

Data File : VU029236.D
Acq On : 21 Jan 2019 10:01
Operator : JC/SP
Sample : VU0121WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBL01

Quant Time: Jan 22 01:03:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	116334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	198351	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73839	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	75184	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
35) Dibromofluoromethane	4.88	113	67042	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	7.56	98	253768	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	10.30	95	79941	43.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.64%	

Target Compounds

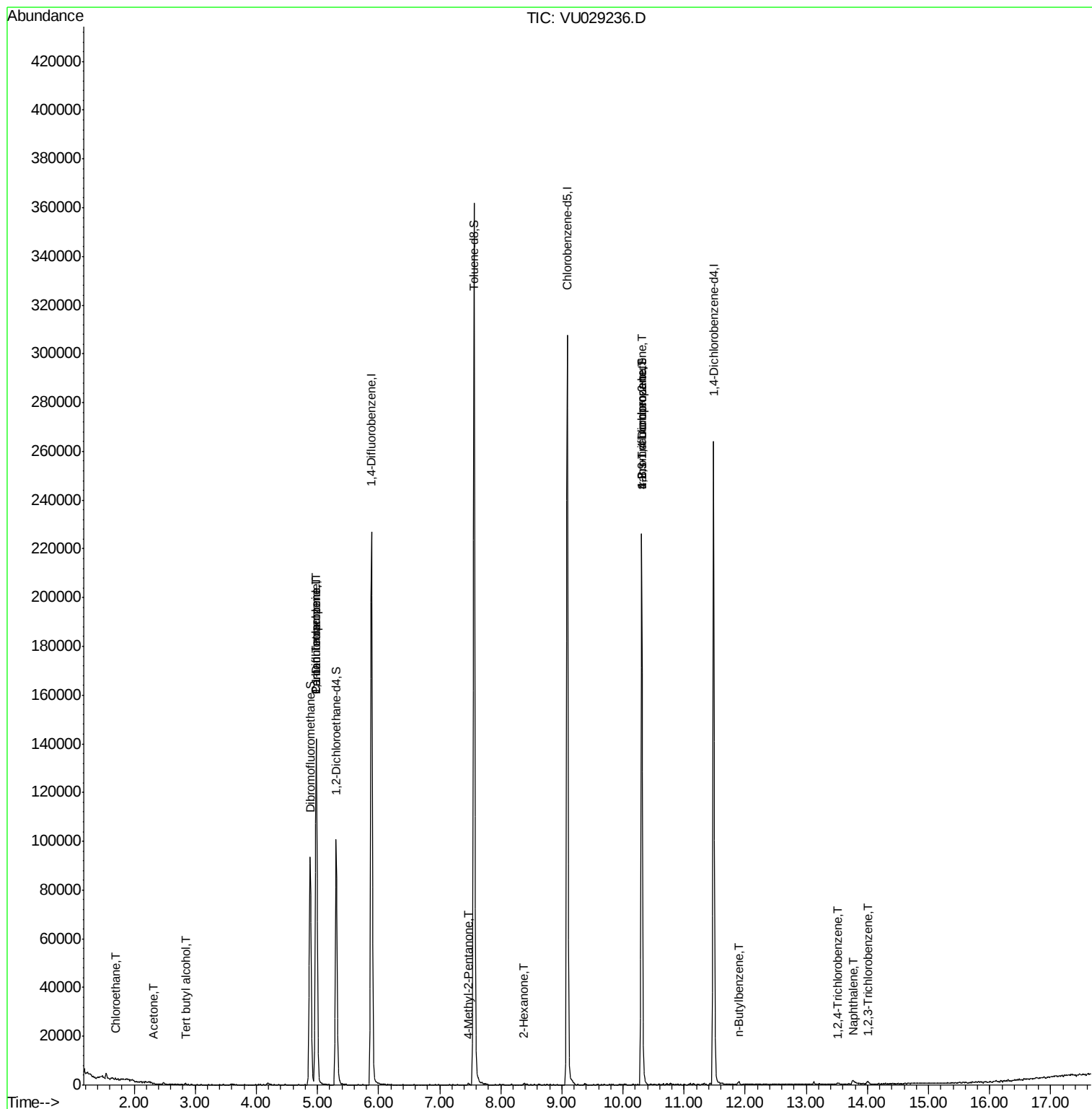
						Qvalue
3) Chloromethane	1.33	50	633	Below Cal		95
5) Bromomethane	1.63	94	124	Below Cal	#	2
6) Chloroethane	1.69	64	351	0.347	ug/l #	43
11) Tert butyl alcohol	2.84	59	267	0.730	ug/l #	73
16) Acetone	2.32	43	290	0.320	ug/l #	39
17) Carbon Disulfide	2.48	76	803	Below Cal	#	76
31) Cyclohexane	4.98	56	1983	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8411	4.242	ug/l #	46
38) Carbon Tetrachloride	4.98	117	10322	6.242	ug/l #	17
51) 4-Methyl-2-Pentanone	7.47	43	774	0.341	ug/l #	58
59) 2-Hexanone	8.38	43	916	0.514	ug/l #	43
76) 1,2,3-Trichloropropane	10.30	75	37698	20.837	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	37698	53.740	ug/l #	100
89) n-Butylbenzene	11.90	91	857	0.207	ug/l #	74
93) 1,2,4-Trichlorobenzene	13.52	180	469	0.279	ug/l #	76
95) Naphthalene	13.77	128	4716	0.825	ug/l #	80
96) 1,2,3-Trichlorobenzene	14.00	180	810	1.236	ug/l #	59

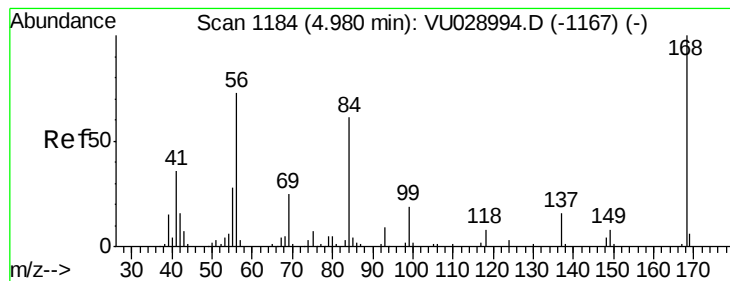
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU029236.D

Acq: 21 Jan 2019 10:01

Instrument :

MSVOA_U

ClientSampleId :

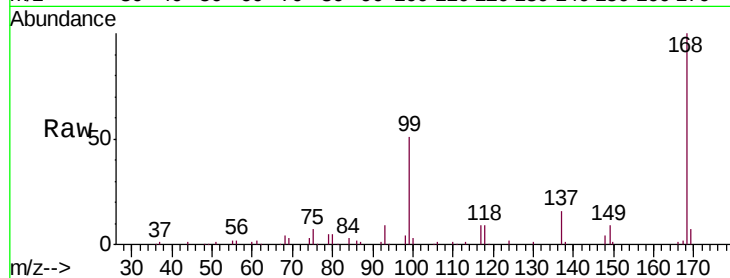
VU0121WBL01

Tgt Ion:168 Resp: 116334

Ion Ratio Lower Upper

168 100

99 50.7 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

50000

40000

30000

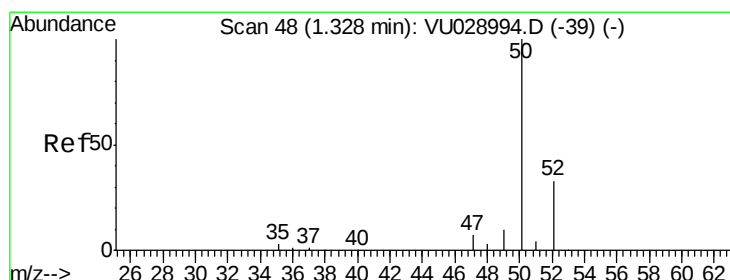
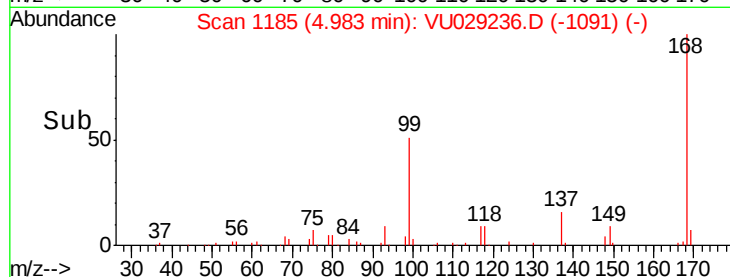
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU029236.D

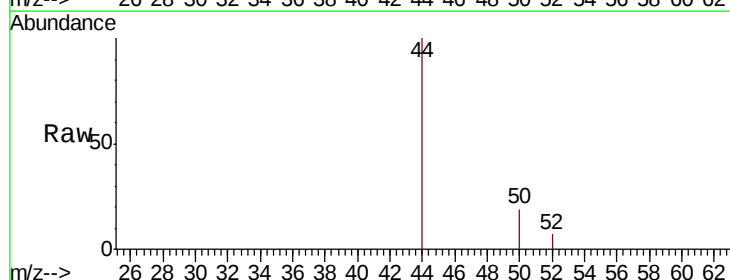
Acq: 21 Jan 2019 10:01

Tgt Ion: 50 Resp: 633

Ion Ratio Lower Upper

50 100

52 35.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028994.D (-39) (-)

