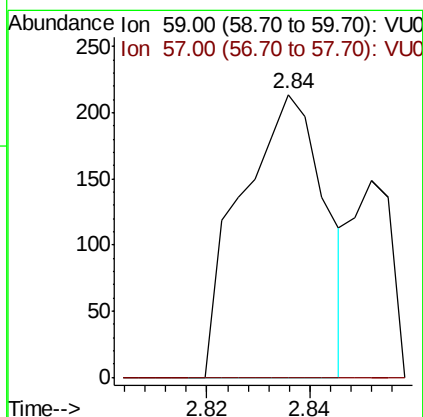
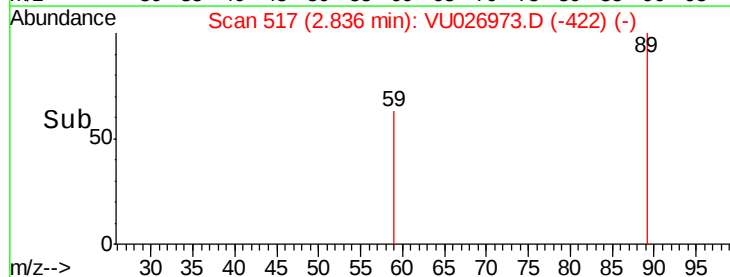
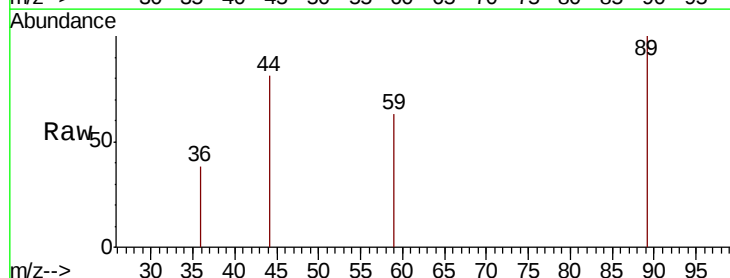
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBL01

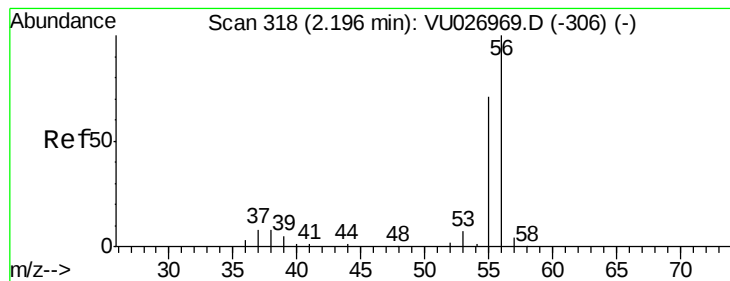
Tgt Ion: 142 Resp: 424
Ion Ratio Lower Upper
142 100
127 0.0 36.7 55.1#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 0.588 ug/l
RT: 2.84 min Scan# 517
Delta R.T. 0.01 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

Tgt Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.516 ug/l

RT: 2.20 min Scan# 320

Delta R.T. 0.01 min

Lab File: VU026973.D

Acq: 21 Sep 2018 17:36

Instrument :

MSVOA_U

ClientSampled :

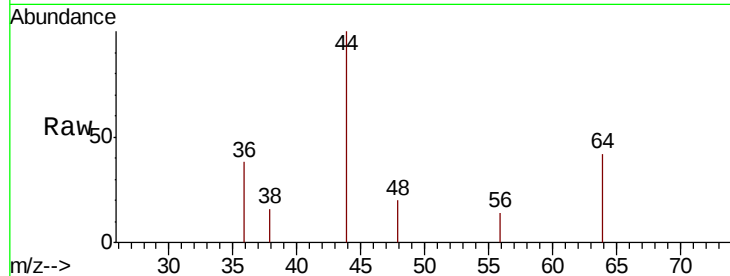
VU0922WBL01

Tgt Ion: 56 Resp: 114

Ion Ratio Lower Upper

56 100

55 38.6 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

150

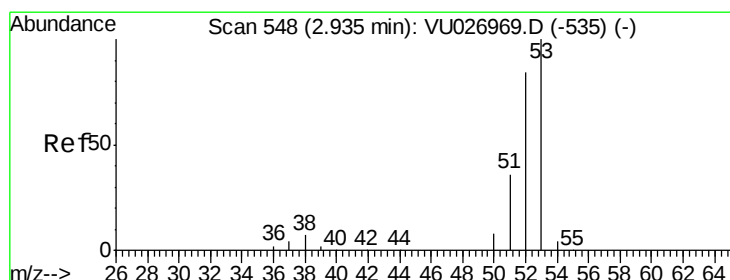
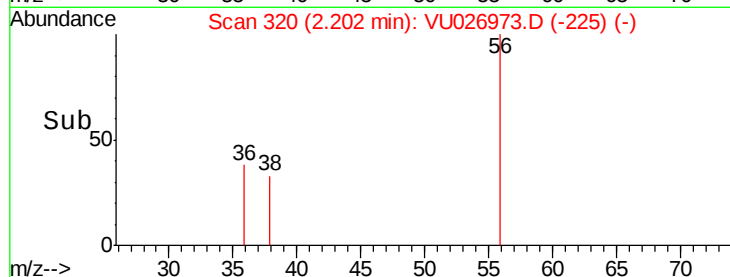
100

50

0

2.18 2.19 2.20 2.21 2.22

Time-->



#15

Acrylonitrile

Concen: 0.247 ug/l

RT: 2.95 min Scan# 552

Delta R.T. 0.01 min

Lab File: VU026973.D

Acq: 21 Sep 2018 17:36

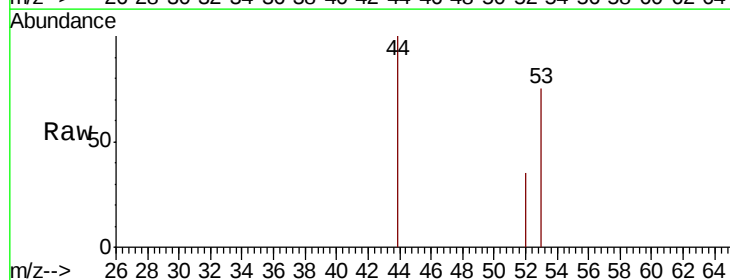
Tgt Ion: 53 Resp: 255

Ion Ratio Lower Upper

53 100

52 70.6 65.7 98.5

51 0.0 27.4 41.2#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

300

250

200

150

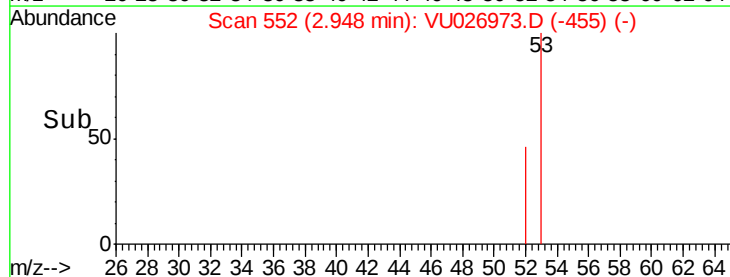
100

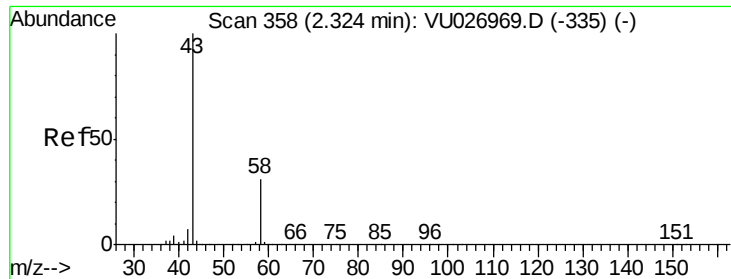
50

0

2.92 2.94 2.96

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026973.D

Acq: 21 Sep 2018 17:36

Instrument :

MSVOA_U

ClientSampleId :

