

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010319\
 Data File : VU029001.D
 Acq On : 03 Jan 2019 16:48
 Operator : MD/SY
 Sample : VU0103WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 04 07:48:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

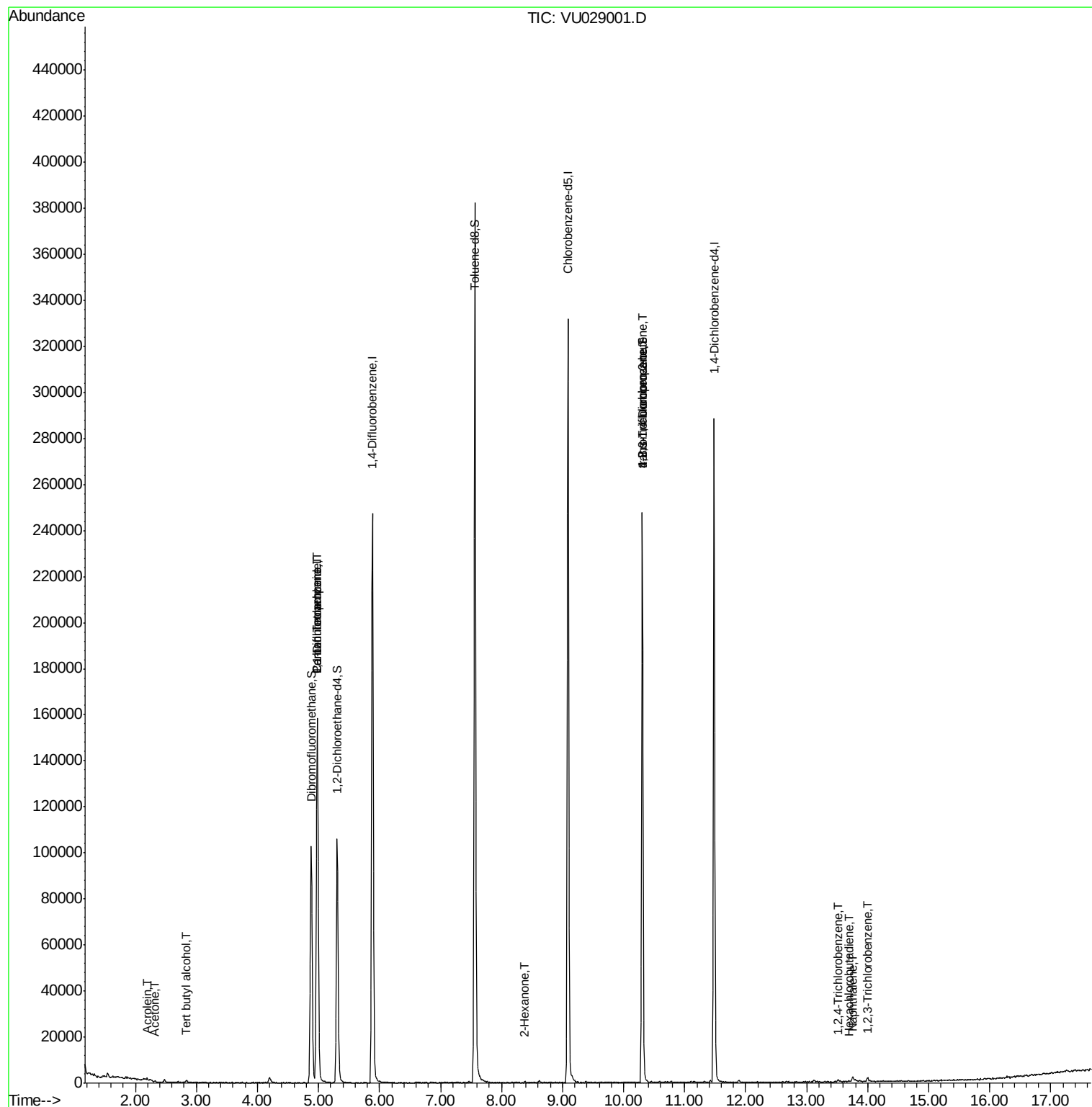
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	131972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	220974	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	196992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	79637	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	79945	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	4.88	113	71285	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	7.56	98	269967	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	10.30	95	85646	42.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.28%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	757	Below Cal		95
5) Bromomethane	1.63	94	161	Below Cal		92
11) Tert butyl alcohol	2.84	59	565	1.362 ug/l #		73
13) Acrolein	2.20	56	242	0.777 ug/l #		82
16) Acetone	2.32	43	382	0.372 ug/l		100
17) Carbon Disulfide	2.48	76	1753	Below Cal #		91
31) Cyclohexane	4.98	56	2117	Below Cal #		1
36) 1,1-Dichloropropene	4.98	75	8883	4.022 ug/l #		48
38) Carbon Tetrachloride	4.98	117	11239	6.101 ug/l #		17
59) 2-Hexanone	8.39	43	464	0.234 ug/l #		55
76) 1,2,3-Trichloropropane	10.30	75	40947	20.985 ug/l #		35
81) trans-1,4-Dichloro-2-buten	10.30	75	40947	54.122 ug/l #		100
93) 1,2,4-Trichlorobenzene	13.51	180	551	0.304 ug/l		87
94) Hexachlorobutadiene	13.69	225	239	0.288 ug/l #		51
95) Naphthalene	13.76	128	3098	0.503 ug/l #		87
96) 1,2,3-Trichlorobenzene	14.00	180	952	1.278 ug/l		74

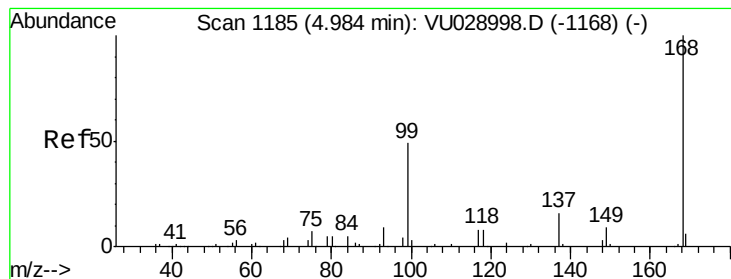
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU029001.D

Acq: 03 Jan 2019 16:48

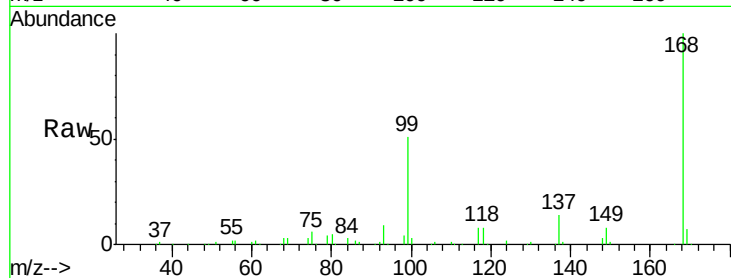
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 131972

Ion Ratio Lower Upper

168 100

99 50.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

60000

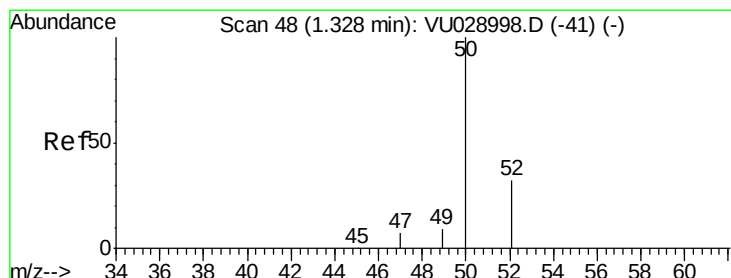
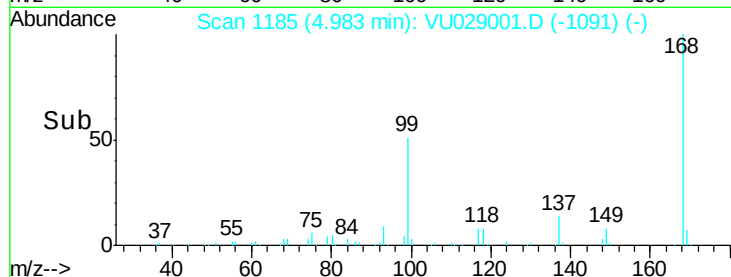
40000

