

Data File : VU028161.D
Acq On : 15 Nov 2018 10:04
Operator : MD/SY
Sample : VU1115WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK58

Quant Time: Nov 16 00:46:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 16 00:43:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	132733	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	122751	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	53379	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	45396	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.68	69	38713	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.27	63	67370	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.20	46	162966	51.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.02%
24) Chloroform-d	4.65	84	83170	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.31	65	46732	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.34	84	169219	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.33	67	62692	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.57	98	147743	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.85	79	18847	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.31	63	124639	48.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	41114	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	47792	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

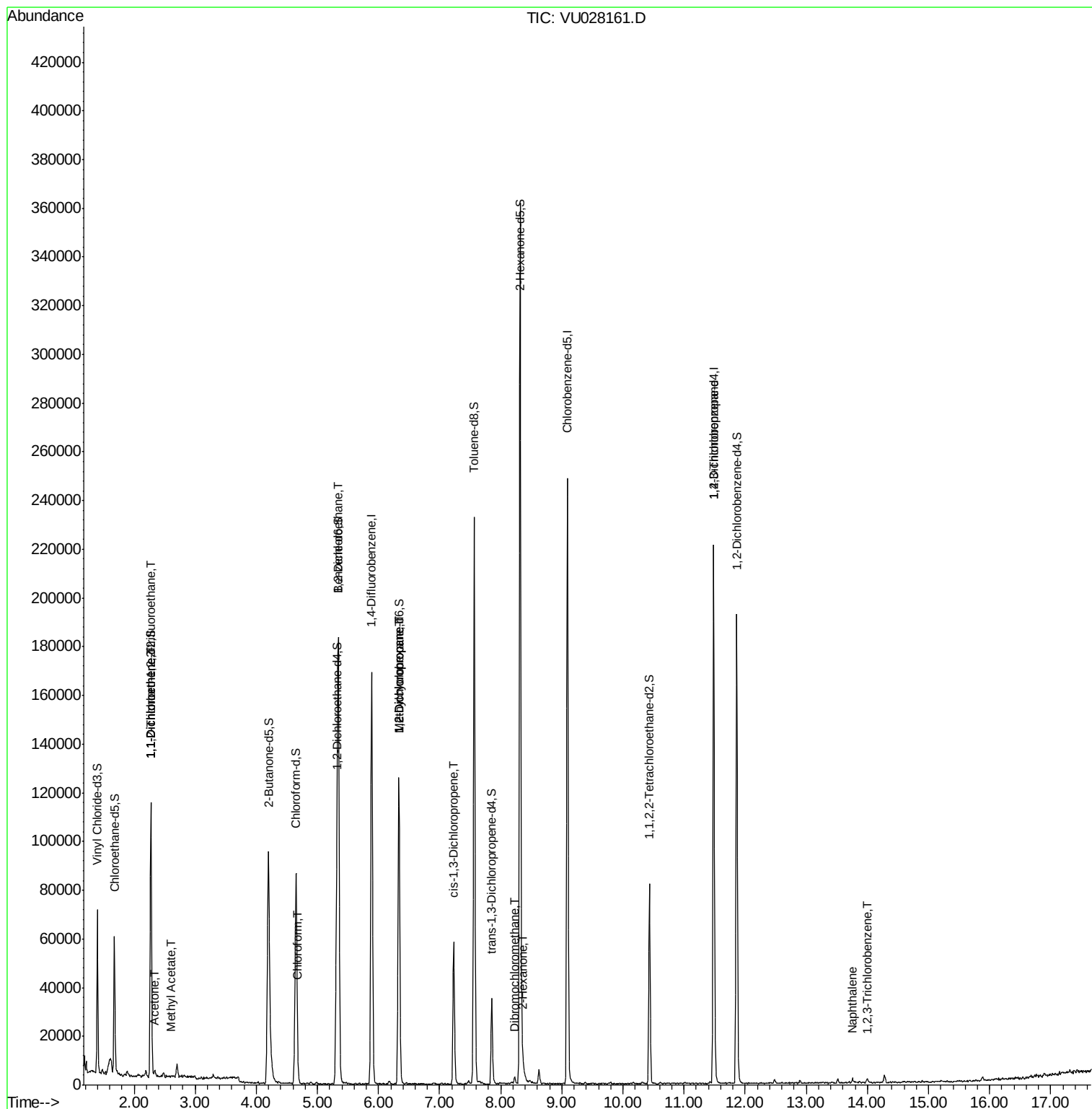
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	396	0.045	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	600	0.068	ug/L #	1
13) Acetone	2.33	43	1462	0.680	ug/L	84
15) Methyl Acetate	2.61	43	619	0.108	ug/L #	58
25) Chloroform	4.68	83	907	0.051	ug/L	93
27) 1,2-Dichloroethane	5.33	62	901	0.077	ug/L #	76
35) Methylcyclohexane	6.33	83	12590	0.717	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	6249	0.546	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1336	0.086	ug/L	97
48) 2-Hexanone	8.37	43	2600	0.464	ug/L #	46
49) Dibromochloromethane	8.22	129	539	0.073	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	8139	1.267	ug/L	95
69) Naphthalene	13.76	128	1609	0.077	ug/L #	88
70) 1,2,3-Trichlorobenzene	14.00	180	919	0.088	ug/L #	92

