

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091618\
 Data File : VU026803.D
 Acq On : 16 Sep 2018 02:48
 Operator : MD/SY
 Sample : J4918-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY0

Quant Time: Sep 17 07:15:09 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	115938	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	95734	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	38969	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	43723	5.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.00%
7) Chloroethane-d5	1.68	69	36762	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.28	63	69946	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.80%
20) 2-Butanone-d5	4.21	46	97880	50.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.72%
24) Chloroform-d	4.65	84	72825	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.31	65	38826	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.34	84	152027	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.60%
36) 1,2-Dichloropropane-d6	6.33	67	47632	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.60%
41) Toluene-d8	7.57	98	116617	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.85	79	13679	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.32	63	57213	45.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	34981	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	42296	5.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.00%

Target Compounds

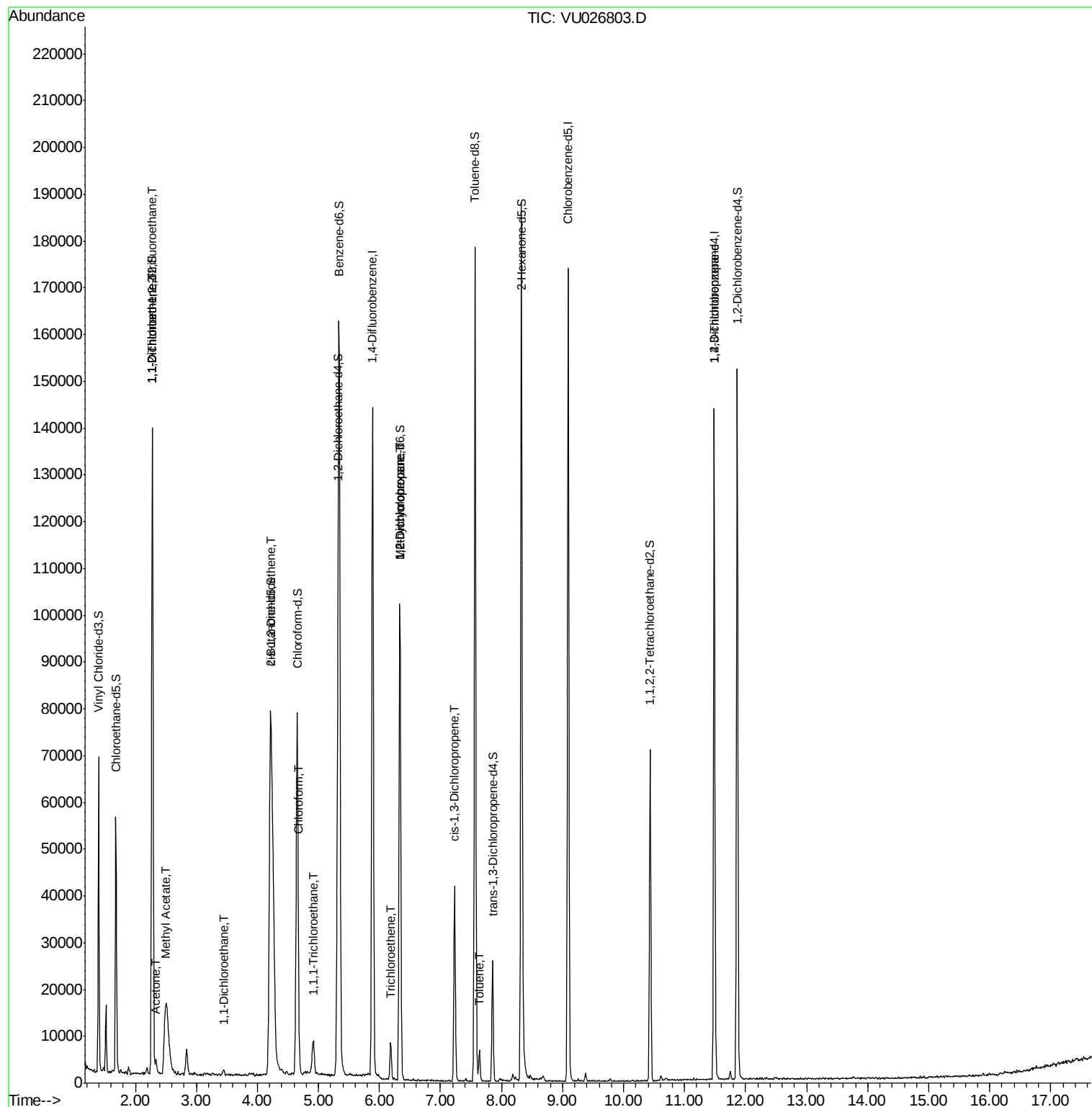
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	754	0.082	ug/L #	18
12) 1,1-Dichloroethene	2.29	96	17607	2.038	ug/L #	60
13) Acetone	2.34	43	3226	1.867	ug/L	89
15) Methyl Acetate	2.50	43	11007	2.428	ug/L #	52
19) 1,1-Dichloroethane	3.44	63	1365	0.077	ug/L #	83
22) cis-1,2-Dichloroethene	4.23	96	15651	1.526	ug/L	95
25) Chloroform	4.68	83	2303	0.135	ug/L	98
29) 1,1,1-Trichloroethane	4.92	97	6034	0.438	ug/L	99
34) Trichloroethene	6.18	95	2584	0.283	ug/L	95
35) Methylcyclohexane	6.33	83	11056	0.745	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	5038	0.529	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	910	0.071	ug/L #	51
42) Toluene	7.64	91	4769	0.132	ug/L	96
59) 1,2,3-Trichloropropane	11.49	75	4714	0.842	ug/L	99