Ion 51.90 (51.60 to 52.60): VU028994.D (-39) (-)

1.33

600

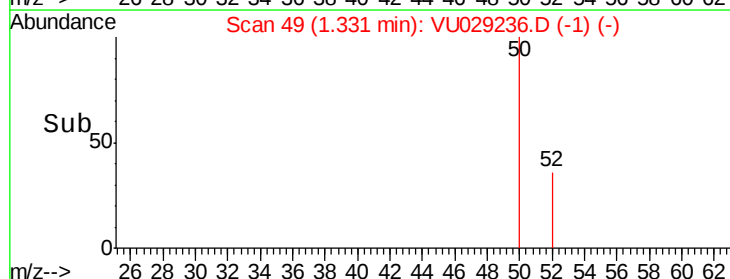
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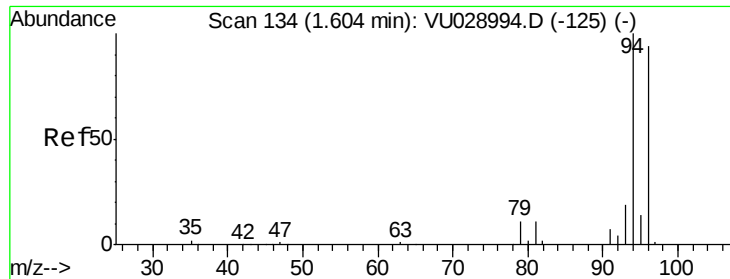
200

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 142

Delta R.T. 0.03 min

Lab File: VU029236.D

Acq: 21 Jan 2019 10:01

Instrument :

MSVOA_U

ClientSampleId :

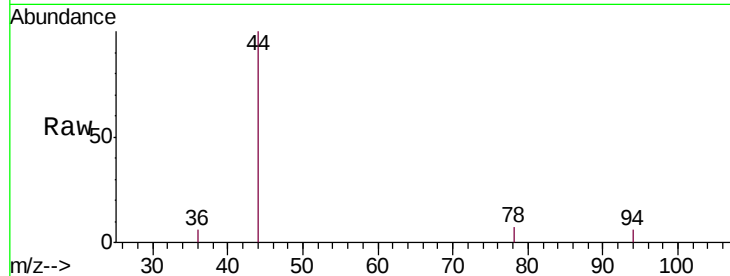
VU0121WBL01

Tgt Ion: 94 Resp: 124

Ion Ratio Lower Upper

94 100

96 0.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

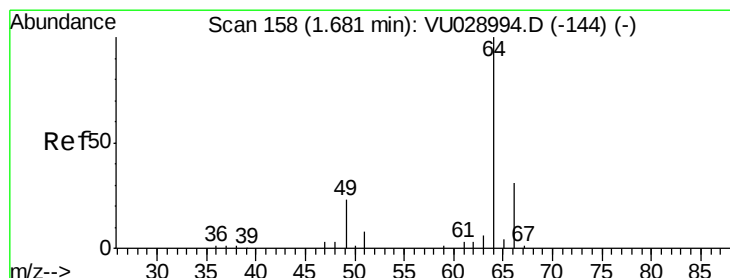
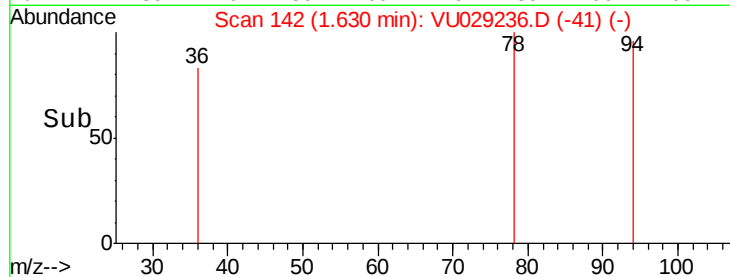
150

100

50

0

Time-->



#6

Chloroethane

Concen: 0.347 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.01 min

Lab File: VU029236.D

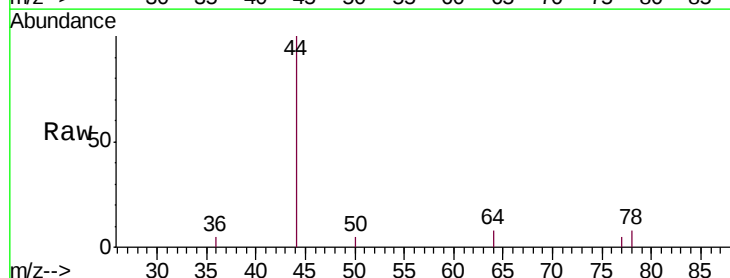
Acq: 21 Jan 2019 10:01

Tgt Ion: 64 Resp: 351

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

200

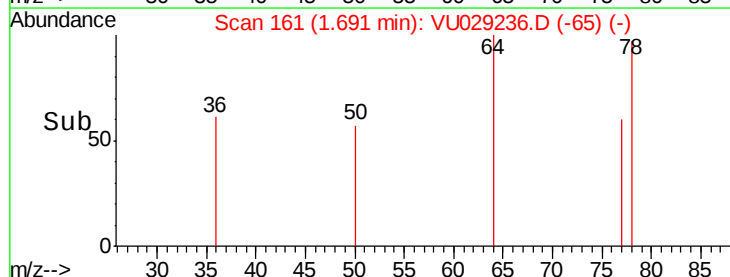
150

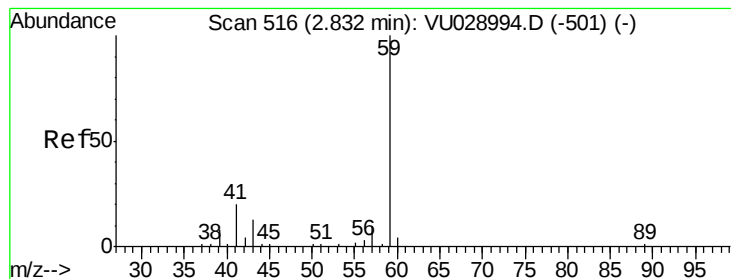
100

50

0

Time-->



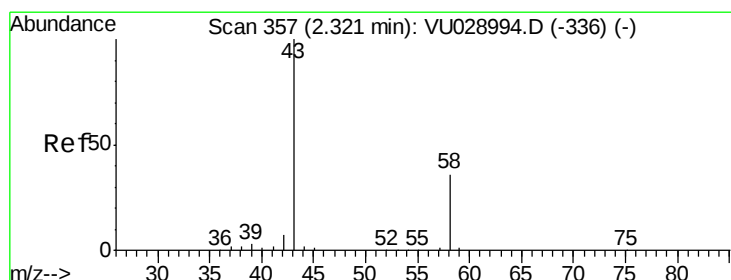
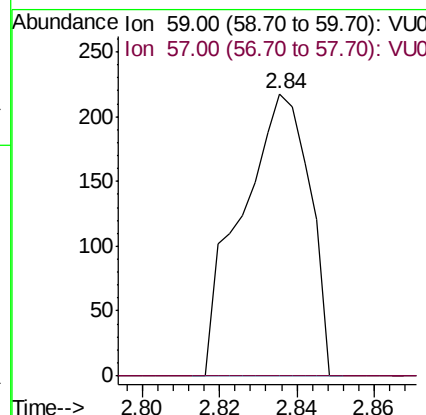
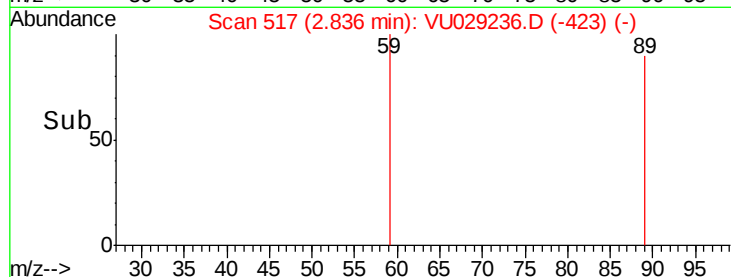
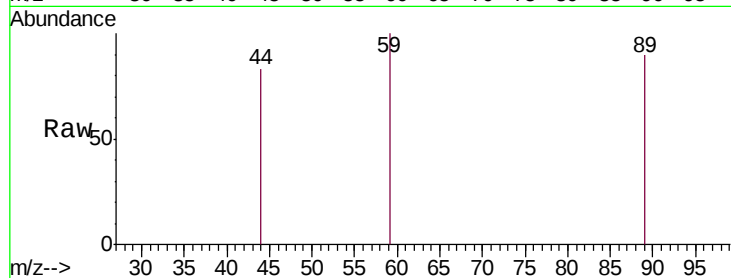


#11

Tert butyl alcohol
 Concen: 0.730 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VU029236.D
 Acq: 21 Jan 2019 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBL01

