

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091618\
 Data File : VU026796.D
 Acq On : 15 Sep 2018 23:12
 Operator : MD/SY
 Sample : J4918-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KX3

Quant Time: Sep 17 07:14:18 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	117627	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	95860	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	37847	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	43964	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	1.68	69	37220	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.28	63	77012	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	4.20	46	96111	48.74	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.48%
24) Chloroform-d	4.65	84	74377	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.31	65	39641	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.34	84	154309	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.00%
36) 1,2-Dichloropropane-d6	6.33	67	49220	5.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.20%
41) Toluene-d8	7.57	98	115776	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.85	79	14366	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.32	63	56464	44.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	35226	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	40063	5.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.00%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	700	0.075 ug/L #	24
12) 1,1-Dichloroethene	2.29	96	28906	3.298 ug/L #	79
13) Acetone	2.33	43	5655	3.226 ug/L	94
19) 1,1-Dichloroethane	3.45	63	1643	0.091 ug/L #	79
21) 2-Butanone	4.26	43	6602	2.279 ug/L #	59
22) cis-1,2-Dichloroethene	4.23	96	15942	1.532 ug/L	89
25) Chloroform	4.67	83	2876	0.166 ug/L	88
29) 1,1,1-Trichloroethane	4.91	97	6400	0.464 ug/L	99
34) Trichloroethene	6.18	95	455371	49.803 ug/L	99
35) Methylcyclohexane	6.33	83	11454	0.771 ug/L #	16
37) 1,2-Dichloropropane	6.33	63	5065	0.532 ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	868	0.068 ug/L #	53
48) 2-Hexanone	8.32	43	7982	2.012 ug/L #	77
59) 1,2,3-Trichloropropane	11.48	75	4382	0.782 ug/L	96
69) Naphthalene	13.75	128	14189	1.061 ug/L	99

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QLast Update : Mon Sep 17 07:09:54 2018
Response via : Initial Calibration

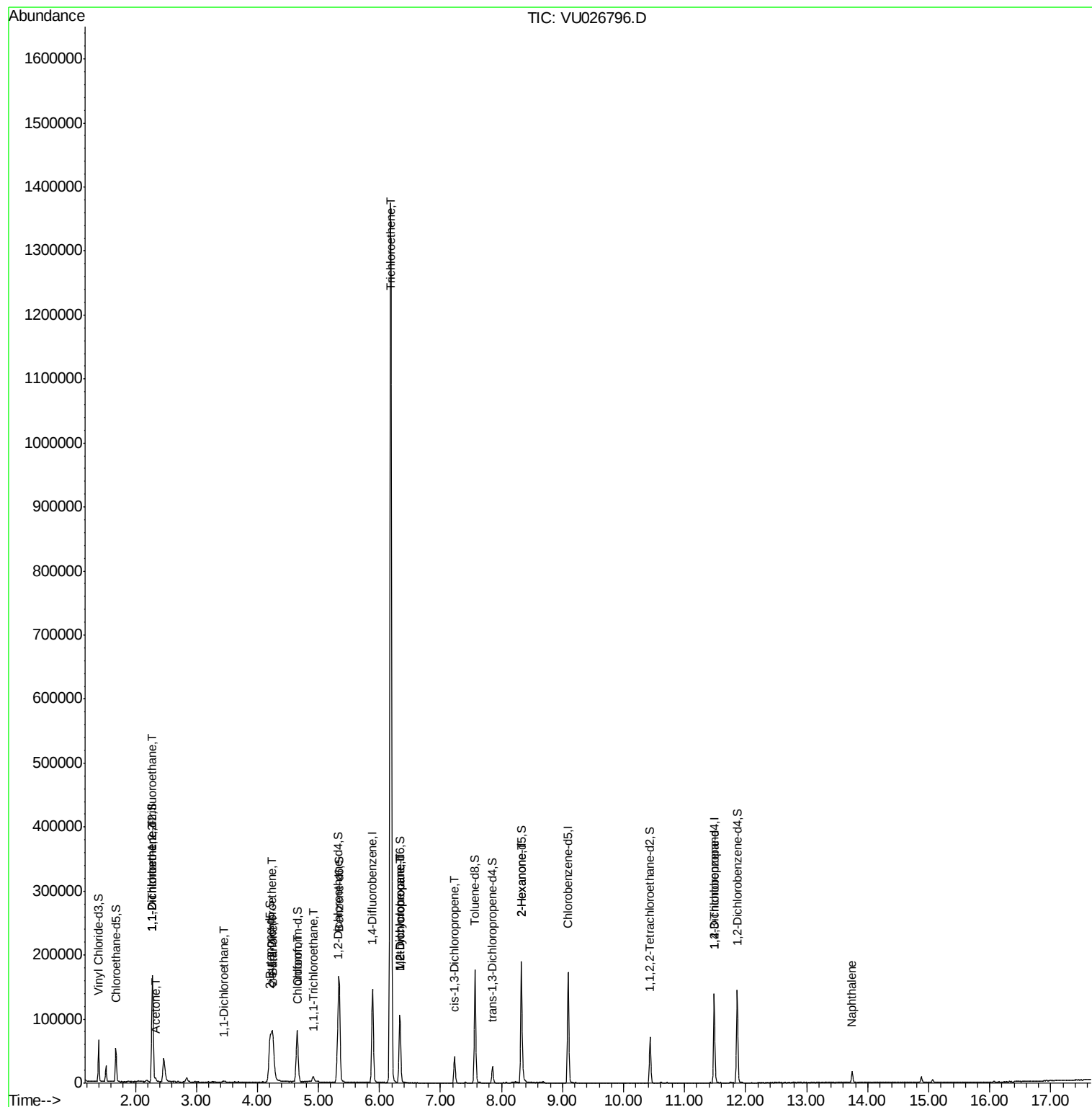
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