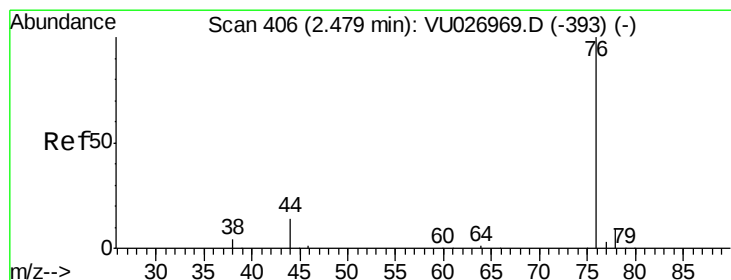
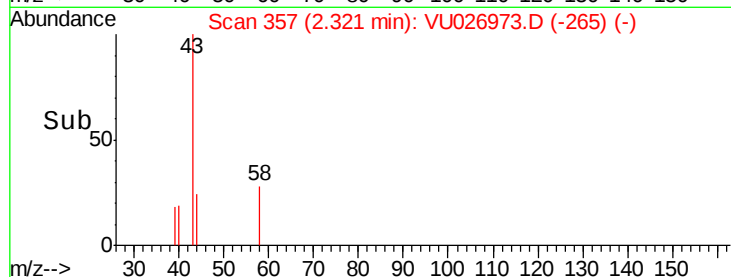
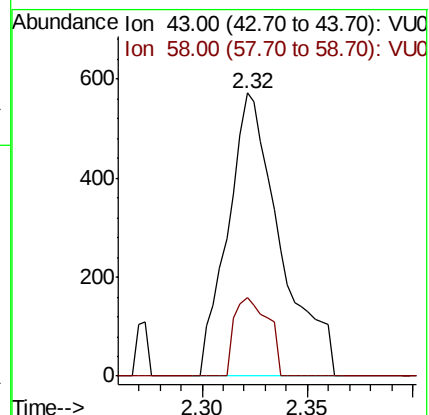
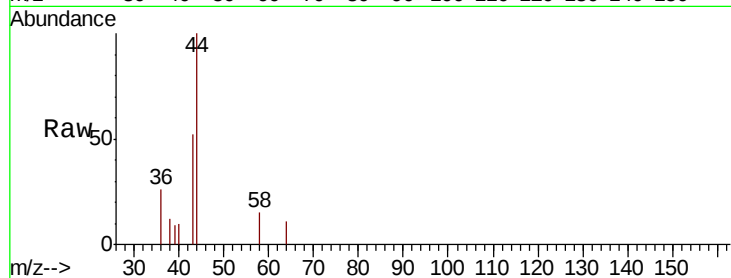
VU0922WBL01

Tgt Ion: 43 Resp: 988

Ion Ratio Lower Upper

43 100

58 27.8 24.6 36.8



#17

Carbon Disulfide

Concen: 0.557 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026973.D

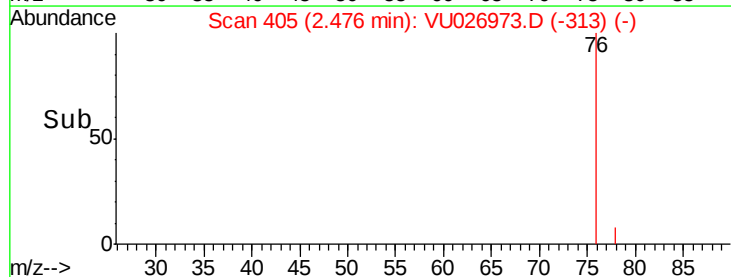
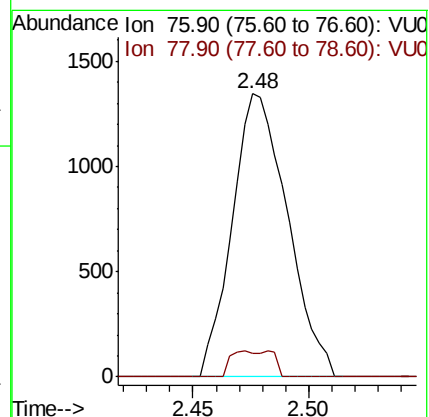
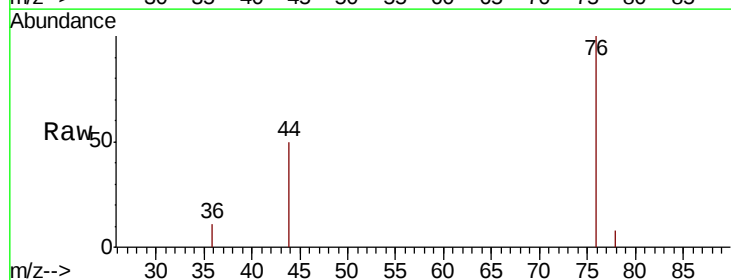
Acq: 21 Sep 2018 17:36

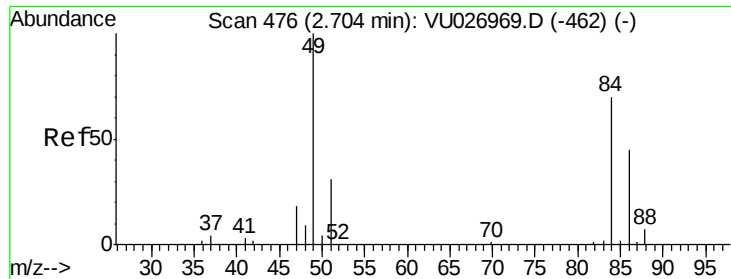
Tgt Ion: 76 Resp: 2227

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7

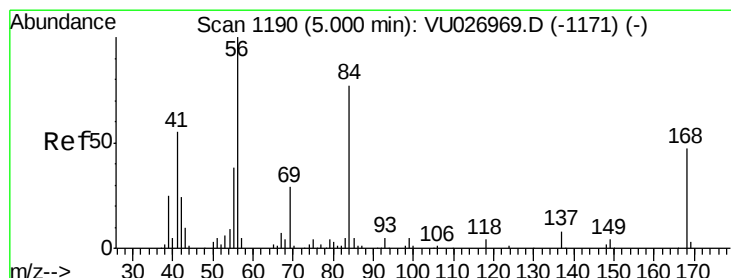
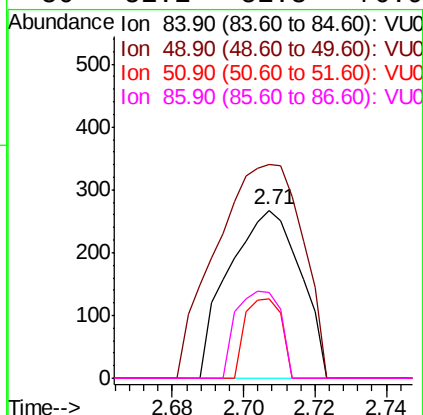
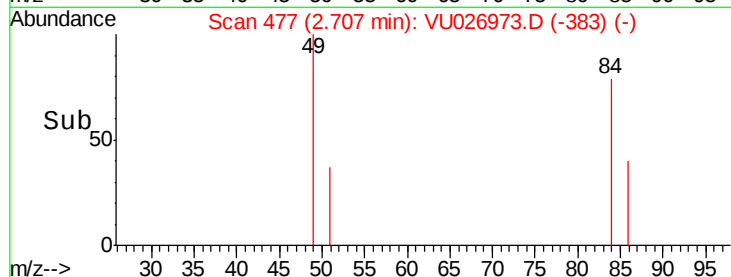
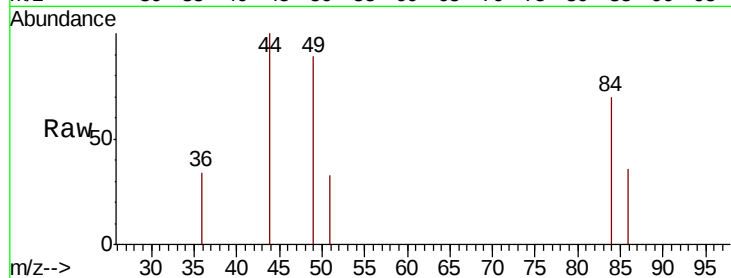




#20
Methylene Chloride
Concen: 0.232 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

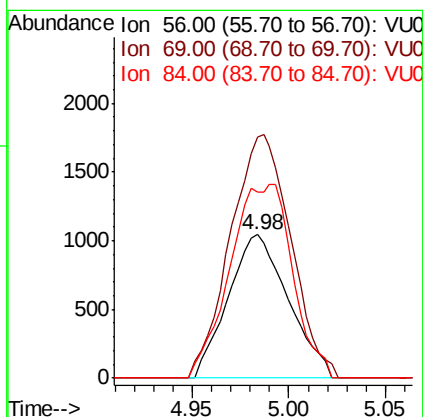
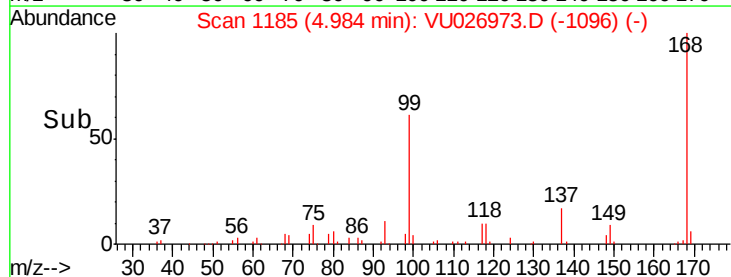
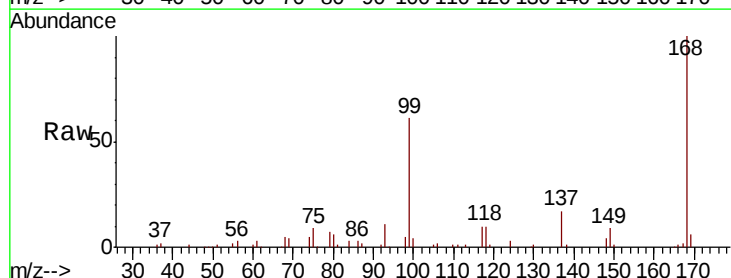
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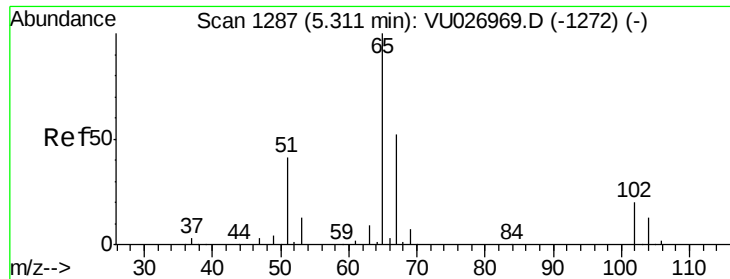
Tgt Ion: 84 Resp: 371
Ion Ratio Lower Upper
84 100
49 126.9 114.9 172.3
51 47.0 35.8 53.8
86 51.1 51.3 76.9#



