

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091618\
 Data File : VU026808.D
 Acq On : 16 Sep 2018 05:14
 Operator : MD/SY
 Sample : J4918-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY5

Quant Time: Sep 17 07:15:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091618WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 07:09:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	115004	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	93461	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	35606	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41175	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.68	69	35431	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.28	63	68632	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.00%
20) 2-Butanone-d5	4.21	46	93290	48.39	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.78%
24) Chloroform-d	4.65	84	69972	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.31	65	37440	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.34	84	145424	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.20%
36) 1,2-Dichloropropane-d6	6.33	67	46110	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.80%
41) Toluene-d8	7.57	98	105305	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	7.85	79	13064	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.32	63	56014	45.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	33490	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	38514	5.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.60%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	650	0.071 ug/L #	18
12) 1,1-Dichloroethene	2.29	96	23318	2.721 ug/L #	74
13) Acetone	2.34	43	2433	1.419 ug/L	63
15) Methyl Acetate	2.49	43	10130	2.253 ug/L #	52
19) 1,1-Dichloroethane	3.45	63	1604	0.091 ug/L #	75
22) cis-1,2-Dichloroethene	4.23	96	10219	1.004 ug/L	99
25) Chloroform	4.68	83	2997	0.177 ug/L	80
29) 1,1,1-Trichloroethane	4.92	97	4134	0.307 ug/L	97
34) Trichloroethene	6.19	95	12042	1.351 ug/L	97
35) Methylcyclohexane	6.33	83	10879	0.751 ug/L #	16
37) 1,2-Dichloropropane	6.34	63	4962	0.534 ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	999	0.080 ug/L #	66
48) 2-Hexanone	8.37	43	1063	0.275 ug/L #	55
59) 1,2,3-Trichloropropane	11.48	75	4434	0.812 ug/L	96
69) Naphthalene	13.75	128	5741	0.456 ug/L #	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 07:09:54 2018
Response via : Initial Calibration

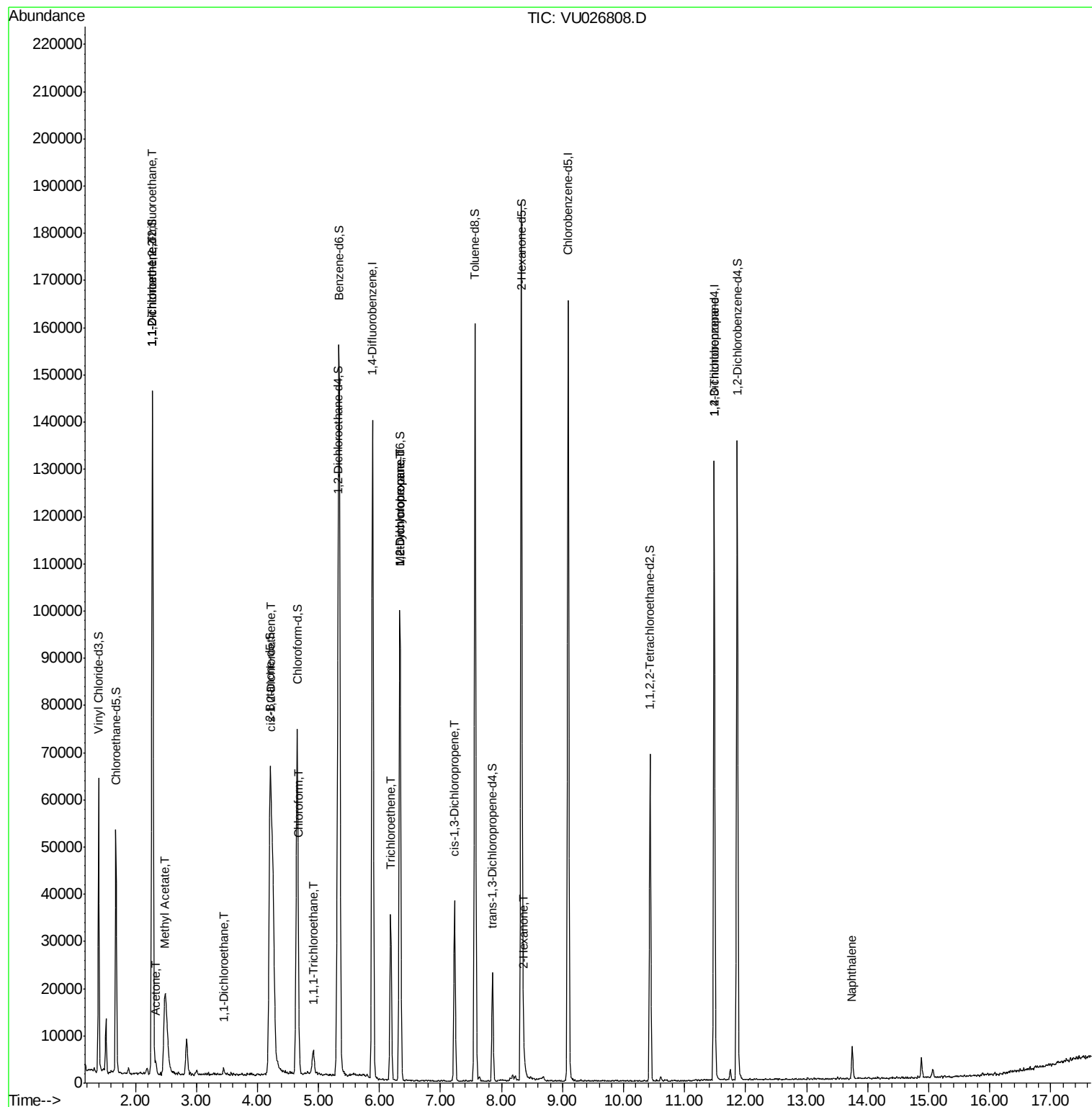
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