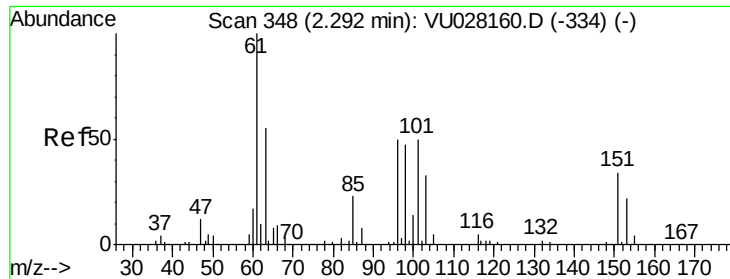
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.045 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU028161.D

Acq: 15 Nov 2018 10:04

Instrument :

MSVOA_U

ClientSampleId :

VBLK58

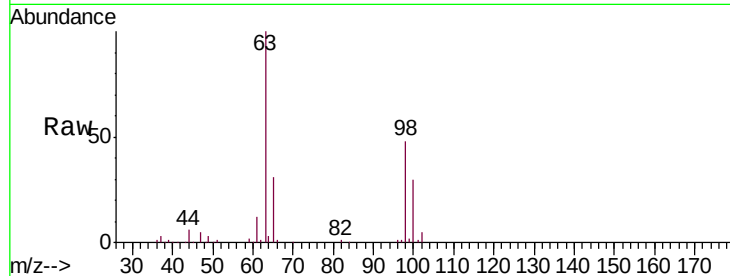
Tgt Ion: 101 Resp: 396

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

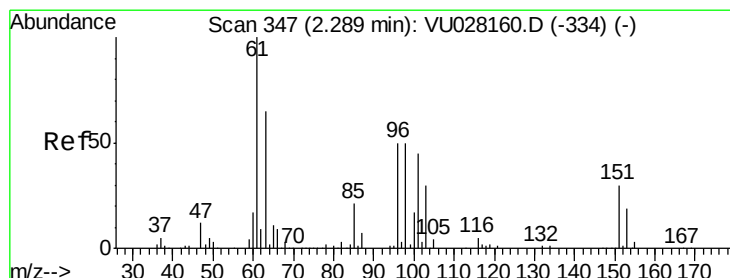
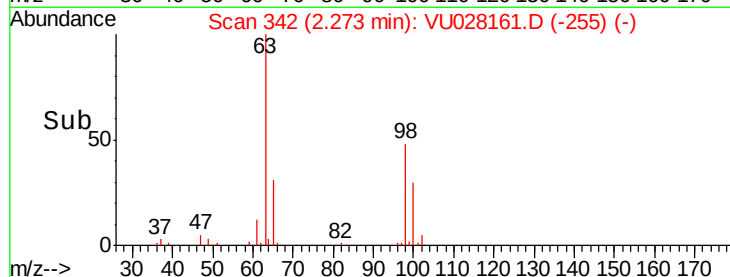
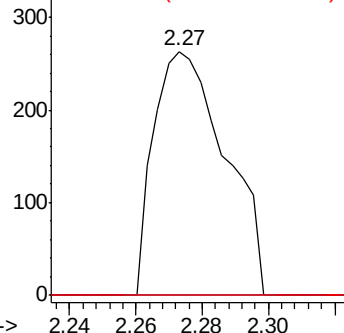
151 0.0 58.2 87.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.068 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028161.D

Acq: 15 Nov 2018 10:04

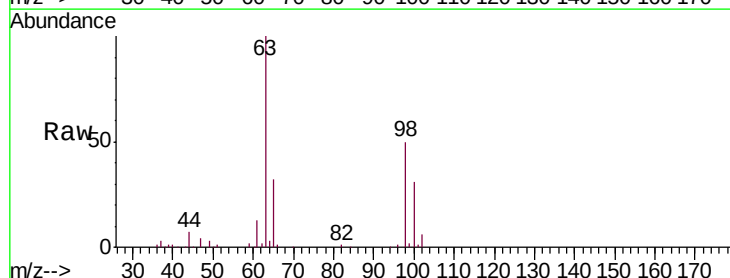
Tgt Ion: 96 Resp: 600

Ion Ratio Lower Upper

96 100

61 1583.3 134.8 250.3#

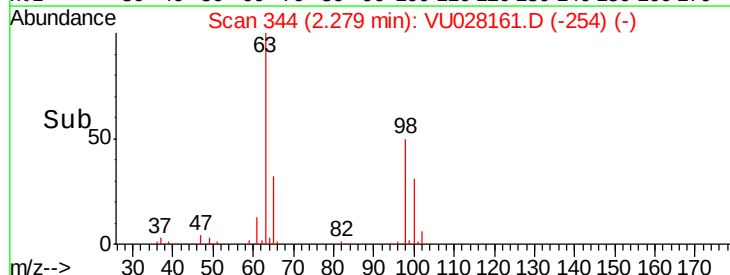
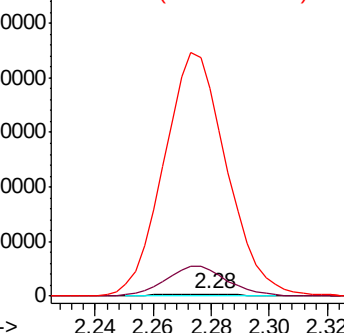
63 12493.1 100.1 185.9#