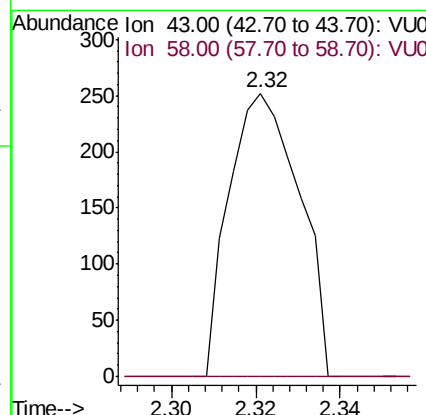
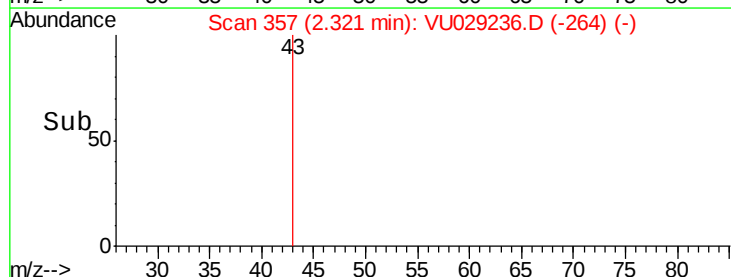
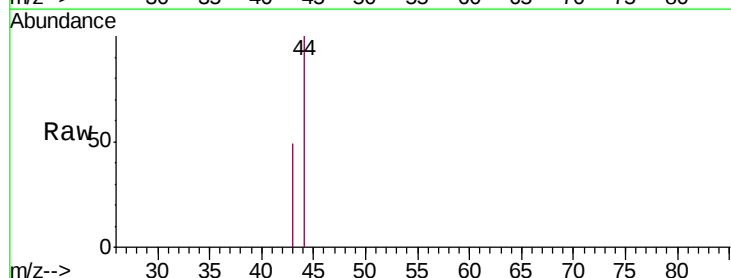
Tgt Ion: 59 Resp: 267
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

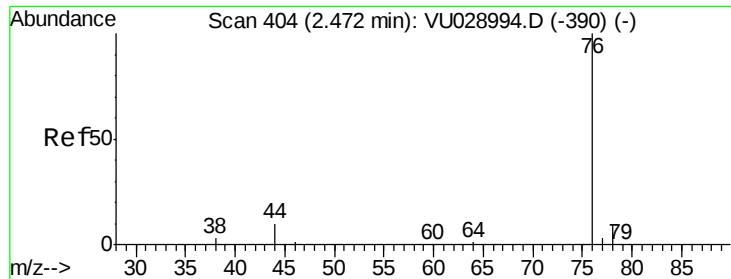


#16

Acetone
 Concen: 0.320 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU029236.D
 Acq: 21 Jan 2019 10:01

Tgt Ion: 43 Resp: 290
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.6 42.8#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU029236.D

Acq: 21 Jan 2019 10:01

Instrument :

MSVOA_U

ClientSampleId :

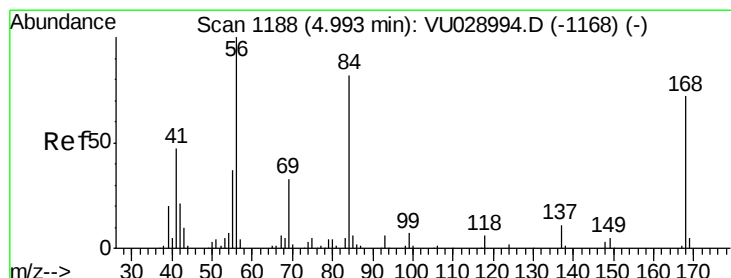
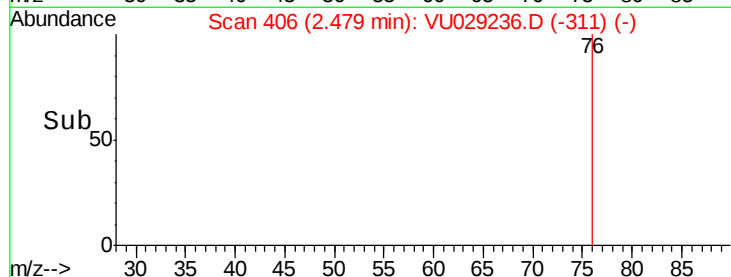
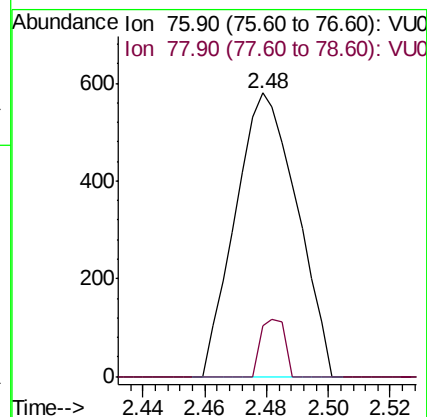
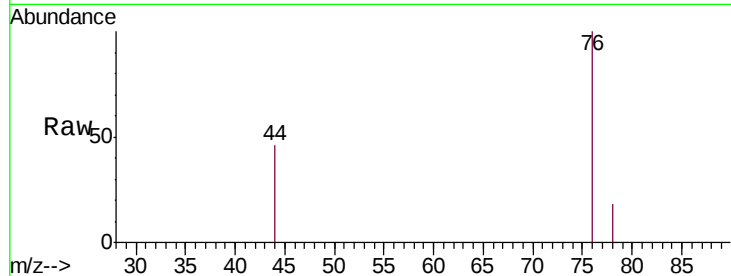
VU0121WBL01

Tgt Ion: 76 Resp: 803

Ion Ratio Lower Upper

76 100

78 17.8 7.2 10.8#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU029236.D

Acq: 21 Jan 2019 10:01

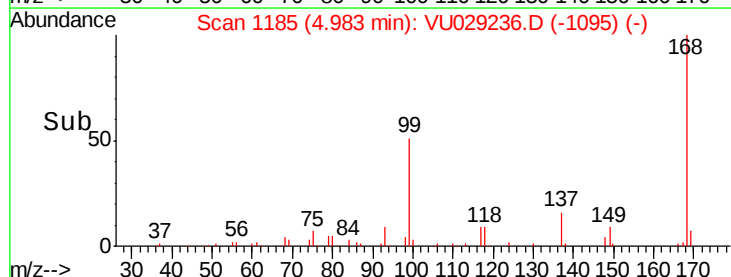
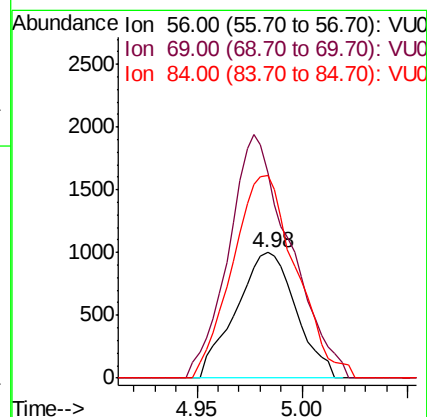
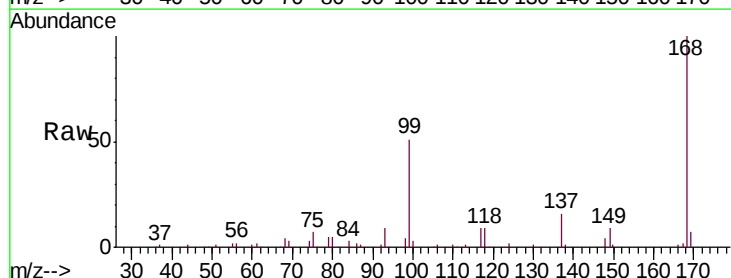
Tgt Ion: 56 Resp: 1983