#31
Cyclohexane
Concen: 0.275 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

Tgt Ion: 56 Resp: 2257
Ion Ratio Lower Upper
56 100
69 168.5 23.0 34.4#
84 130.2 61.4 92.2#





#33

1,2-Dichloroethane-d4

Concen: 55.074 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU026973.D

Acq: 21 Sep 2018 17:36

Instrument :

MSVOA_U

ClientSampleId :

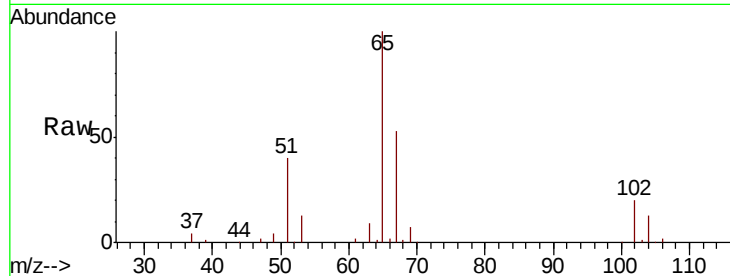
VU0922WBL01

Tgt Ion: 65 Resp: 98500

Ion Ratio Lower Upper

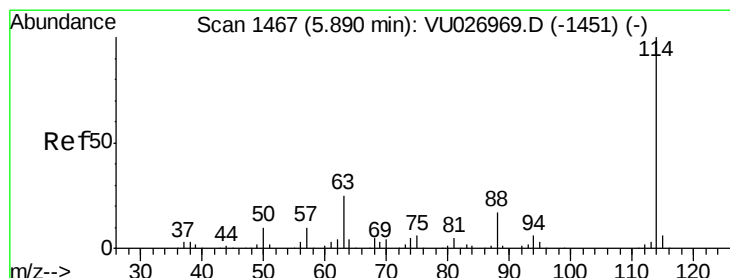
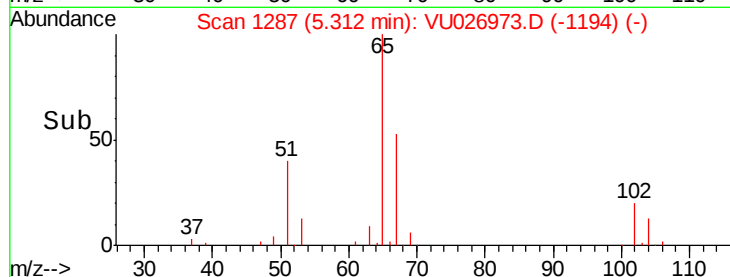
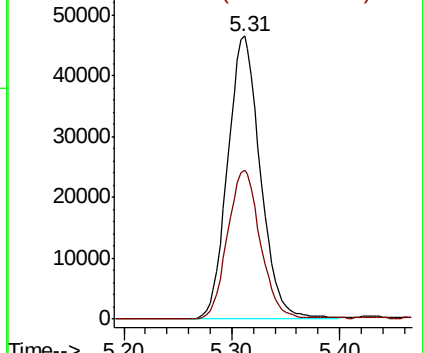
65 100

67 52.9 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VU026973.D

Acq: 21 Sep 2018 17:36

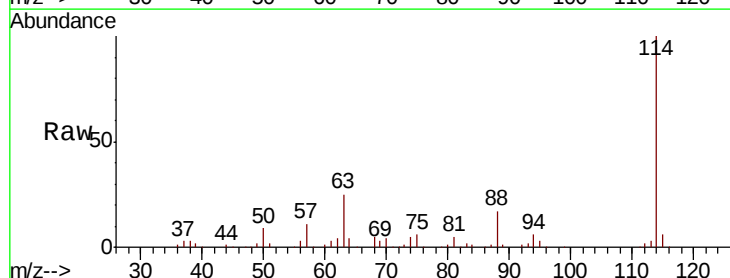
Tgt Ion: 114 Resp: 172105

Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

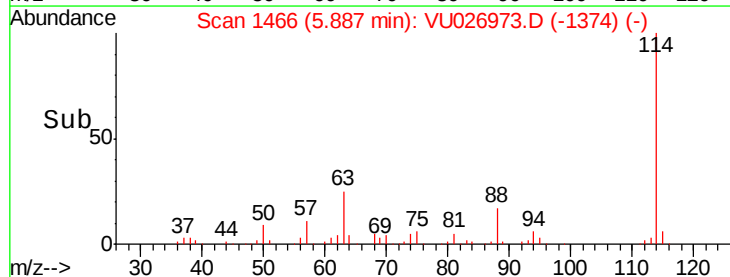
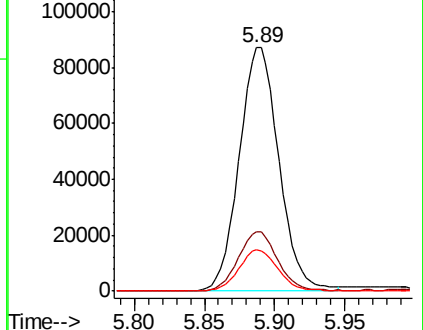
88 16.9 0.0 33.8

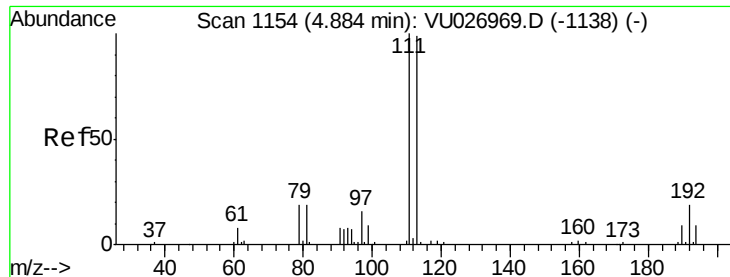


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

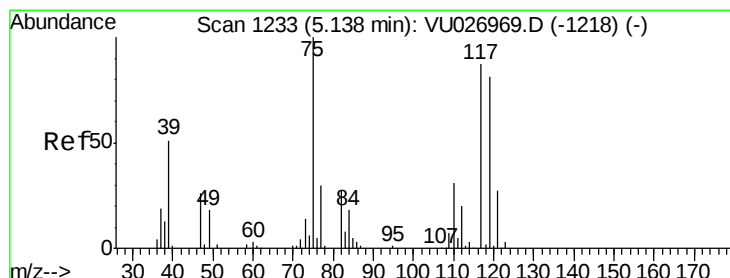
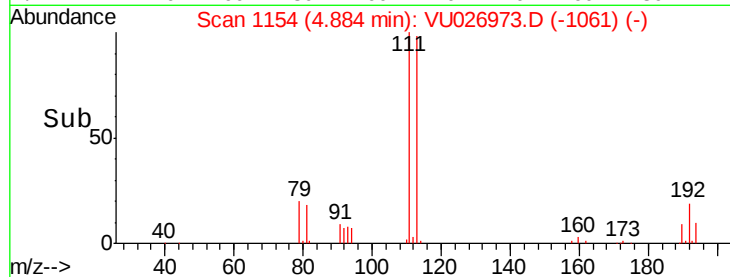
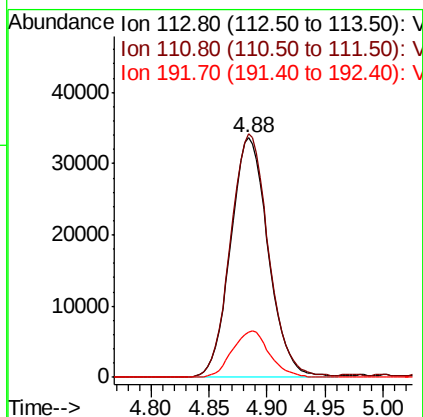
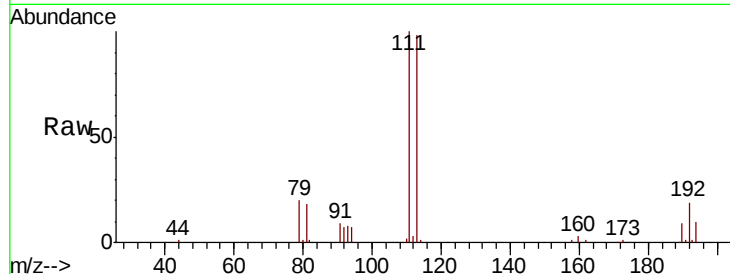