20000

0

Time-->

4.90 5.00 5.10



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029001.D

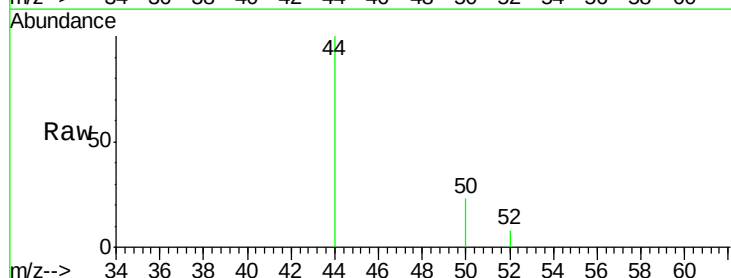
Acq: 03 Jan 2019 16:48

Tgt Ion: 50 Resp: 757

Ion Ratio Lower Upper

50 100

52 35.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028998.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VU028998.D (-41) (-)

1.33

800

600

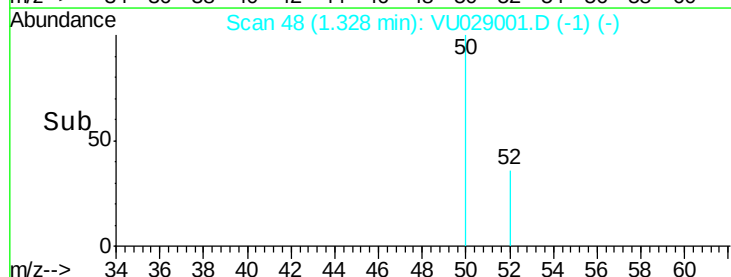
400

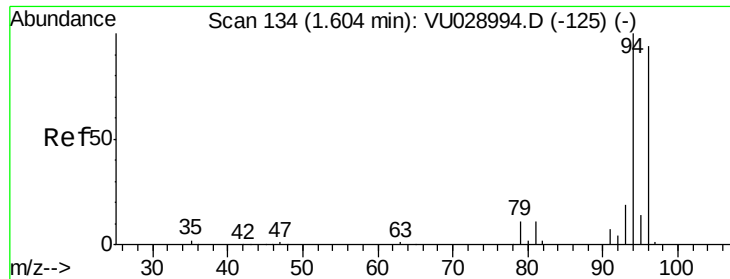
200

0

Time-->

1.30 1.32 1.34 1.36

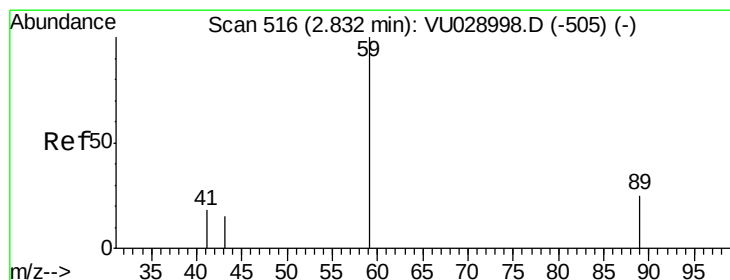
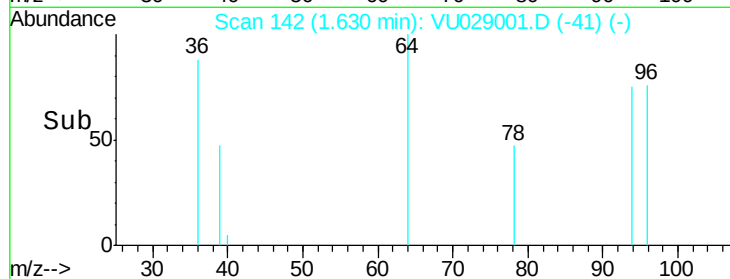
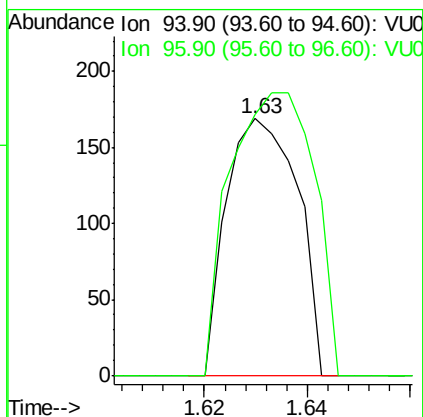
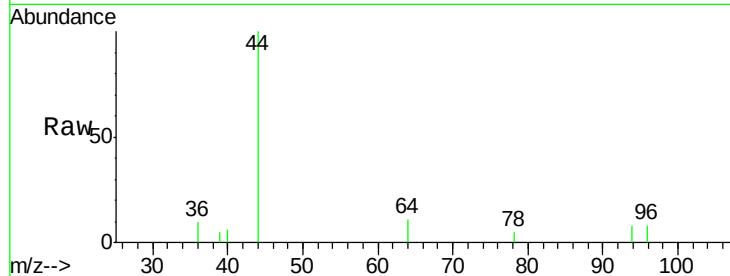




#5
 Bromomethane
 Concen: Below Cal
 RT: 1.63 min Scan# 142
 Delta R.T. 0.03 min
 Lab File: VU029001.D
 Acq: 03 Jan 2019 16:48

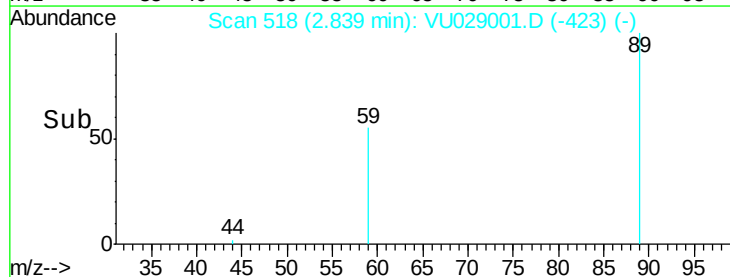
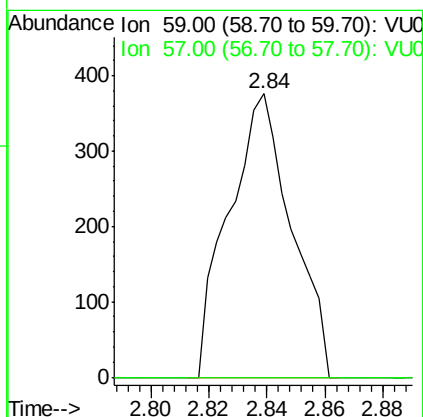
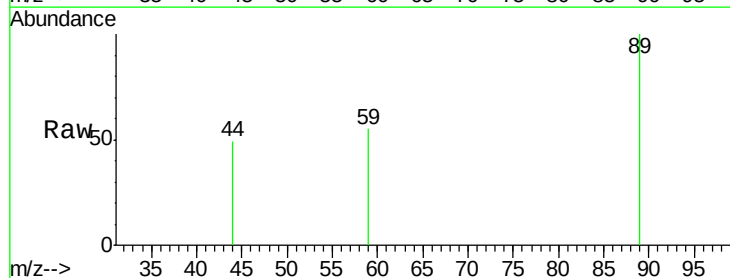
Instrument :
 MSVOA_U
 ClientSampleId :

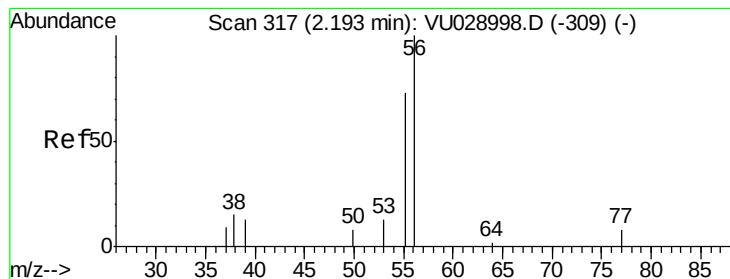
Tot Ion: 94 Resp: 161
 Ion Ratio Lower Upper
 94 100
 96 101.8 75.5 113.3



#11
 Tert butyl alcohol
 Concen: 1.362 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU029001.D
 Acq: 03 Jan 2019 16:48