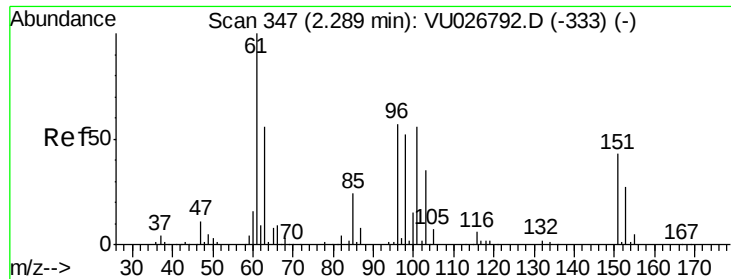
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Response via : Initial Calibration





#10

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

Concen: 0.071 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU026808.D

Acq: 16 Sep 2018 05:14

Instrument :

MSVOA_U

ClientSampleId :

C0KY5

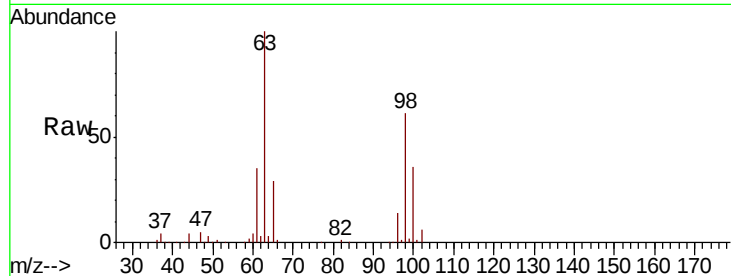
Tgt Ion: 101 Resp: 650

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

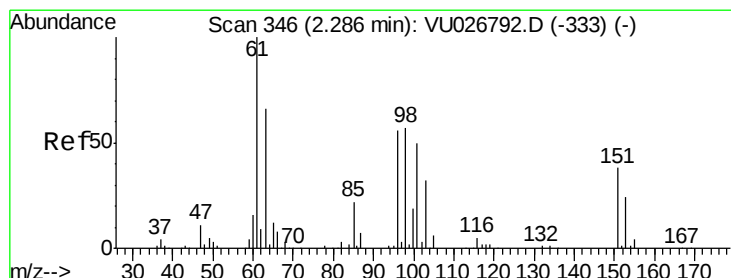
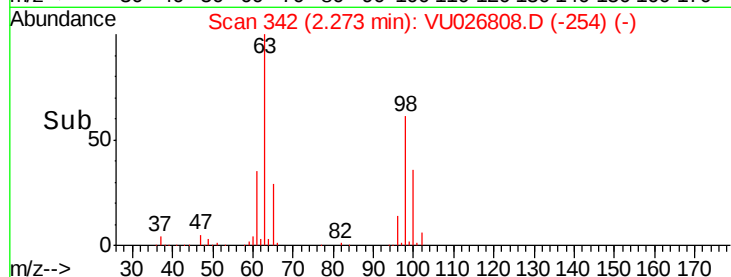
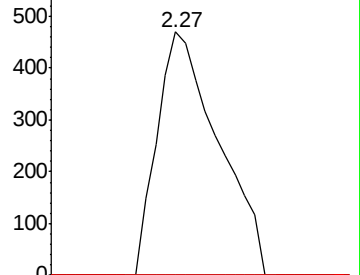
151 0.0 63.3 94.9#



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: 2.721 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026808.D

Acq: 16 Sep 2018 05:14

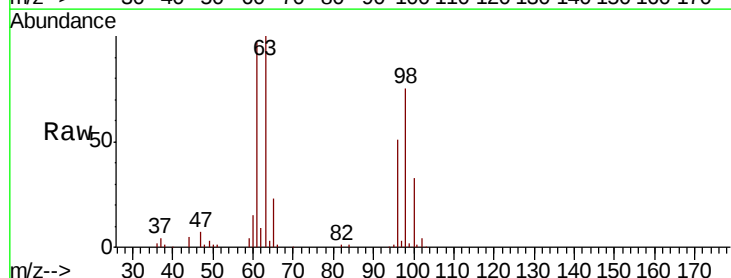
Tgt Ion: 96 Resp: 23318

Ion Ratio Lower Upper

96 100

61 188.3 126.6 235.2

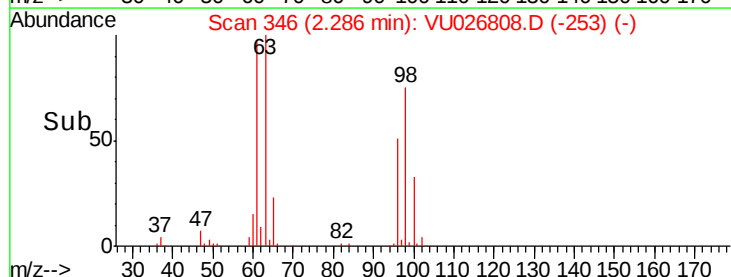
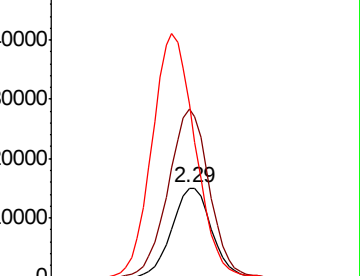
63 194.2 91.3 169.5#

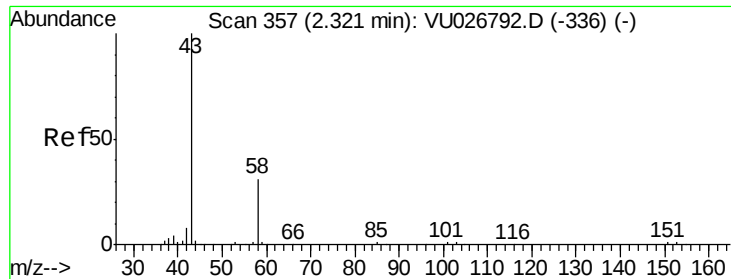


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.419 ug/L

RT: 2.34 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU026808.D

Acq: 16 Sep 2018 05:14

Instrument :