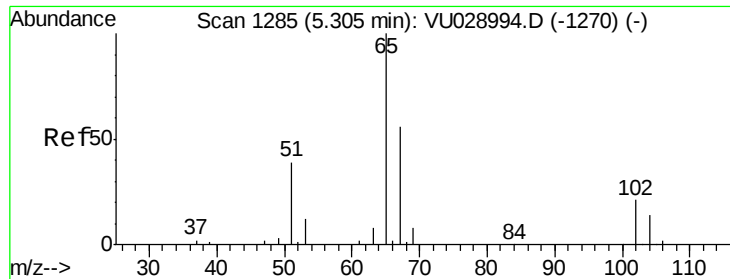
Ion Ratio Lower Upper

56 100

69 150.7 26.7 40.1#

84 160.7 65.7 98.5#

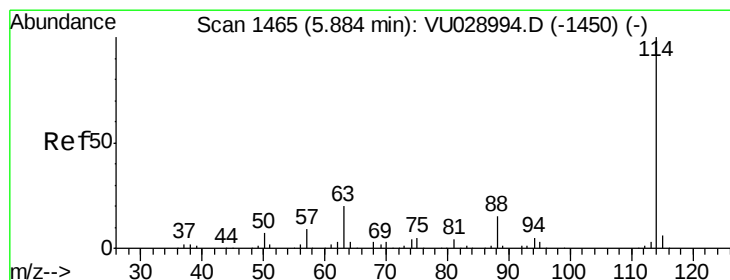
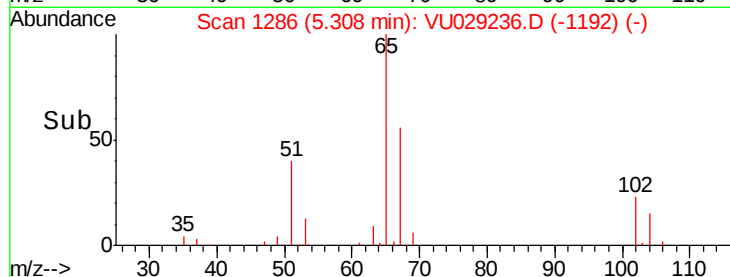
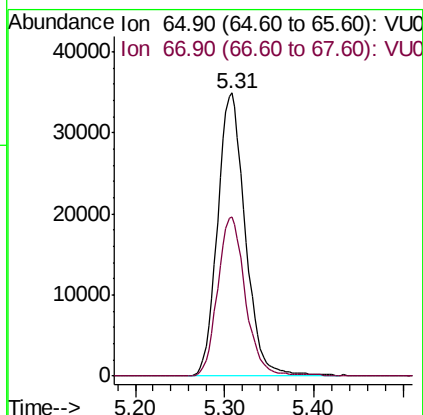
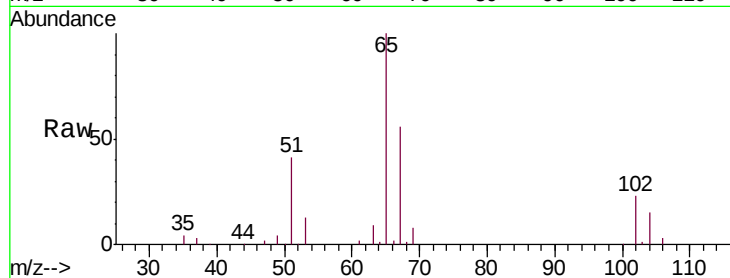




#33
 1,2-Dichloroethane-d4
 Concen: 52.279 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029236.D
 Acq: 21 Jan 2019 10:01

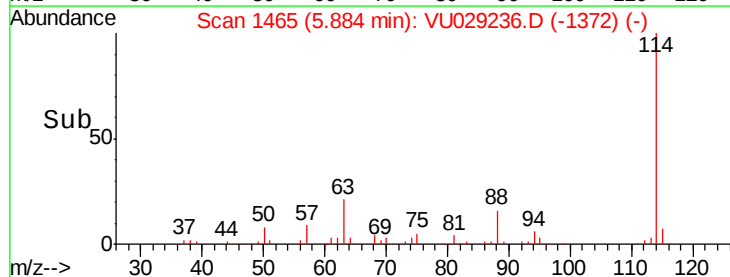
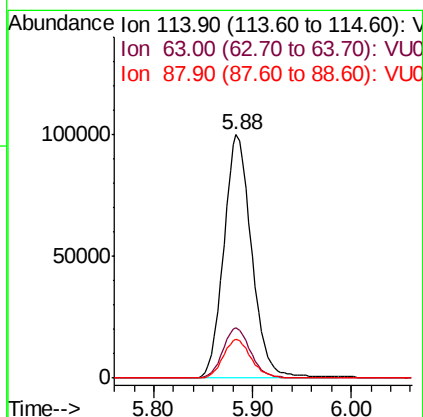
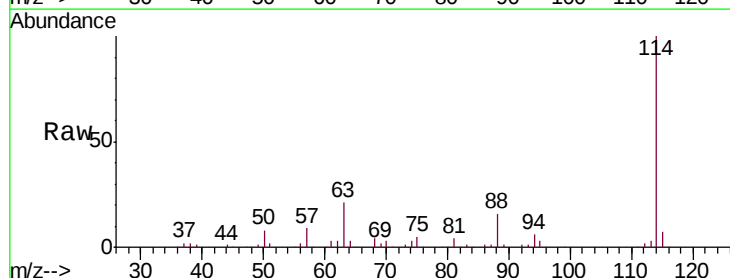
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBL01

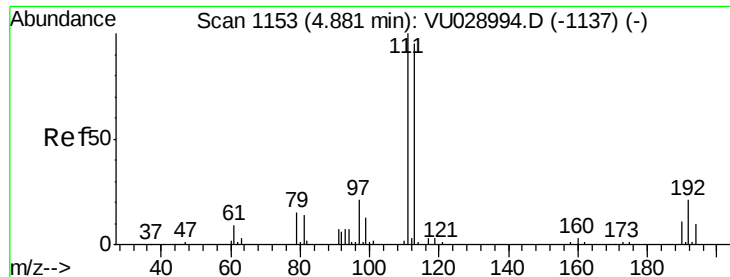
Tgt Ion: 65 Resp: 75184
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU029236.D
 Acq: 21 Jan 2019 10:01

Tgt Ion: 114 Resp: 198351
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.8 0.0 30.4

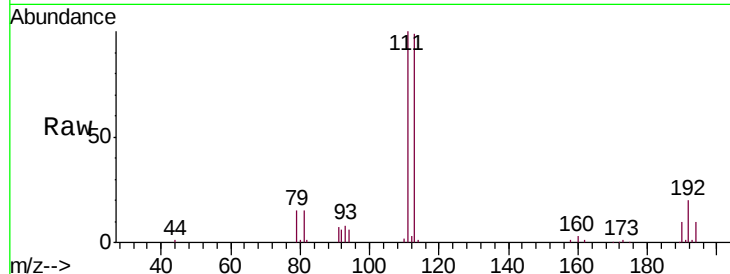




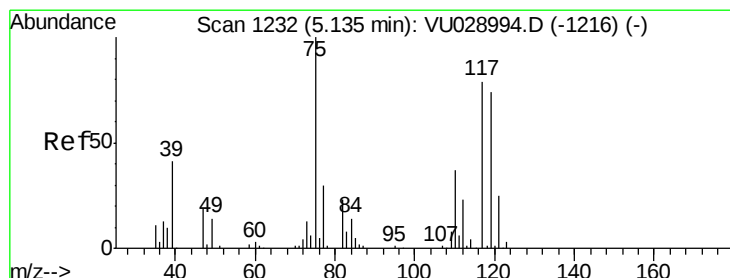
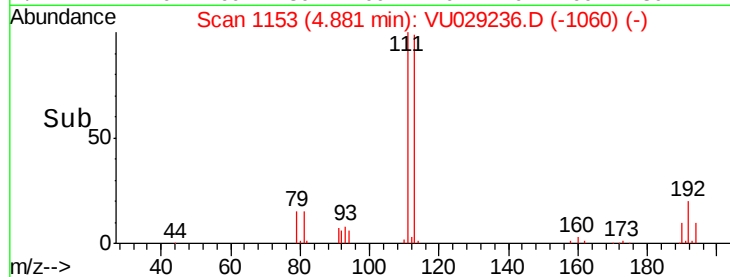
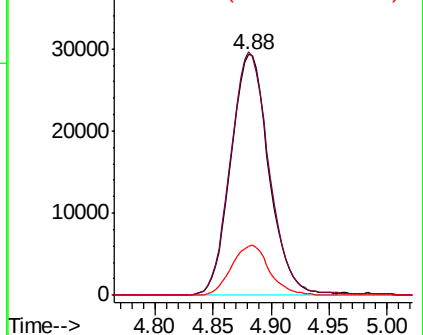
#35
 Dibromofluoromethane
 Concen: 52.142 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU029236.D
 Acq: 21 Jan 2019 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBL01

Tgt Ion:113 Resp: 67042
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.2
 192 20.5 16.8 25.2

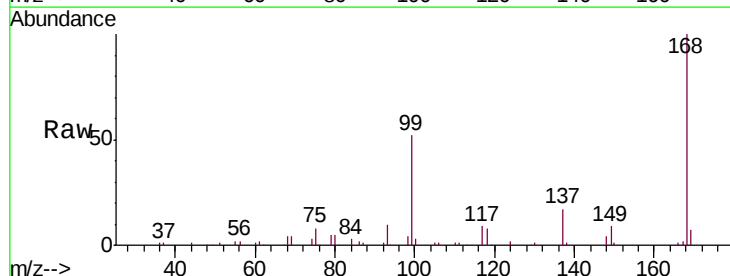


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

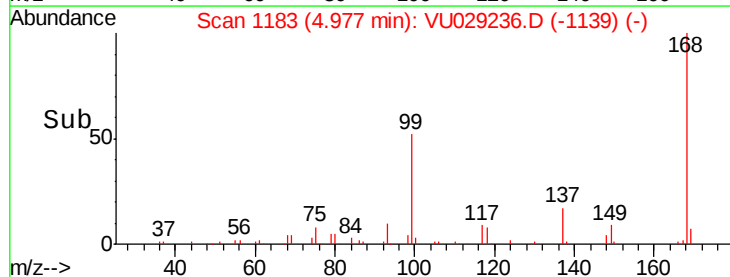
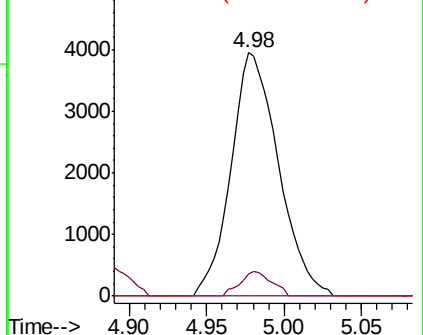