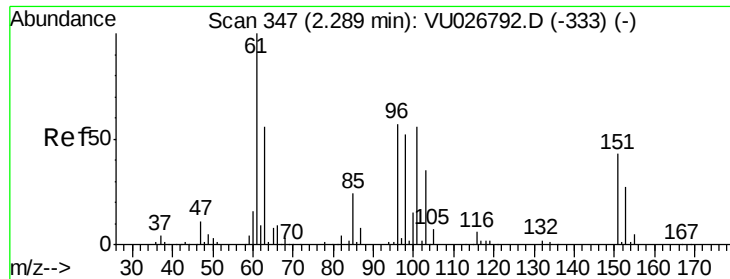
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.082 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU026803.D

Acq: 16 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

C0KY0

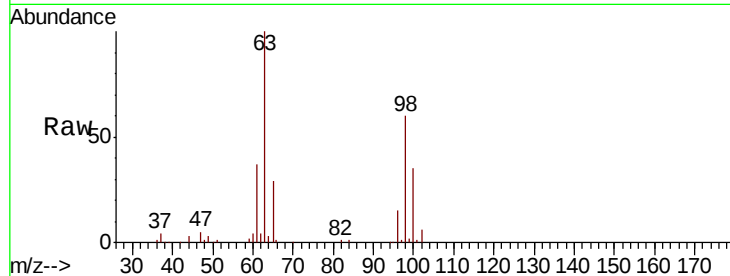
Tgt Ion:101 Resp: 754

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

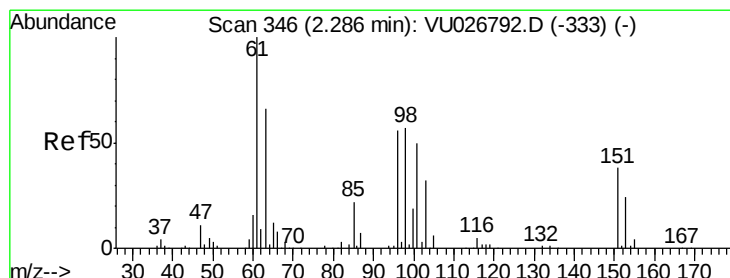
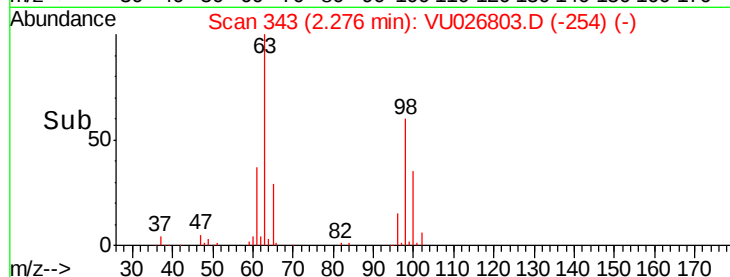
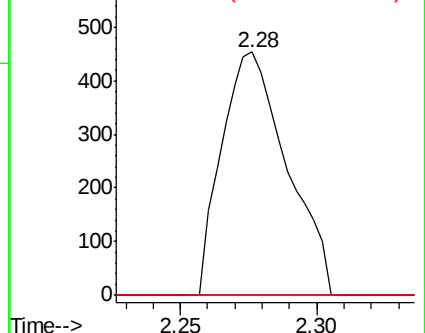
151 0.0 63.3 94.9#



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: 2.038 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026803.D

Acq: 16 Sep 2018 02:48

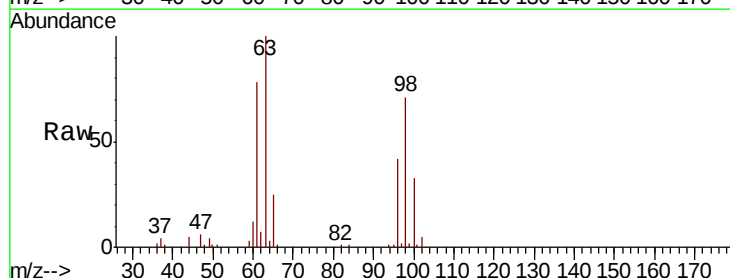
Tgt Ion: 96 Resp: 17607

Ion Ratio Lower Upper

96 100

61 185.1 126.6 235.2

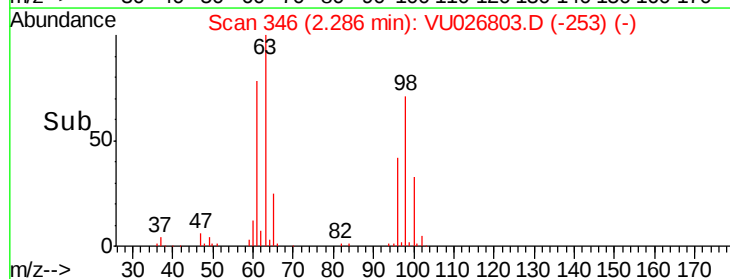
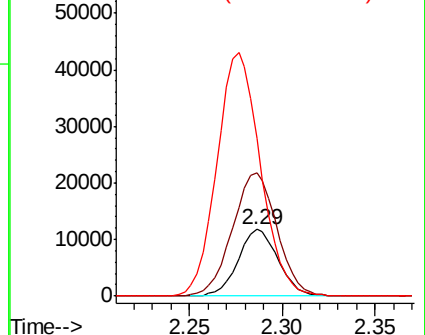
63 236.3 91.3 169.5#