MSVOA_U

ClientSampleId :

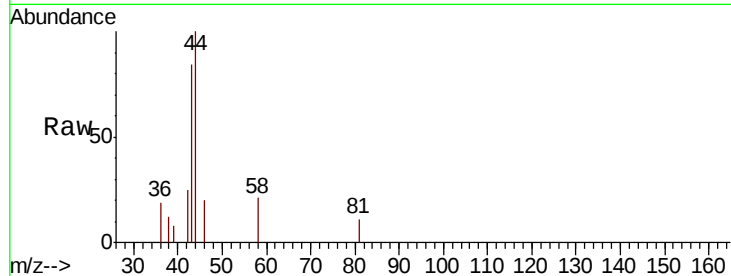
C0KY5

Tgt Ion: 43 Resp: 2433

Ion Ratio Lower Upper

43 100

58 10.9 0.0 63.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.34

1500

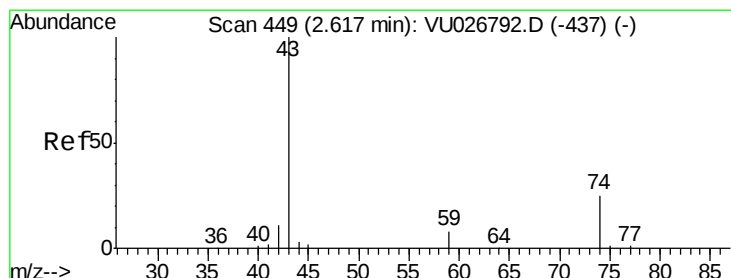
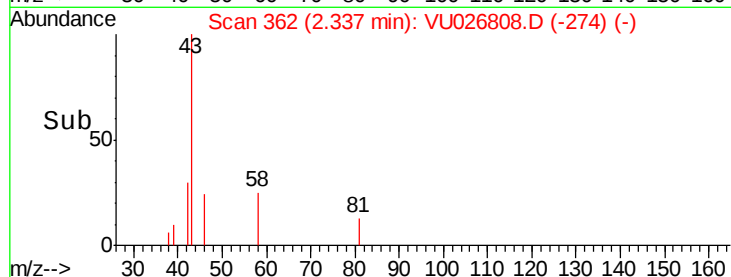
1000