#35
 Dibromofluoromethane
 Concen: 51.001 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026973.D
 Acq: 21 Sep 2018 17:36

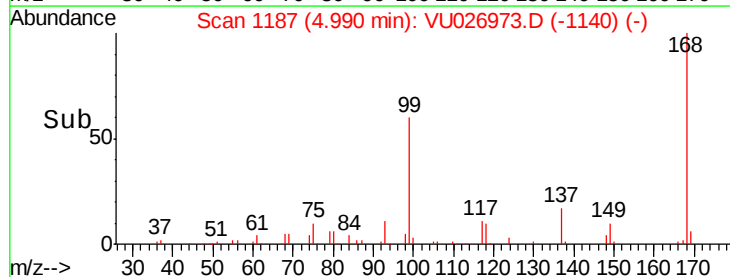
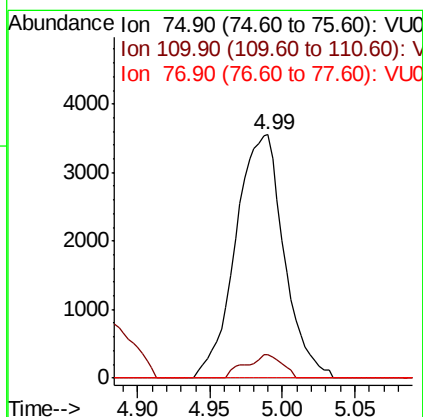
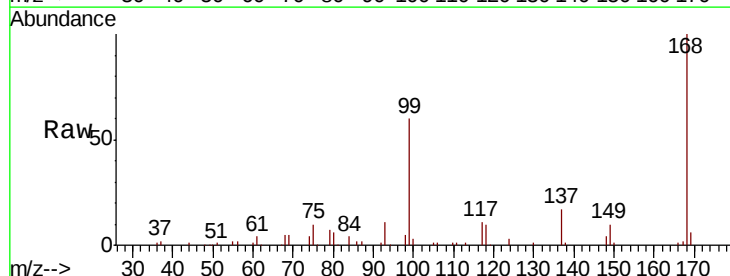
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBL01

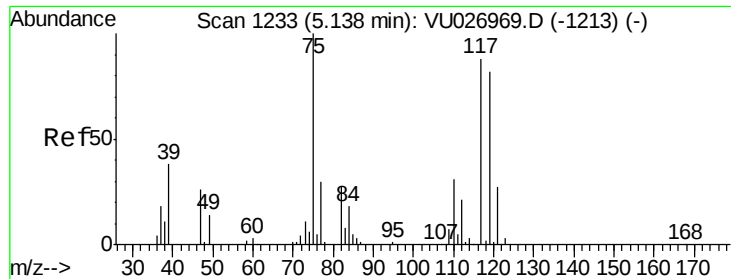
Tgt Ion:113 Resp: 76084
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.2 123.4
 192 19.2 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 3.592 ug/l
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.15 min
 Lab File: VU026973.D
 Acq: 21 Sep 2018 17:36

Tgt Ion: 75 Resp: 8251
 Ion Ratio Lower Upper
 75 100
 110 7.1 16.1 48.2#
 77 0.0 24.6 36.8#

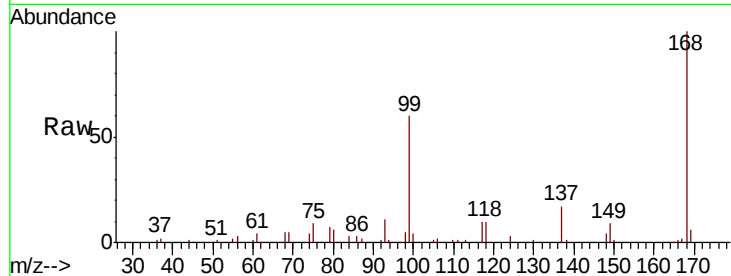




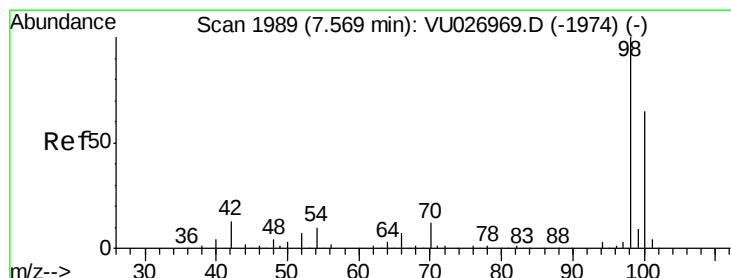
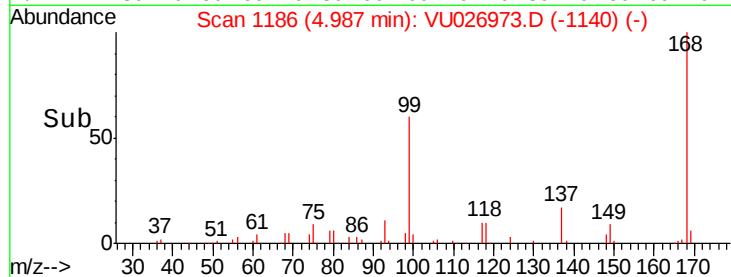
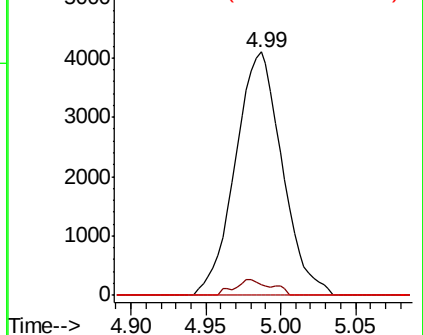
#38
Carbon Tetrachloride
Concen: 4.088 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBL01

Tgt Ion:117 Resp: 8935
Ion Ratio Lower Upper
117 100
119 4.4 74.4 111.6#
121 0.0 24.2 36.4#

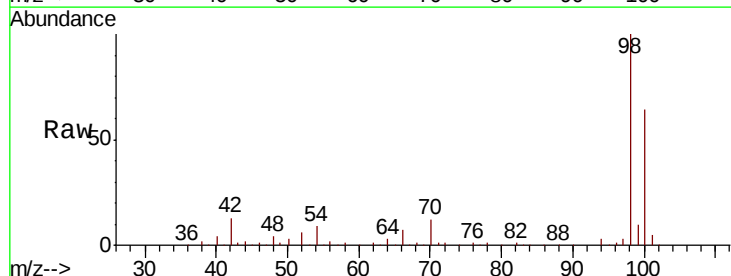


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

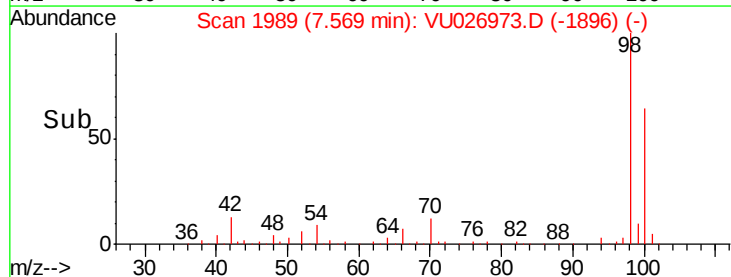
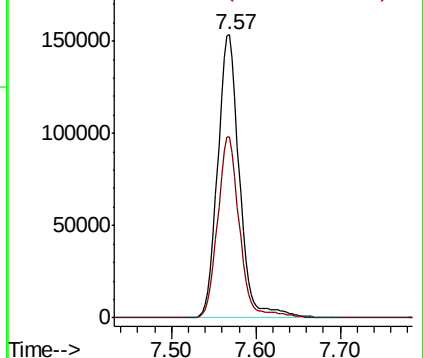


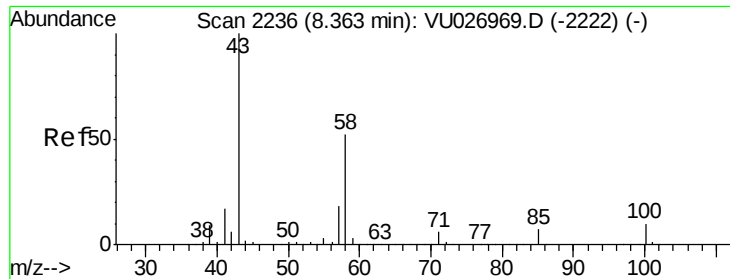
#50
Toluene-d8
Concen: 48.683 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