Tgt Ion: 59 Resp: 565
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#





#13

Acrolein

Concen: 0.777 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU029001.D

Acq: 03 Jan 2019 16:48

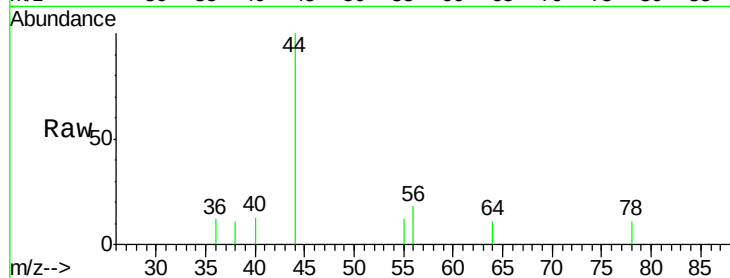
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 242

Ion Ratio Lower Upper

56 100

55 55.8 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VU028998.D (-309) (-)

Ion 55.00 (54.70 to 55.70): VU028998.D (-309) (-)

2.20

200

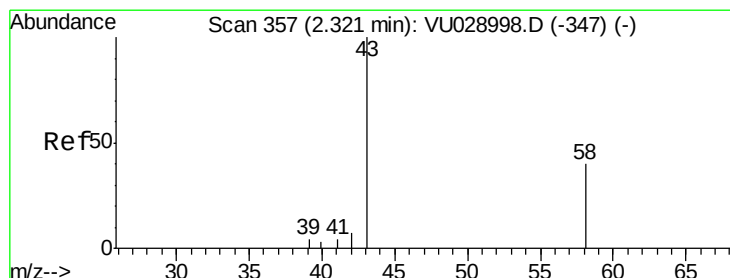
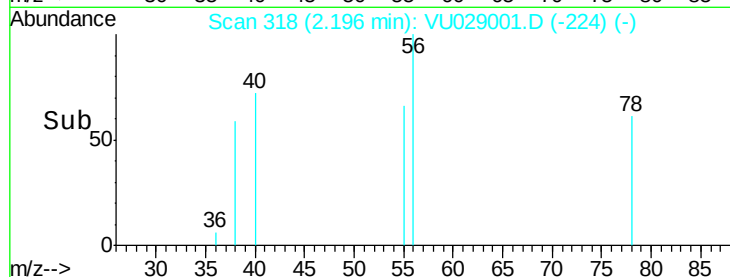
150

100

50

0

Time-->



#16

Acetone

Concen: 0.372 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU029001.D

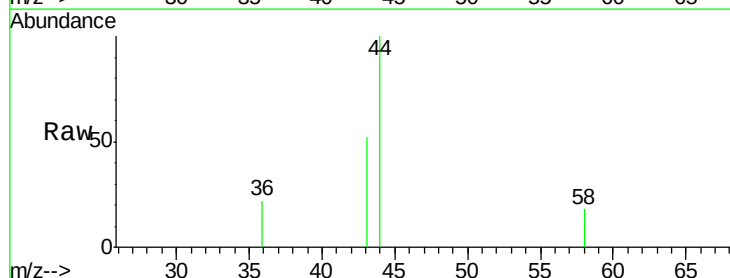
Acq: 03 Jan 2019 16:48

Tgt Ion: 43 Resp: 382

Ion Ratio Lower Upper

43 100

58 35.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VU028998.D (-347) (-)

2.32

300

250

200

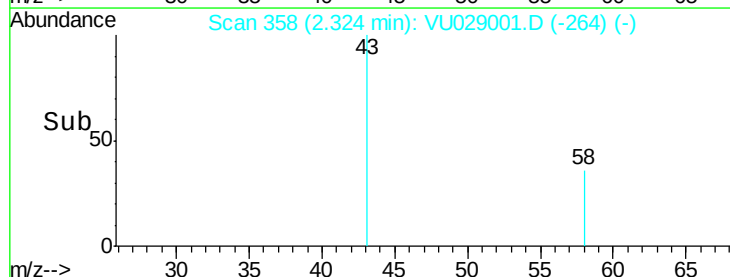
150

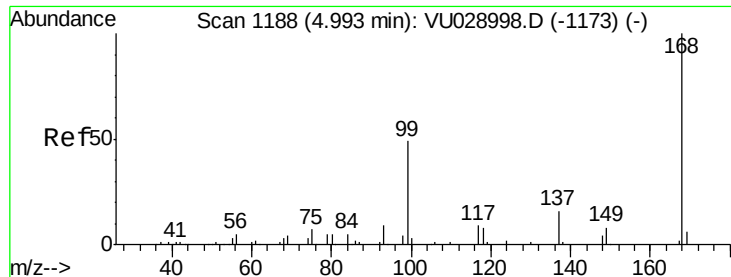
100

50

0

Time-->

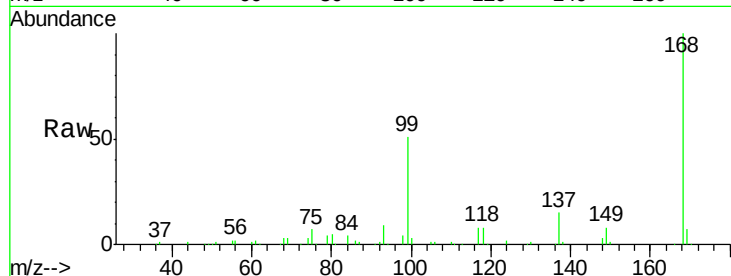




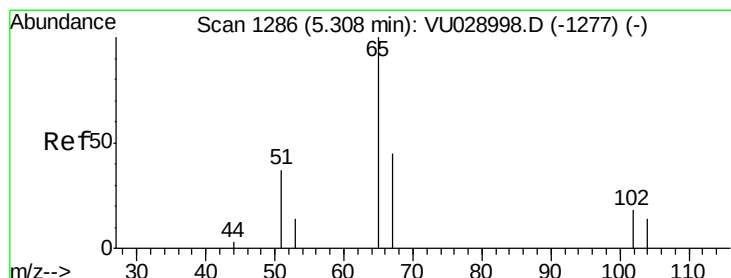
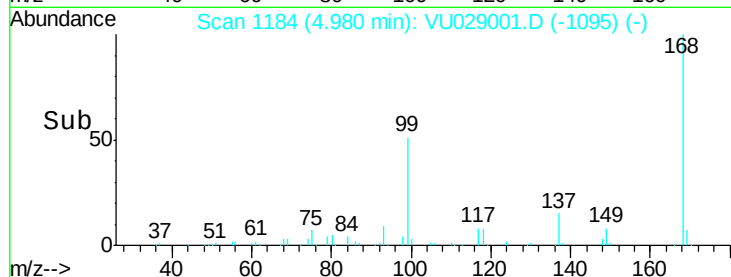
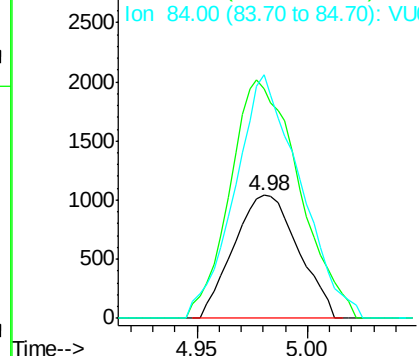
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VU029001.D
Acq: 03 Jan 2019 16:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 2117
Ion Ratio Lower Upper
56 100
69 174.9 26.7 40.1#
84 184.6 65.7 98.5#

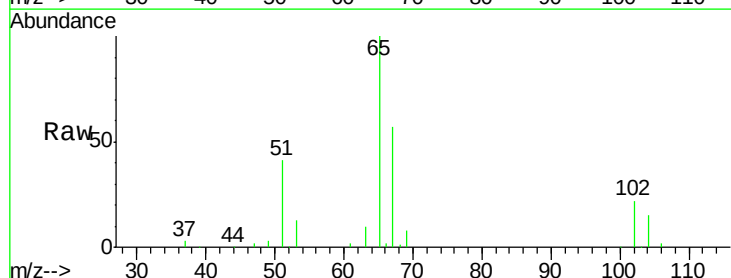


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

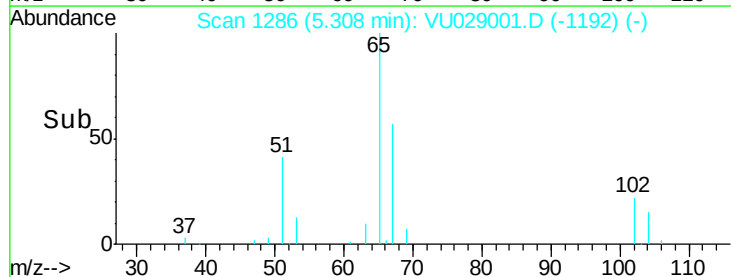
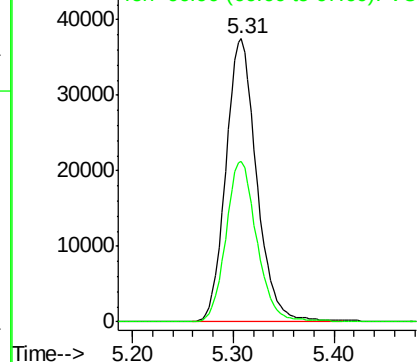