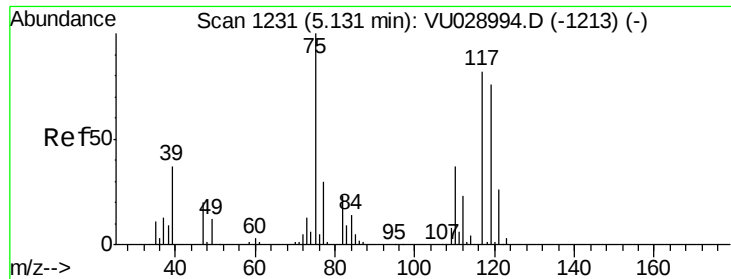
#36
 1,1-Dichloropropene
 Concen: 4.242 ug/l
 RT: 4.98 min Scan# 1183
 Delta R.T. -0.16 min
 Lab File: VU029236.D
 Acq: 21 Jan 2019 10:01

Tgt Ion: 75 Resp: 8411
 Ion Ratio Lower Upper
 75 100
 110 6.6 18.4 55.4#
 77 0.0 25.1 37.7#



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

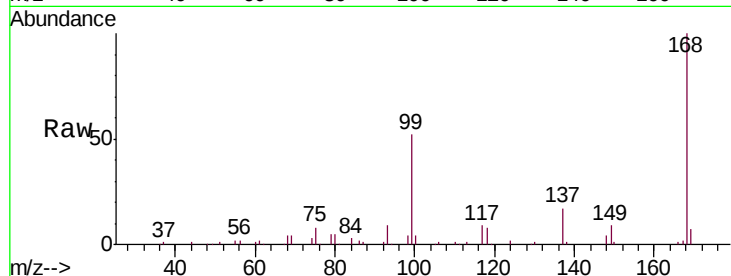




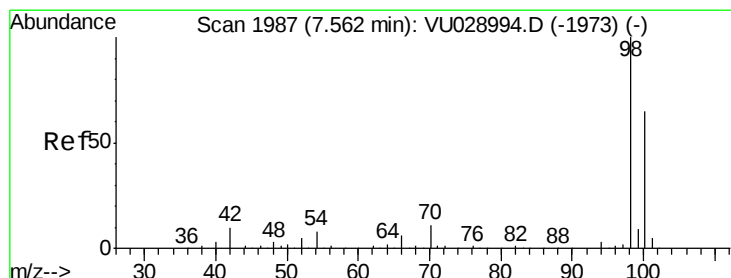
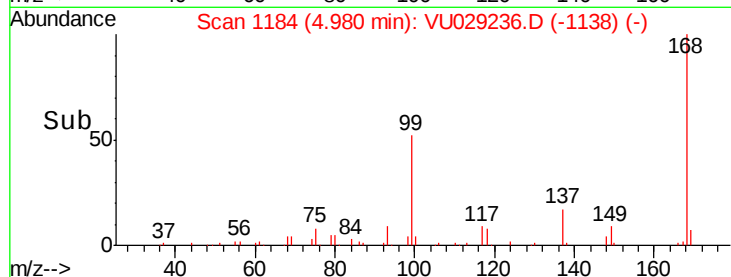
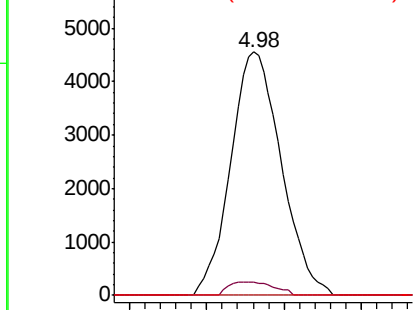
#38
Carbon Tetrachloride
Concen: 6.242 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.15 min
Lab File: VU029236.D
Acq: 21 Jan 2019 10:01

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBL01

Tgt Ion:117 Resp: 10322
Ion Ratio Lower Upper
117 100
119 5.3 74.6 111.8#
121 0.0 25.0 37.6#

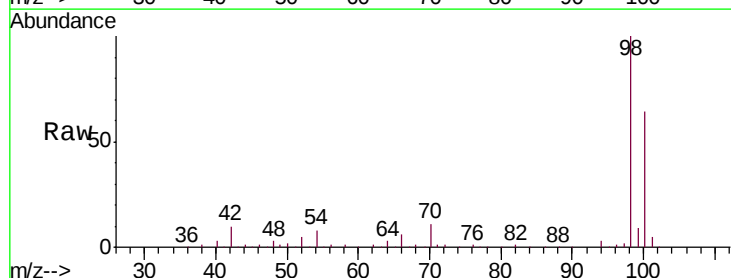


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

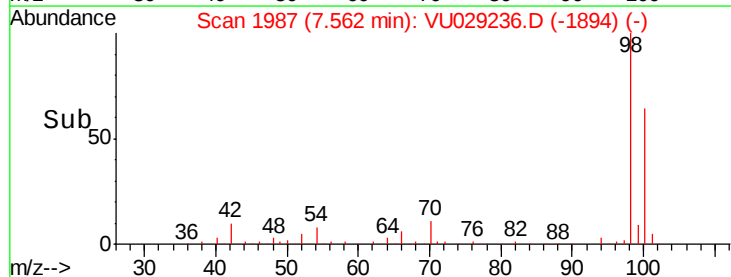
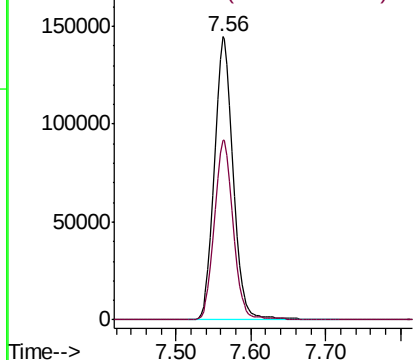


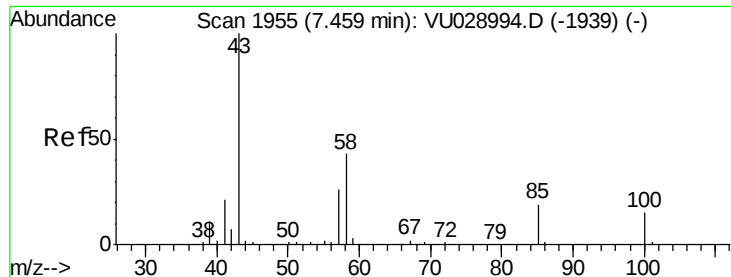
#50
Toluene-d8
Concen: 49.993 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU029236.D
Acq: 21 Jan 2019 10:01

Tgt Ion: 98 Resp: 253768
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



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

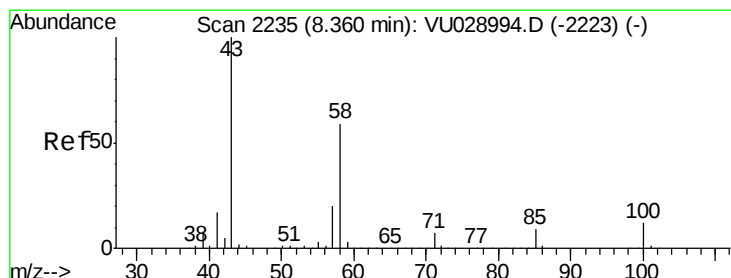
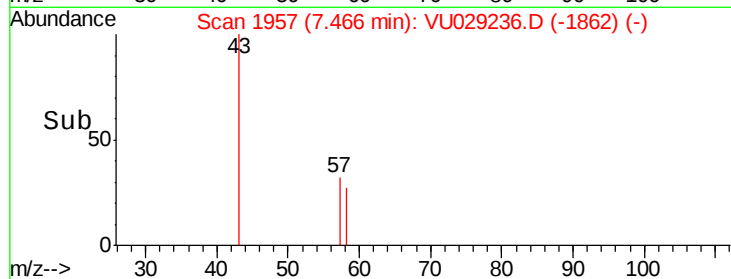
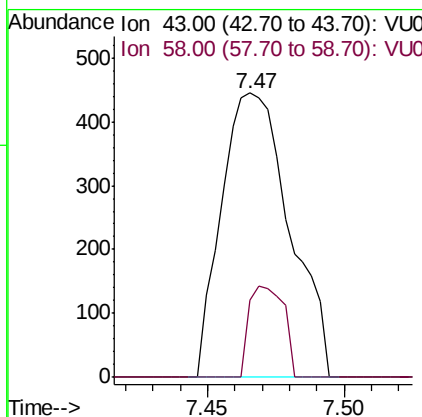
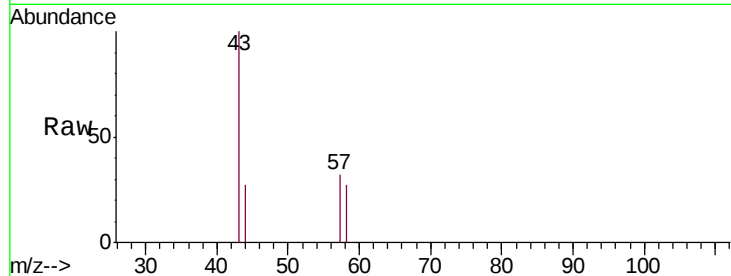




#51
 4-Methyl-2-Pentanone
 Concen: 0.341 ug/l
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.01 min
 Lab File: VU029236.D
 Acq: 21 Jan 2019 10:01