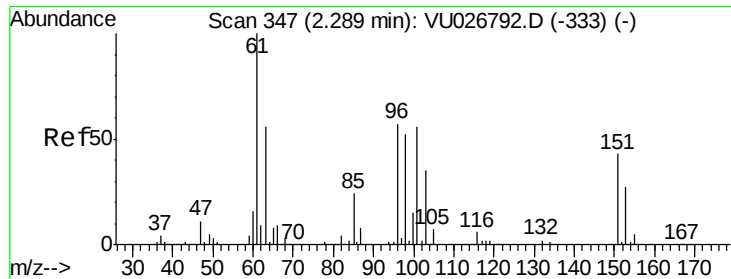
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Response via : Initial Calibration





#10

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

Concen: 0.075 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026796.D

Acq: 15 Sep 2018 23:12

Instrument :

MSVOA_U

ClientSampled :

C0KX3

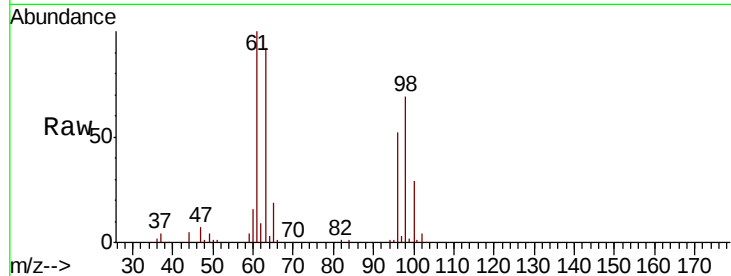
Tgt Ion: 101 Resp: 700

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 9.1 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

2.29

400

300

200

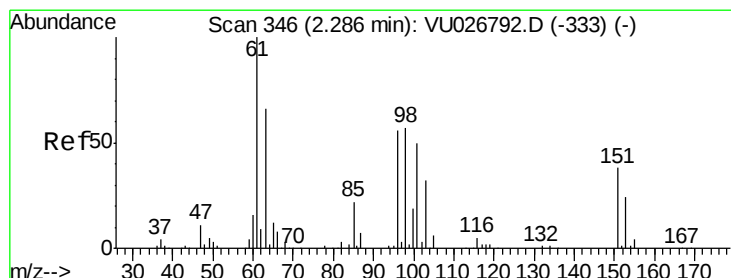
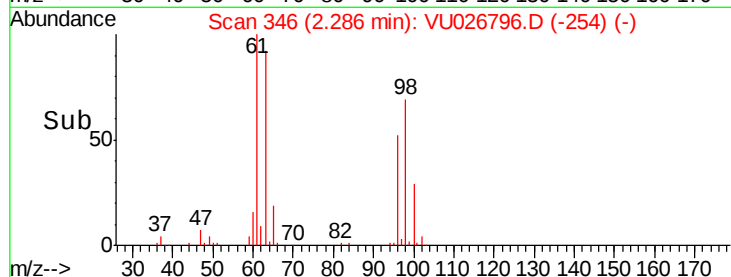
100

0

2.25

2.30

Time-->



#12

1,1-Dichloroethene

Concen: 3.298 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026796.D

Acq: 15 Sep 2018 23:12

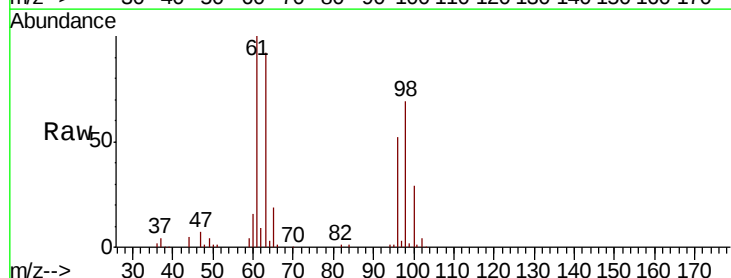
Tgt Ion: 96 Resp: 28906

Ion Ratio Lower Upper

96 100

61 191.9 126.6 235.2

63 175.9 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

60000

50000

40000

30000

20000

10000

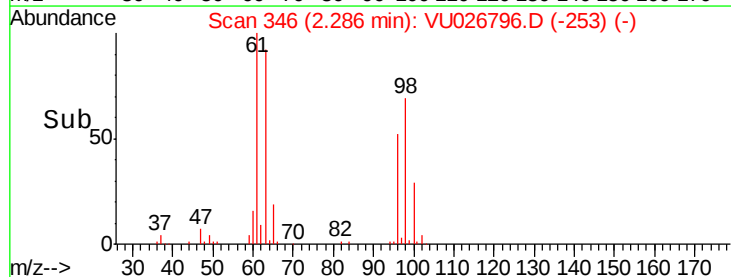
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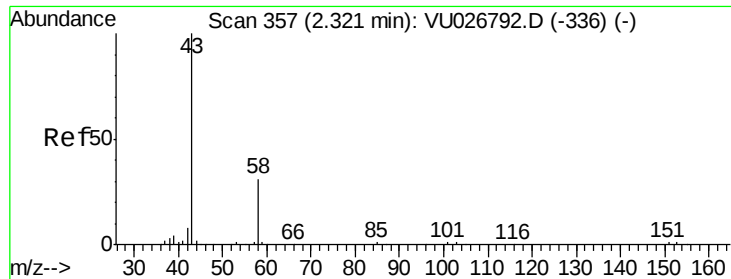
2.25

2.30

2.35

Time-->





#13

Acetone

Concen: 3.226 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.03 min

Lab File: VU026796.D

Acq: 15 Sep 2018 23:12

Instrument :

MSVOA_U

ClientSampleId :