500

0

Time-->

2.30 2.35 2.40



#15

Methyl Acetate

Concen: 2.253 ug/L

RT: 2.49 min Scan# 411

Delta R.T. -0.13 min

Lab File: VU026808.D

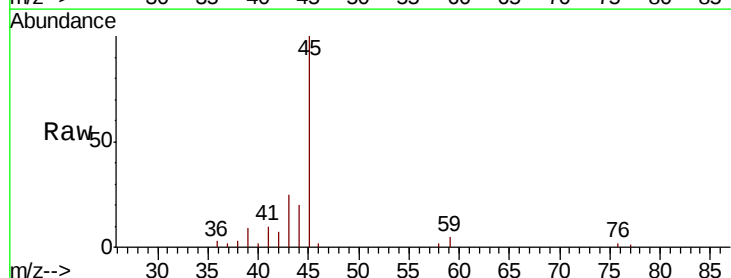
Acq: 16 Sep 2018 05:14

Tgt Ion: 43 Resp: 10130

Ion Ratio Lower Upper

43 100

74 0.0 18.5 27.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.49

2500

2000

1500

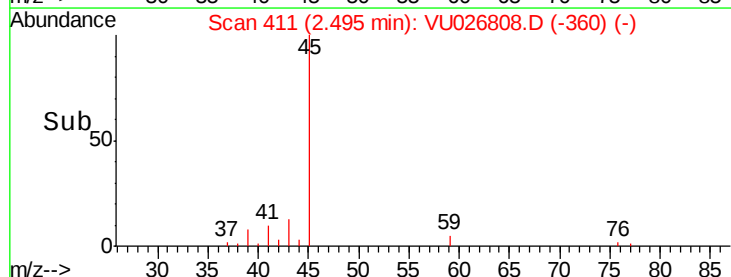
1000

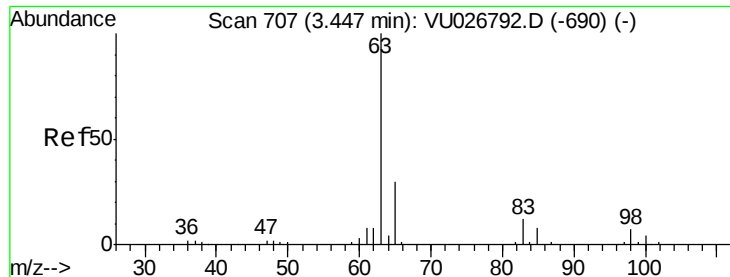
500

0

Time-->

2.40 2.50 2.60

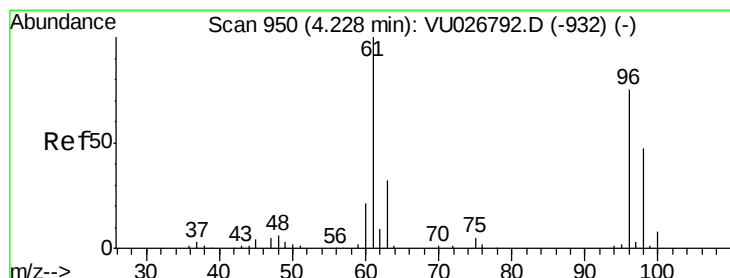
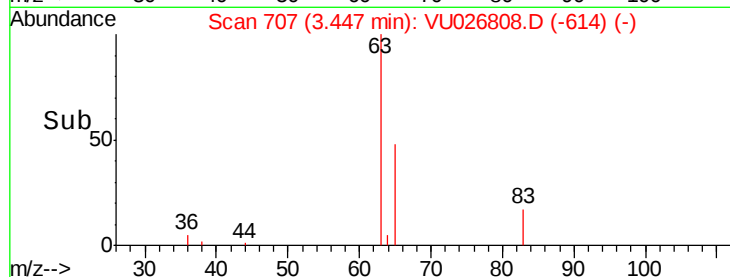
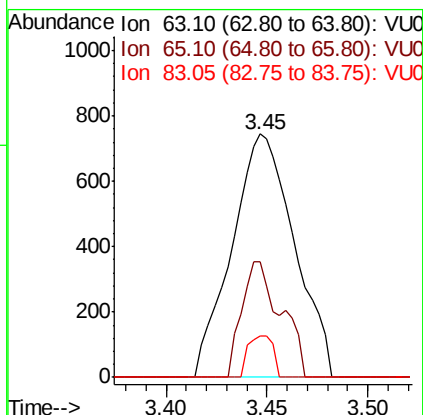
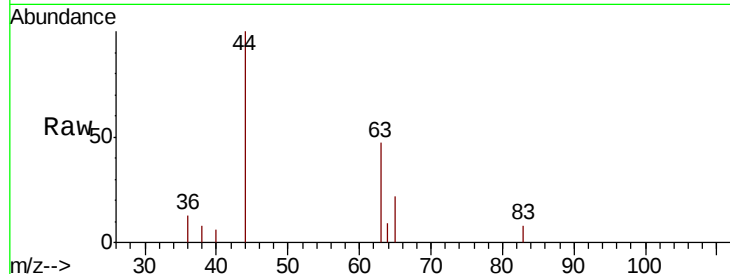




#19
 1,1-Dichloroethane
 Concen: 0.091 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU026808.D
 Acq: 16 Sep 2018 05:14

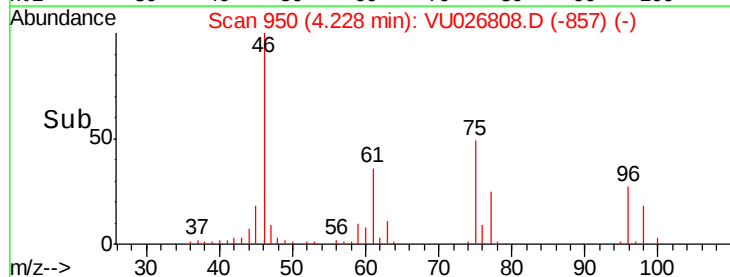
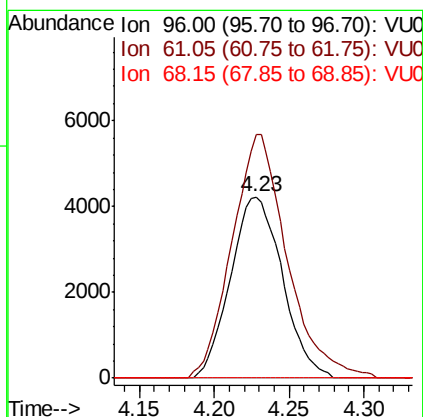
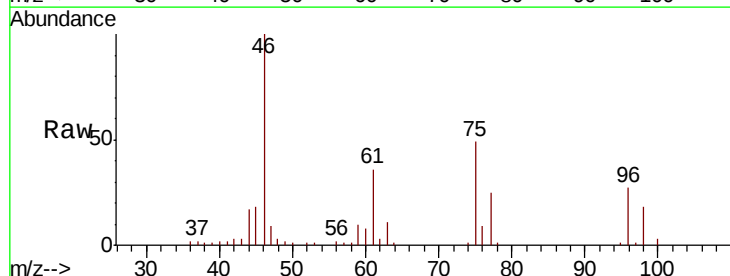
Instrument :
 MSVOA_U
 ClientSampleID :
 C0KY5

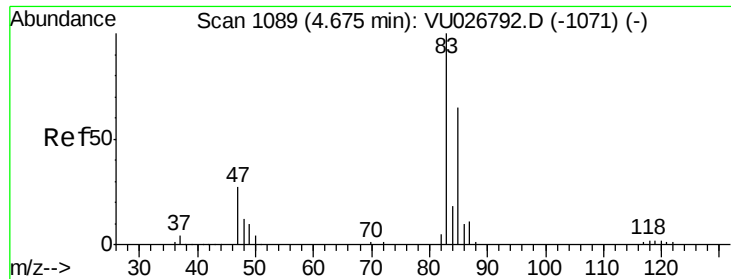
Tgt Ion: 63 Resp: 1604
 Ion Ratio Lower Upper
 63 100
 65 47.7 21.7 40.3#
 83 17.0 9.0 16.6#



#22
 cis-1,2-Dichloroethene
 Concen: 1.004 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026808.D
 Acq: 16 Sep 2018 05:14

Tgt Ion: 96 Resp: 10219
 Ion Ratio Lower Upper
 96 100
 61 133.9 94.4 175.2
 68 0.0 0.0 0.0