Tgt Ion: 98 Resp: 276782
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

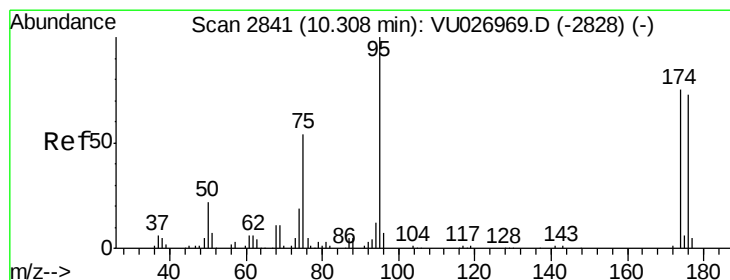
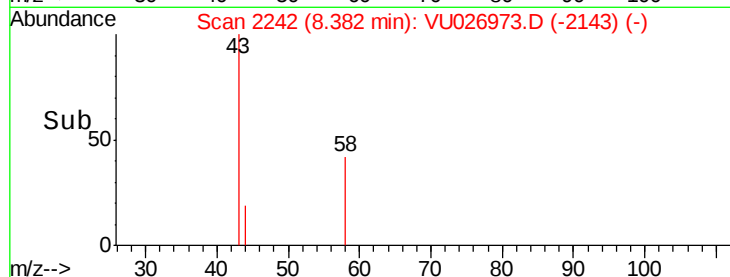
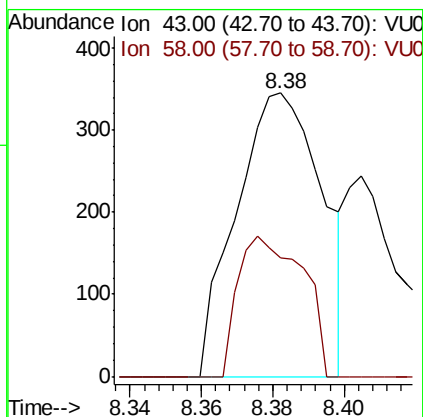
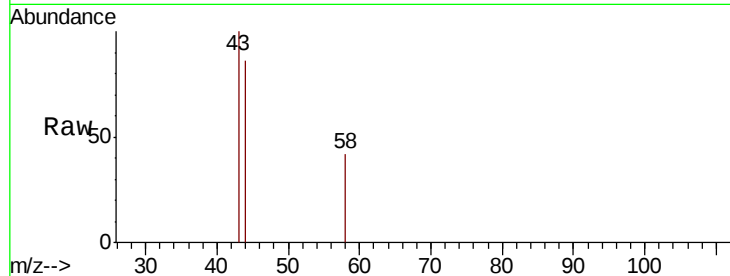




#59
2-Hexanone
Concen: 0.240 ug/l
RT: 8.38 min Scan# 2242
Delta R.T. 0.02 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

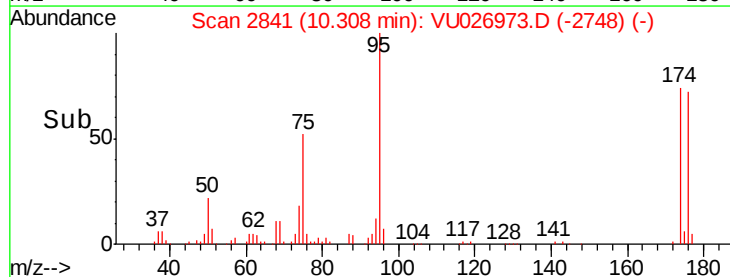
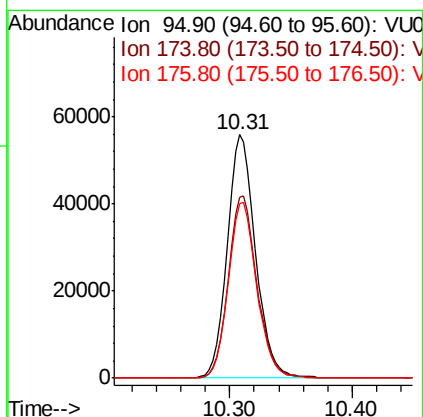
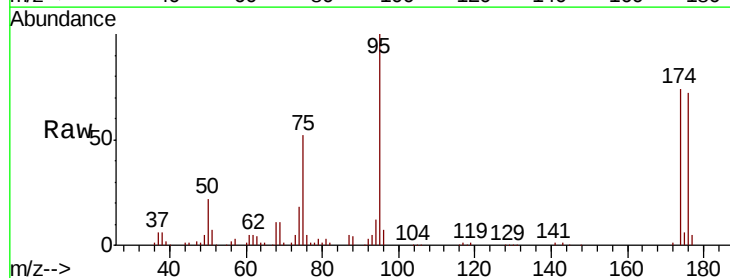
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBL01

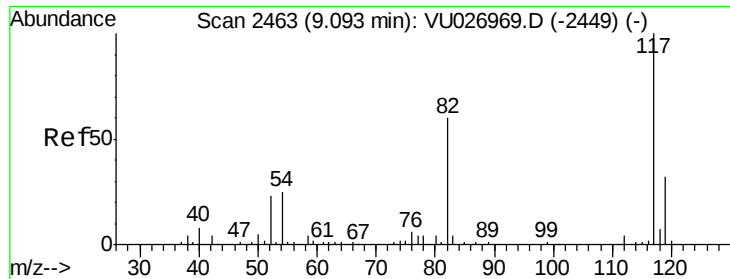
Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
58 37.5 26.1 78.2



#62
4-Bromofluorobenzene
Concen: 46.492 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

Tgt Ion: 95 Resp: 90697
Ion Ratio Lower Upper
95 100
174 76.1 0.0 150.2
176 72.8 0.0 145.2

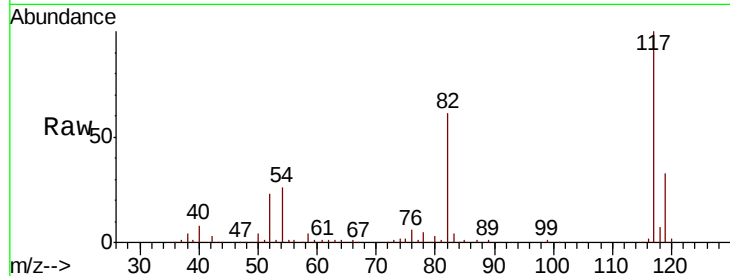




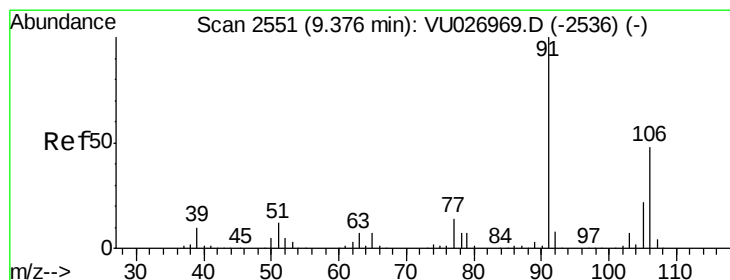
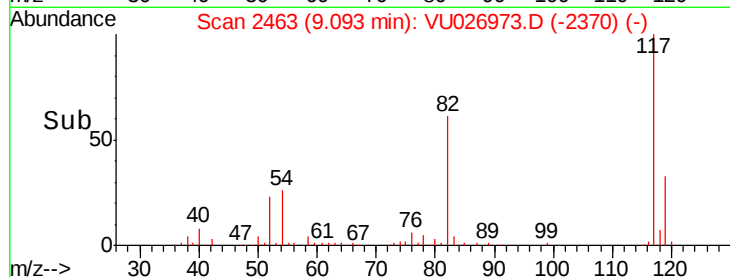
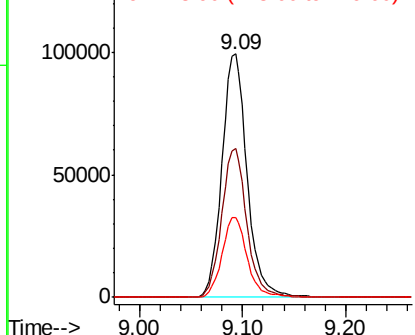
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBL01

Tgt Ion:117 Resp: 168429
Ion Ratio Lower Upper
117 100
82 61.1 48.0 72.0
119 33.0 25.8 38.8

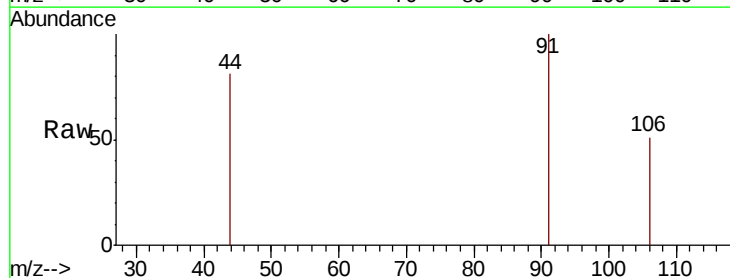


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

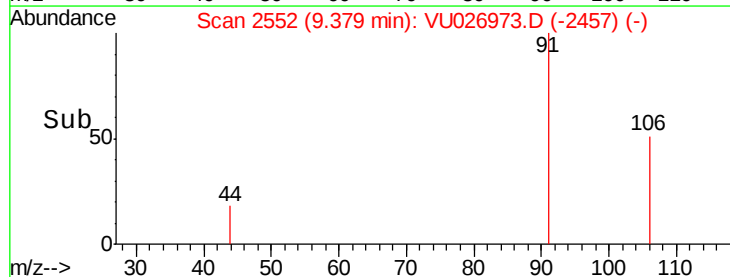
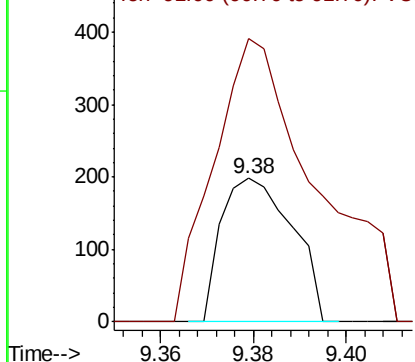