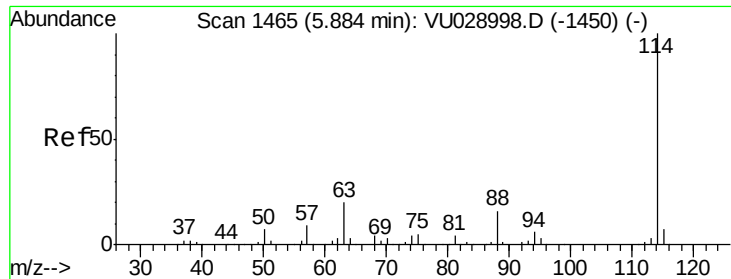
#33
1,2-Dichloroethane-d4
Concen: 49.003 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU029001.D
Acq: 03 Jan 2019 16:48

Tgt Ion: 65 Resp: 79945
Ion Ratio Lower Upper
65 100
67 56.7 0.0 111.0



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

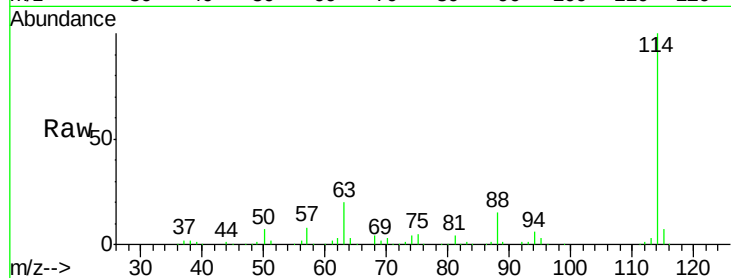




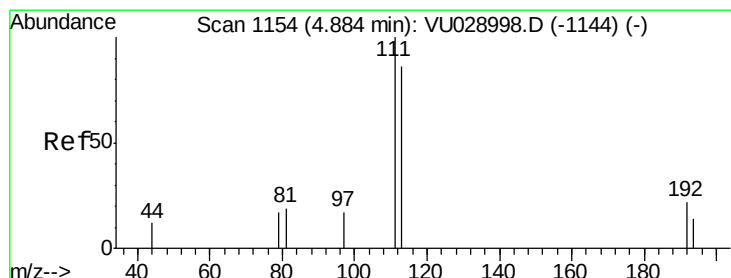
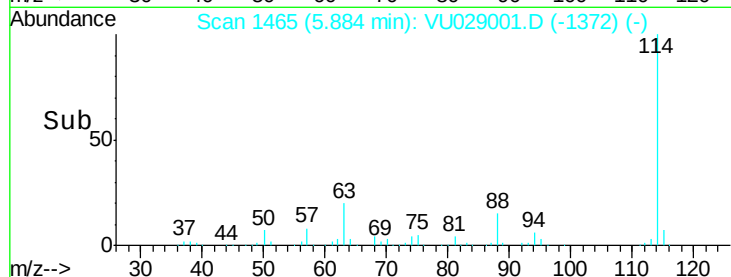
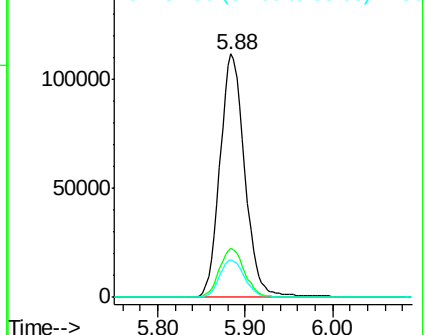
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU029001.D
 Acq: 03 Jan 2019 16:48

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:114 Resp: 220974
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.2
 88 15.3 0.0 30.4

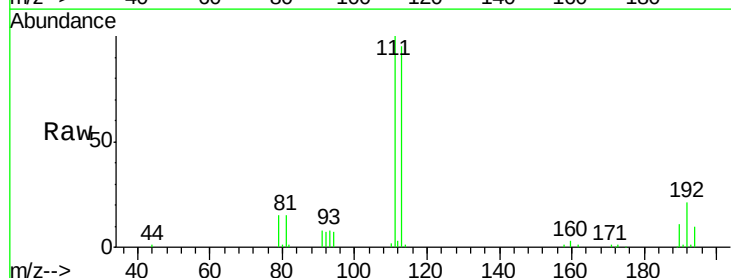


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

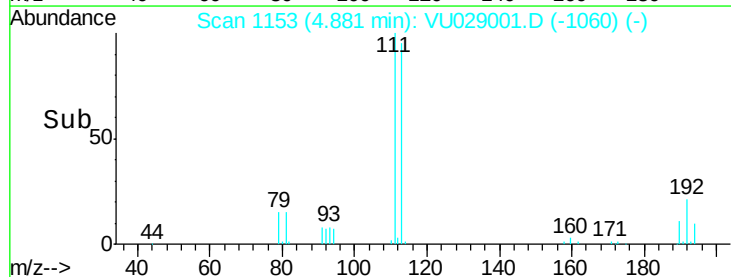
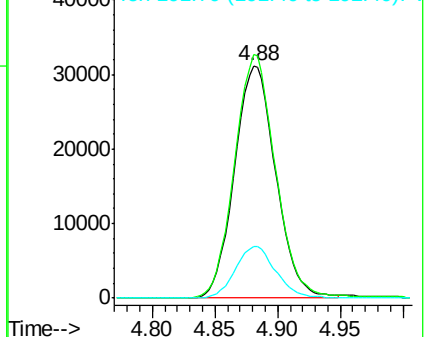


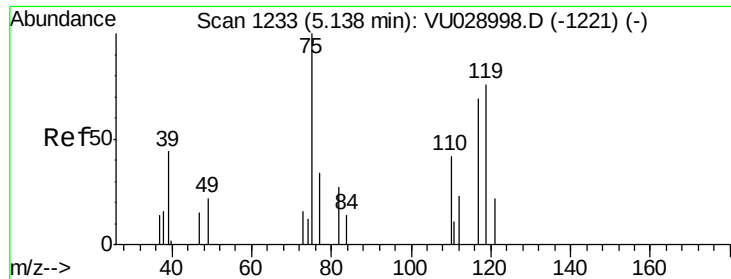
#35
 Dibromofluoromethane
 Concen: 49.765 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU029001.D
 Acq: 03 Jan 2019 16:48

Tgt Ion:113 Resp: 71285
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.4 122.2
 192 21.8 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

