

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027256.D
 Acq On : 28 Sep 2018 09:10
 Operator : MD/SY
 Sample : VU0928WBL02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBL02

Quant Time: Sep 28 16:12:02 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	104257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	174650	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	163025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74068	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	102193	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	4.88	113	73273	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	7.57	98	274981	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
62) 4-Bromofluorobenzene	10.31	95	88218	44.56	ug/l	0.00
Spiked Amount			Recovery	=	89.12%	

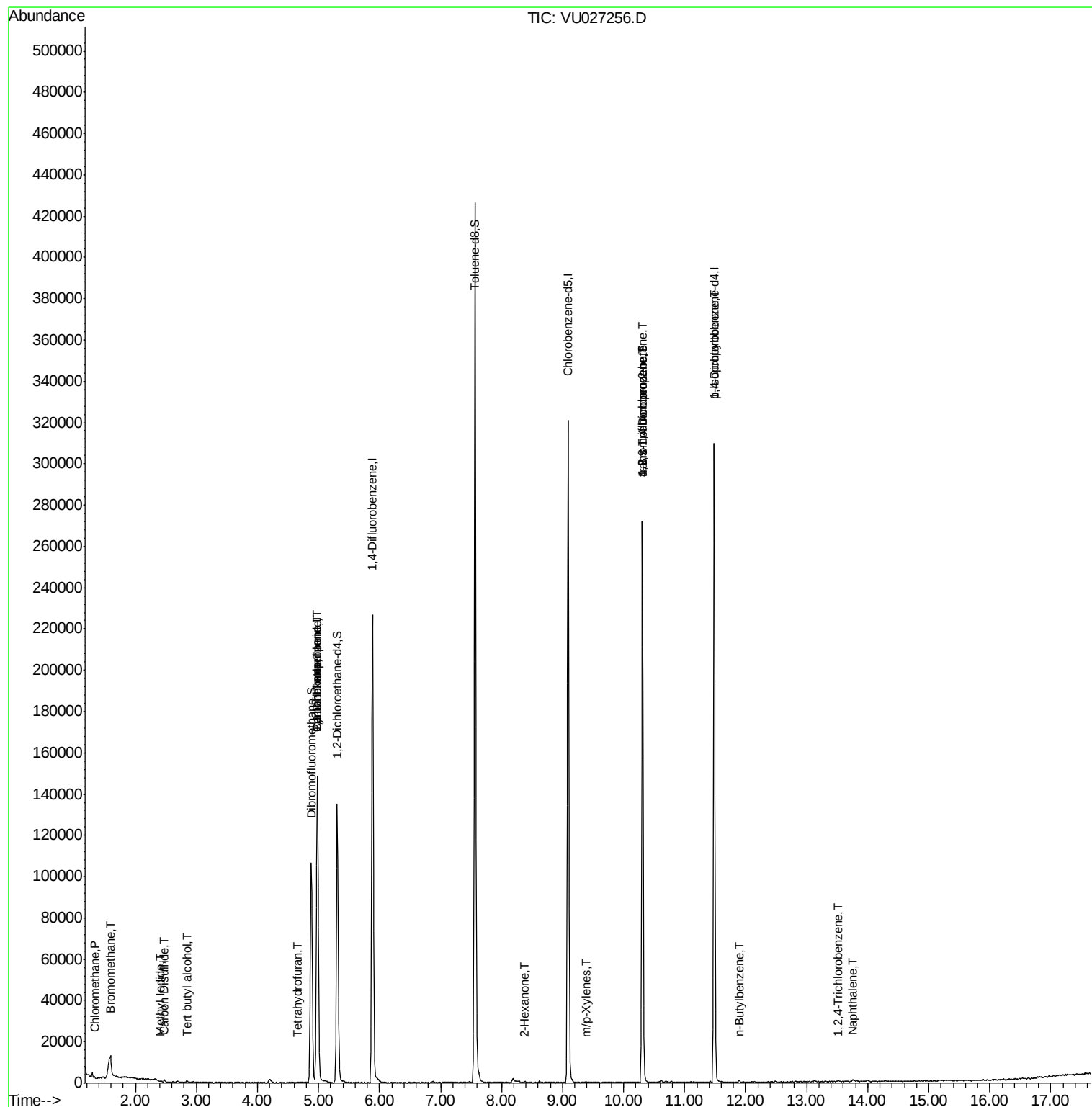
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	676	0.288	ug/l #	87
5) Bromomethane	1.61	94	1240	0.994	ug/l	92
10) Methyl Iodide	2.41	142	412	0.217	ug/l #	58
11) Tert butyl alcohol	2.84	59	477	0.992	ug/l #	72
16) Acetone	2.32	43	811	Below Cal	#	44
17) Carbon Disulfide	2.48	76	1163	0.248	ug/l #	90
29) Tetrahydrofuran	4.65	42	224	0.210	ug/l #	37
31) Cyclohexane	4.98	56	2616	0.264	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9668	4.148	ug/l #	50
38) Carbon Tetrachloride	4.98	117	10654	4.803	ug/l #	18
59) 2-Hexanone	8.38	43	694	0.286	ug/l #	60
68) m/p-Xylenes	9.38	106	92	1.532	ug/l #	23
76) 1,2,3-Trichloropropane	10.31	75	48068	21.362	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	48068	68.362	ug/l #	100
86) p-Isopropyltoluene	11.48	119	285	0.981	ug/l #	1
89) n-Butylbenzene	11.89	91	439	2.474	ug/l #	62
93) 1,2,4-Trichlorobenzene	13.51	180	394	0.251	ug/l #	86
95) Naphthalene	13.76	128	2100	2.020	ug/l #	70

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027256.D

Acq: 28 Sep 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

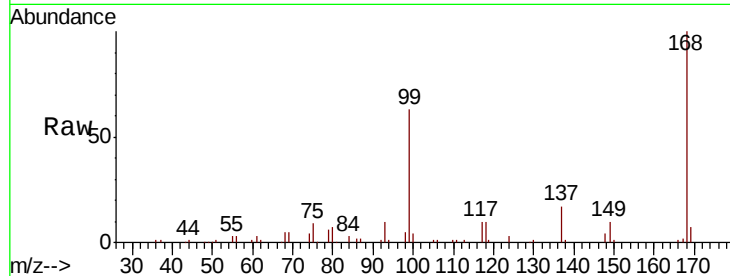
VU0928WBL02

Tot Ion:168 Resp: 104257

Ion Ratio Lower Upper

168 100

99 62.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

4.98

50000

40000

30000

20000

10000

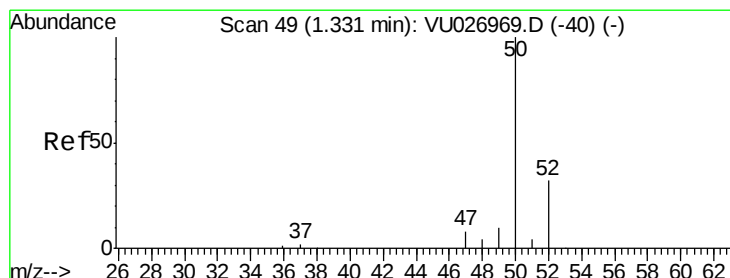
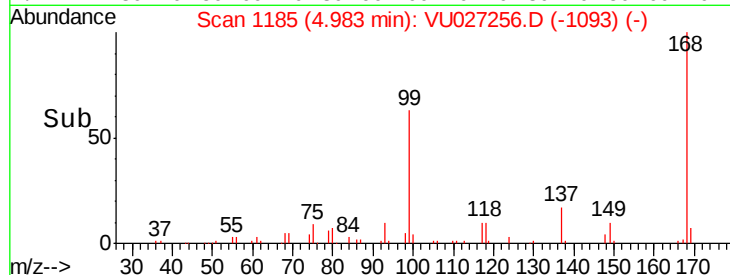
0

4.90

5.00

5.10

Time-->



#3

Chloromethane

Concen: 0.288 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027256.D

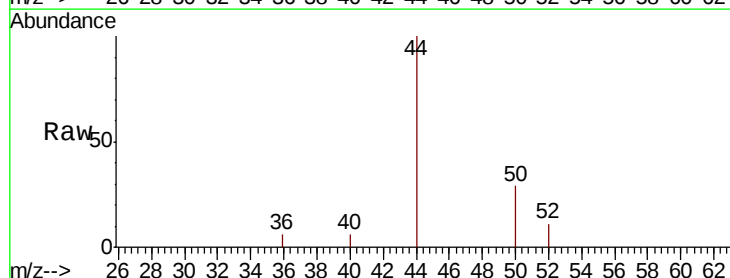
Acq: 28 Sep 2018 09:10

Tgt Ion: 50 Resp: 676

Ion Ratio Lower Upper

50 100

52 39.4 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

600

400

200

0

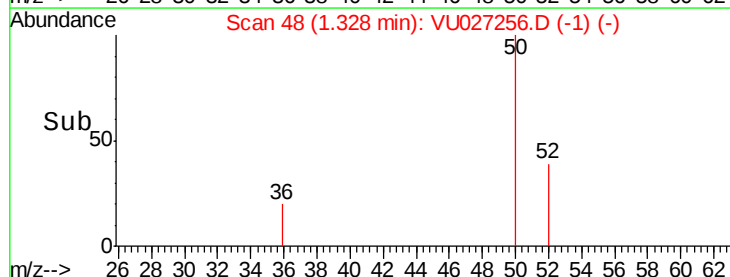
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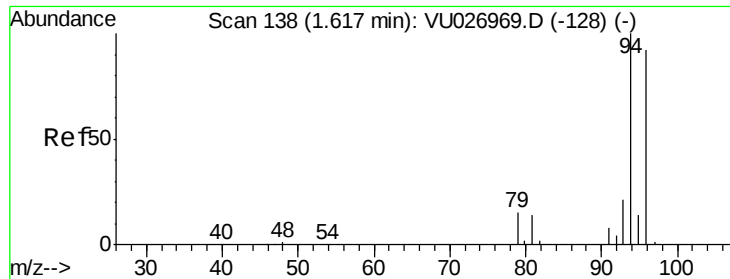
1.32