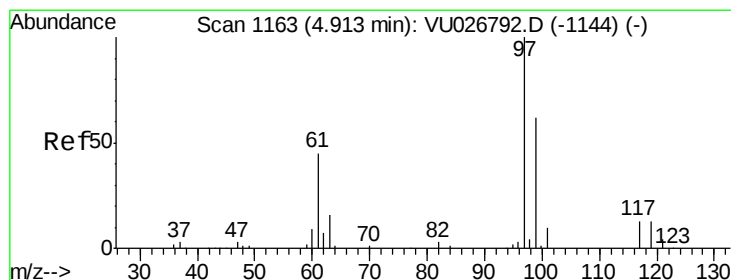
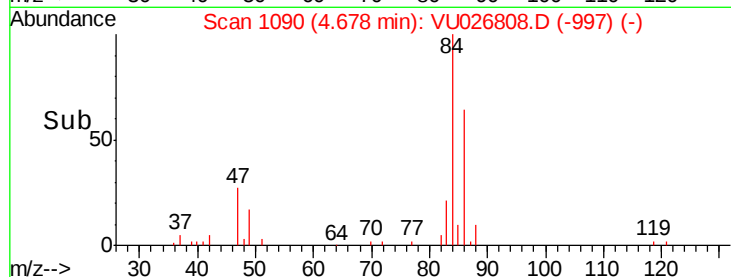
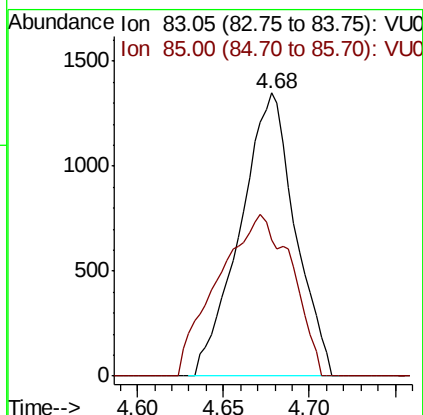
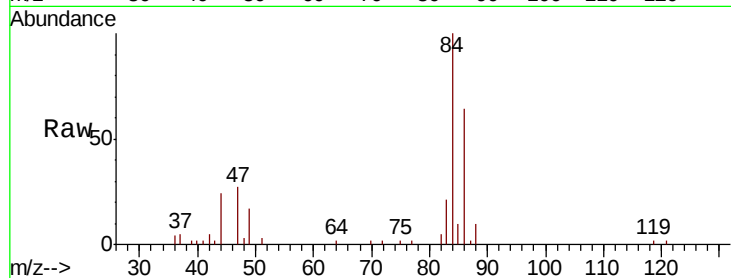




#25
Chloroform
Concen: 0.177 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026808.D
Acq: 16 Sep 2018 05:14

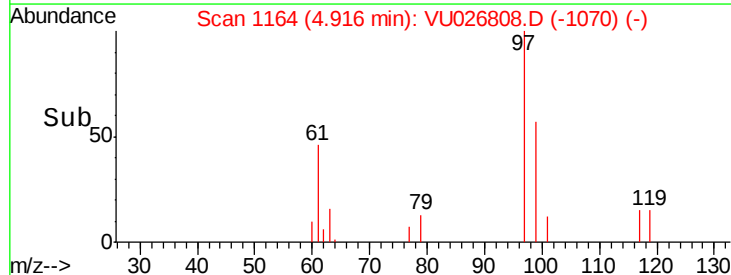
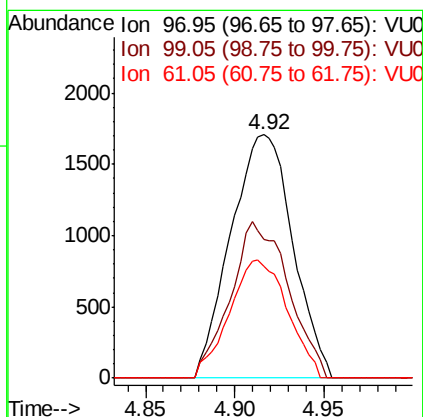
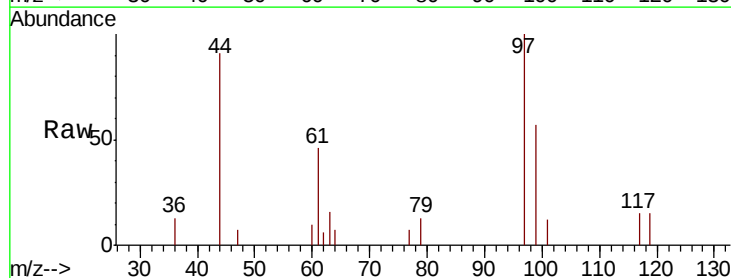
Instrument :
MSVOA_U
ClientSampleId :
C0KY5

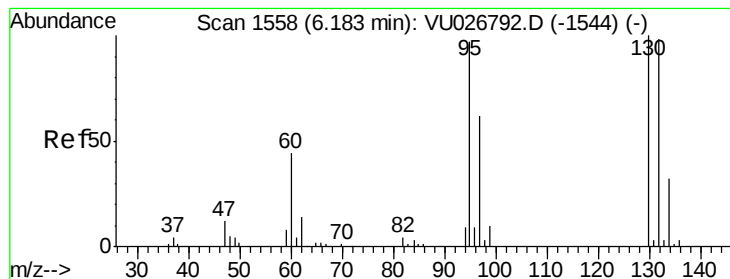
Tgt Ion: 83 Resp: 2997
Ion Ratio Lower Upper
83 100
85 48.4 44.8 83.2



#29
1,1,1-Trichloroethane
Concen: 0.307 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026808.D
Acq: 16 Sep 2018 05:14

Tgt Ion: 97 Resp: 4134
Ion Ratio Lower Upper
97 100
99 59.9 51.5 77.3
61 45.5 36.6 54.8





#34

Trichloroethene

Concen: 1.351 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU026808.D

Acq: 16 Sep 2018 05:14

Instrument :

MSVOA_U

ClientSampleId :