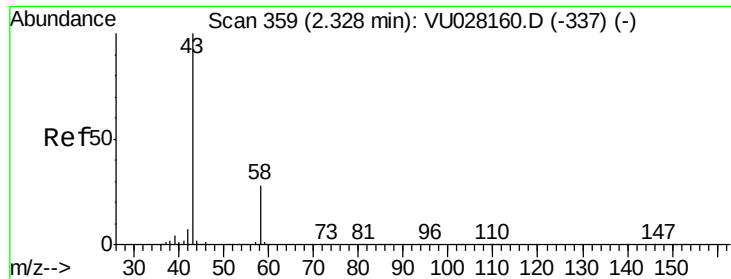


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.680 ug/L

RT: 2.33 min Scan# 361

Delta R.T. 0.01 min

Lab File: VU028161.D

Acq: 15 Nov 2018 10:04

Instrument :

MSVOA_U

ClientSampleId :

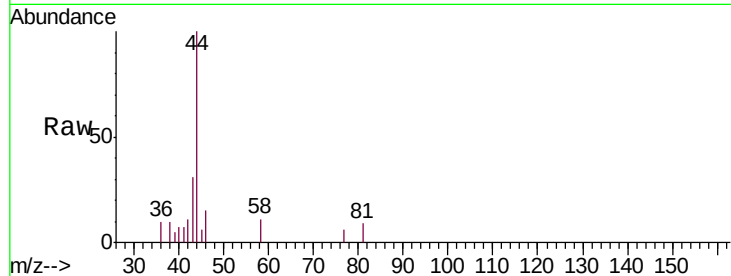
VBLK58

Tgt Ion: 43 Resp: 1462

Ion Ratio Lower Upper

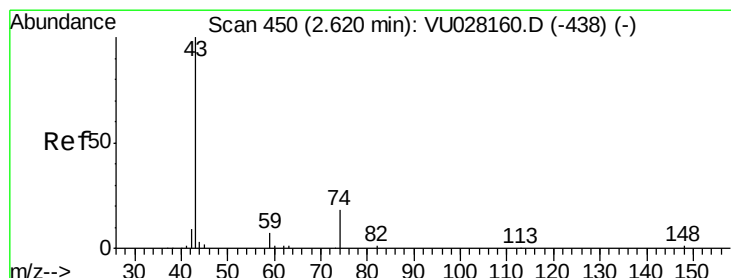
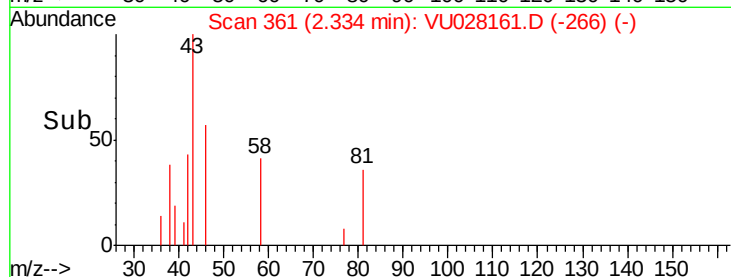
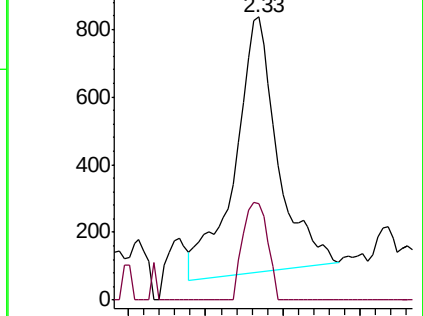
43 100

58 22.2 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#15

Methyl Acetate

Concen: 0.108 ug/L

RT: 2.61 min Scan# 448

Delta R.T. -0.01 min

Lab File: VU028161.D

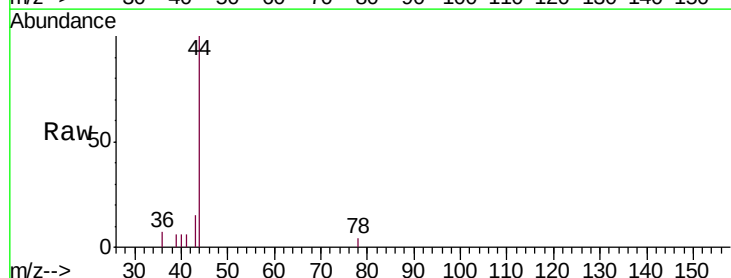
Acq: 15 Nov 2018 10:04

Tgt Ion: 43 Resp: 619

Ion Ratio Lower Upper

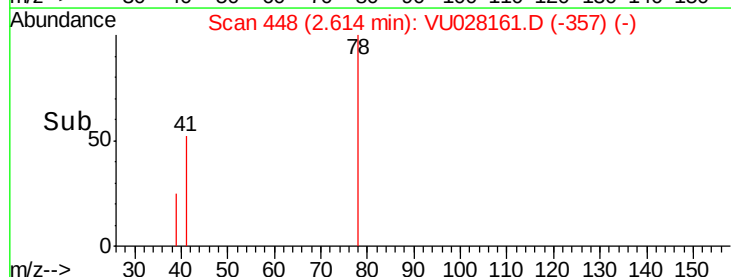
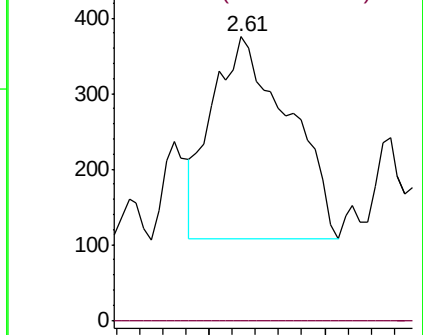
43 100