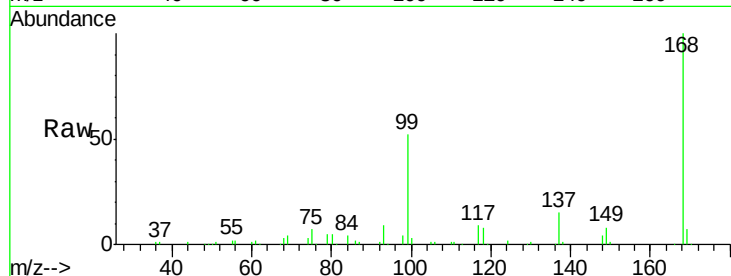




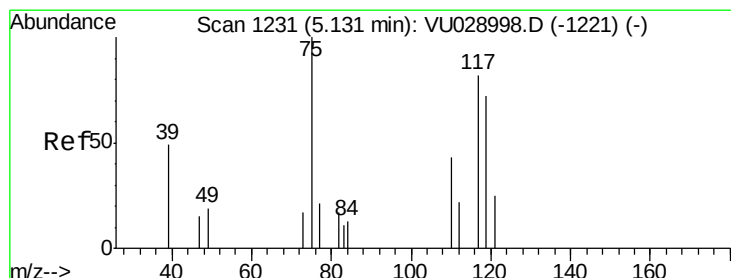
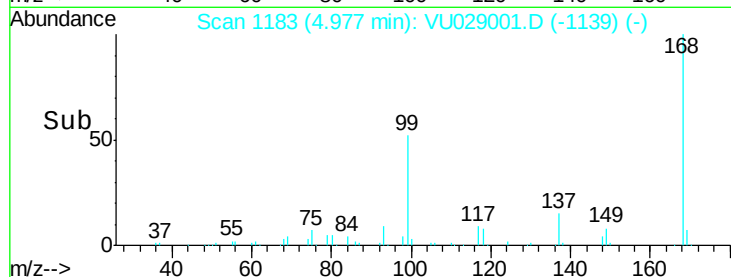
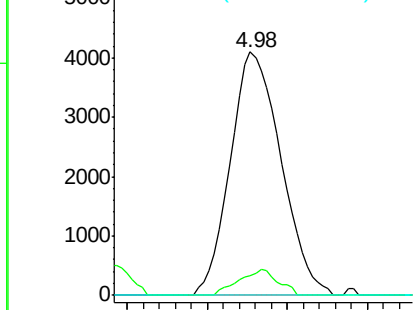
#36
 1,1-Dichloropropene
 Concen: 4.022 ug/l
 RT: 4.98 min Scan# 1183
 Delta R.T. -0.16 min
 Lab File: VU029001.D
 Acq: 03 Jan 2019 16:48

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 8883
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.4 55.4#
 77 0.0 25.1 37.7#

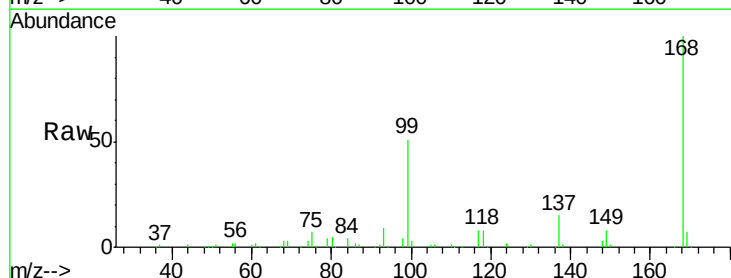


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

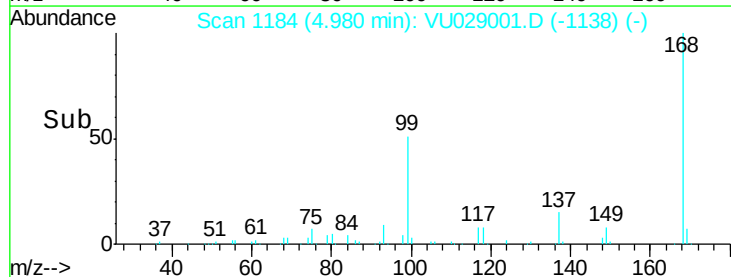
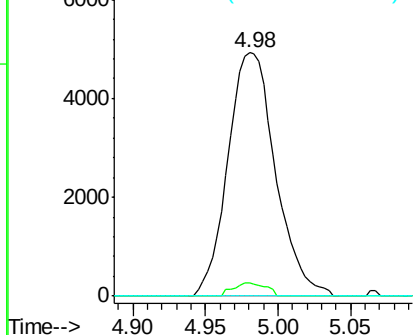


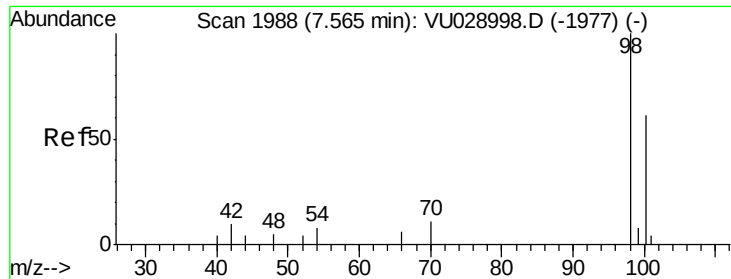
#38
 Carbon Tetrachloride
 Concen: 6.101 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029001.D
 Acq: 03 Jan 2019 16:48

Tgt Ion: 117 Resp: 11239
 Ion Ratio Lower Upper
 117 100
 119 5.5 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

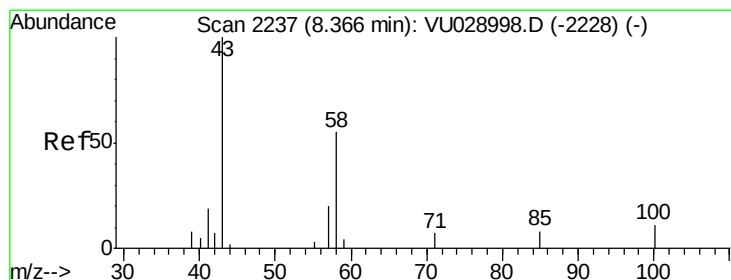
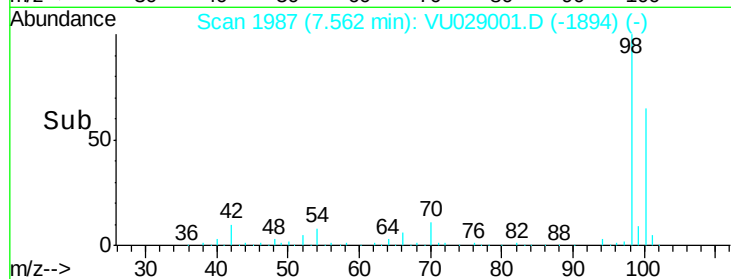
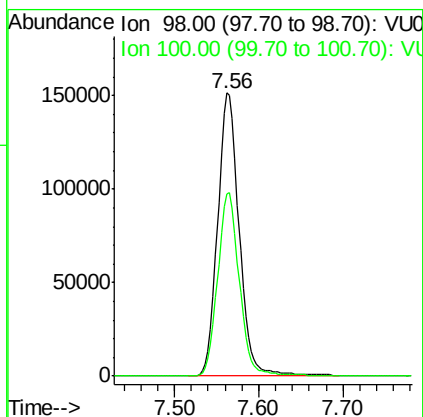
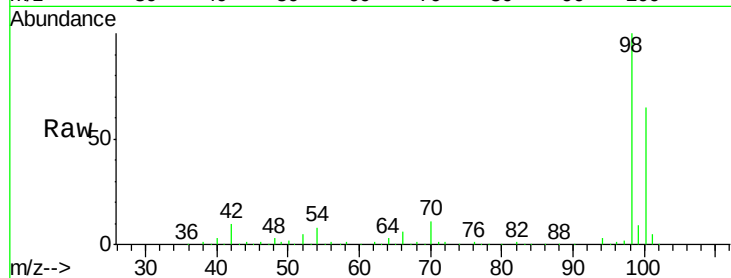




#50
Toluene-d8
Concen: 47.739 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU029001.D
Acq: 03 Jan 2019 16:48

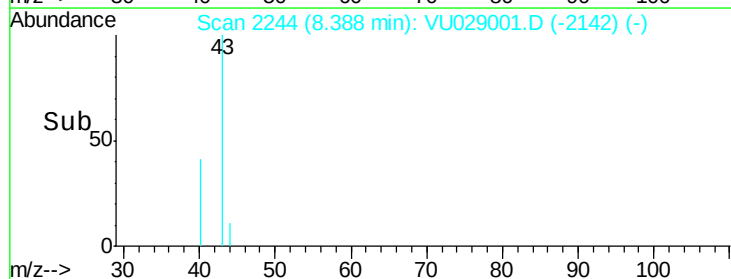
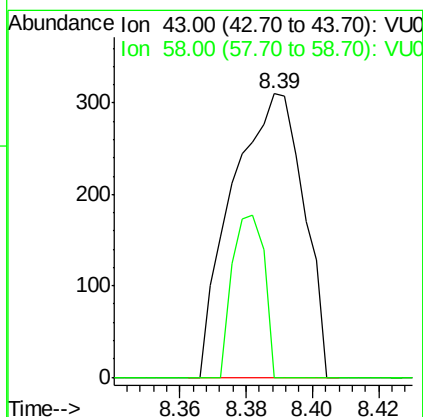
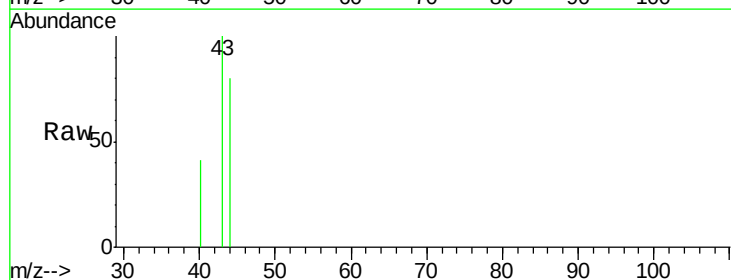
Instrument :
MSVOA_U
ClientSampleId :