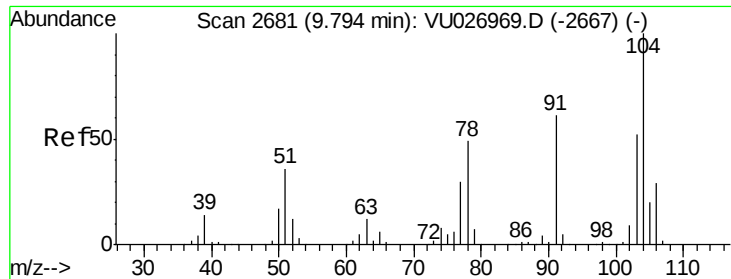
#68
m/p-Xylenes
Concen: 1.571 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

Tgt Ion:106 Resp: 211
Ion Ratio Lower Upper
106 100
91 282.0 166.5 249.7#



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

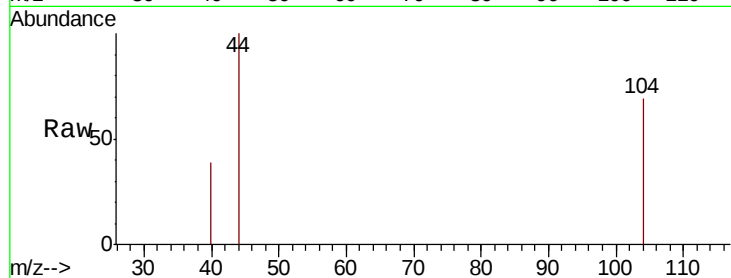




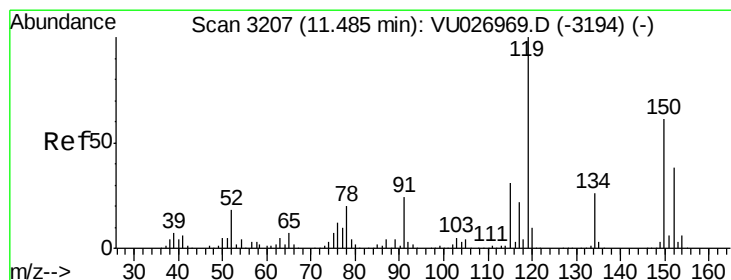
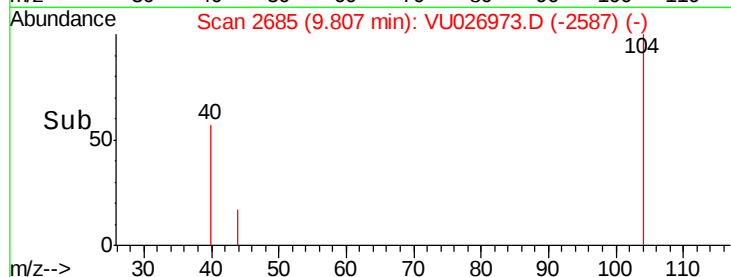
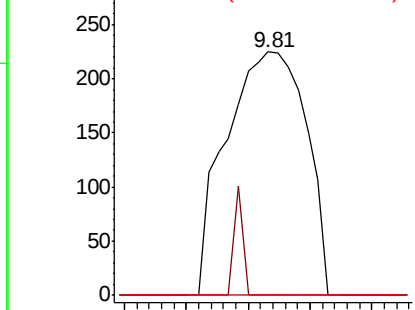
#70
Styrene
Concen: 1.890 ug/l
RT: 9.81 min Scan# 2685
Delta R.T. 0.01 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBL01

Tgt Ion:104 Resp: 404
Ion Ratio Lower Upper
104 100
78 4.7 43.0 64.4#
103 0.0 44.1 66.1#

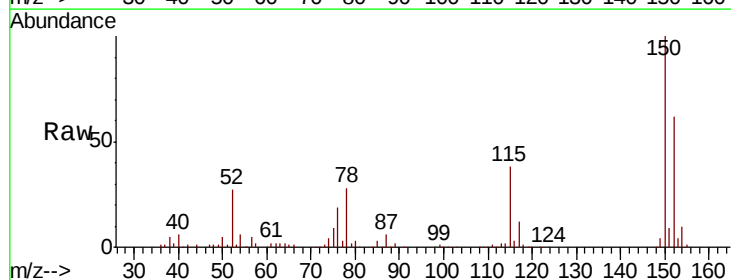


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

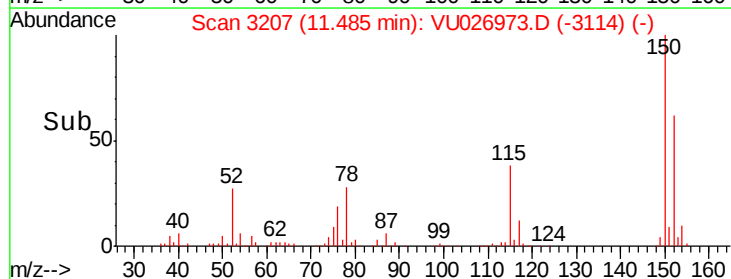
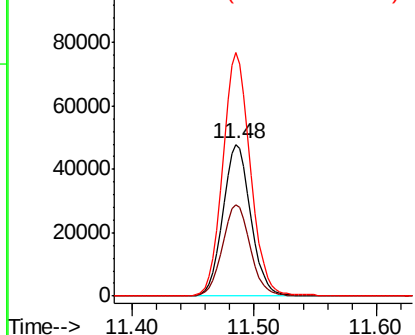


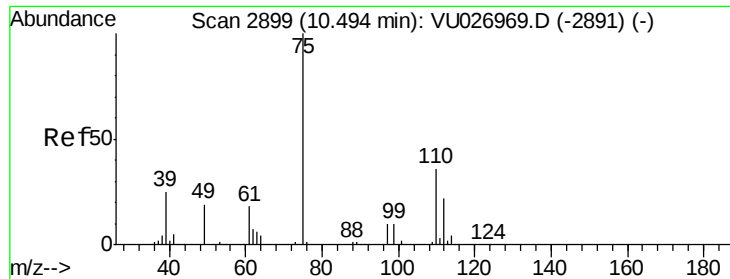
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

Tgt Ion:152 Resp: 76875
Ion Ratio Lower Upper
152 100
115 60.2 44.9 134.5
150 159.0 0.0 355.8



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

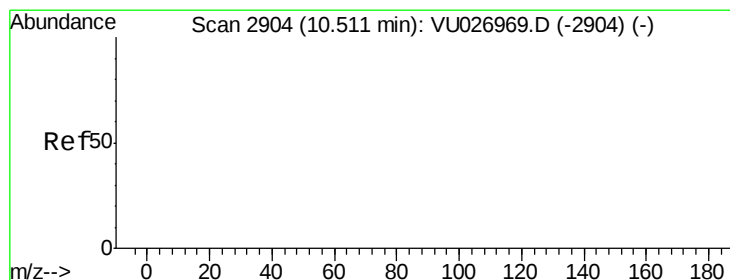
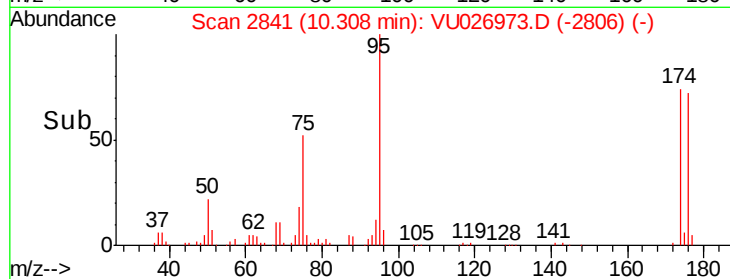
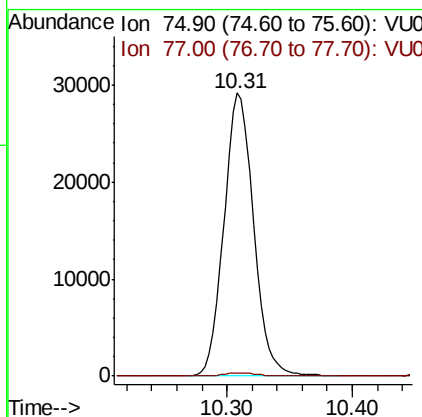
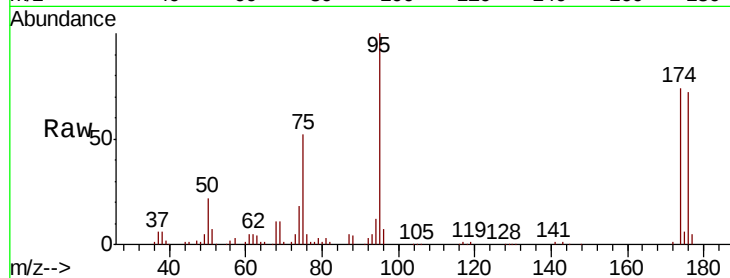