C0KY5

Tgt Ion: 95 Resp: 12042

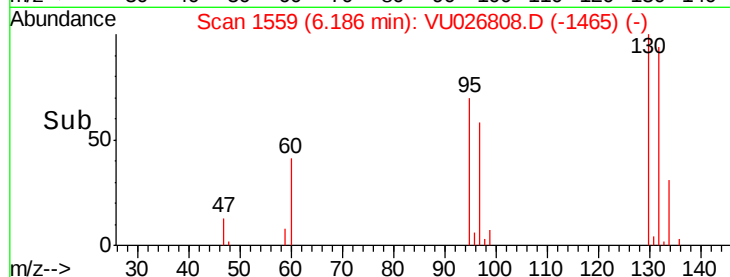
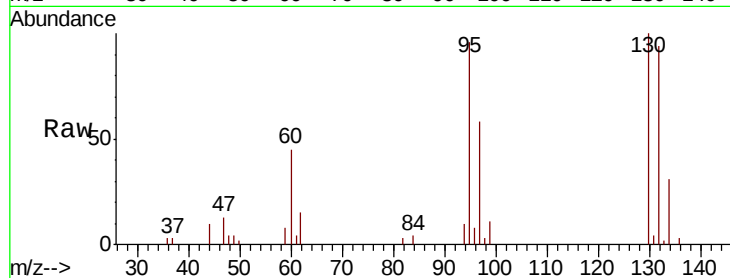
Ion Ratio Lower Upper

95 100

97 61.0 45.1 83.9

132 98.4 72.0 133.8

130 104.6 73.1 135.7

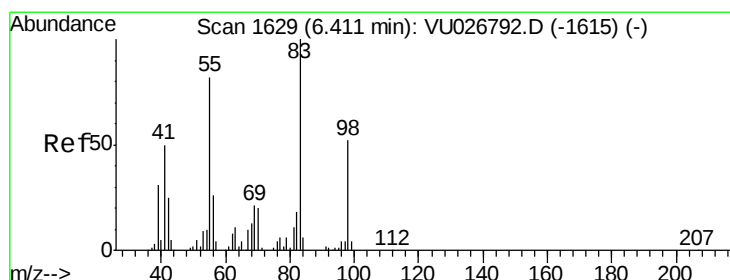
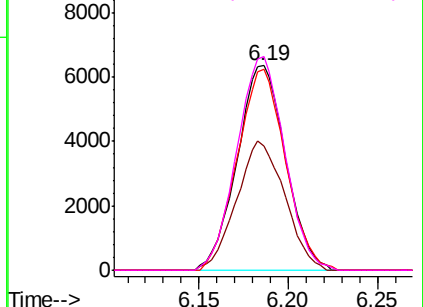


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.751 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU026808.D

Acq: 16 Sep 2018 05:14

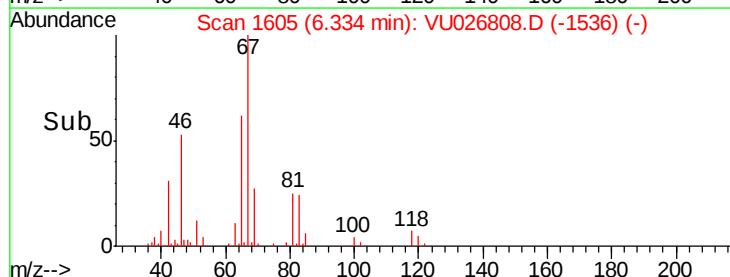
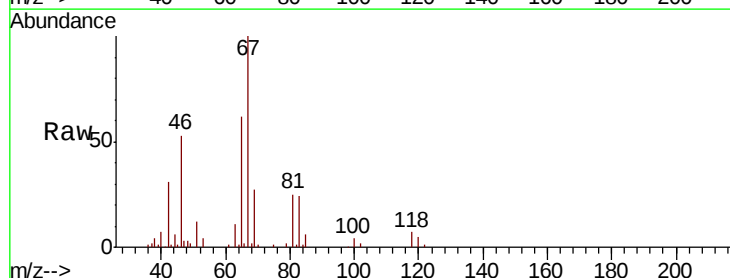
Tgt Ion: 83 Resp: 10879

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

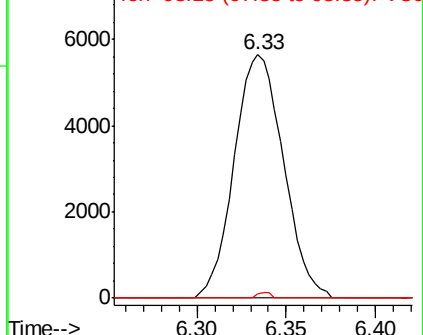
98 0.7 39.3 58.9#

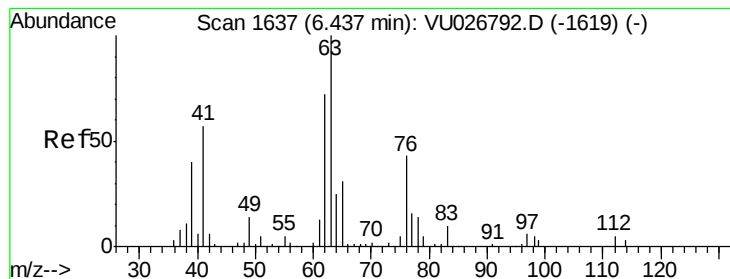


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.534 ug/L

RT: 6.34 min Scan# 1606

Delta R.T. -0.10 min

Lab File: VU026808.D

Acq: 16 Sep 2018 05:14

Instrument :

MSVOA_U

ClientSampleId :