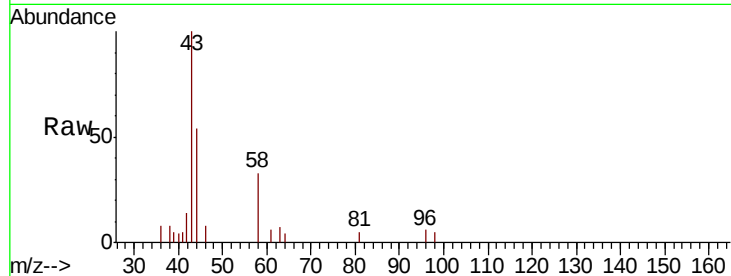
C0KX3

Tgt Ion: 43 Resp: 5655

Ion Ratio Lower Upper

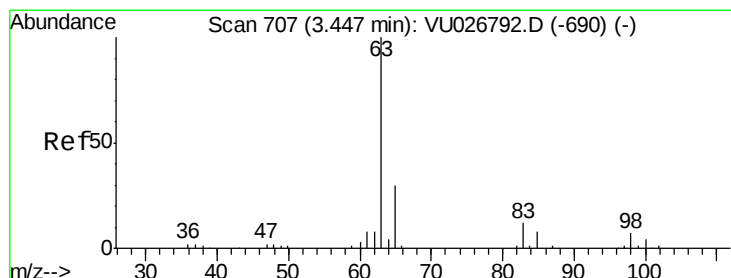
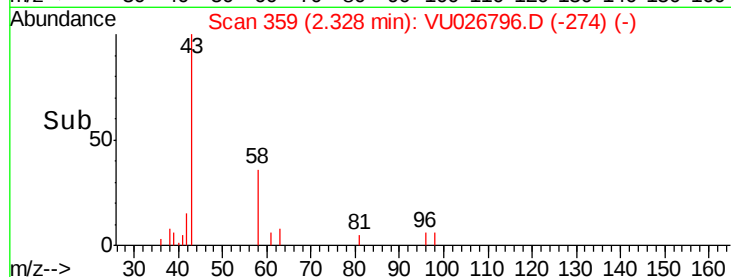
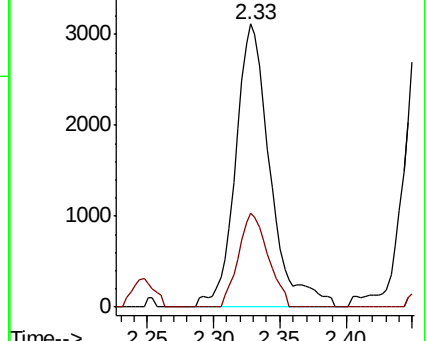
43 100

58 28.4 0.0 63.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#19

1,1-Dichloroethane

Concen: 0.091 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU026796.D

Acq: 15 Sep 2018 23:12

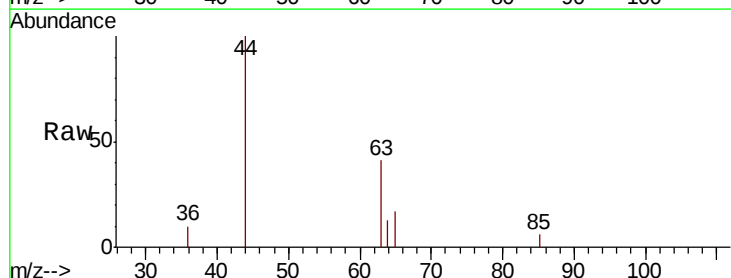
Tgt Ion: 63 Resp: 1643

Ion Ratio Lower Upper

63 100

65 39.9 21.7 40.3

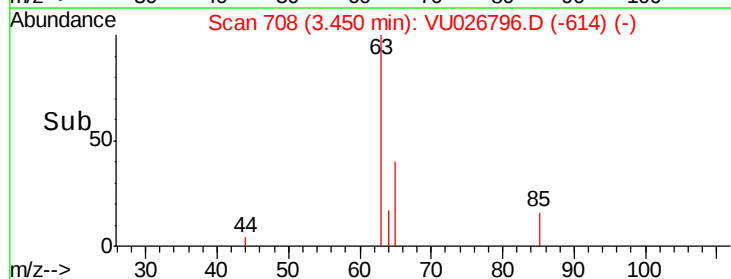
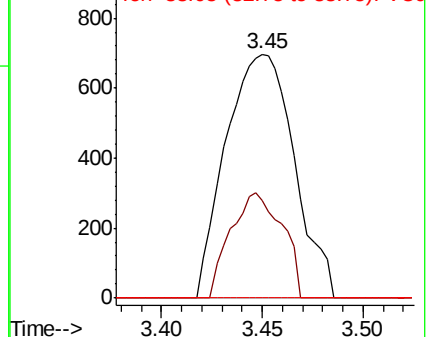
83 0.0 9.0 16.6#

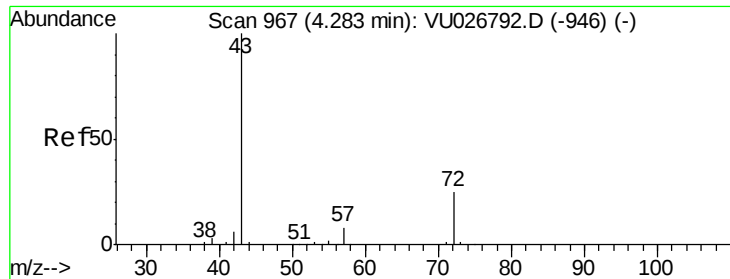


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#21

2-Butanone

Concen: 2.279 ug/L

RT: 4.26 min Scan# 959

Delta R.T. -0.05 min

Lab File: VU026796.D

Acq: 15 Sep 2018 23:12

Instrument :

MSVOA_U

ClientSampleId :