#76
 1,2,3-Trichloropropane
 Concen: 20.475 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU026973.D
 Acq: 21 Sep 2018 17:36

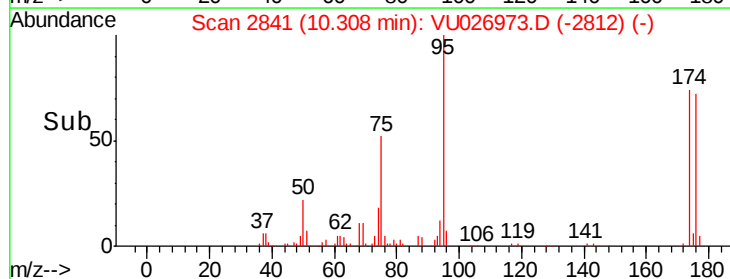
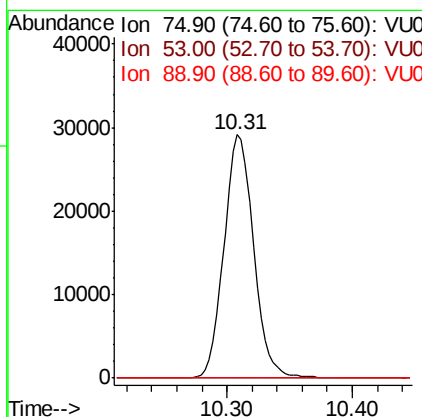
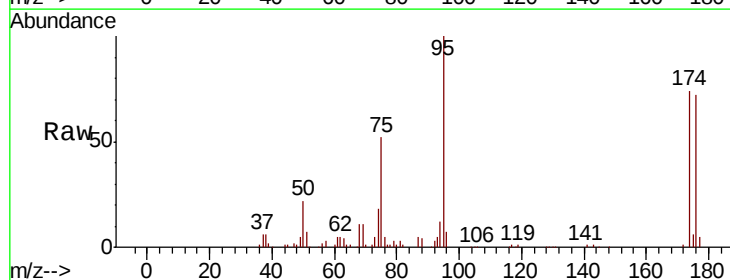
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBL01

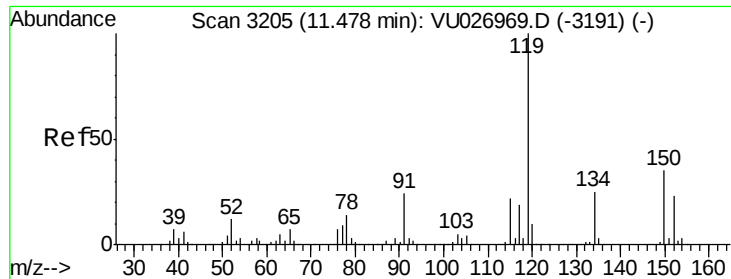
Tgt Ion: 75 Resp: 47817
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.522 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU026973.D
 Acq: 21 Sep 2018 17:36

Tgt Ion: 75 Resp: 47817
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

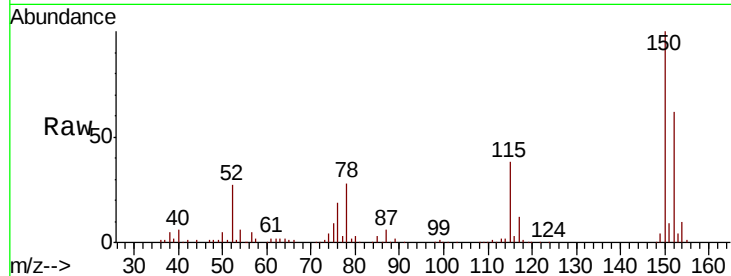




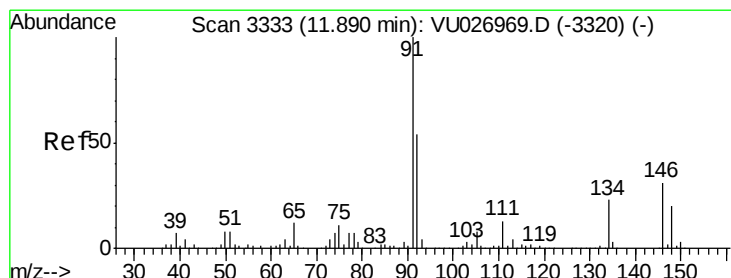
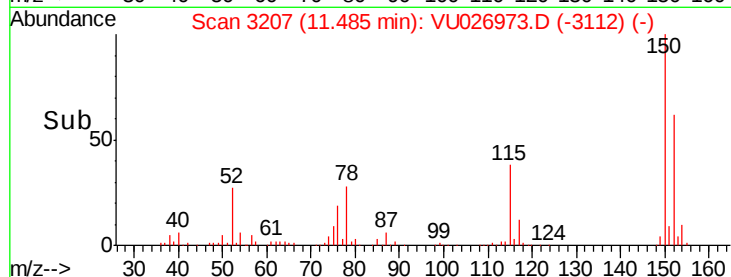
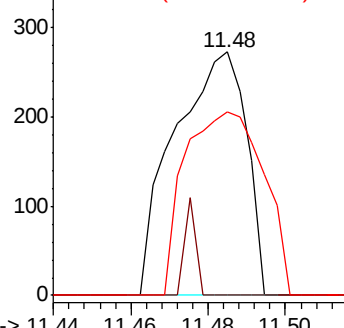
#86
p-Isopropyltoluene
Concen: 0.991 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.01 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBL01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	6.0	12.8	38.3#
91	82.4	12.3	36.8#

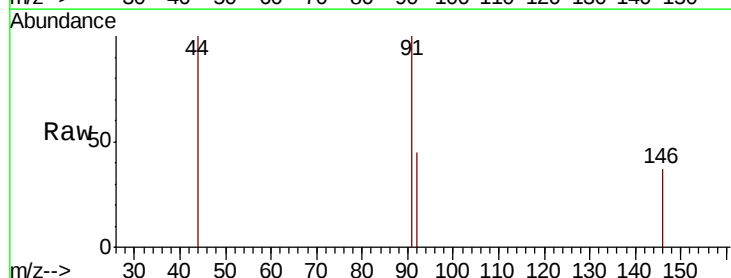


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

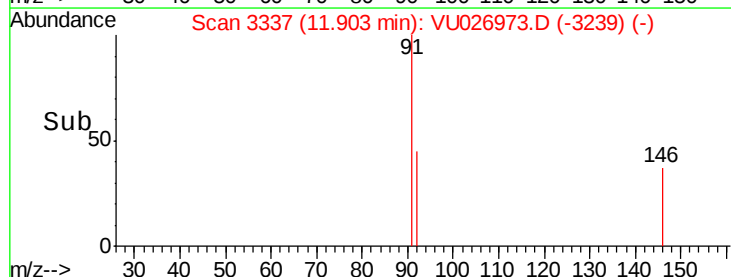
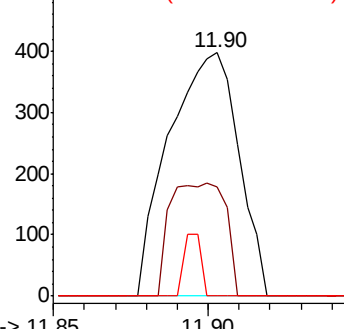


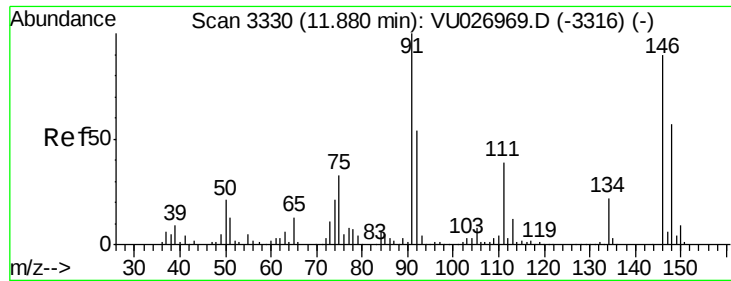
#89
n-Butylbenzene
Concen: 2.504 ug/l
RT: 11.90 min Scan# 3337
Delta R.T. 0.01 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	36.9	27.1	81.2
134	6.3	11.7	35.0#



Abundance Ion 91.00 (90.70 to 91.70): VU
Ion 92.00 (91.70 to 92.70): VU
Ion 134.00 (133.70 to 134.70): V