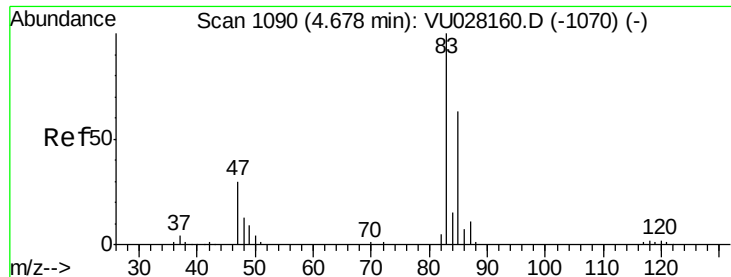
74 0.0 14.9 22.3#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

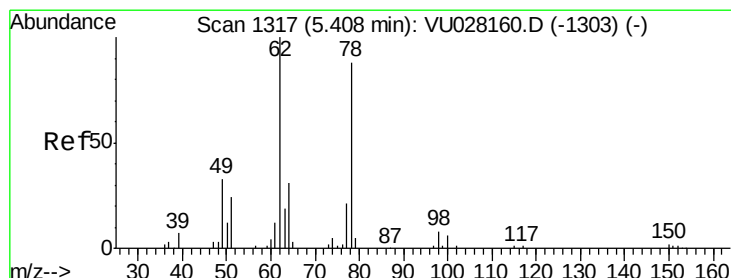
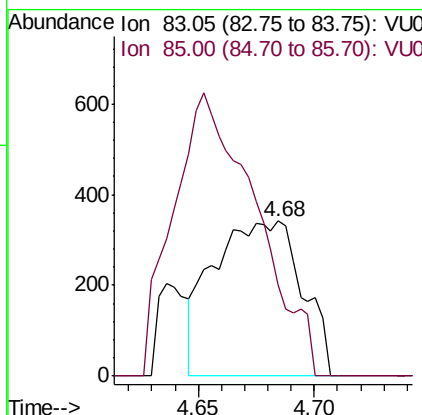
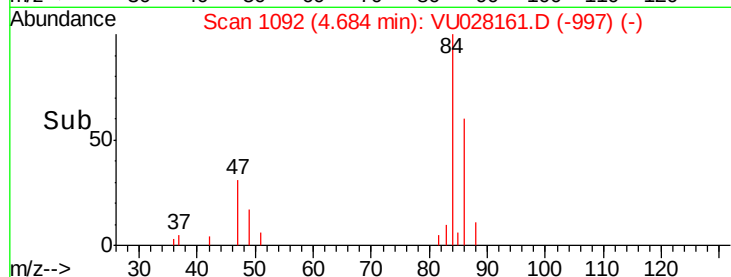
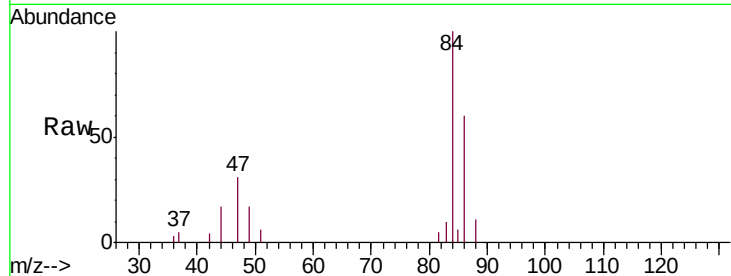




#25
Chloroform
Concen: 0.051 ug/L
RT: 4.68 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VU028161.D
Acq: 15 Nov 2018 10:04

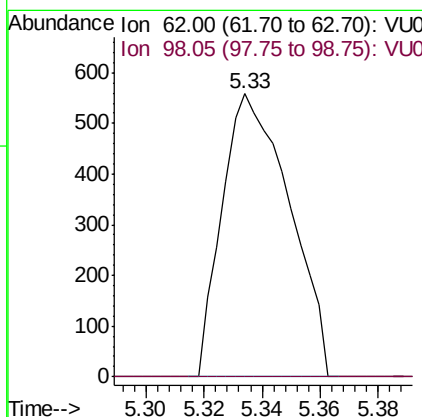
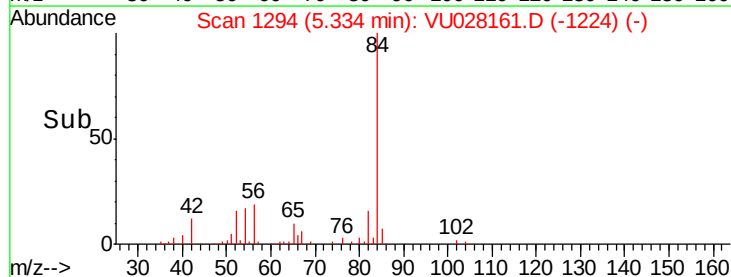
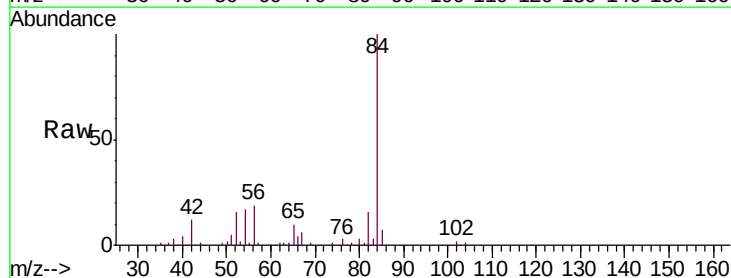
Instrument :
MSVOA_U
ClientSampleId :
VBLK58