1.34

1.36

Time-->





#5

Bromomethane

Concen: 0.994 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU027256.D

Acq: 28 Sep 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

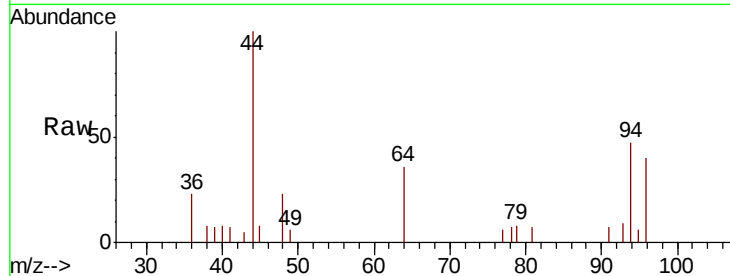
VU0928WBL02

Tot Ion: 94 Resp: 1240

Ion Ratio Lower Upper

94 100

96 84.3 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1000

800

600

400

200

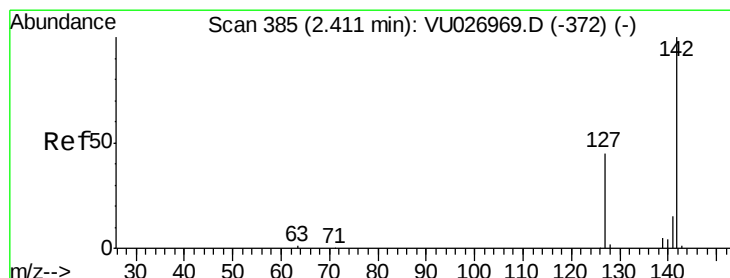
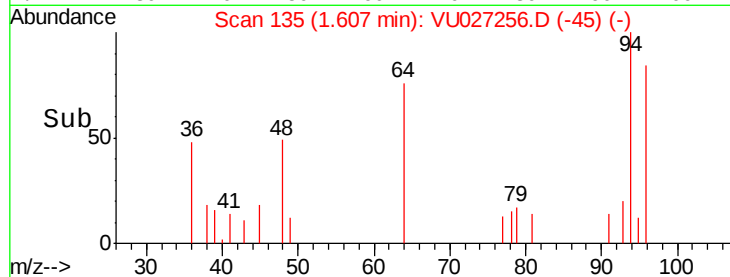
0

1.61

1.60

1.65

Time-->



#10

Methyl Iodide

Concen: 0.217 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU027256.D

Acq: 28 Sep 2018 09:10

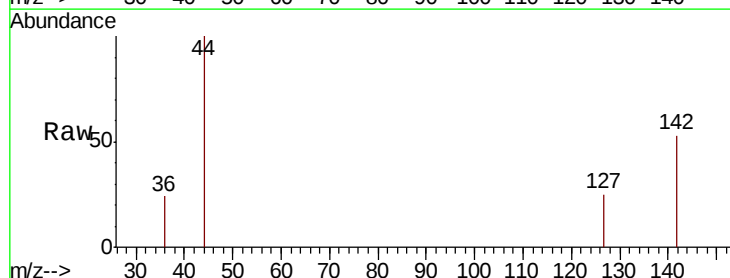
Tgt Ion: 142 Resp: 412

Ion Ratio Lower Upper

142 100

127 17.2 36.7 55.1#

141 0.0 11.8 17.6#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

400

300

200

100

0

2.41

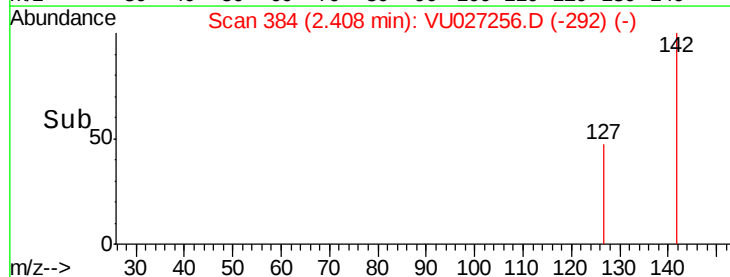
2.38

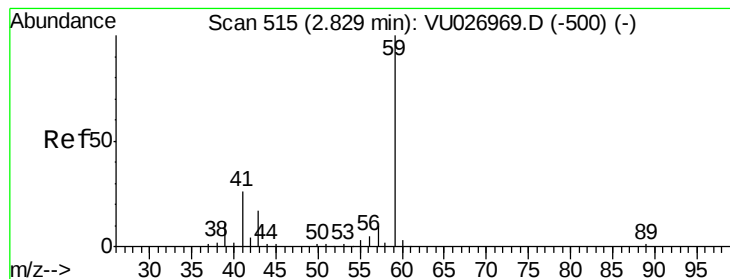
2.40

2.42

2.44

Time-->



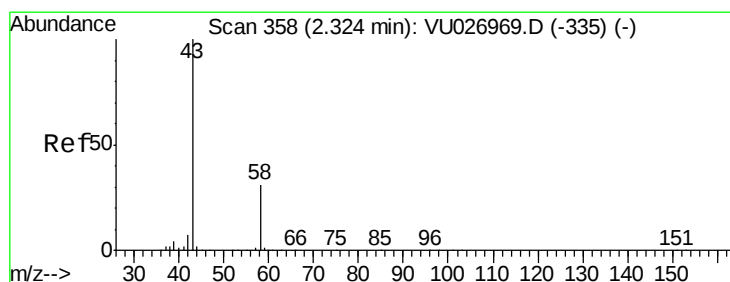
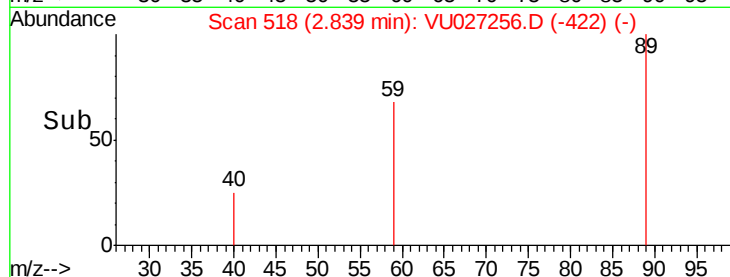
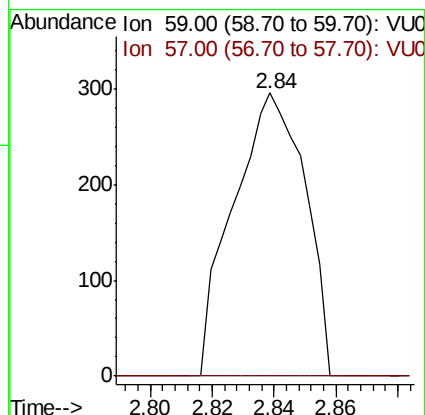
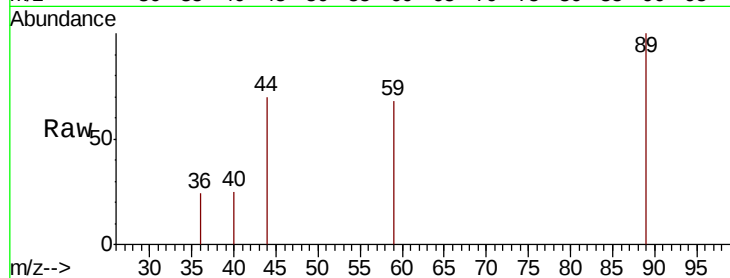


#11

Tert butyl alcohol
 Concen: 0.992 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU027256.D
 Acq: 28 Sep 2018 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBL02