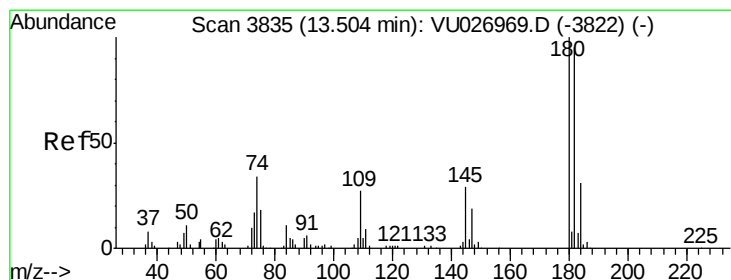
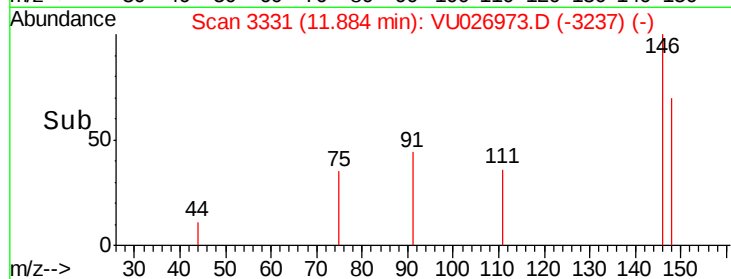
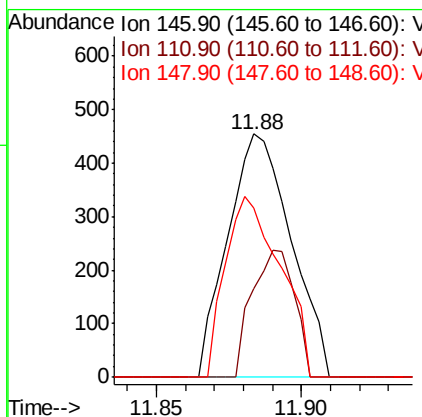
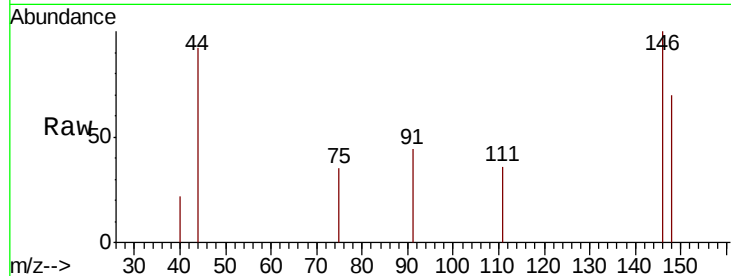




#91
 1,2-Dichlorobenzene
 Concen: 0.245 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU026973.D
 Acq: 21 Sep 2018 17:36

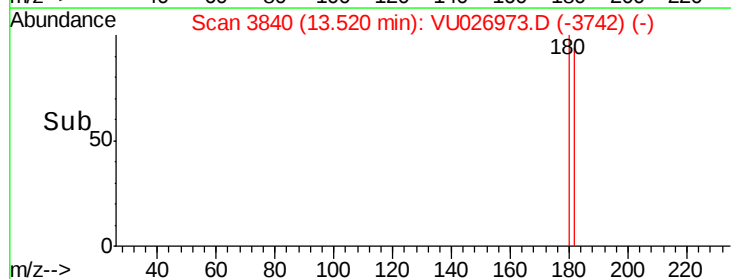
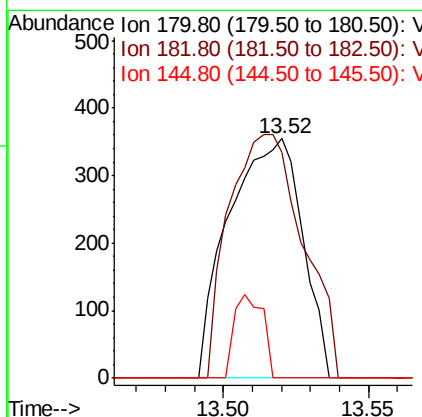
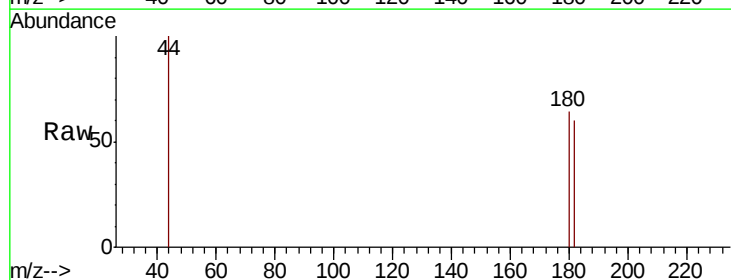
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBL01

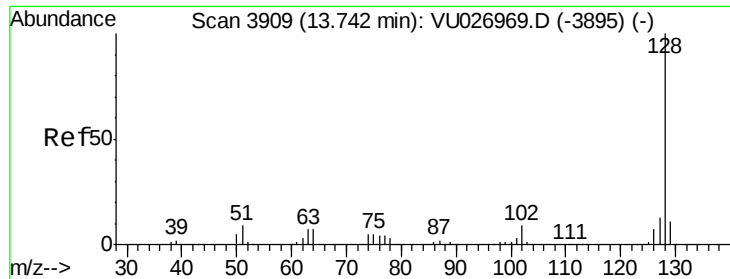
Tgt Ion:146 Resp: 691
 Ion Ratio Lower Upper
 146 100
 111 35.0 21.8 65.3
 148 64.4 31.9 95.7



#93
 1,2,4-Trichlorobenzene
 Concen: 0.383 ug/l
 RT: 13.52 min Scan# 3840
 Delta R.T. 0.02 min
 Lab File: VU026973.D
 Acq: 21 Sep 2018 17:36

Tgt Ion:180 Resp: 624
 Ion Ratio Lower Upper
 180 100
 182 102.4 47.4 142.2
 145 13.5 14.9 44.5#

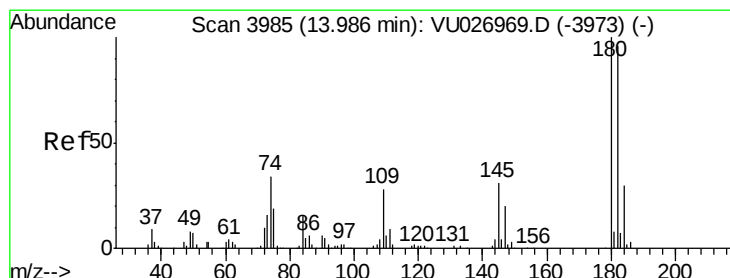
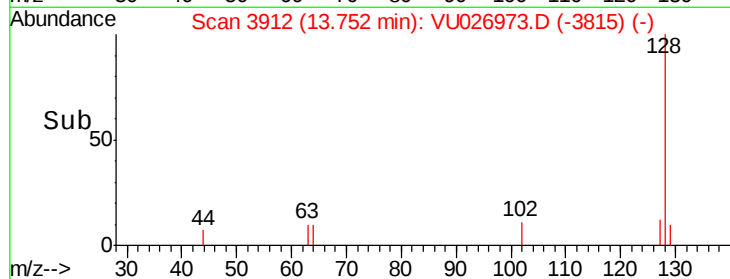
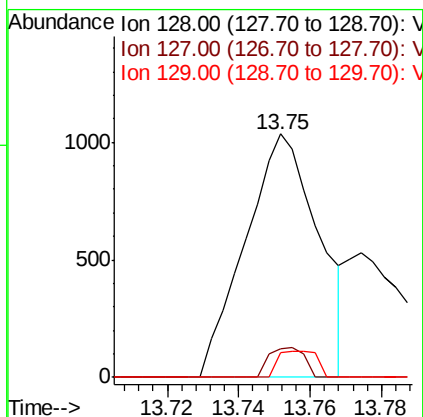
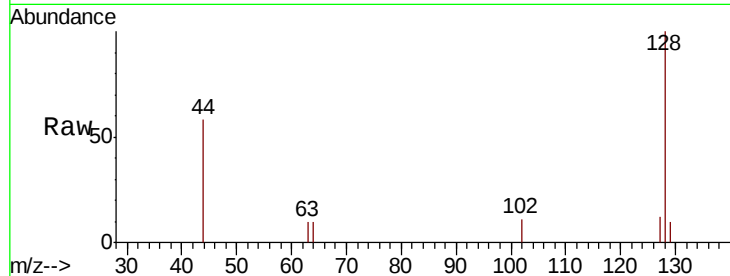




#95
Naphthalene
Concen: 1.912 ug/l
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBL01

Tgt Ion:128 Resp: 1466
Ion Ratio Lower Upper
128 100
127 5.9 10.6 15.8#
129 5.6 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.399 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026973.D
Acq: 21 Sep 2018 17:36

Tgt Ion:180 Resp: 697
Ion Ratio Lower Upper
180 100
182 86.7 47.5 142.5
145 13.8 15.4 46.4#