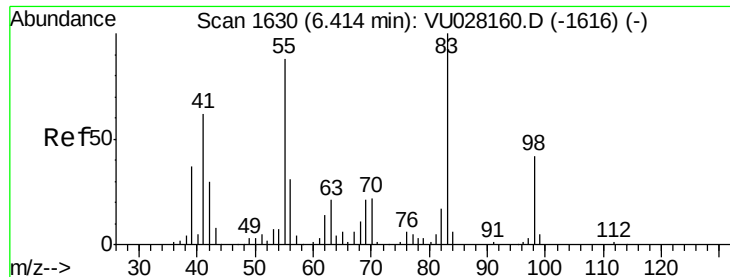
Tgt Ion: 83 Resp: 907
Ion Ratio Lower Upper
83 100
85 59.1 45.0 83.6



#27
1,2-Dichloroethane
Concen: 0.077 ug/L
RT: 5.33 min Scan# 1294
Delta R.T. -0.07 min
Lab File: VU028161.D
Acq: 15 Nov 2018 10:04

Tgt Ion: 62 Resp: 901
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.4#

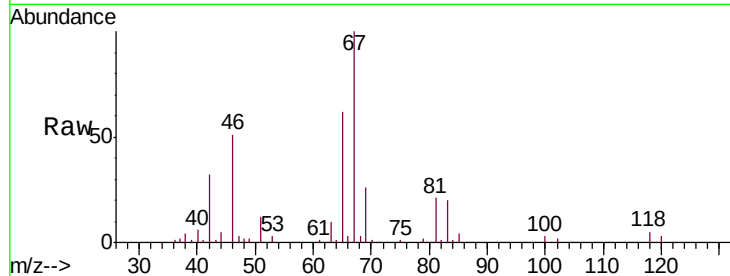




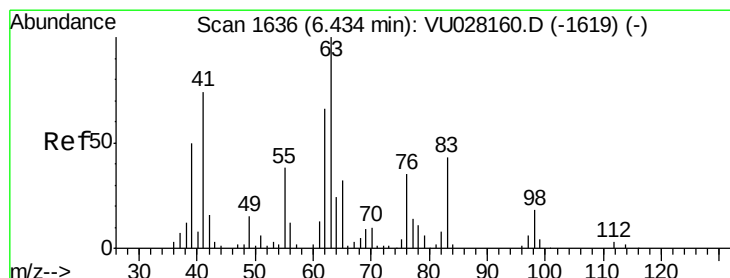
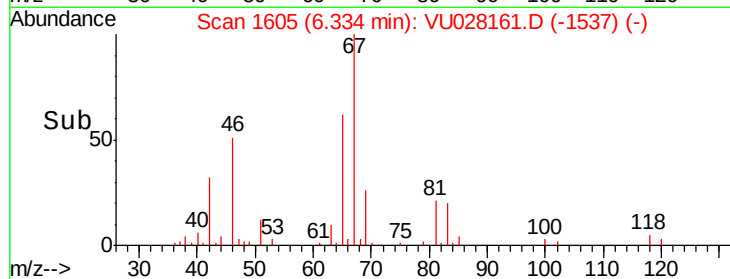
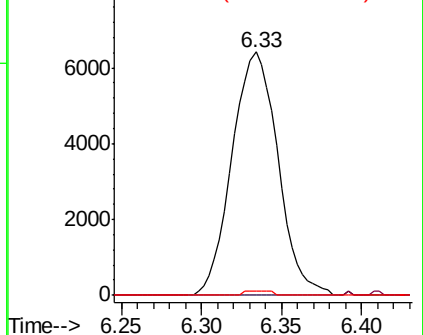
#35
Methylcyclohexane
Concen: 0.717 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028161.D
Acq: 15 Nov 2018 10:04

Instrument :
MSVOA_U
ClientSampleId :
VBLK58

Tgt Ion: 83 Resp: 12590
Ion Ratio Lower Upper
83 100
55 0.2 69.0 103.4#
98 1.1 33.3 49.9#

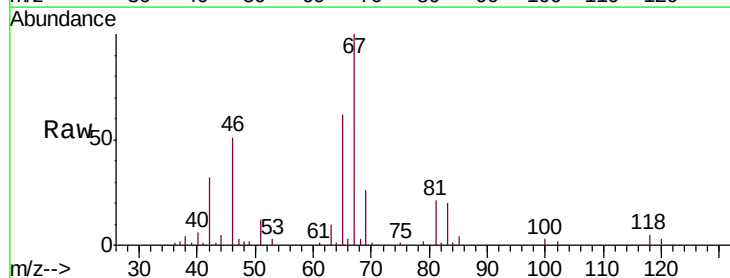


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

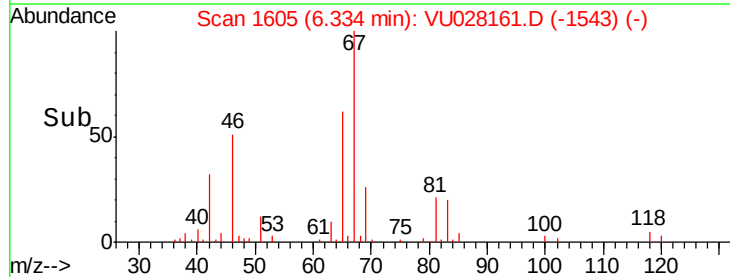
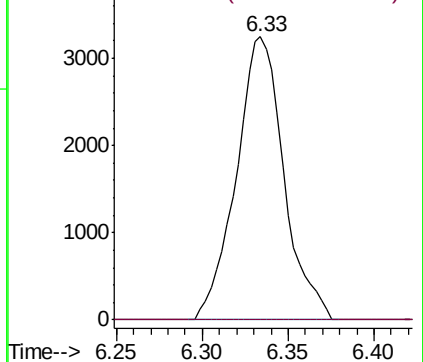