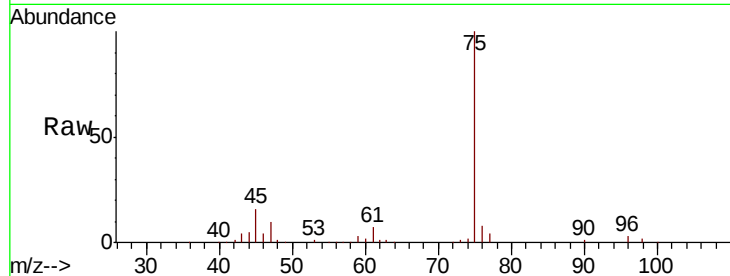
C0KX3

Tgt Ion: 43 Resp: 6602

Ion Ratio Lower Upper

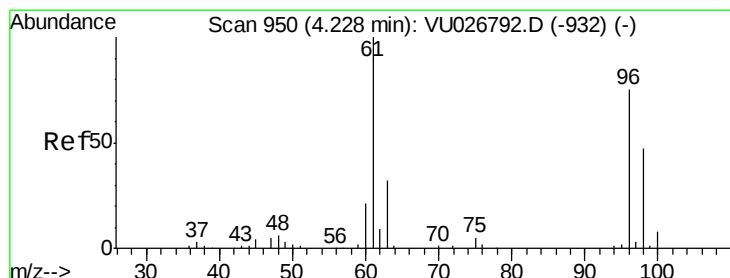
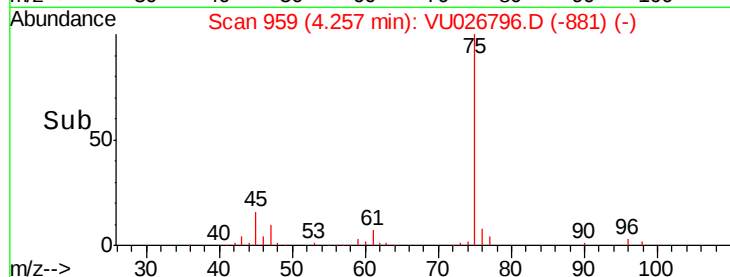
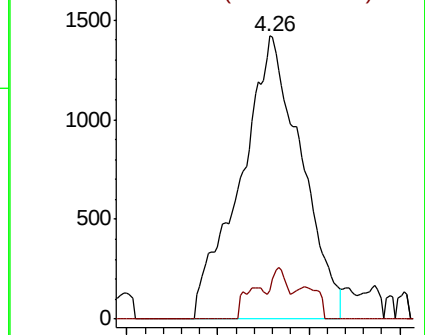
43 100

72 4.6 12.6 37.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.532 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026796.D

Acq: 15 Sep 2018 23:12

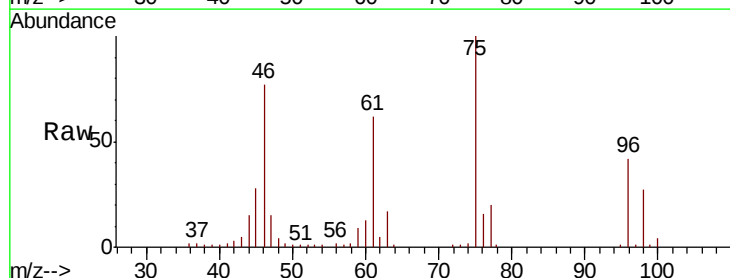
Tgt Ion: 96 Resp: 15942

Ion Ratio Lower Upper

96 100

61 147.5 94.4 175.2

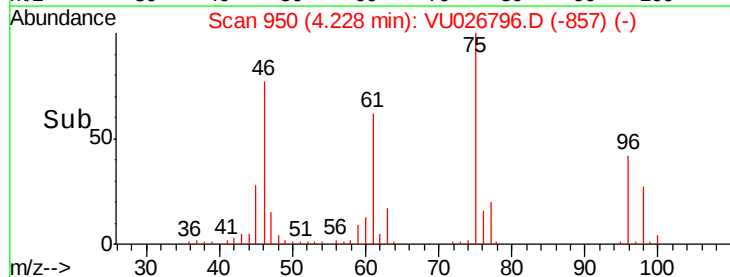
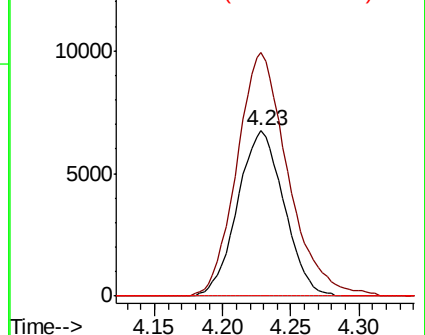
68 0.0 0.0 0.0