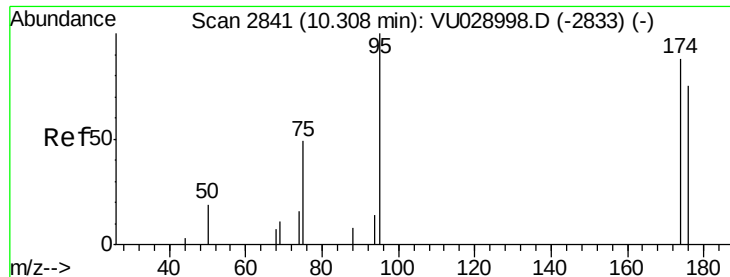
Tot Ion: 98 Resp: 269967
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#59
2-Hexanone
Concen: 0.234 ug/l
RT: 8.39 min Scan# 2244
Delta R.T. 0.03 min
Lab File: VU029001.D
Acq: 03 Jan 2019 16:48

Tgt Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
58 25.6 29.8 89.4#

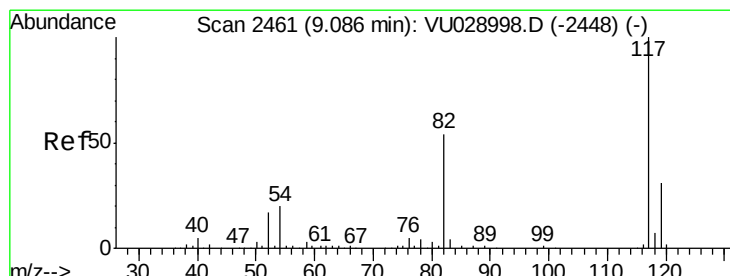
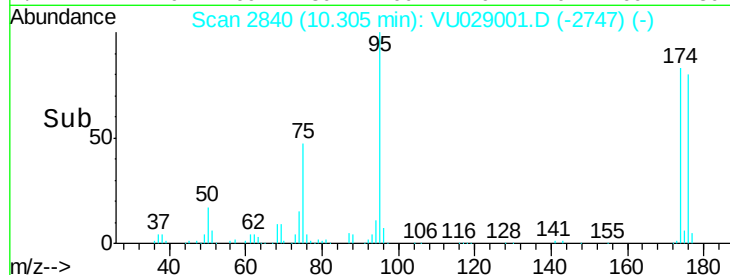
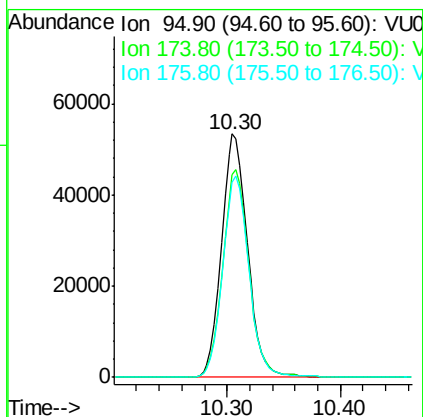
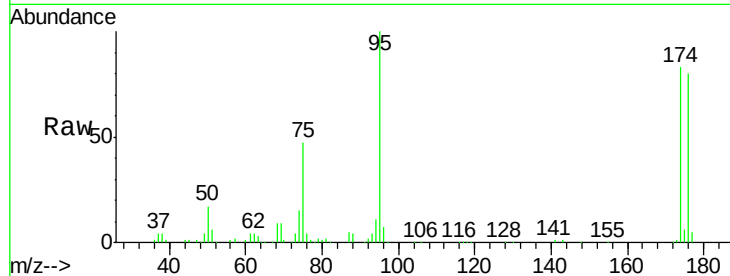




#62
4-Bromofluorobenzene
Concen: 42.142 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU029001.D
Acq: 03 Jan 2019 16:48

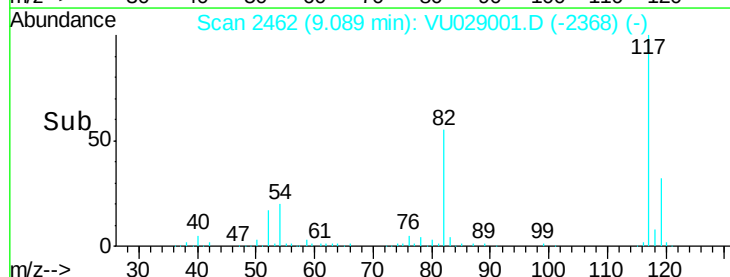
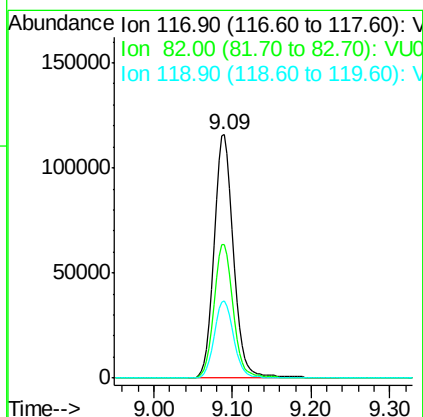
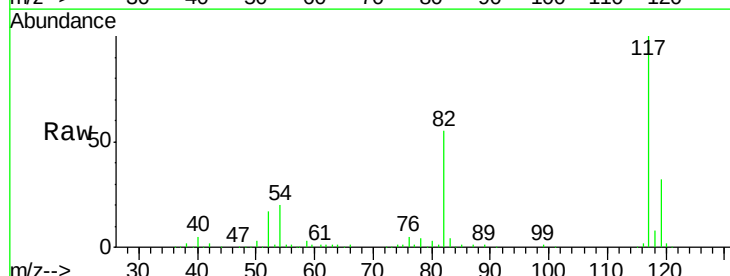
Instrument :
MSVOA_U
ClientSampleId :

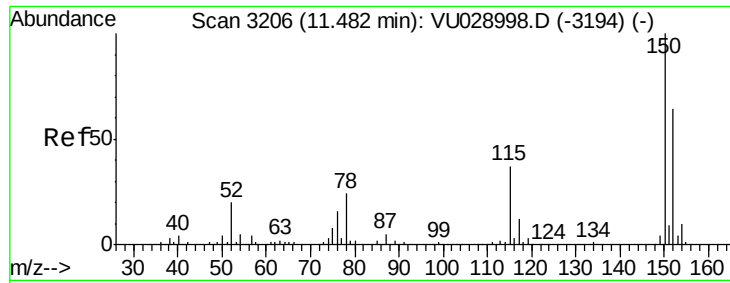
Tot Ion: 95 Resp: 85646
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.6
176 83.3 0.0 165.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029001.D
Acq: 03 Jan 2019 16:48

Tgt Ion: 117 Resp: 196992
Ion Ratio Lower Upper
117 100
82 55.1 43.9 65.9
119 31.8 26.0 39.0