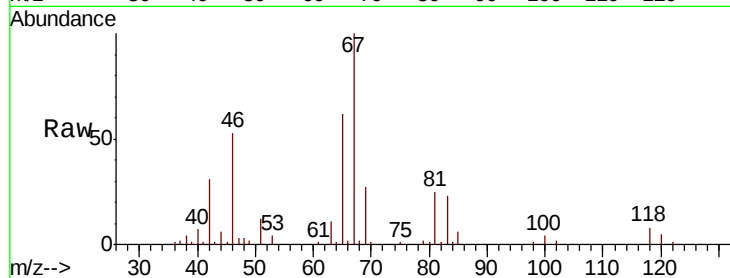
C0KY5

Tgt Ion: 63 Resp: 4962

Ion Ratio Lower Upper

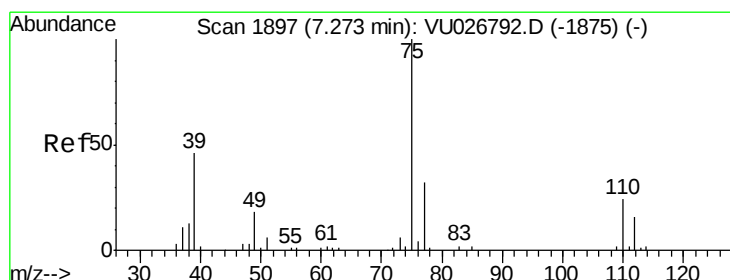
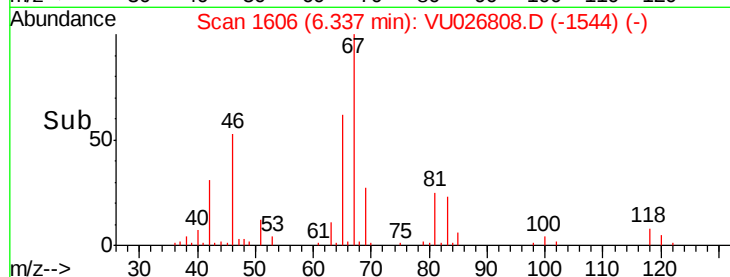
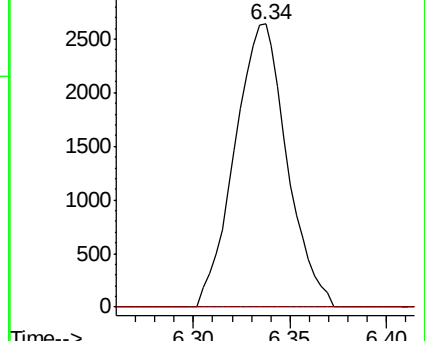
63 100

112 0.0 3.4 5.2#



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: 0.080 ug/L

RT: 7.23 min Scan# 1884

Delta R.T. -0.04 min

Lab File: VU026808.D

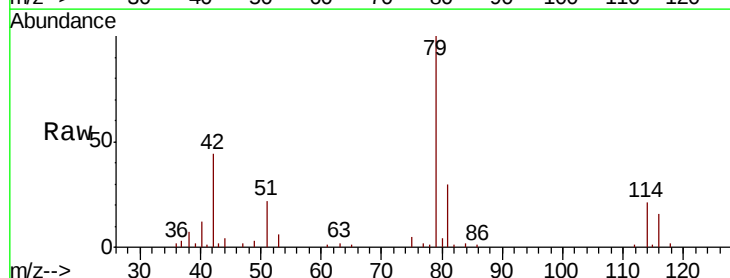
Acq: 16 Sep 2018 05:14

Tgt Ion: 75 Resp: 999

Ion Ratio Lower Upper

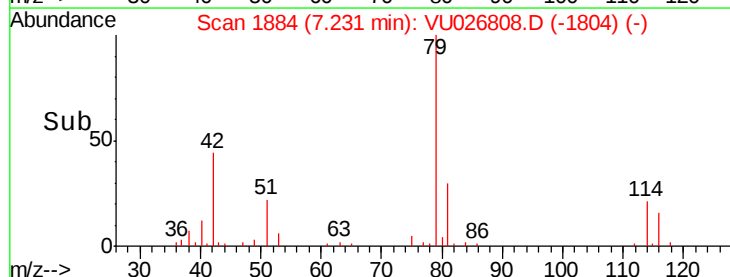
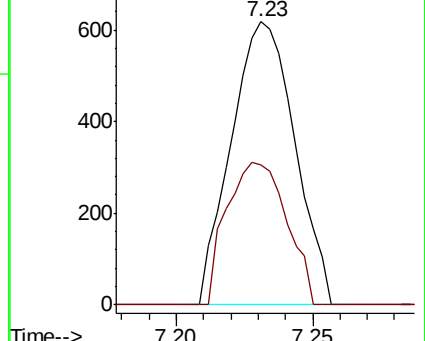
75 100

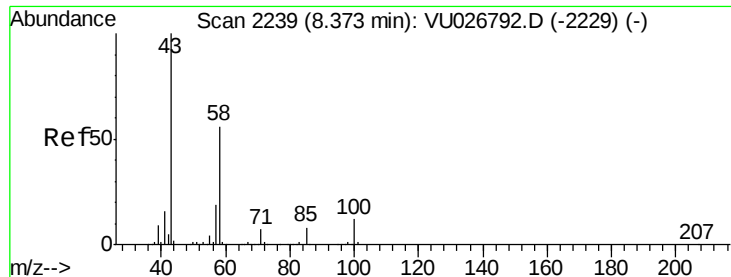
77 49.7 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