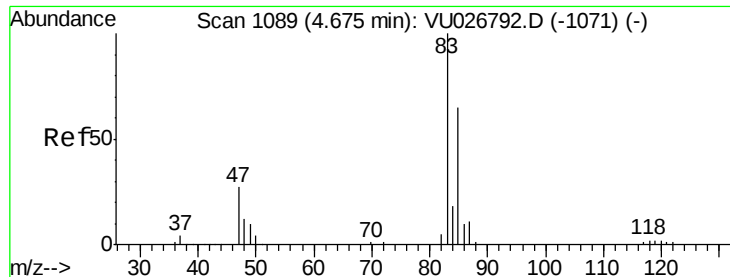


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

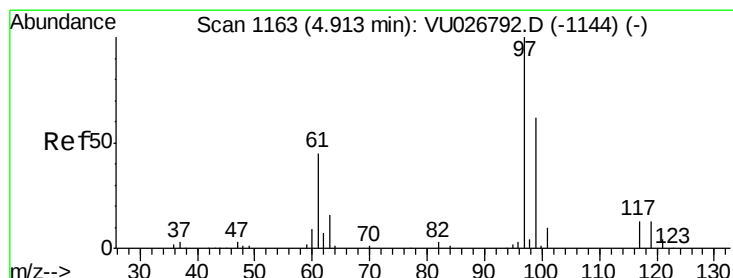
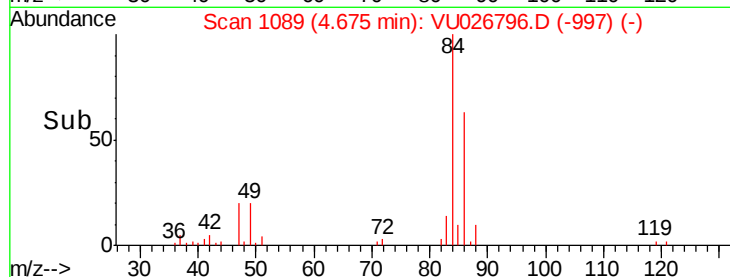
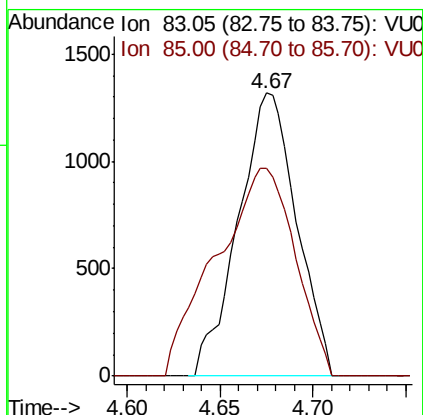
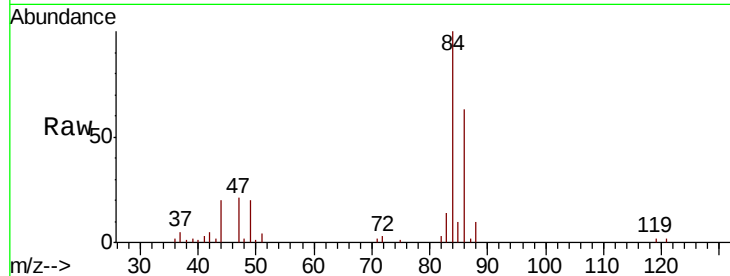




#25
Chloroform
Concen: 0.166 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026796.D
Acq: 15 Sep 2018 23:12

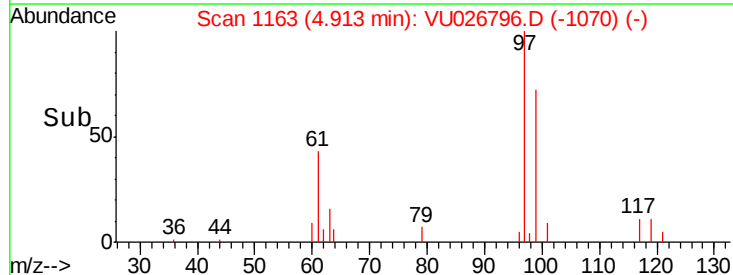
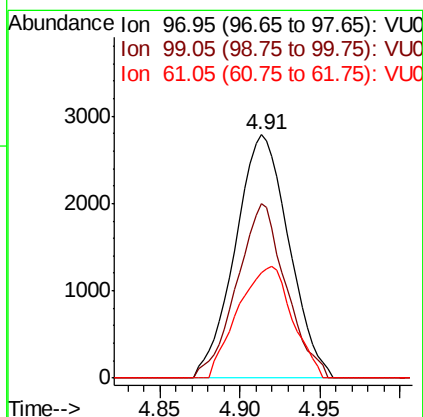
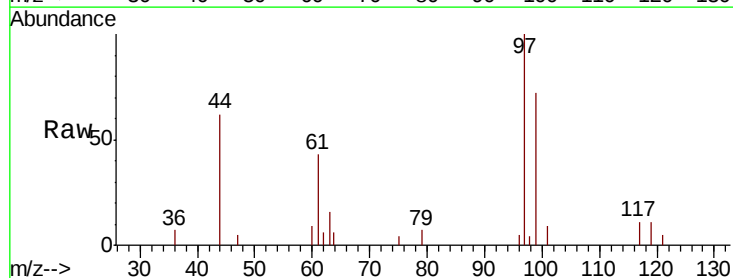
Instrument :
MSVOA_U
ClientSampled :
C0KX3

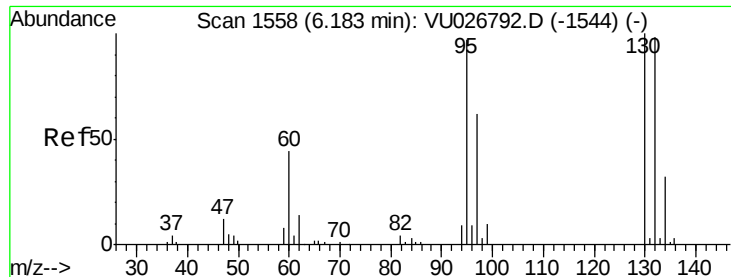
Tgt Ion: 83 Resp: 2876
Ion Ratio Lower Upper
83 100
85 73.2 44.8 83.2



#29
1,1,1-Trichloroethane
Concen: 0.464 ug/L
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU026796.D
Acq: 15 Sep 2018 23:12

Tgt Ion: 97 Resp: 6400
Ion Ratio Lower Upper
97 100
99 65.6 51.5 77.3
61 46.4 36.6 54.8





#34

Trichloroethene

Concen: 49.803 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU026796.D

Acq: 15 Sep 2018 23:12

Instrument :

MSVOA_U

ClientSampleId :