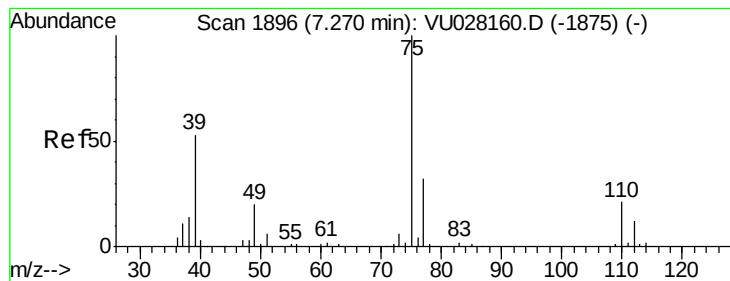
#37
1,2-Dichloropropane
Concen: 0.546 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028161.D
Acq: 15 Nov 2018 10:04

Tgt Ion: 63 Resp: 6249
Ion Ratio Lower Upper
63 100
112 0.0 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



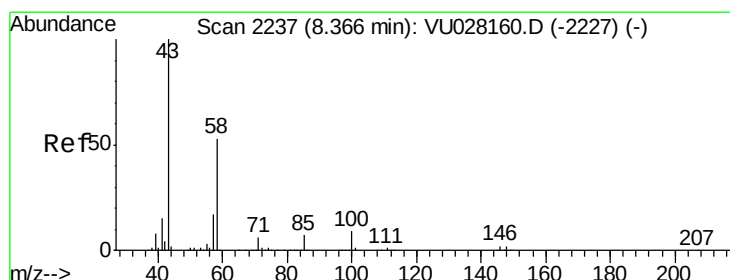
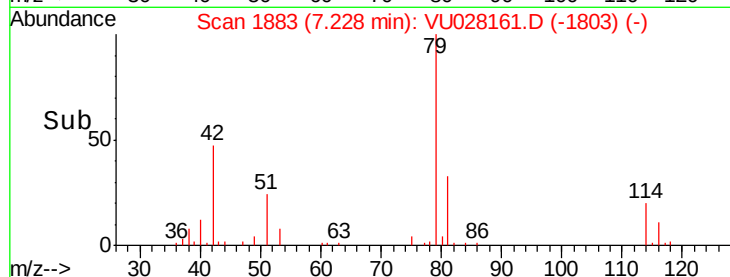
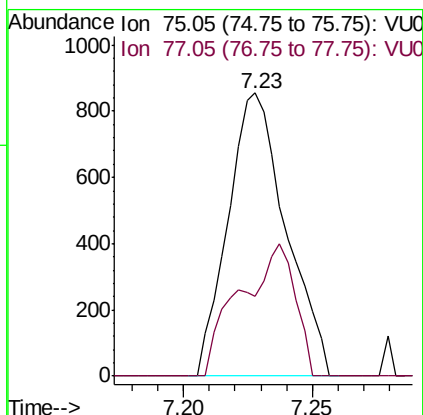
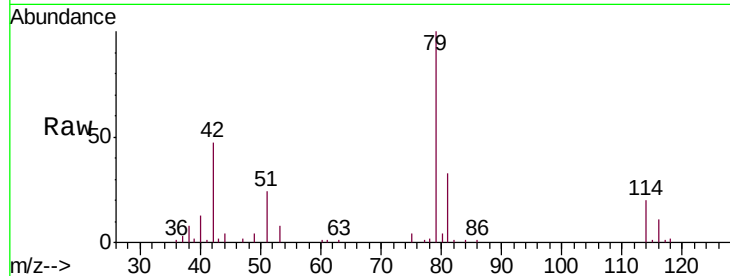


#39

cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028161.D
 Acq: 15 Nov 2018 10:04

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 ClientSampleID :
 VBLK58

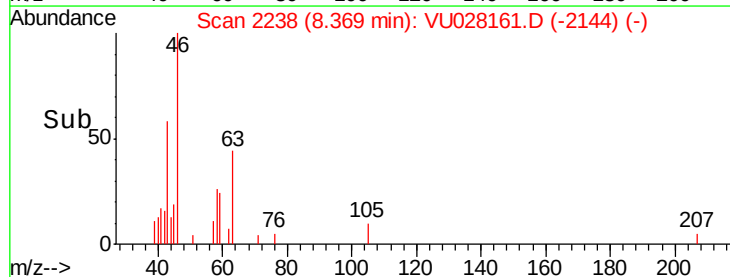
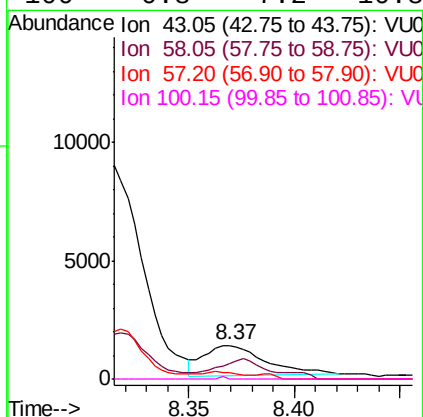
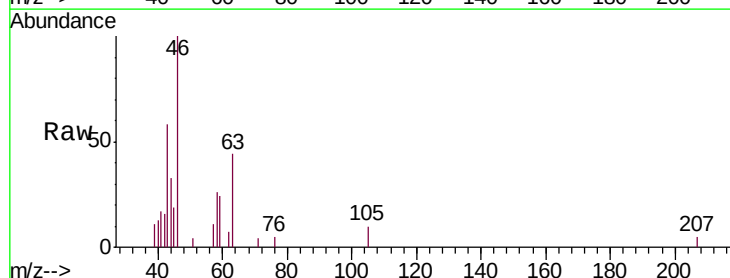
Tgt Ion: 75 Resp: 1336
 Ion Ratio Lower Upper
 75 100
 77 28.1 20.9 38.9