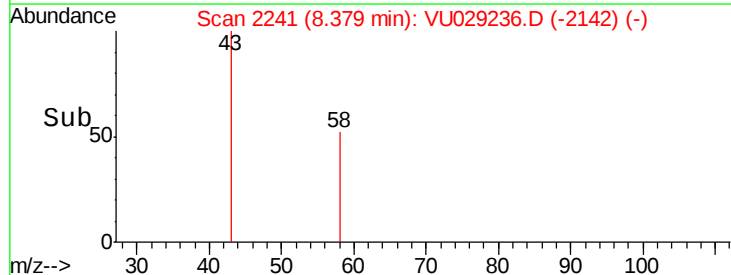
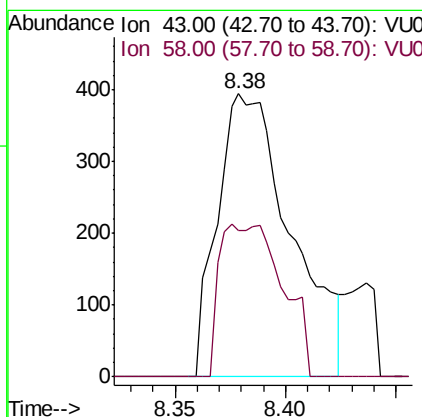
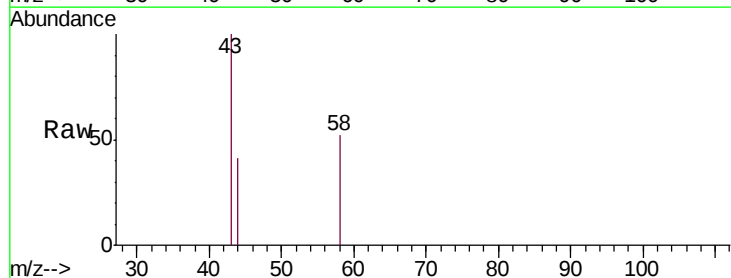
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBL01

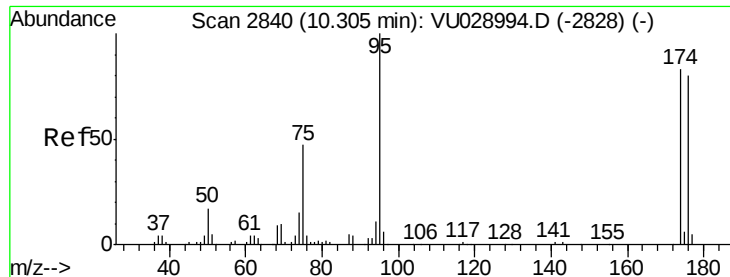
Tgt Ion: 43 Resp: 774
 Ion Ratio Lower Upper
 43 100
 58 15.9 33.9 50.9#



#59
 2-Hexanone
 Concen: 0.514 ug/l
 RT: 8.38 min Scan# 2241
 Delta R.T. 0.02 min
 Lab File: VU029236.D
 Acq: 21 Jan 2019 10:01

Tgt Ion: 43 Resp: 916
 Ion Ratio Lower Upper
 43 100
 58 16.4 29.8 89.4#





#62

4-Bromofluorobenzene

Concen: 43.822 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU029236.D

Acq: 21 Jan 2019 10:01

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBL01

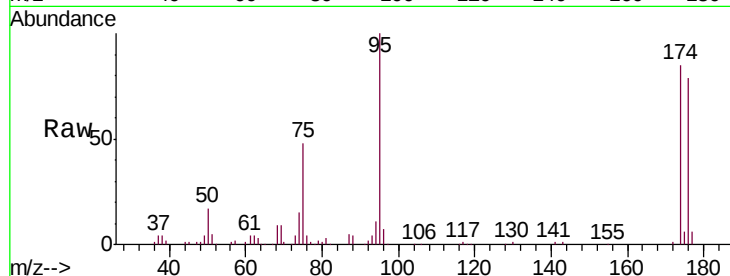
Tgt Ion: 95 Resp: 79941

Ion Ratio Lower Upper

95 100

174 85.4 0.0 170.6

176 81.5 0.0 165.0

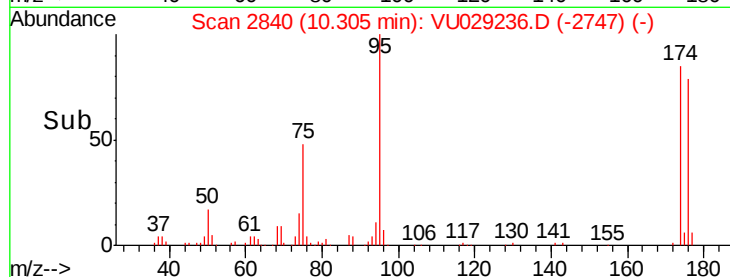


Abundance Ion 94.90 (94.60 to 95.60): VU028994.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028994.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028994.D (-2828) (-)

Time-->

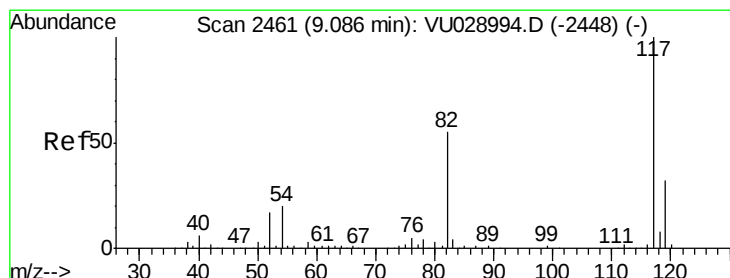


Abundance Ion 94.90 (94.60 to 95.60): VU029236.D (-2747) (-)

Ion 173.80 (173.50 to 174.50): VU029236.D (-2747) (-)

Ion 175.80 (175.50 to 176.50): VU029236.D (-2747) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VU029236.D

Acq: 21 Jan 2019 10:01

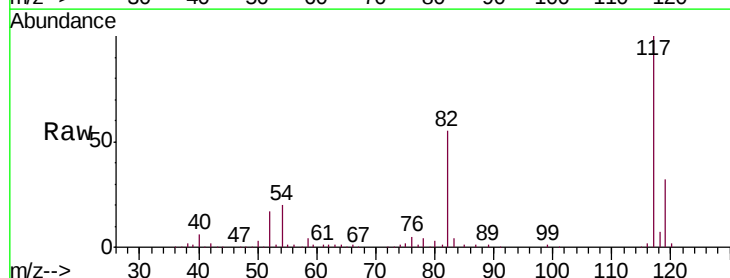
Tgt Ion: 117 Resp: 182375

Ion Ratio Lower Upper

117 100

82 54.7 43.9 65.9

119 32.3 26.0 39.0

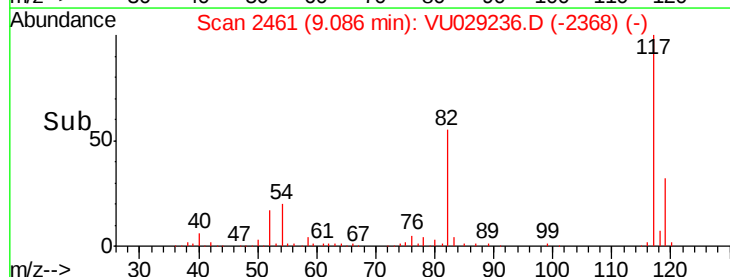


Abundance Ion 116.90 (116.60 to 117.60): VU028994.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028994.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028994.D (-2448) (-)

Time-->

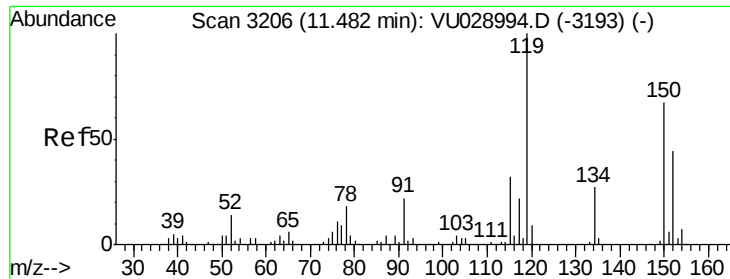


Abundance Ion 116.90 (116.60 to 117.60): VU029236.D (-2368) (-)

Ion 82.00 (81.70 to 82.70): VU029236.D (-2368) (-)

Ion 118.90 (118.60 to 119.60): VU029236.D (-2368) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU029236.D