C0KX3

Tgt Ion: 95 Resp: 455371

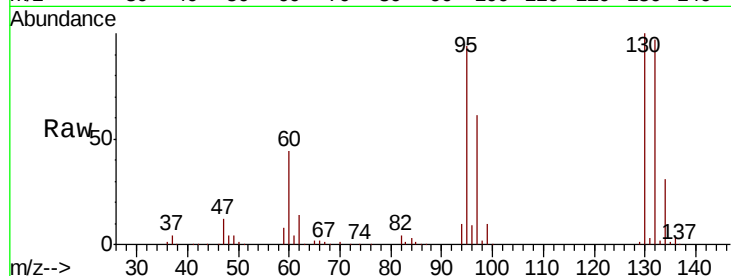
Ion Ratio Lower Upper

95 100

97 64.7 45.1 83.9

132 102.8 72.0 133.8

130 106.0 73.1 135.7

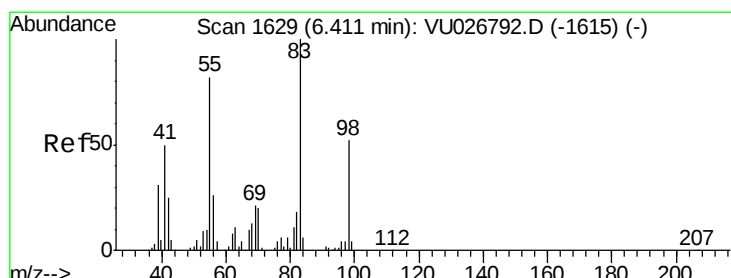
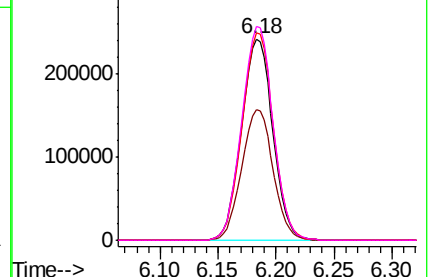
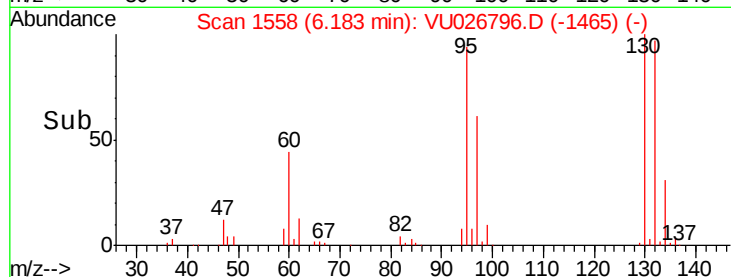


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.771 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU026796.D

Acq: 15 Sep 2018 23:12

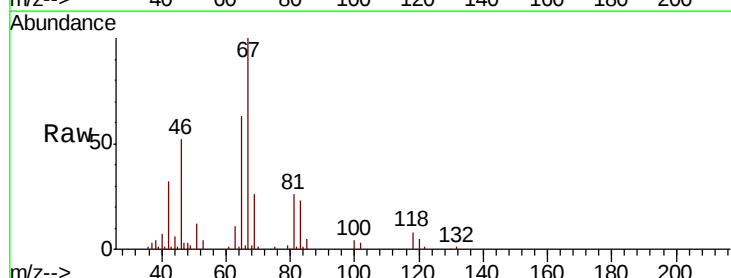
Tgt Ion: 83 Resp: 11454

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

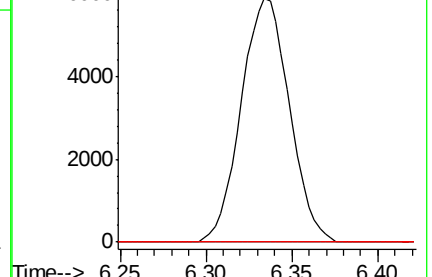
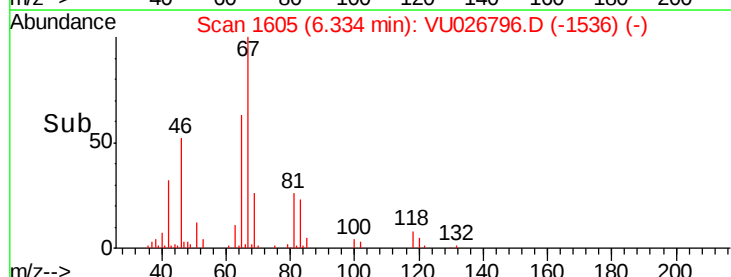
98 0.0 39.3 58.9#

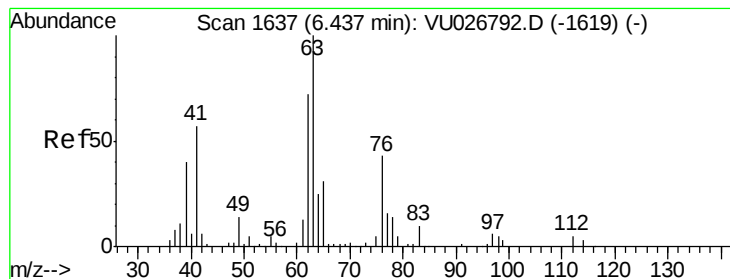


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.532 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026796.D

Acq: 15 Sep 2018 23:12

Instrument :

MSVOA_U

ClientSampleId :