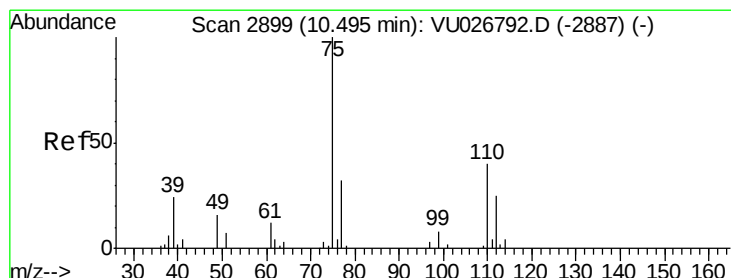
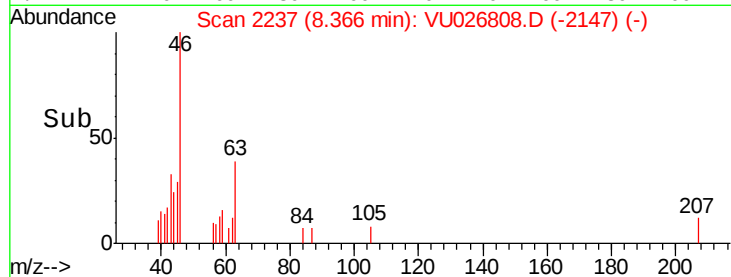
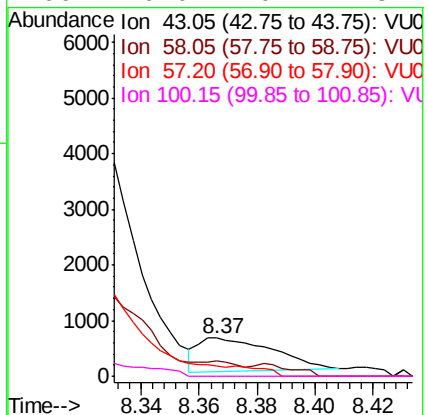
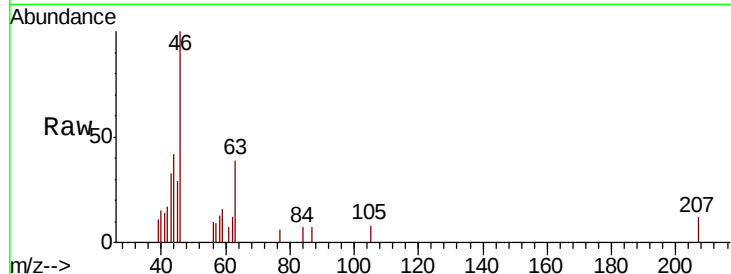




#48
2-Hexanone
Concen: 0.275 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. -0.01 min
Lab File: VU026808.D
Acq: 16 Sep 2018 05:14

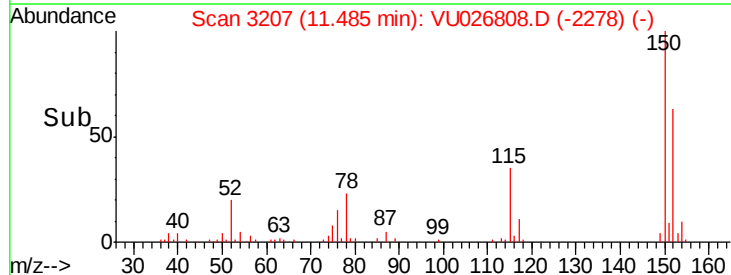
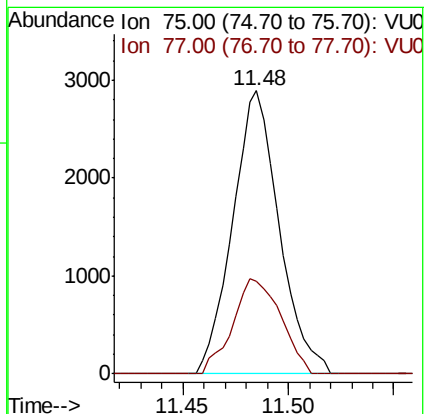
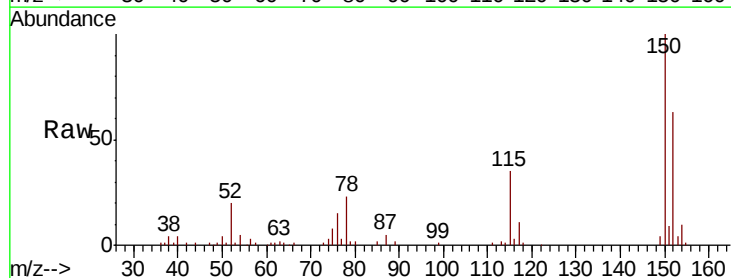
Instrument :
MSVOA_U
ClientSampleId :
C0KY5

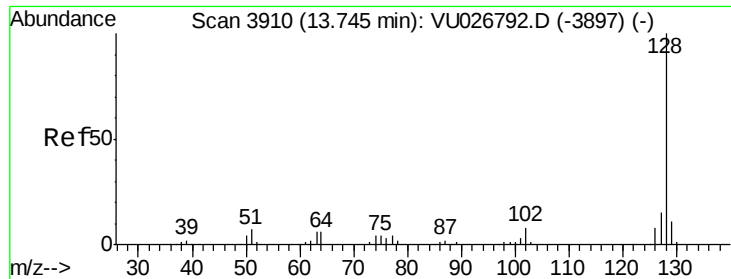
Tgt Ion: 43 Resp: 1063
Ion Ratio Lower Upper
43 100
58 19.8 43.7 65.5#
57 0.0 15.2 22.8#
100 0.0 10.1 15.1#



#59
1,2,3-Trichloropropane
Concen: 0.812 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU026808.D
Acq: 16 Sep 2018 05:14

Tgt Ion: 75 Resp: 4434
Ion Ratio Lower Upper
75 100
77 34.6 25.9 38.9





#69

Naphthalene

Concen: 0.456 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026808.D

Acq: 16 Sep 2018 05:14

Instrument :

MSVOA_U

ClientSampleId :

C0KY5

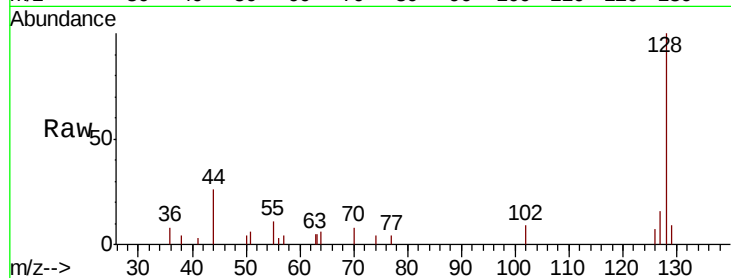
Tgt Ion:128 Resp: 5741

Ion Ratio Lower Upper

128 100

129 7.6 8.6 12.8#

127 13.2 10.8 16.2



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