Acq: 21 Jan 2019 10:01

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBL01

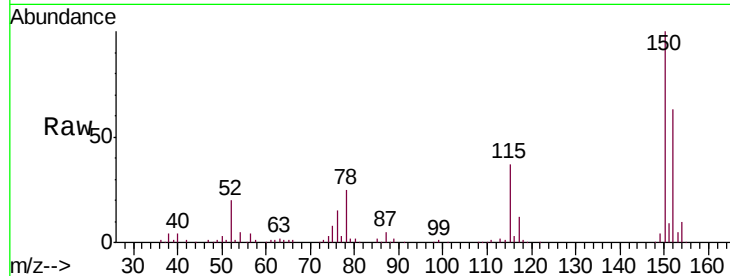
Tgt Ion:152 Resp: 73839

Ion Ratio Lower Upper

152 100

115 58.3 40.1 120.3

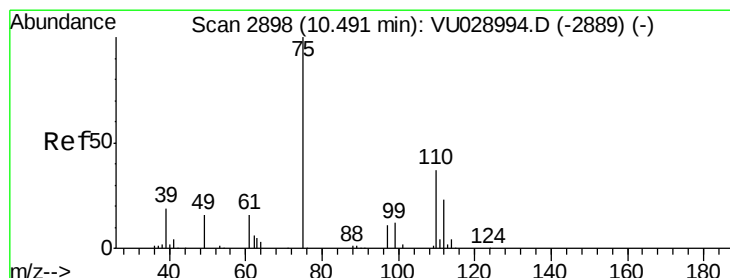
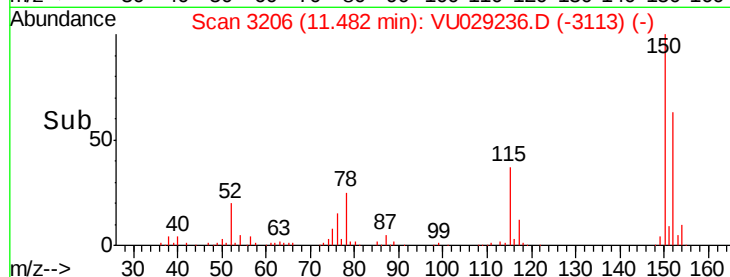
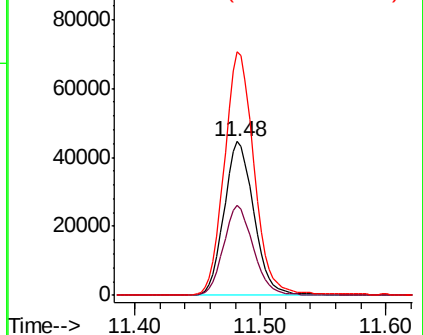
150 157.8 0.0 345.2



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: 20.837 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029236.D

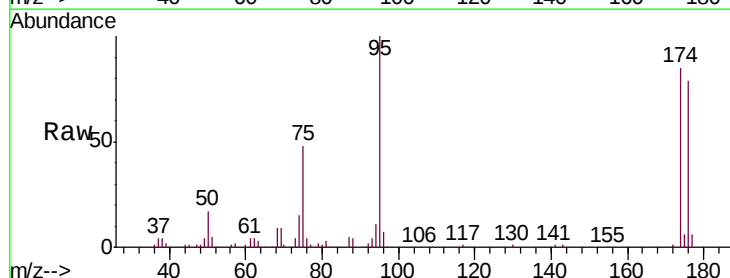
Acq: 21 Jan 2019 10:01

Tgt Ion: 75 Resp: 37698

Ion Ratio Lower Upper

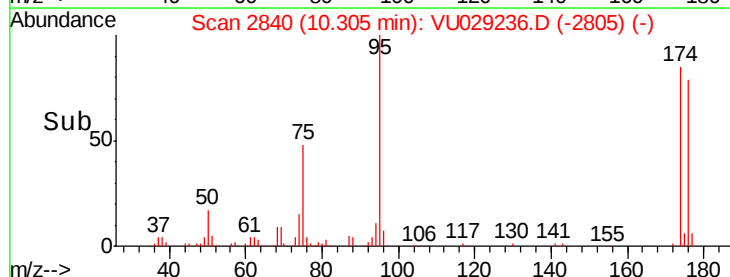
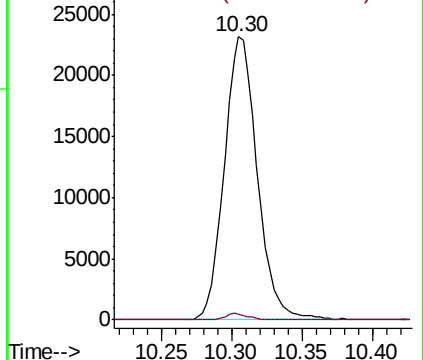
75 100

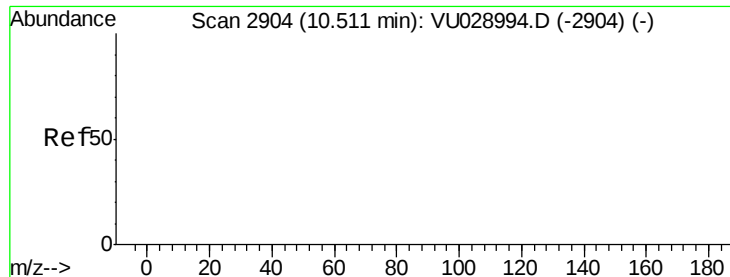
77 1.5 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

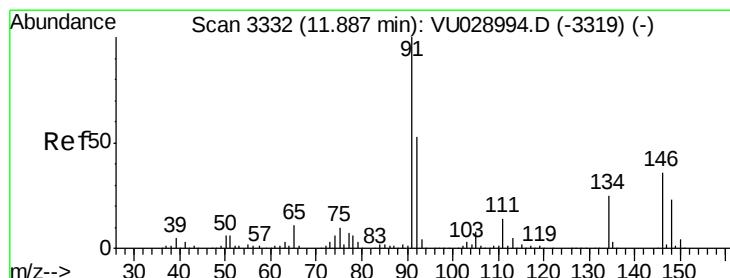
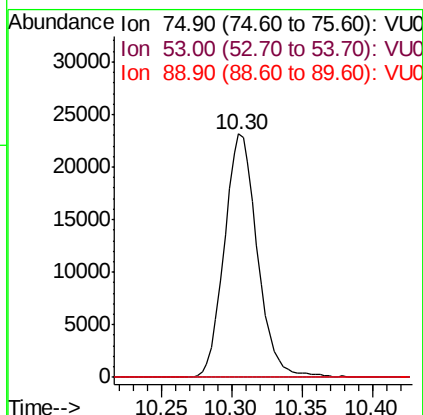
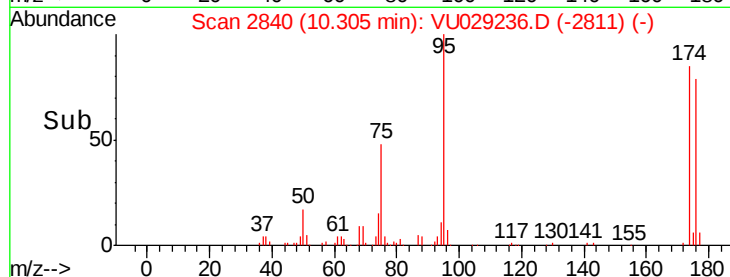
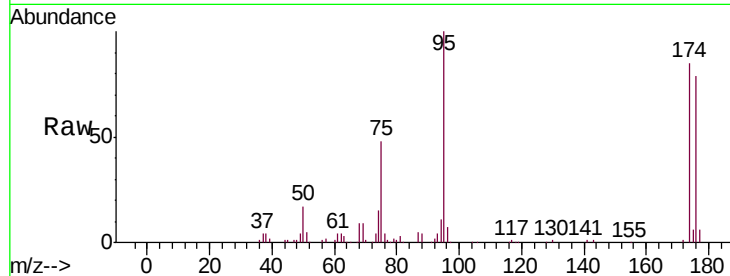




#81
trans-1,4-Dichloro-2-butene
Concen: 53.740 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.21 min
Lab File: VU029236.D
Acq: 21 Jan 2019 10:01

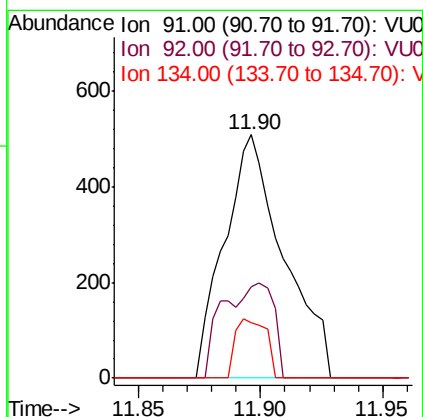
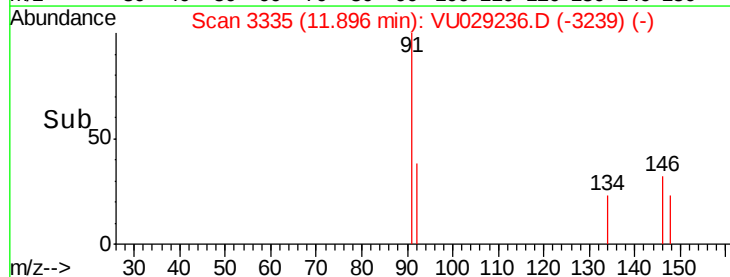
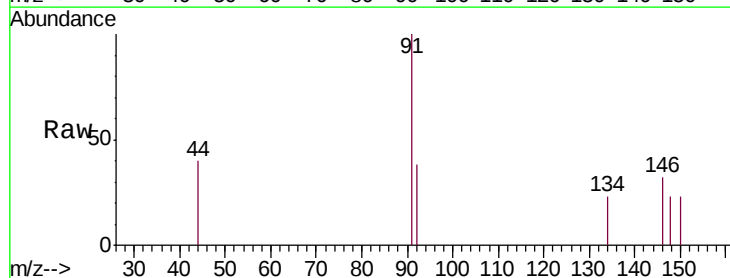
Instrument :
MSVOA_U
ClientSampleId :
VU0121WBL01