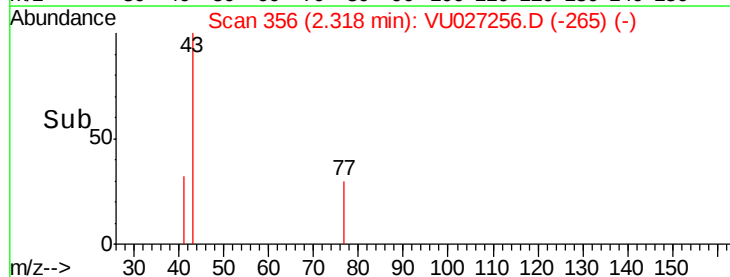
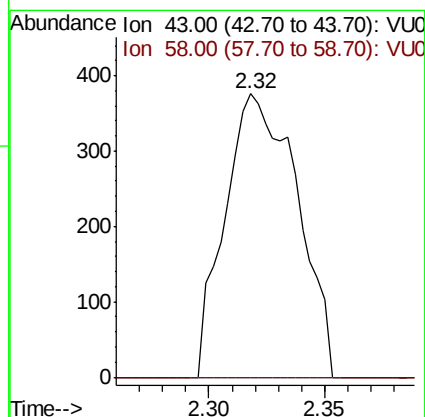
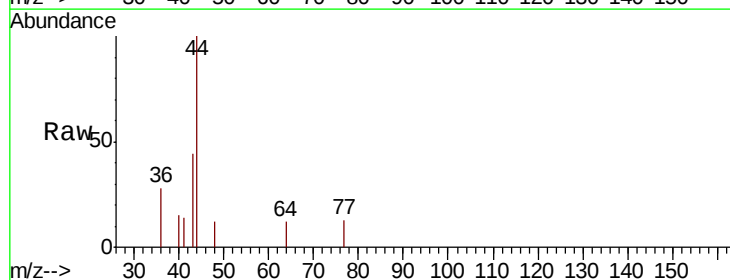
Tot Ion: 59 Resp: 477
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

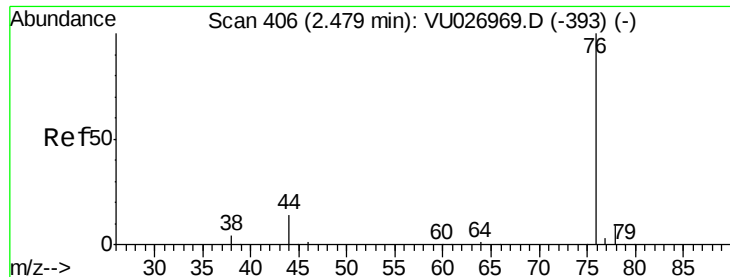


#16

Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VU027256.D
 Acq: 28 Sep 2018 09:10

Tgt Ion: 43 Resp: 811
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.6 36.8#

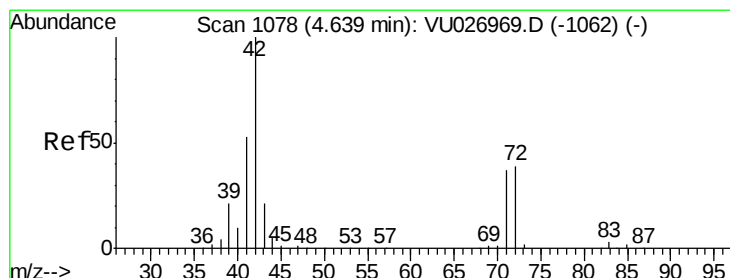
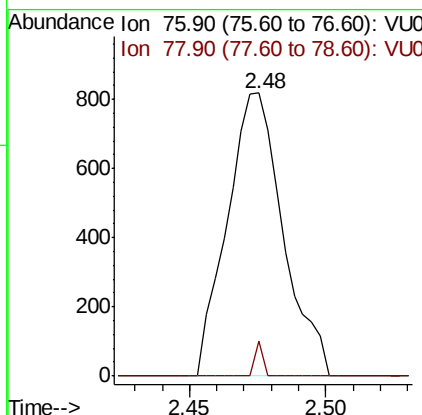
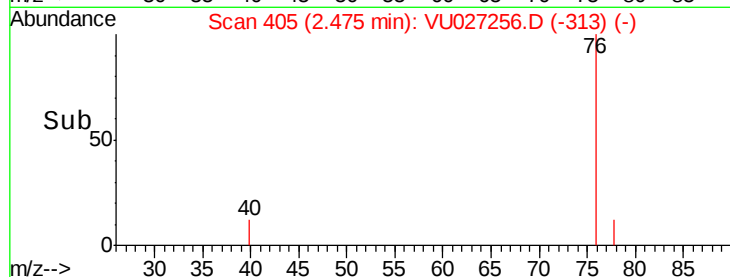
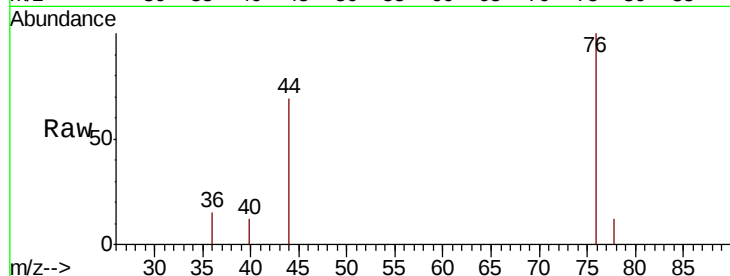




#17
Carbon Disulfide
Concen: 0.248 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027256.D
Acq: 28 Sep 2018 09:10

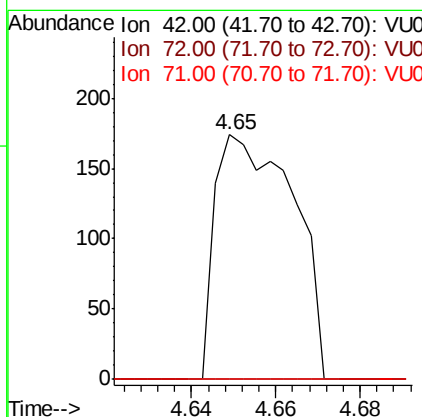
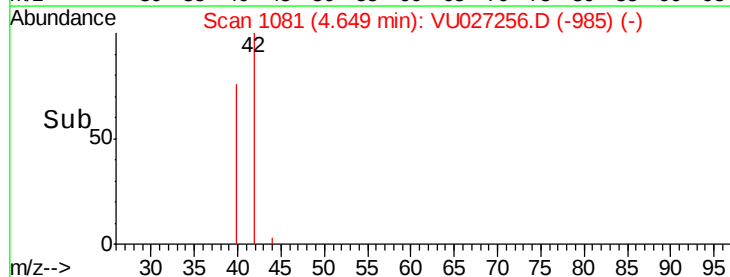
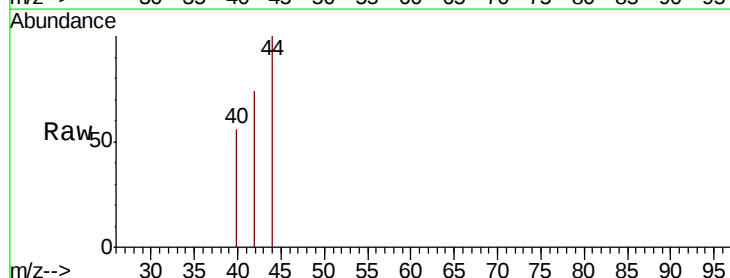
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL02

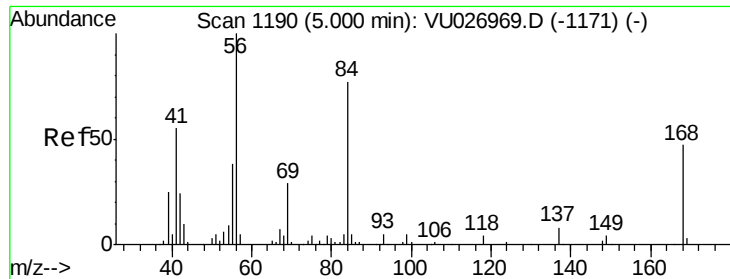
Tot Ion: 76 Resp: 1163
Ion Ratio Lower Upper
76 100
78 12.3 7.1 10.7#



#29
Tetrahydrofuran
Concen: 0.210 ug/l
RT: 4.65 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VU027256.D
Acq: 28 Sep 2018 09:10

Tgt Ion: 42 Resp: 224
Ion Ratio Lower Upper
42 100
72 0.0 31.7 47.5#
71 0.0 29.6 44.4#

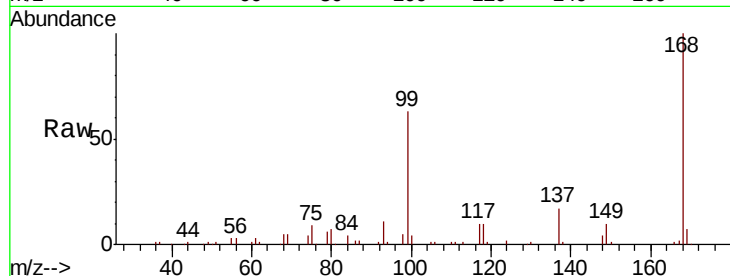




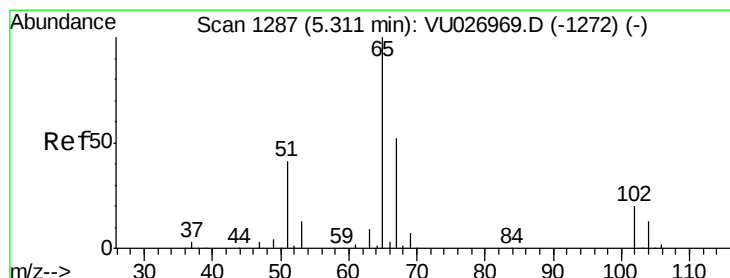
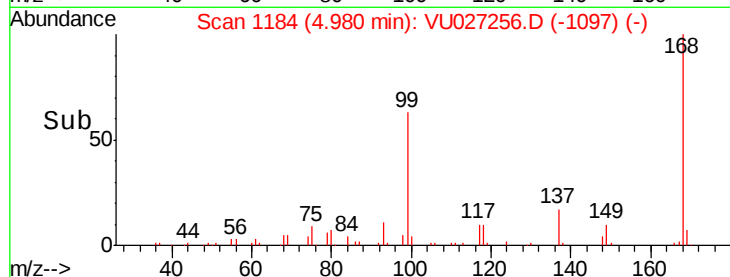
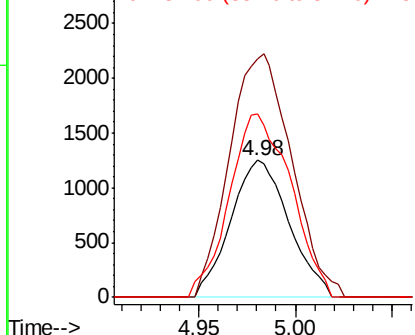
#31
Cyclohexane
Concen: 0.264 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU027256.D
Acq: 28 Sep 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL02