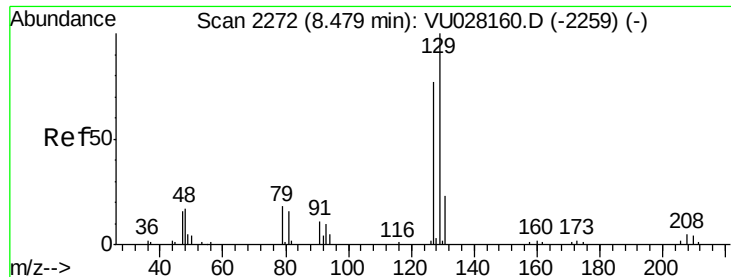


#48

2-Hexanone
 Concen: 0.464 ug/L
 RT: 8.37 min Scan# 2238
 Delta R.T. 0.00 min
 Lab File: VU028161.D
 Acq: 15 Nov 2018 10:04

Tgt Ion: 43 Resp: 2600
 Ion Ratio Lower Upper
 43 100
 58 0.0 41.7 62.5#
 57 12.7 14.0 21.0#
 100 0.8 7.2 10.8#





#49

Dibromochloromethane

Concen: 0.073 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028161.D

Acq: 15 Nov 2018 10:04

Instrument :

MSVOA_U

ClientSampled :

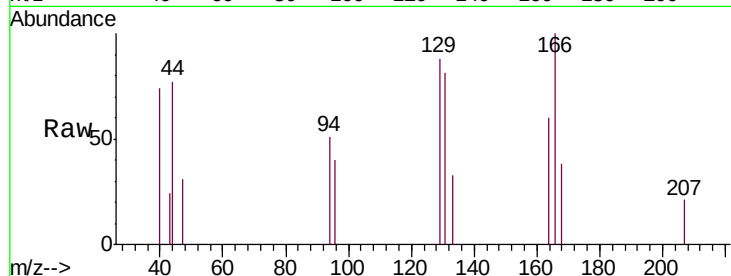
VBLK58

Tgt Ion: 129 Resp: 539

Ion Ratio Lower Upper

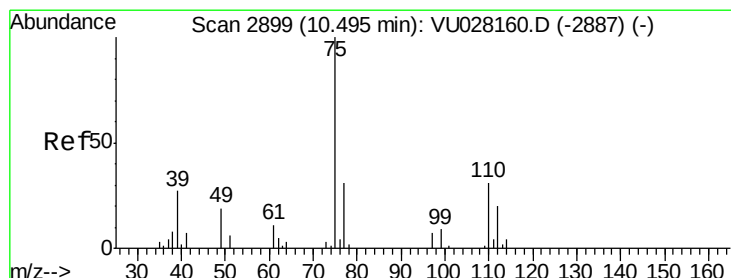
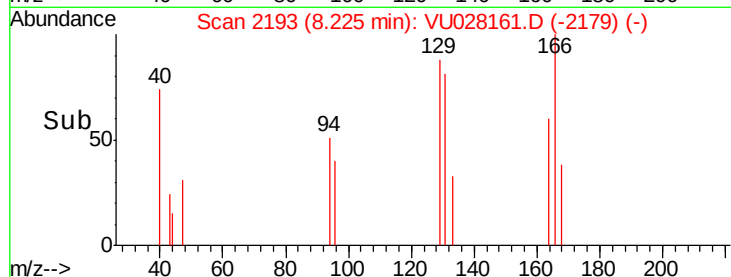
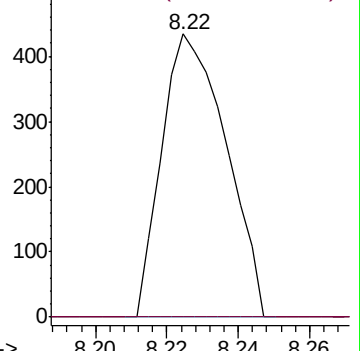
129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.267 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028161.D