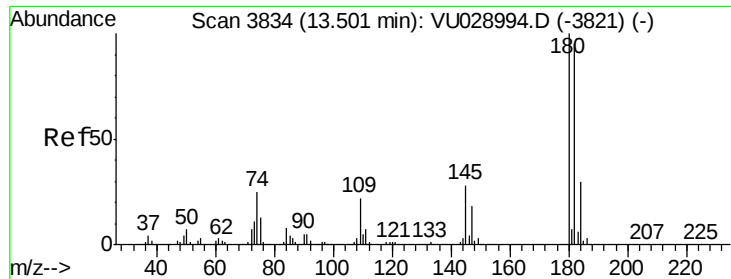
Tgt Ion: 75 Resp: 37698
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#89
n-Butylbenzene
Concen: 0.207 ug/l
RT: 11.90 min Scan# 3335
Delta R.T. 0.01 min
Lab File: VU029236.D
Acq: 21 Jan 2019 10:01

Tgt Ion: 91 Resp: 857
Ion Ratio Lower Upper
91 100
92 33.5 26.2 78.5
134 12.5 12.6 37.6#

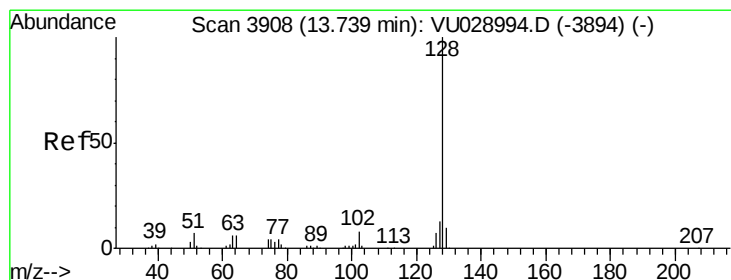
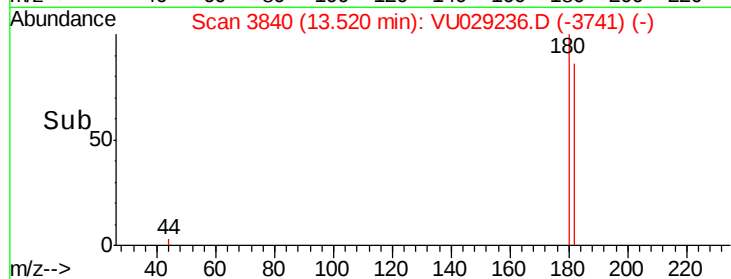
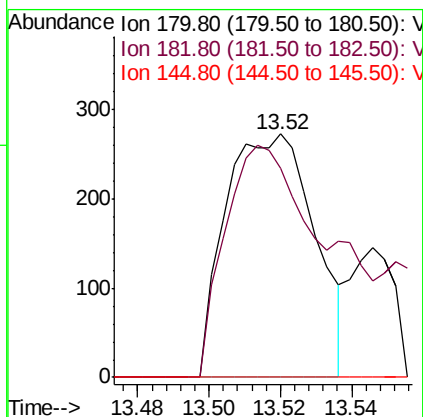
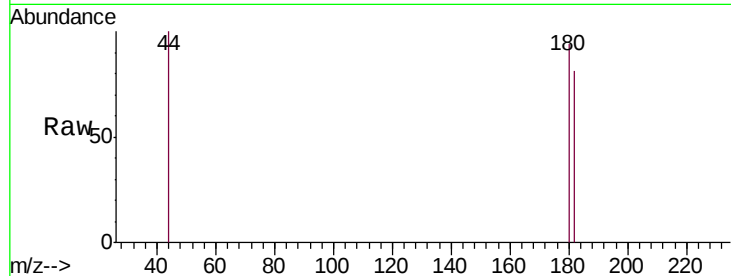




#93
 1,2,4-Trichlorobenzene
 Concen: 0.279 ug/l
 RT: 13.52 min Scan# 3840
 Delta R.T. 0.02 min
 Lab File: VU029236.D
 Acq: 21 Jan 2019 10:01

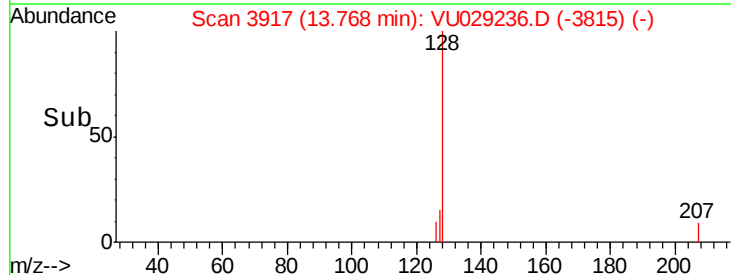
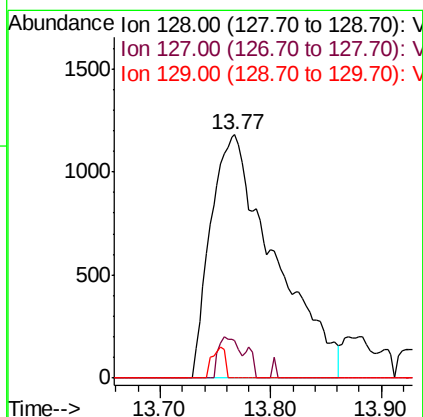
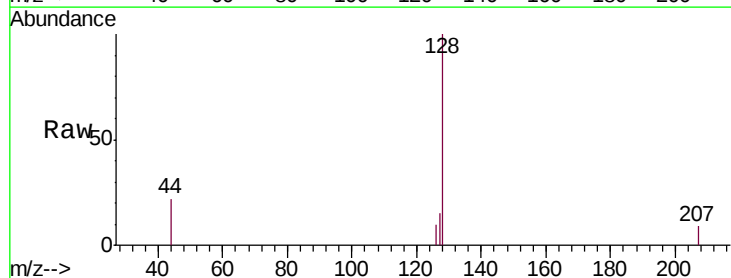
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBL01

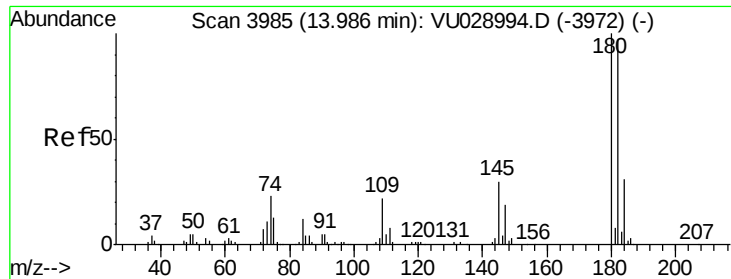
Tgt Ion:180 Resp: 469
 Ion Ratio Lower Upper
 180 100
 182 109.8 47.5 142.6
 145 0.0 14.0 42.0#



#95
 Naphthalene
 Concen: 0.825 ug/l
 RT: 13.77 min Scan# 3917
 Delta R.T. 0.03 min
 Lab File: VU029236.D
 Acq: 21 Jan 2019 10:01

Tgt Ion:128 Resp: 4716
 Ion Ratio Lower Upper
 128 100
 127 5.3 10.1 15.1#
 129 2.5 8.5 12.7#

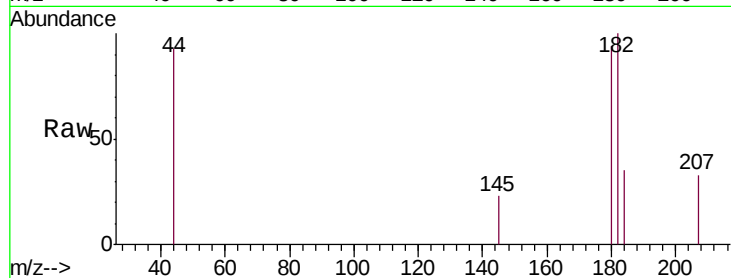




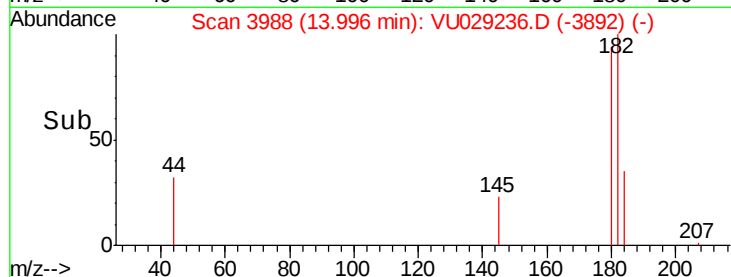
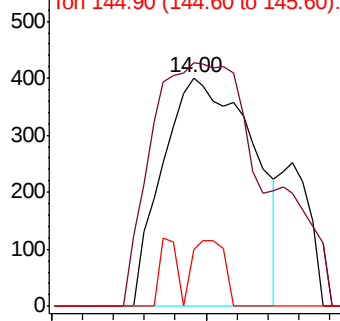
#96
 1,2,3-Trichlorobenzene
 Concen: 1.236 ug/l
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU029236.D
 Acq: 21 Jan 2019 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	137.4	48.1	144.3
145	10.4	14.8	44.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V



Time--> 13.95