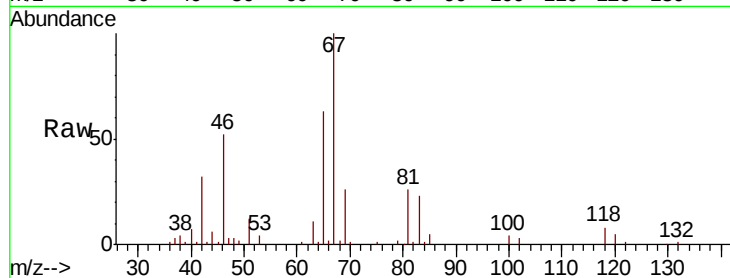
C0KX3

Tgt Ion: 63 Resp: 5065

Ion Ratio Lower Upper

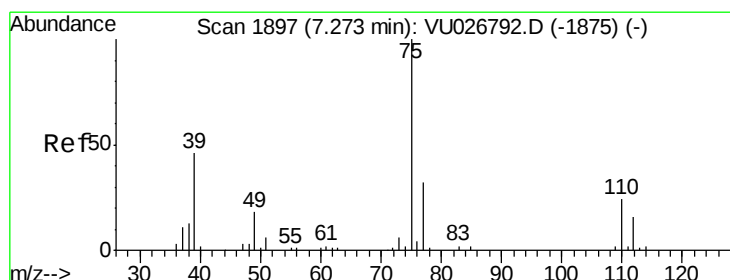
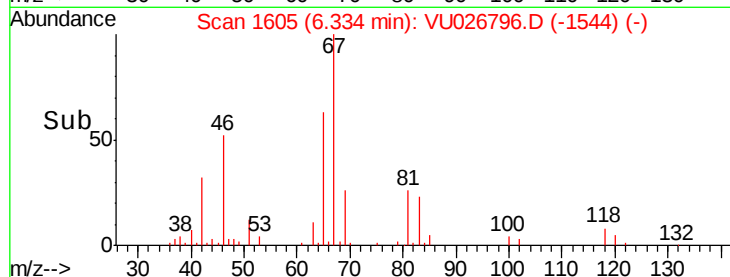
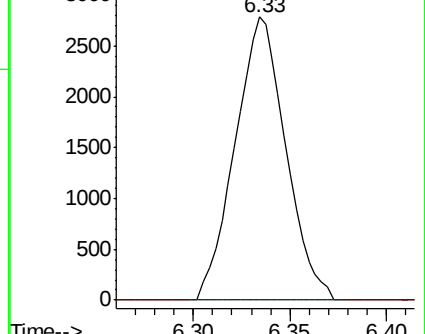
63 100

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: 0.068 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU026796.D

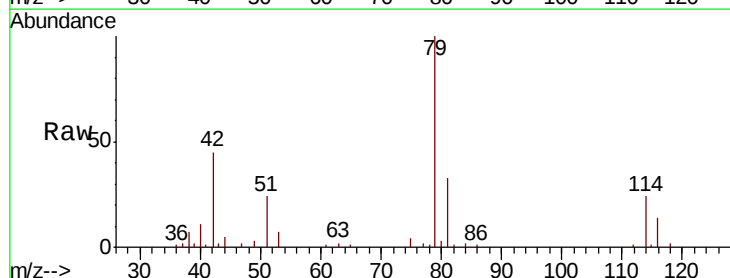
Acq: 15 Sep 2018 23:12

Tgt Ion: 75 Resp: 868

Ion Ratio Lower Upper

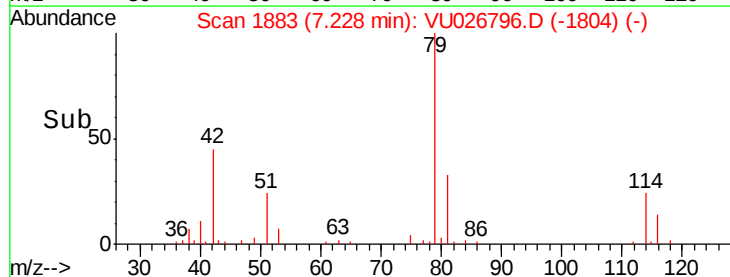
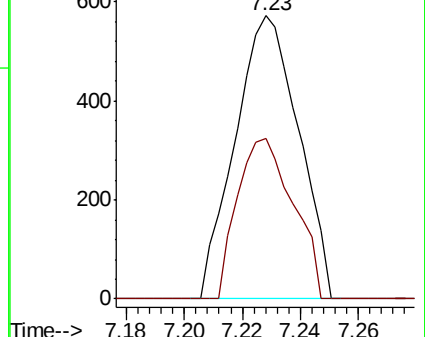
75 100

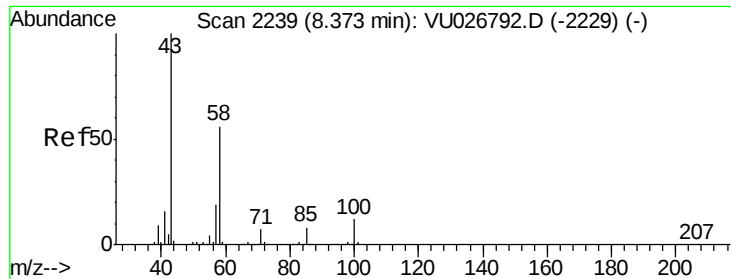
77 56.6 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