Tot Ion: 56 Resp: 2616
Ion Ratio Lower Upper
56 100
69 174.4 23.0 34.4#
84 134.4 61.4 92.2#

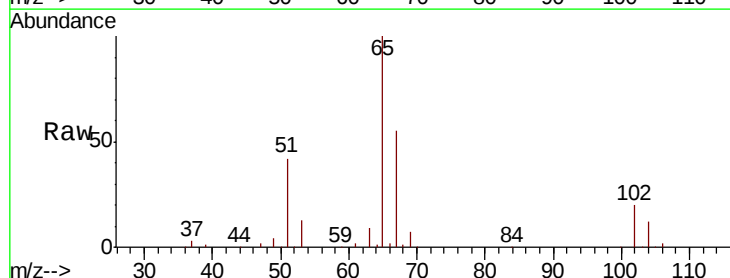


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

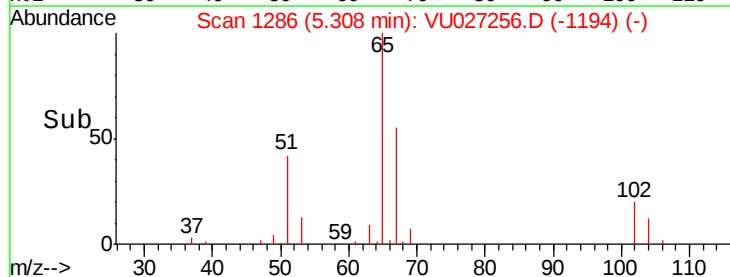
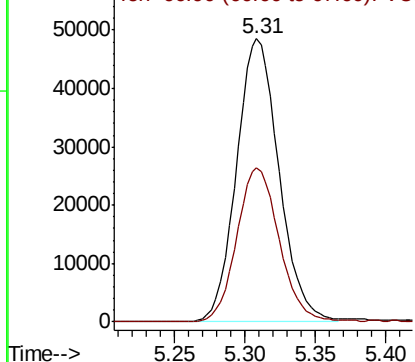


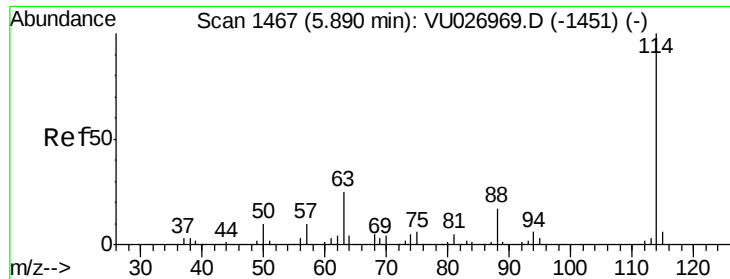
#33
1,2-Dichloroethane-d4
Concen: 48.702 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU027256.D
Acq: 28 Sep 2018 09:10

Tgt Ion: 65 Resp: 102193
Ion Ratio Lower Upper
65 100
67 54.3 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

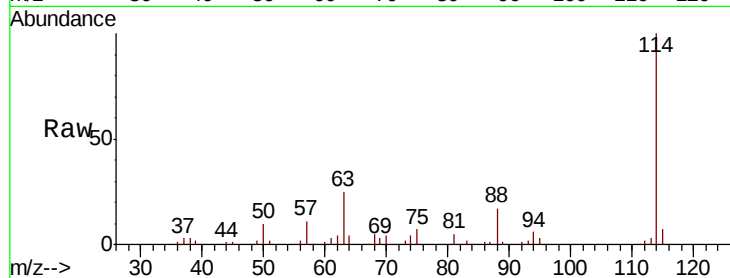




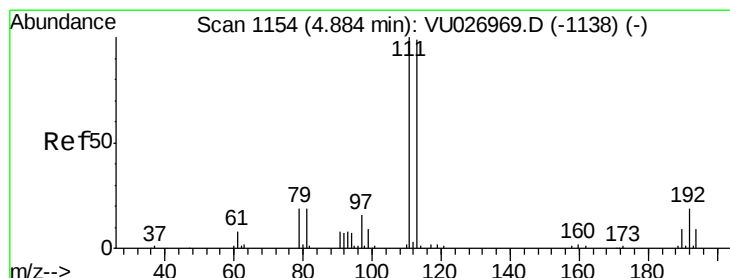
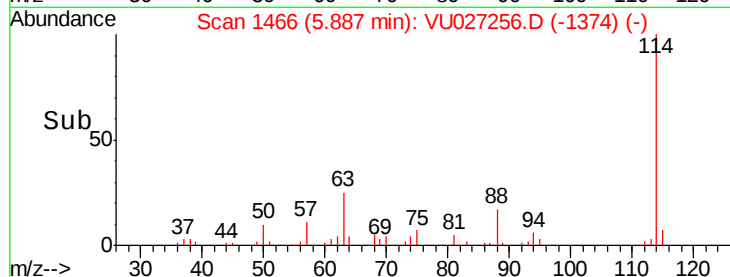
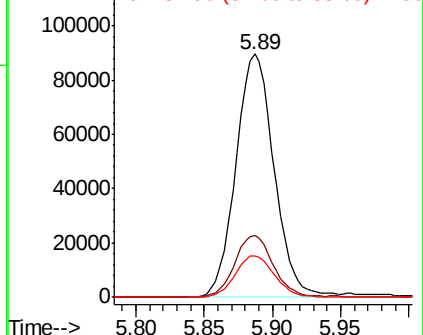
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027256.D
 Acq: 28 Sep 2018 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBL02

Tot Ion:114 Resp: 174650
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 17.1 0.0 33.8

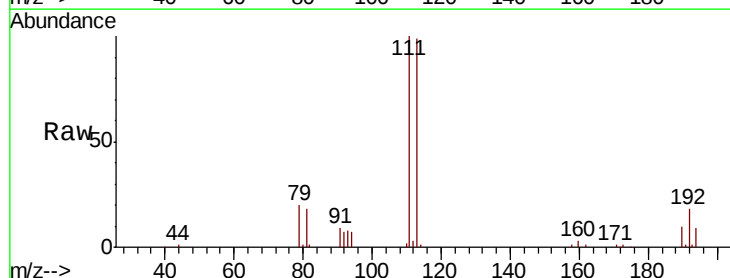


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

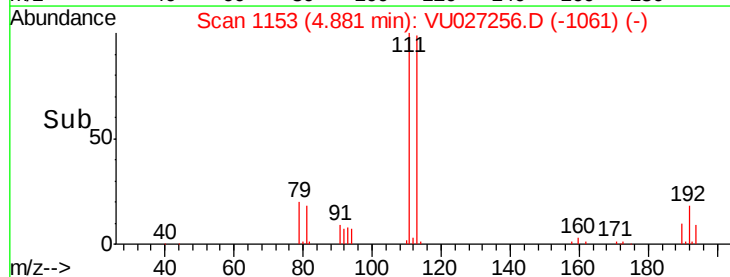
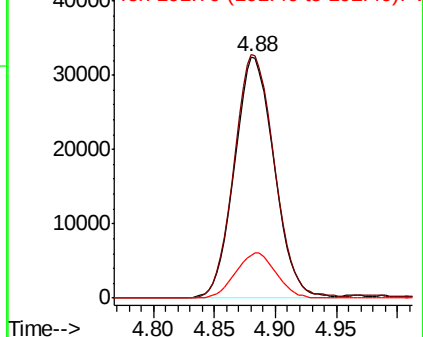


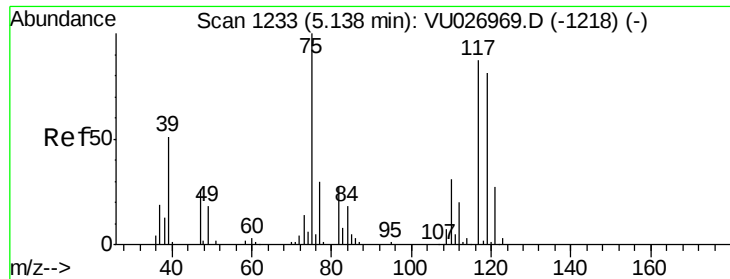
#35
 Dibromofluoromethane
 Concen: 48.401 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU027256.D
 Acq: 28 Sep 2018 09:10