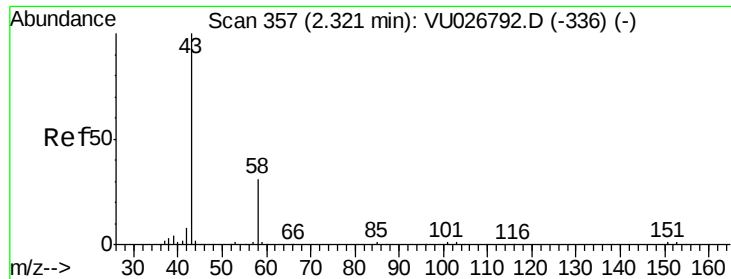


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.867 ug/L

RT: 2.34 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU026803.D

Acq: 16 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

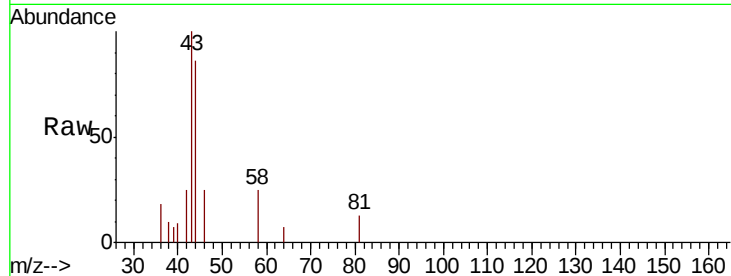
C0KY0

Tgt Ion: 43 Resp: 3226

Ion Ratio Lower Upper

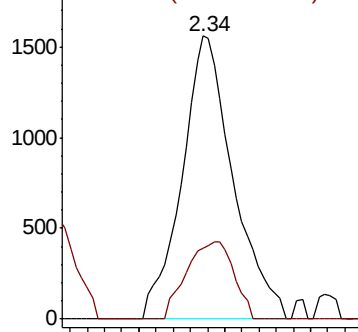
43 100

58 25.2 0.0 63.0

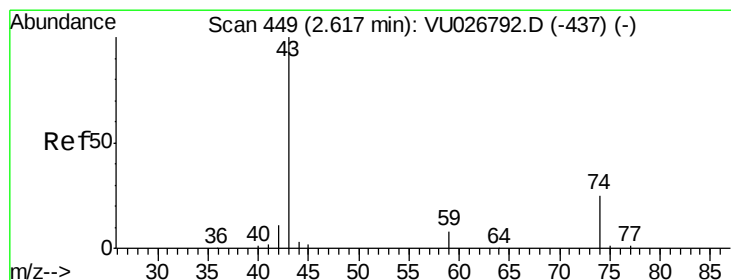
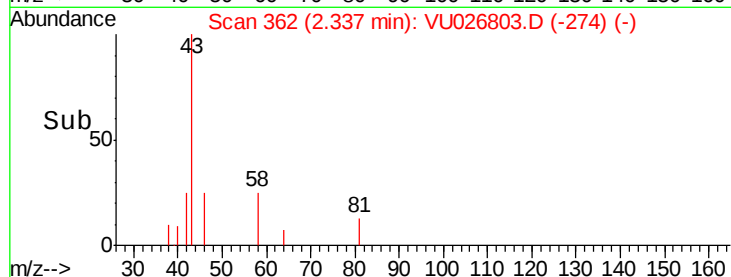