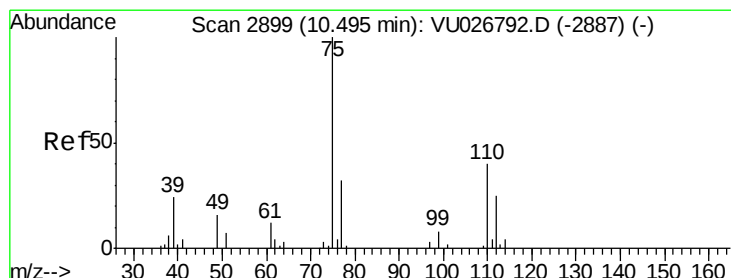
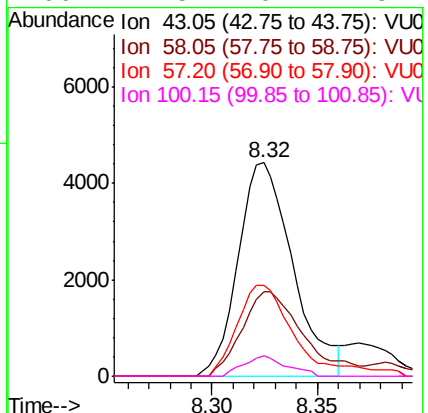
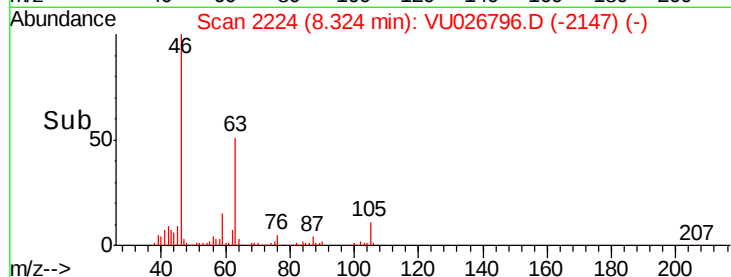
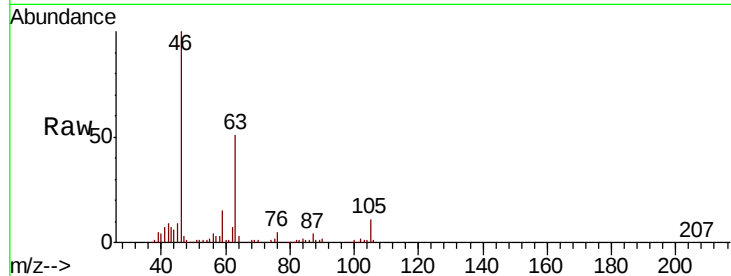




#48
2-Hexanone
Concen: 2.012 ug/L
RT: 8.32 min Scan# 2224
Delta R.T. -0.05 min
Lab File: VU026796.D
Acq: 15 Sep 2018 23:12

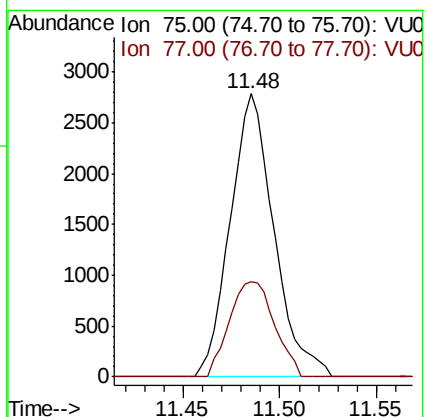
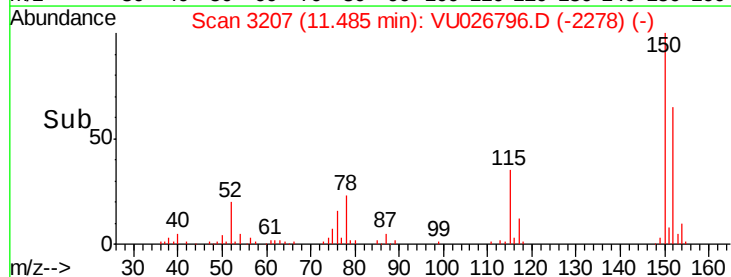
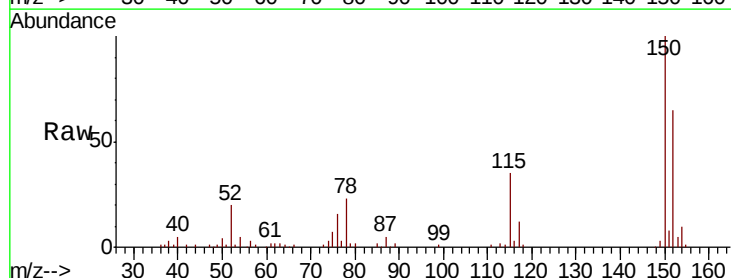
Instrument :
MSVOA_U
ClientSampleId :
C0KX3

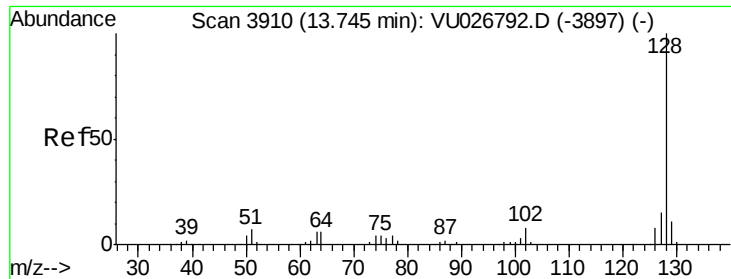
Tgt Ion: 43 Resp: 7982
Ion Ratio Lower Upper
43 100
58 44.9 43.7 65.5
57 44.5 15.2 22.8#
100 7.5 10.1 15.1#



#59
1,2,3-Trichloropropane
Concen: 0.782 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU026796.D
Acq: 15 Sep 2018 23:12

Tgt Ion: 75 Resp: 4382
Ion Ratio Lower Upper
75 100
77 34.5 25.9 38.9





#69

Naphthalene

Concen: 1.061 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026796.D

Acq: 15 Sep 2018 23:12

Instrument :

MSVOA_U

ClientSampleId :

C0KX3

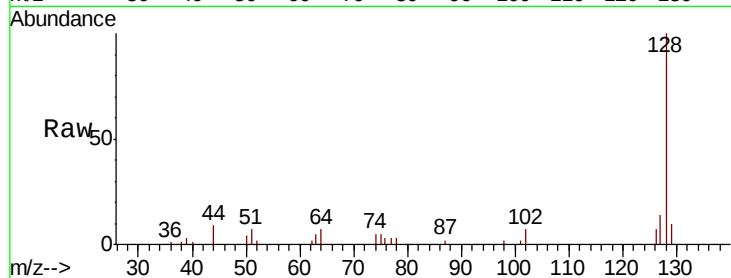
Tgt Ion:128 Resp: 14189

Ion Ratio Lower Upper

128 100

129 9.8 8.6 12.8

127 13.4 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