Tgt Ion:113 Resp: 73273
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 19.0 15.2 22.8



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

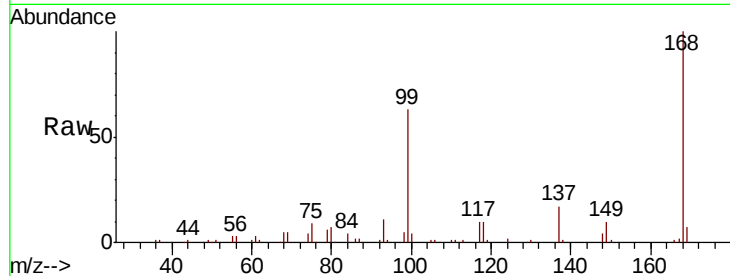




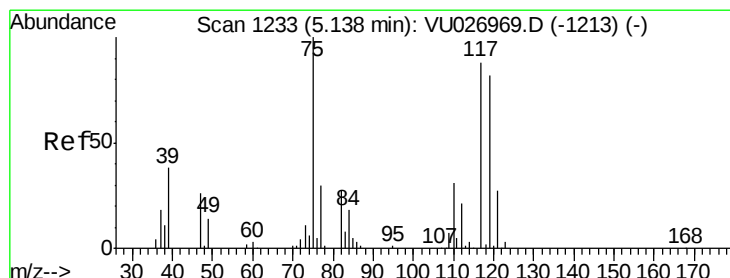
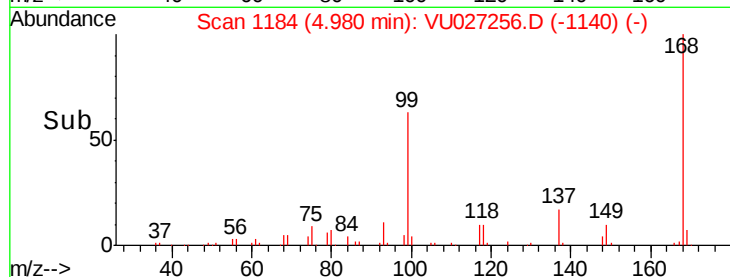
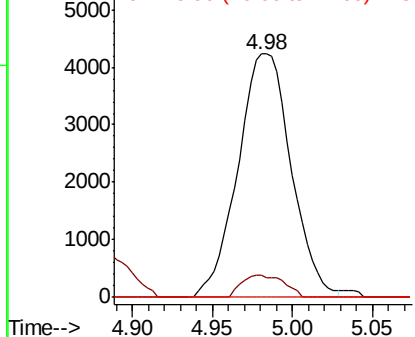
#36
 1,1-Dichloropropene
 Concen: 4.148 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU027256.D
 Acq: 28 Sep 2018 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBL02

Tot Ion	75	Resp	9668
Ion Ratio	Lower	Upper	
75	100		
110	7.3	16.1	48.2#
77	0.0	24.6	36.8#

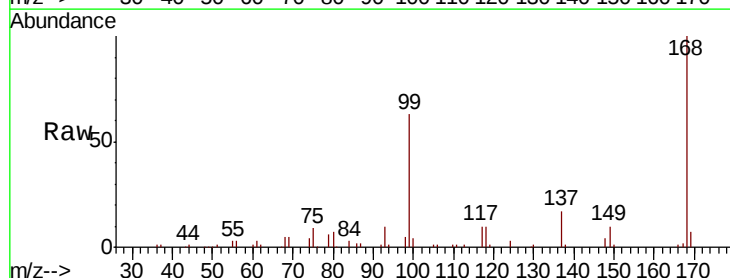


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

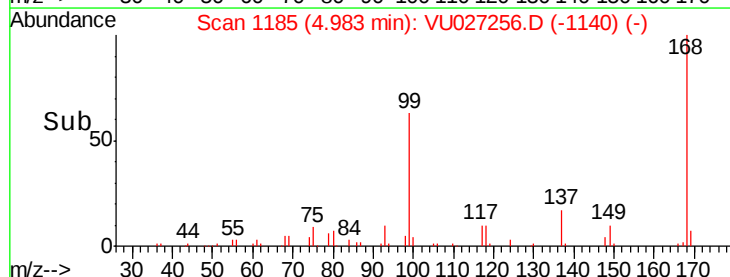
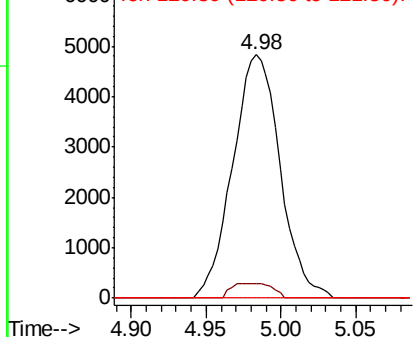


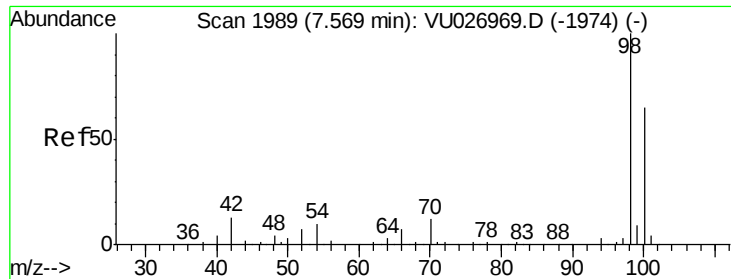
#38
 Carbon Tetrachloride
 Concen: 4.803 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027256.D
 Acq: 28 Sep 2018 09:10

Tgt Ion	117	Resp	10654
Ion Ratio	Lower	Upper	
117	100		
119	6.1	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

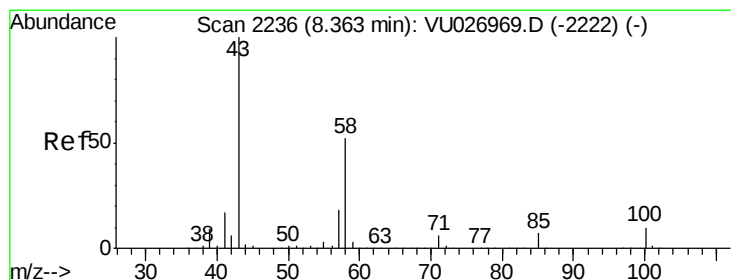
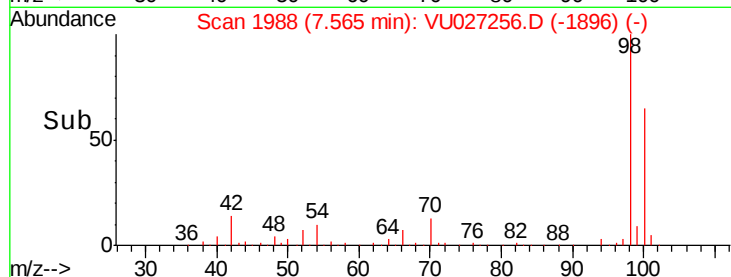
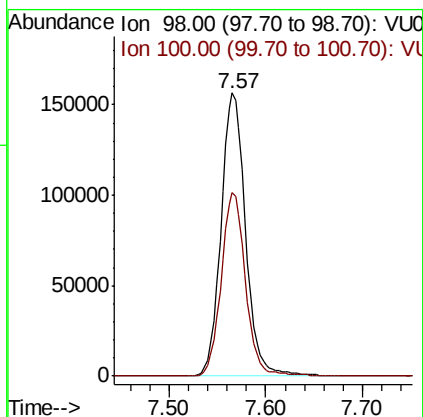
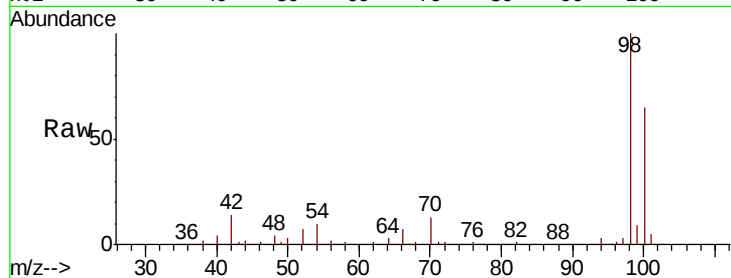




#50
Toluene-d8
Concen: 47.662 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027256.D
Acq: 28 Sep 2018 09:10