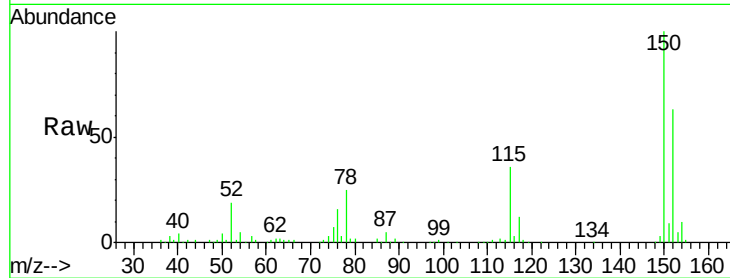


#72

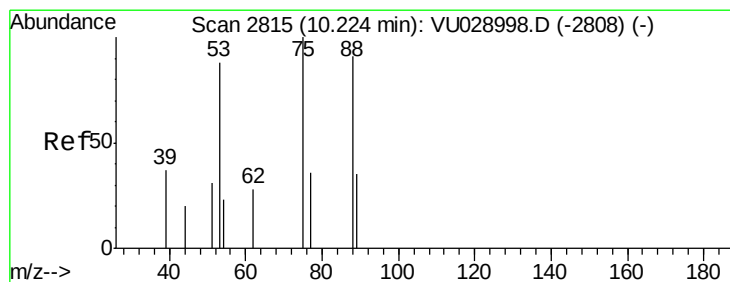
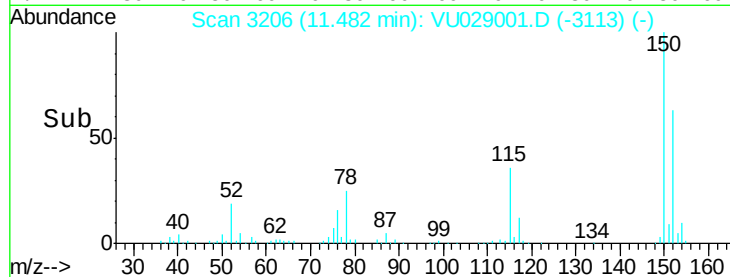
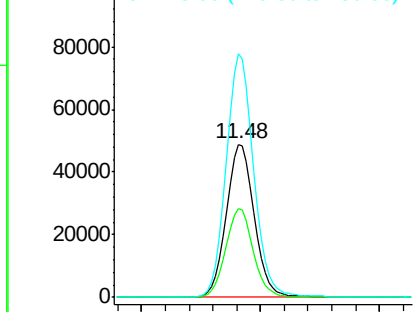
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU029001.D
Acq: 03 Jan 2019 16:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:152 Resp: 79637
Ion Ratio Lower Upper
152 100
115 57.2 40.1 120.3
150 157.0 0.0 345.2



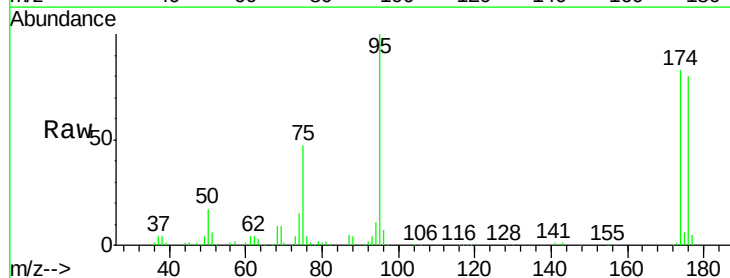
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



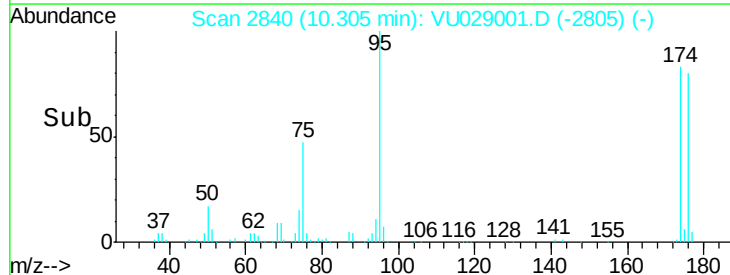
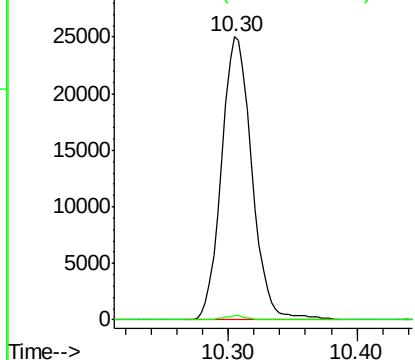
#76

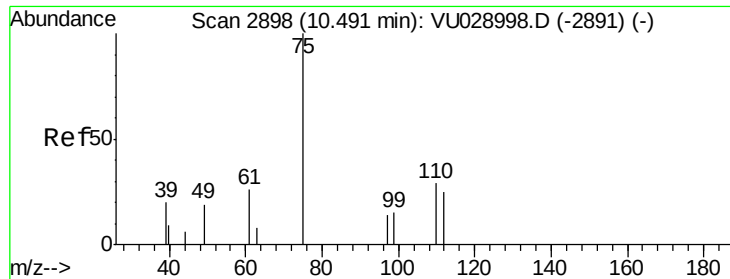
1,2,3-Trichloropropane
Concen: 20.985 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU029001.D
Acq: 03 Jan 2019 16:48

Tgt Ion: 75 Resp: 40947
Ion Ratio Lower Upper
75 100
77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0

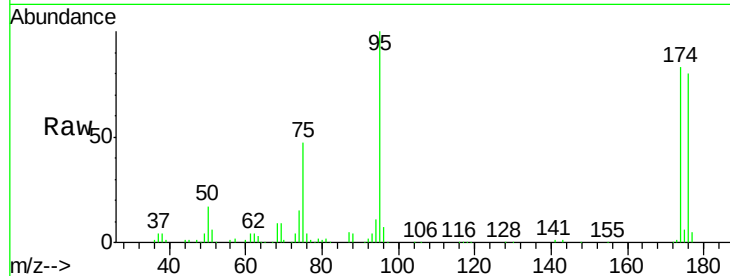




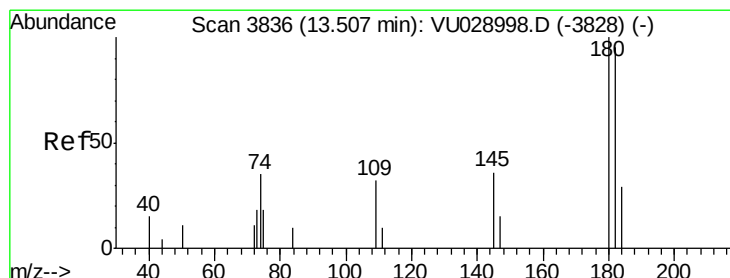
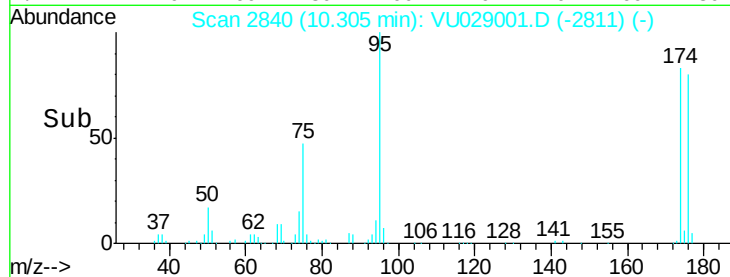
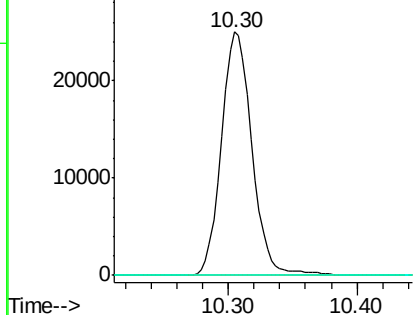
#81
trans-1,4-Dichloro-2-butene
Concen: 54.122 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.21 min
Lab File: VU029001.D
Acq: 03 Jan 2019 16:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 40947
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

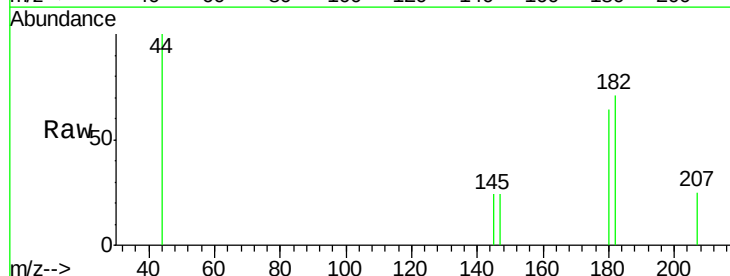


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

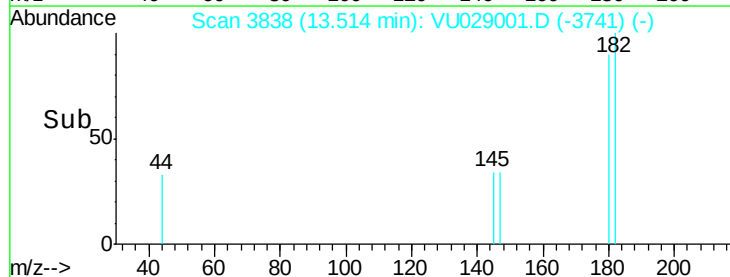
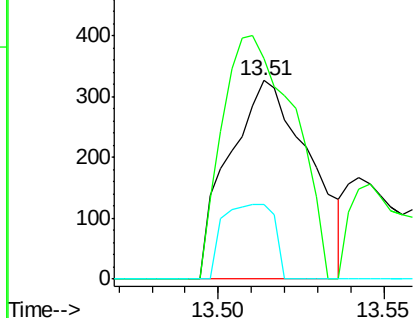