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



Time-->



#15

Methyl Acetate

Concen: 2.428 ug/L

RT: 2.50 min Scan# 414

Delta R.T. -0.13 min

Lab File: VU026803.D

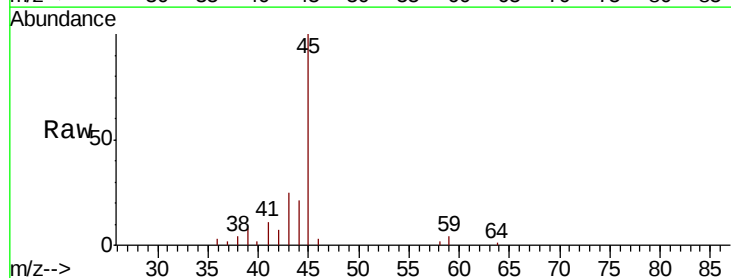
Acq: 16 Sep 2018 02:48

Tgt Ion: 43 Resp: 11007

Ion Ratio Lower Upper

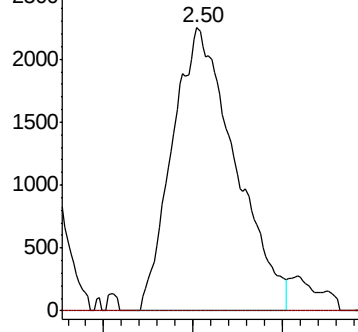
43 100

74 0.0 18.5 27.7#

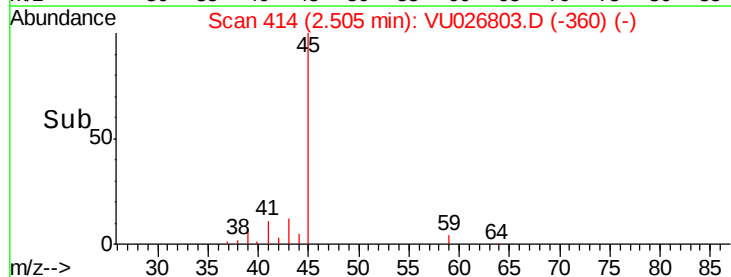


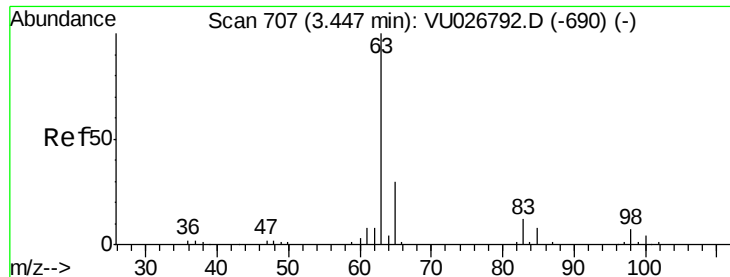
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



Time-->

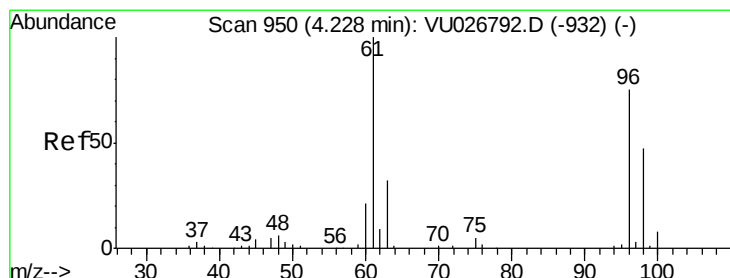
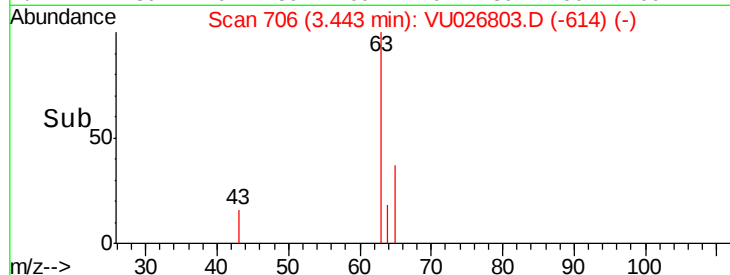
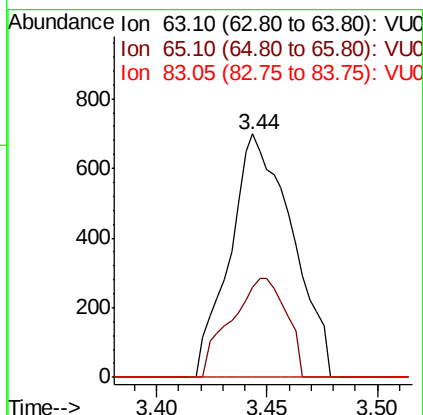
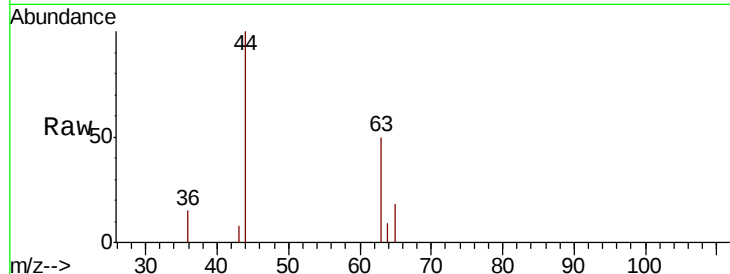




#19
 1,1-Dichloroethane
 Concen: 0.077 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU026803.D
 Acq: 16 Sep 2018 02:48