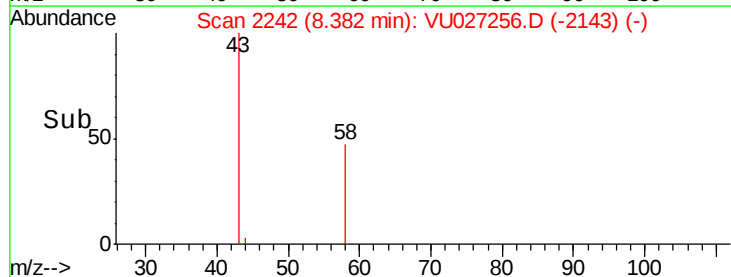
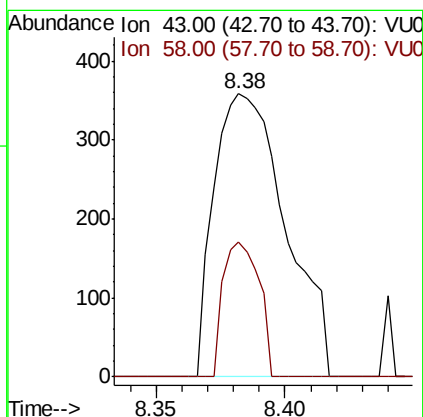
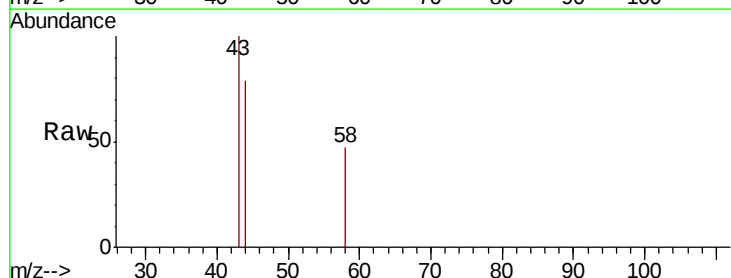
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL02

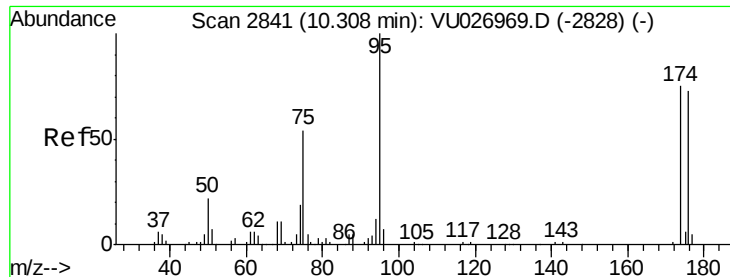
Tot Ion: 98 Resp: 274981
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#59
2-Hexanone
Concen: 0.286 ug/l
RT: 8.38 min Scan# 2242
Delta R.T. 0.02 min
Lab File: VU027256.D
Acq: 28 Sep 2018 09:10

Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
58 23.6 26.1 78.2#

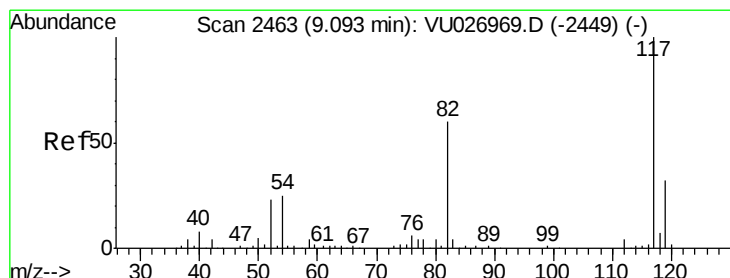
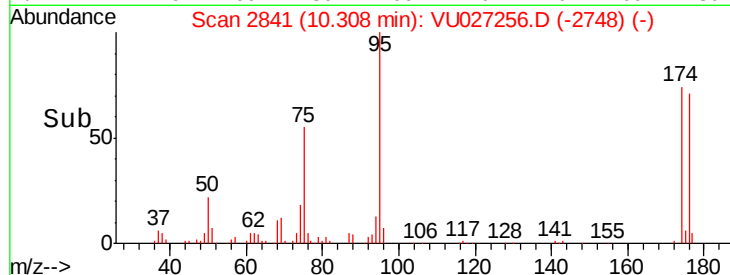
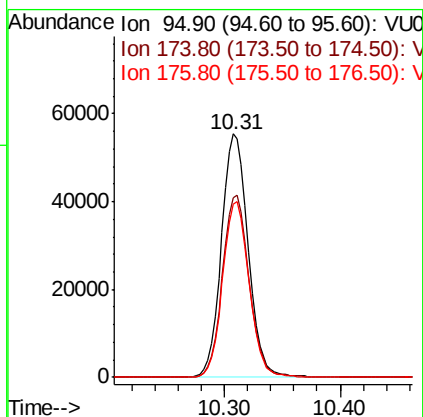
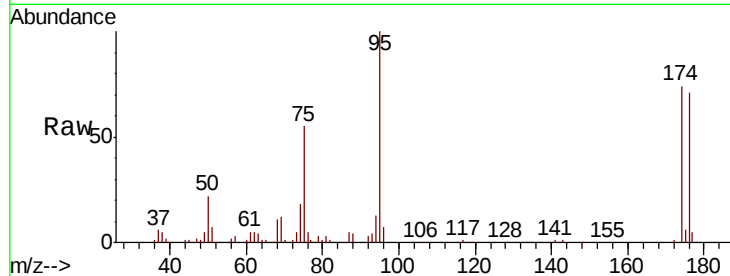




#62
4-Bromofluorobenzene
Concen: 44.562 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027256.D
Acq: 28 Sep 2018 09:10

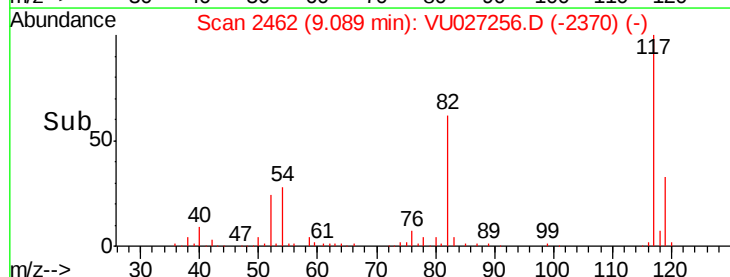
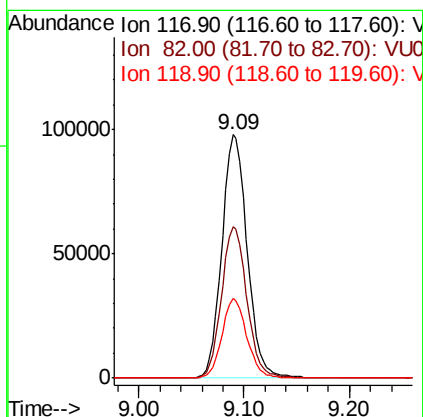
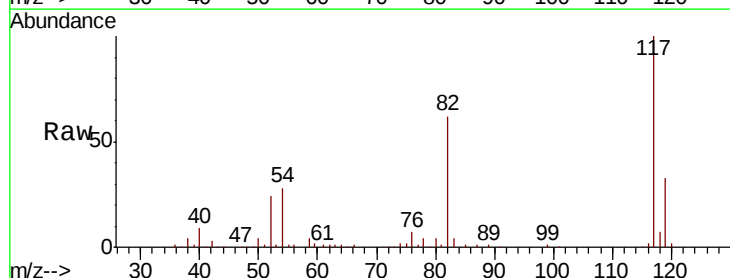
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL02

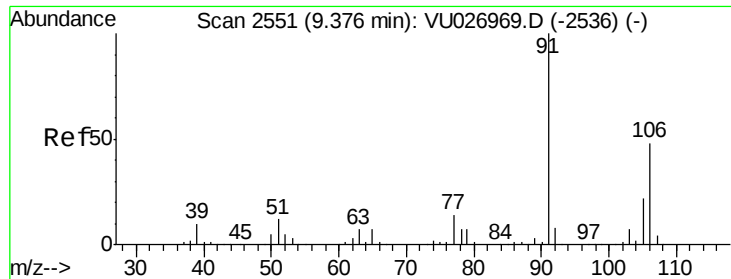
Tot Ion: 95 Resp: 88218
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.2
176 71.5 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027256.D
Acq: 28 Sep 2018 09:10

Tgt Ion: 117 Resp: 163025
Ion Ratio Lower Upper
117 100
82 62.3 48.0 72.0
119 32.5 25.8 38.8

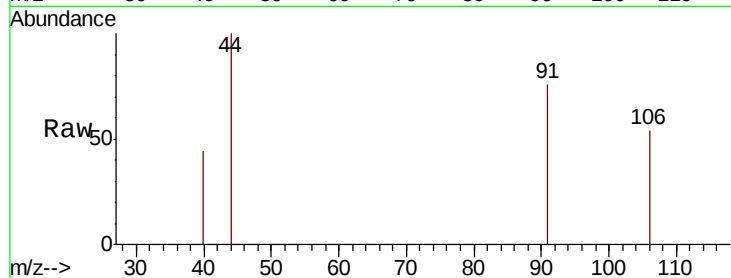




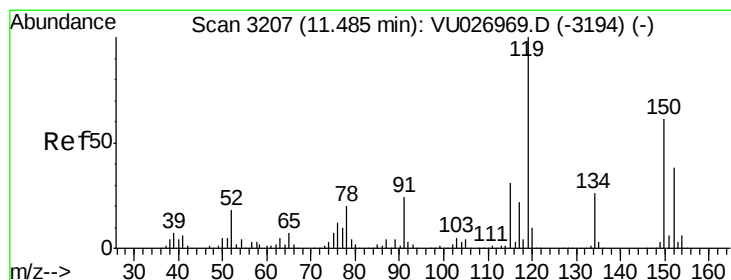
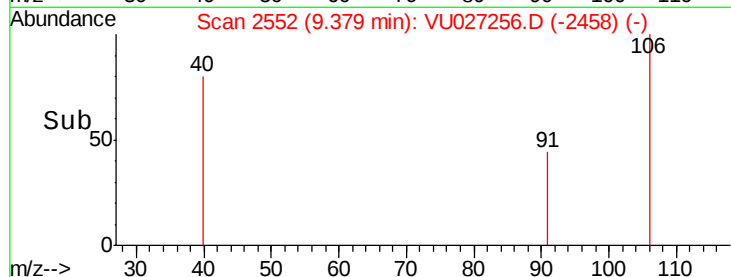
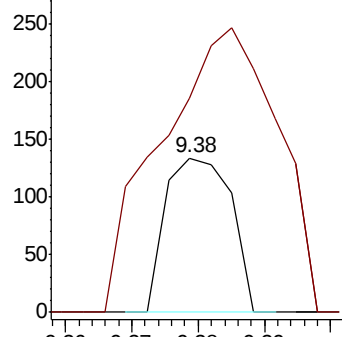
#68
m/p-Xvlenes
Concen: 1.532 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027256.D
Acq: 28 Sep 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL02