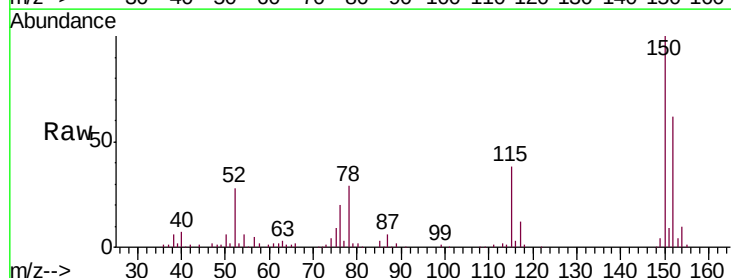
Acq: 15 Nov 2018 10:04

Tgt Ion: 75 Resp: 8139

Ion Ratio Lower Upper

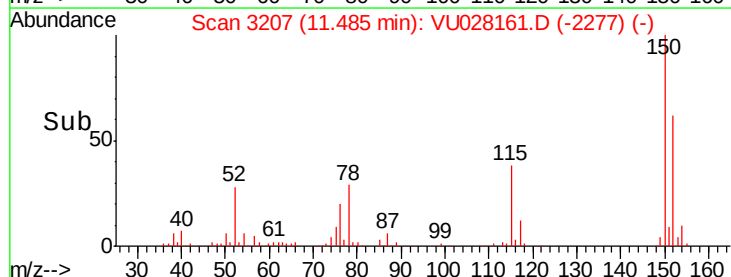
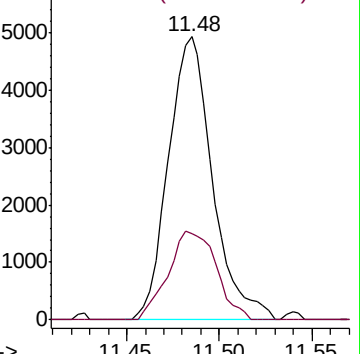
75 100

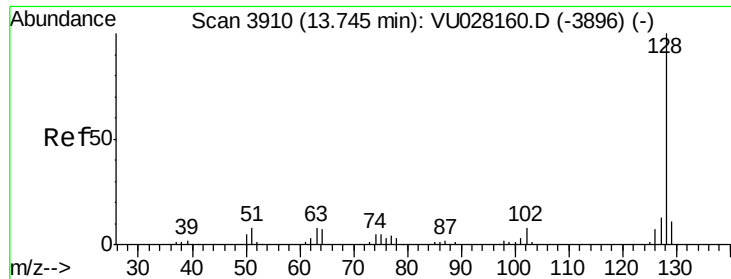
77 34.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 0.077 ug/L

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU028161.D

Acq: 15 Nov 2018 10:04

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VBLK58

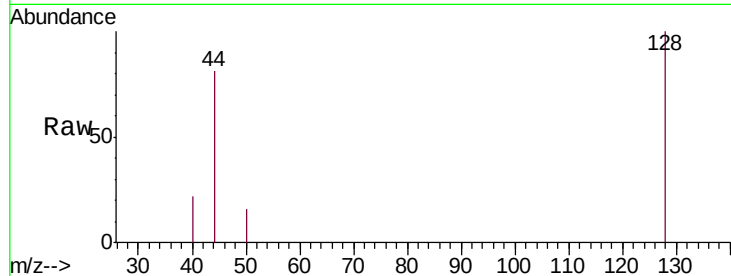
Tgt Ion:128 Resp: 1609

Ion Ratio Lower Upper

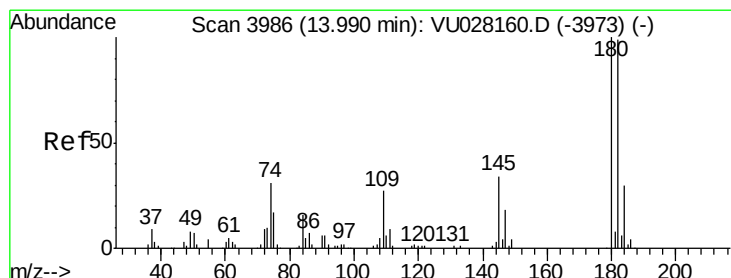
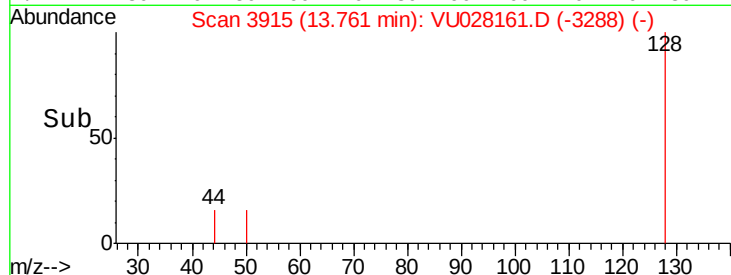
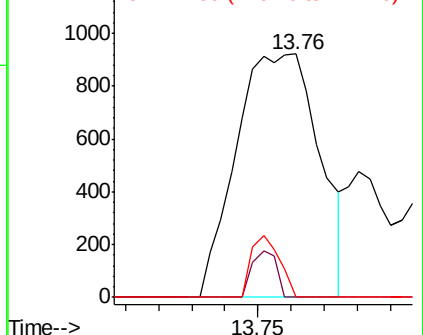
128 100

129 5.6 8.5 12.7#

127 8.6 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.088 ug/L

RT: 14.00 min Scan# 3988

Delta R.T. 0.01 min

Lab File: VU028161.D

Acq: 15 Nov 2018 10:04

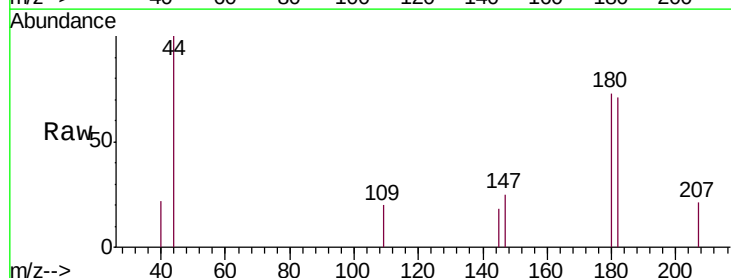
Tgt Ion:180 Resp: 919

Ion Ratio Lower Upper

180 100

182 101.1 77.6 116.4

145 22.4 26.2 39.4#



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