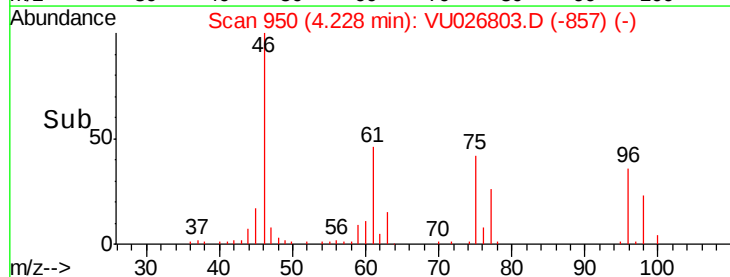
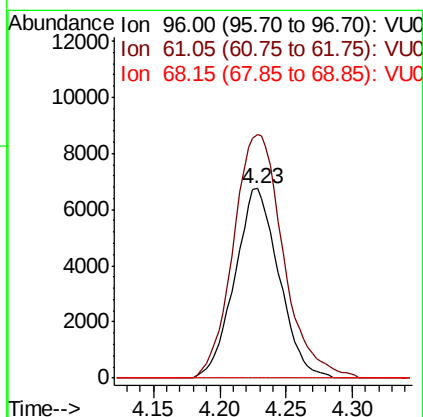
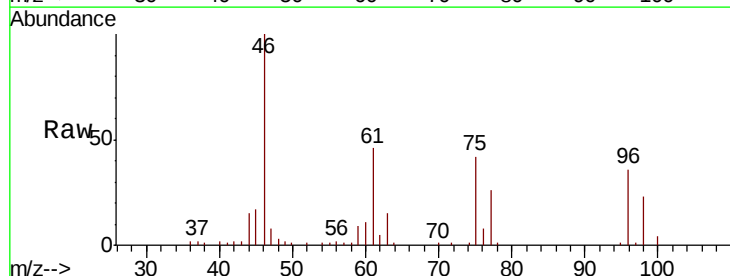
Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY0

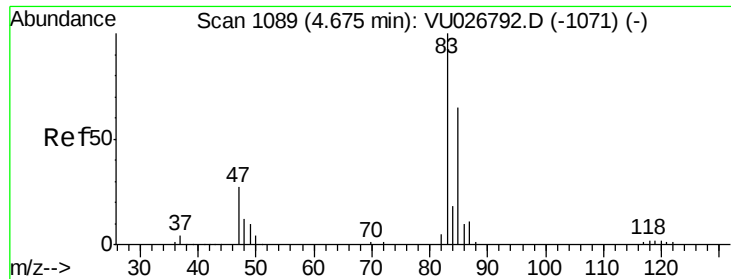
Tgt Ion: 63 Resp: 1365
 Ion Ratio Lower Upper
 63 100
 65 37.1 21.7 40.3
 83 0.0 9.0 16.6#



#22
 cis-1,2-Dichloroethene
 Concen: 1.526 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026803.D
 Acq: 16 Sep 2018 02:48

Tgt Ion: 96 Resp: 15651
 Ion Ratio Lower Upper
 96 100
 61 128.6 94.4 175.2
 68 0.0 0.0 0.0