Tot Ion:106 Resp: 92
Ion Ratio Lower Upper
106 100
91 328.3 166.5 249.7#

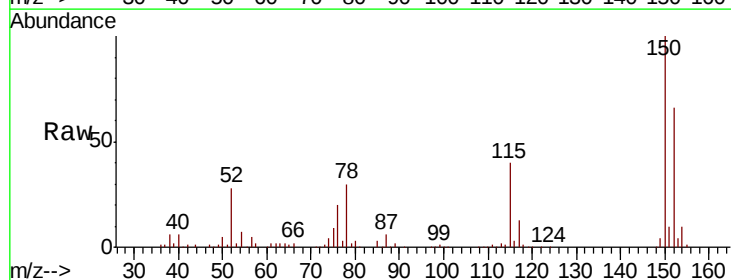


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

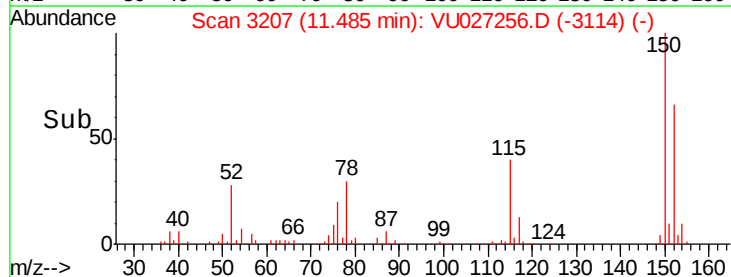
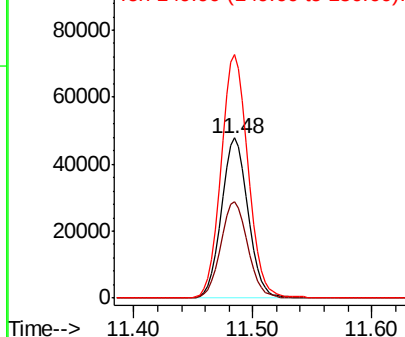


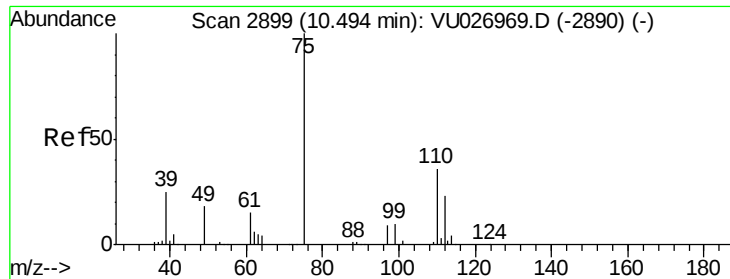
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027256.D
Acq: 28 Sep 2018 09:10

Tgt Ion:152 Resp: 74068
Ion Ratio Lower Upper
152 100
115 61.1 44.9 134.5
150 154.6 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: 21.362 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027256.D

Acq: 28 Sep 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

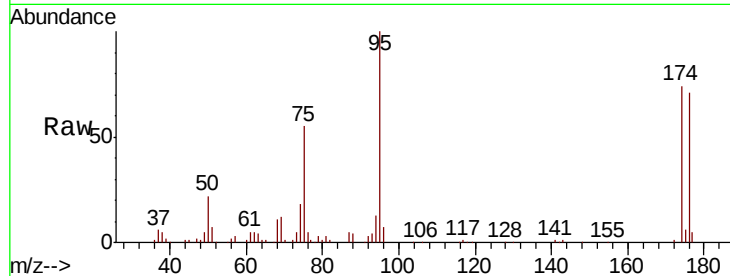
VU0928WBL02

Tot Ion: 75 Resp: 48068

Ion Ratio Lower Upper

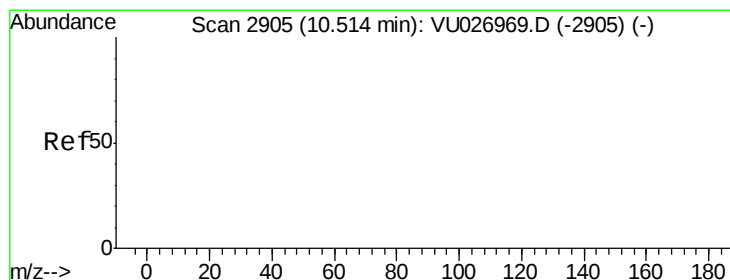
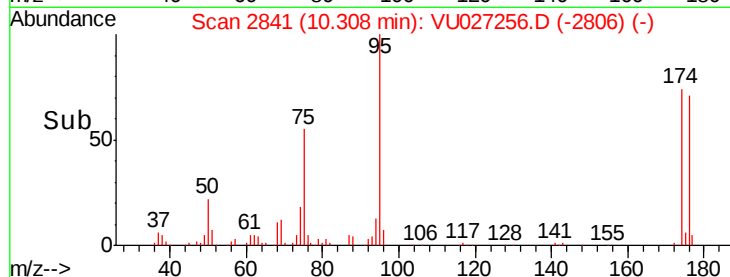
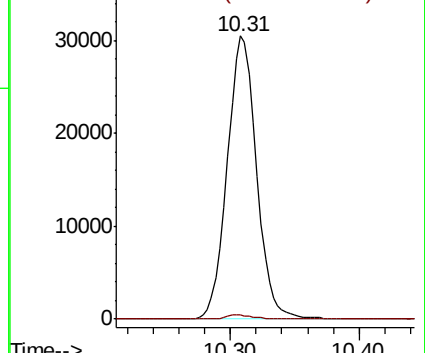
75 100

77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 68.362 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027256.D

Acq: 28 Sep 2018 09:10

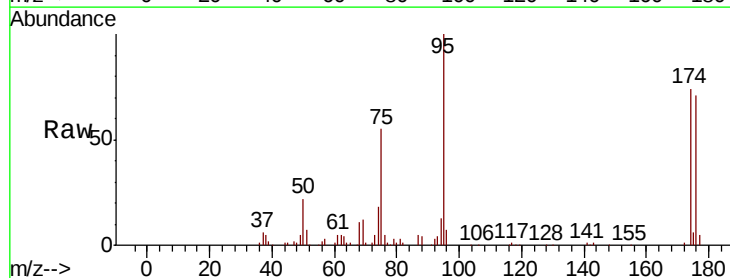
Tgt Ion: 75 Resp: 48068

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

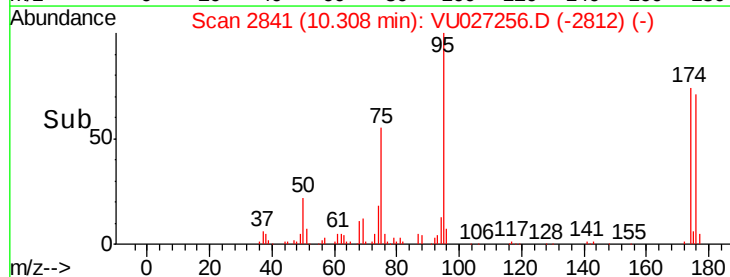
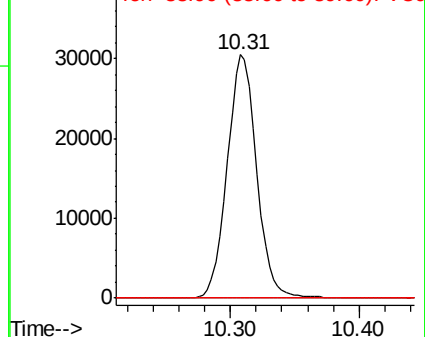
89 0.0 0.0 0.0