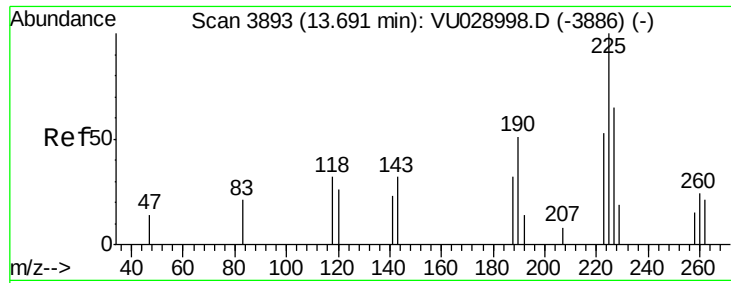
#93
1,2,4-Trichlorobenzene
Concen: 0.304 ug/l
RT: 13.51 min Scan# 3838
Delta R.T. 0.01 min
Lab File: VU029001.D
Acq: 03 Jan 2019 16:48

Tgt Ion:180 Resp: 551
Ion Ratio Lower Upper
180 100
182 109.6 47.5 142.6
145 24.0 14.0 42.0



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





#94

Hexachlorobutadiene

Concen: 0.288 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU029001.D

Acq: 03 Jan 2019 16:48

Instrument :

MSVOA_U

ClientSampleId :

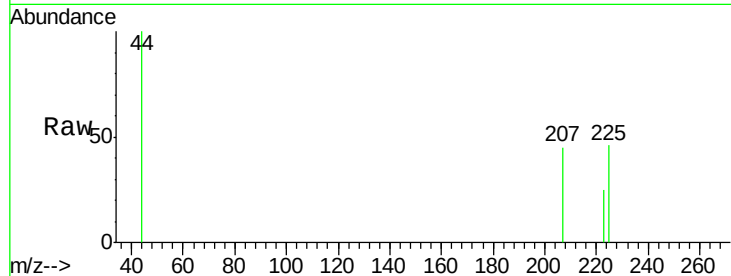
Tot Ion:225 Resp: 239

Ion Ratio Lower Upper

225 100

223 50.2 31.4 94.0

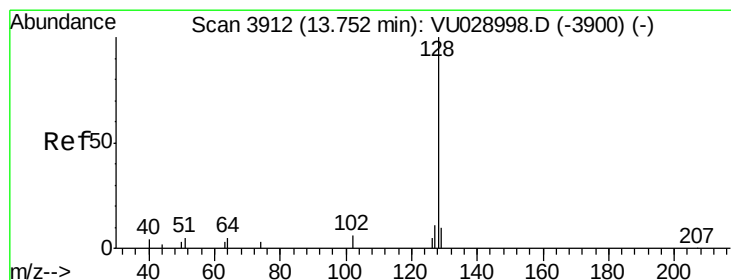
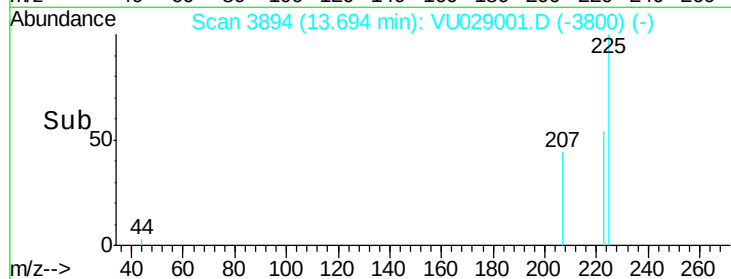
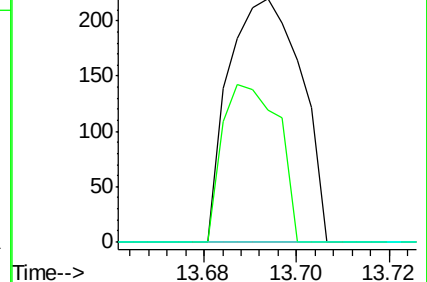
227 0.0 31.9 95.5#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.503 ug/l

RT: 13.76 min Scan# 3914

Delta R.T. 0.02 min

Lab File: VU029001.D

Acq: 03 Jan 2019 16:48

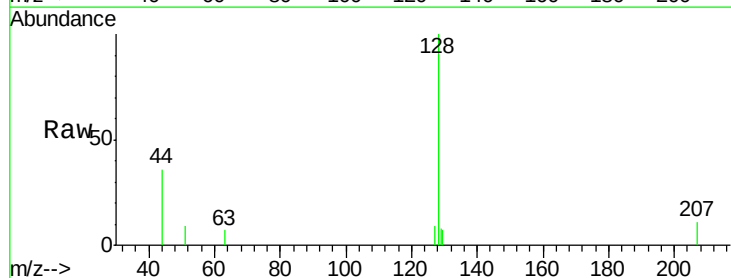
Tgt Ion:128 Resp: 3098

Ion Ratio Lower Upper

128 100

127 6.3 10.1 15.1#

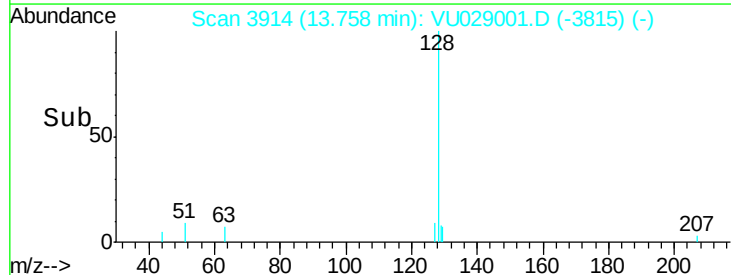
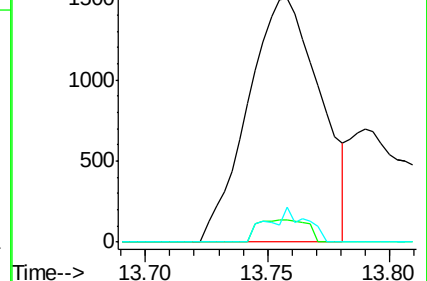
129 7.4 8.5 12.7#

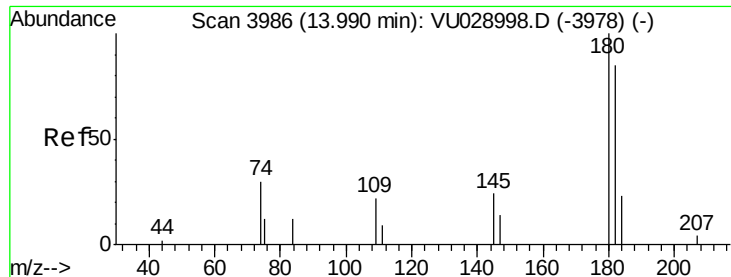


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

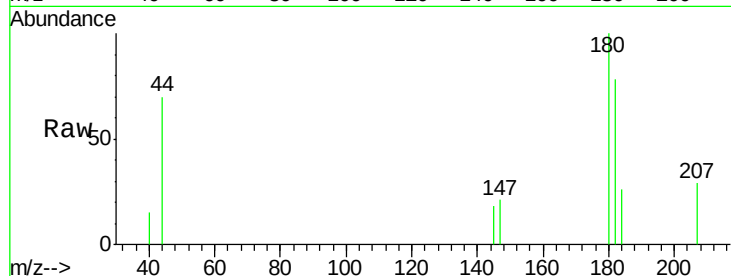
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.278 ug/l
 RT: 14.00 min Scan# 3989
 Delta R.T. 0.01 min
 Lab File: VU029001.D
 Acq: 03 Jan 2019 16:48

Instrument :
 MSVOA_U
 ClientSampleId :



Tot Ion:	180	Resp:	952
Ion	Ratio	Lower	Upper
180	100		
182	123.2	48.1	144.3
145	18.0	14.8	44.4