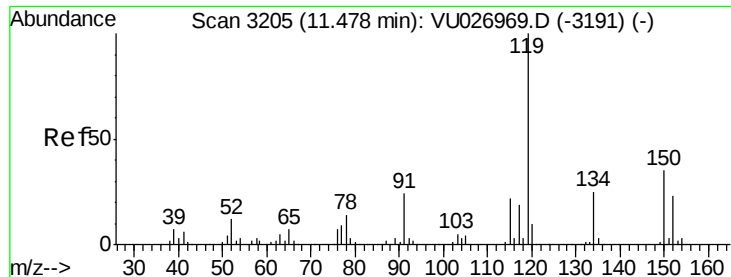


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

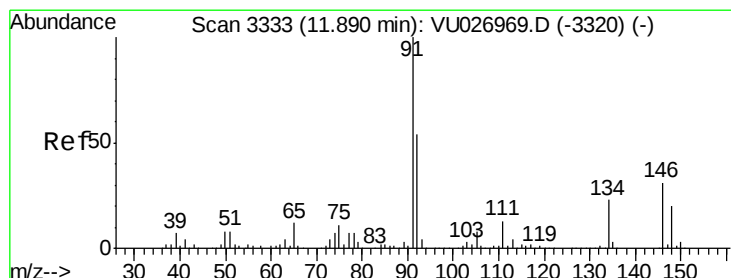
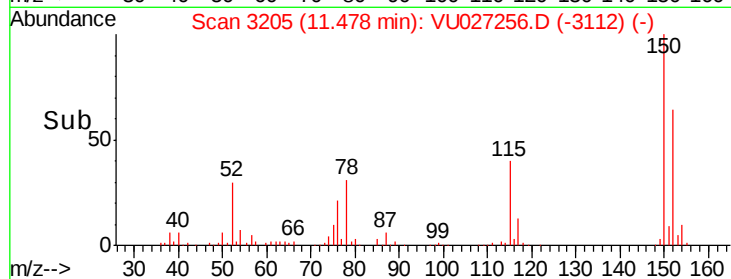
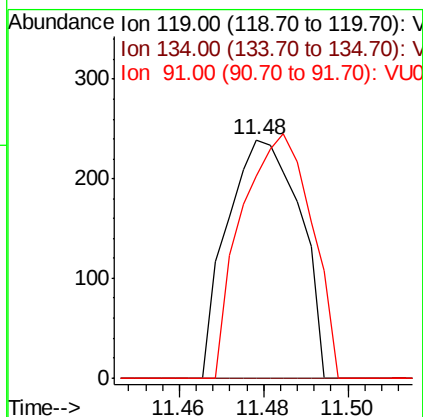
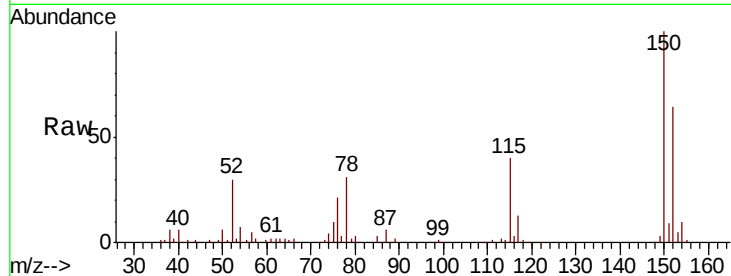




#86
p-Isopropyltoluene
Concen: 0.981 ug/l
RT: 11.48 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VU027256.D
Acq: 28 Sep 2018 09:10

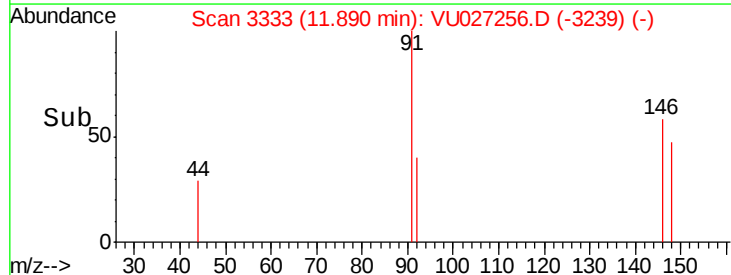
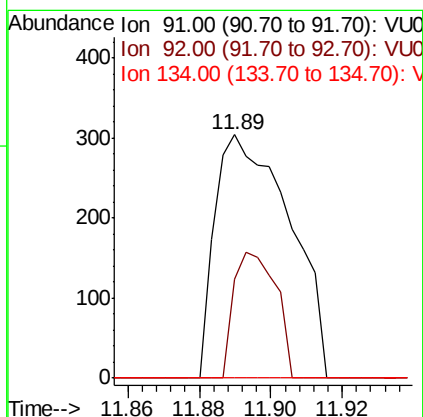
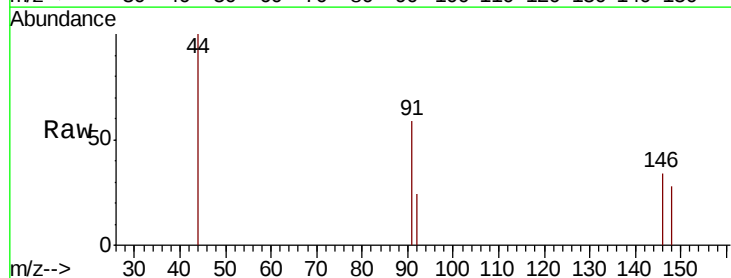
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL02

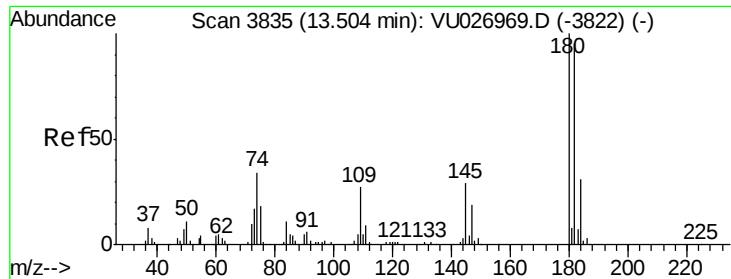
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.8	38.3#
91	98.6	12.3	36.8#



#89
n-Butylbenzene
Concen: 2.474 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027256.D
Acq: 28 Sep 2018 09:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	29.4	27.1	81.2
134	0.0	11.7	35.0#

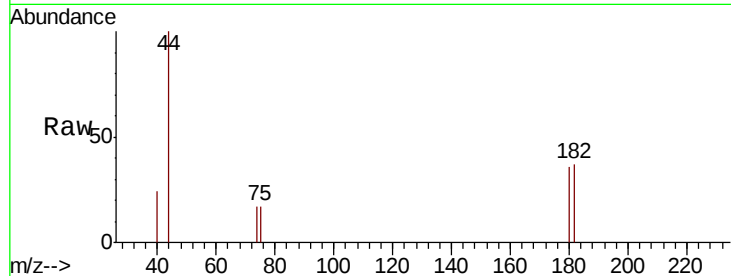




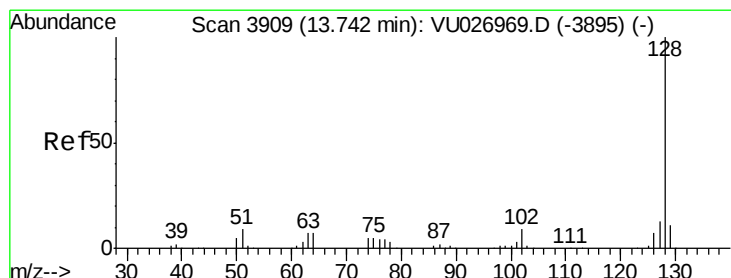
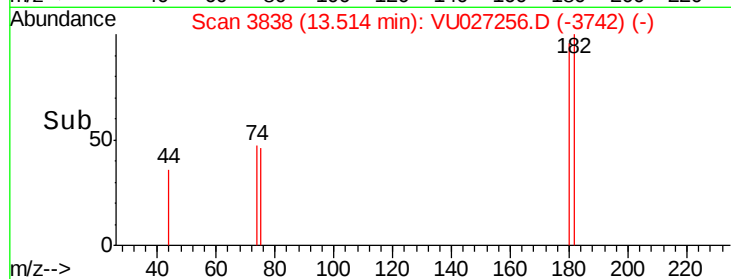
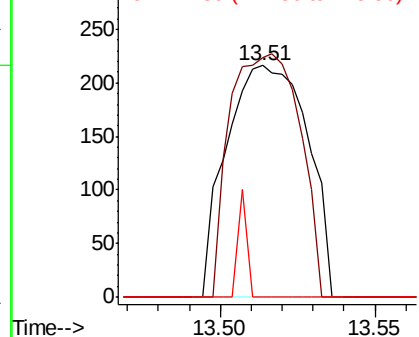
#93
 1,2,4-Trichlorobenzene
 Concen: 0.251 ug/l
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU027256.D
 Acq: 28 Sep 2018 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	47.4	142.2
145	4.8	14.9	44.5#

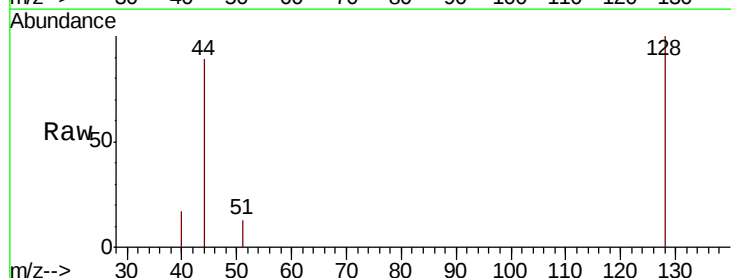


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 2.020 ug/l
 RT: 13.76 min Scan# 3914
 Delta R.T. 0.02 min
 Lab File: VU027256.D
 Acq: 28 Sep 2018 09:10

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	1.0	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