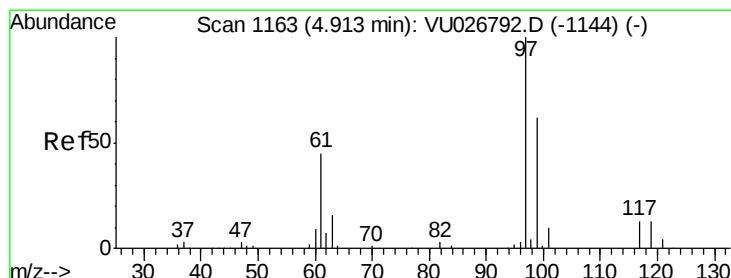
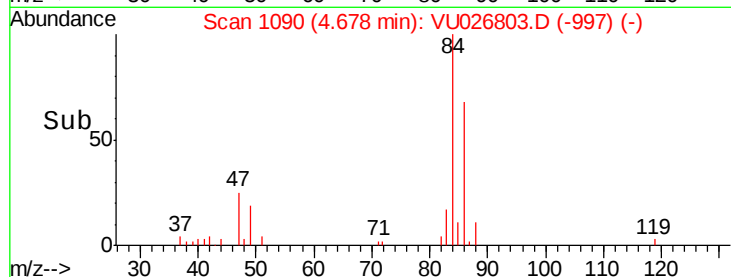
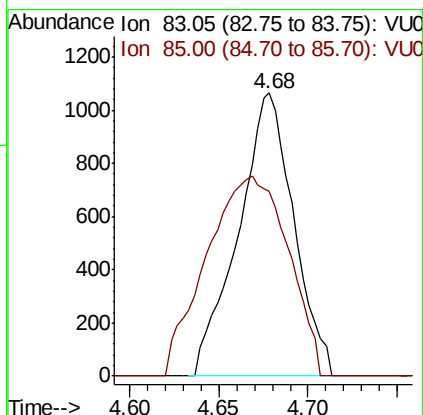
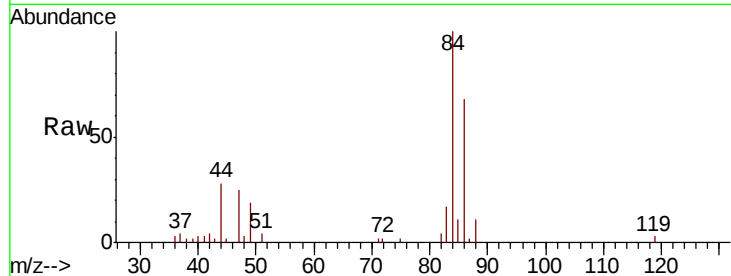




#25
Chloroform
Concen: 0.135 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026803.D
Acq: 16 Sep 2018 02:48

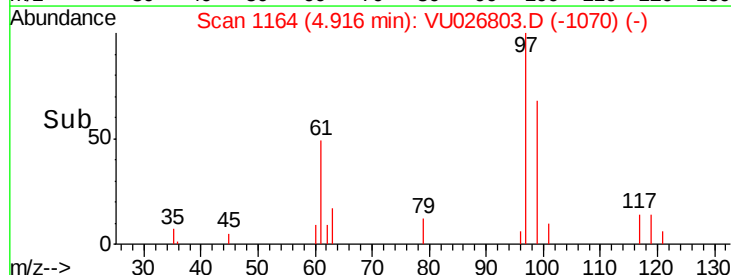
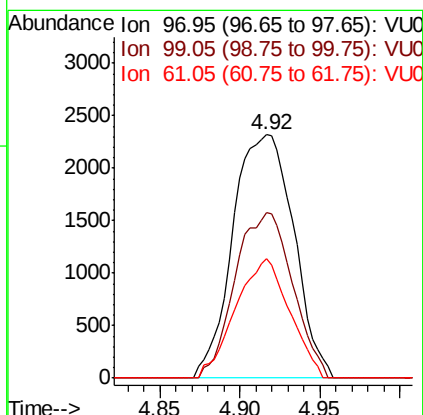
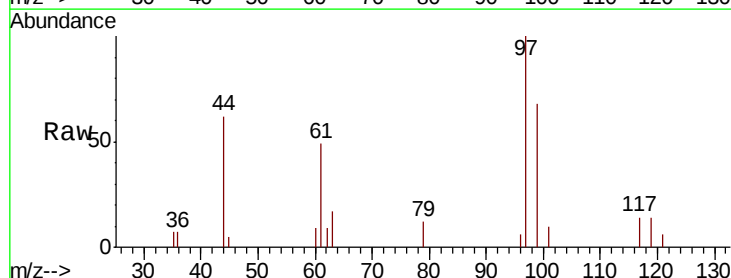
Instrument :
MSVOA_U
ClientSampleId :
C0KY0

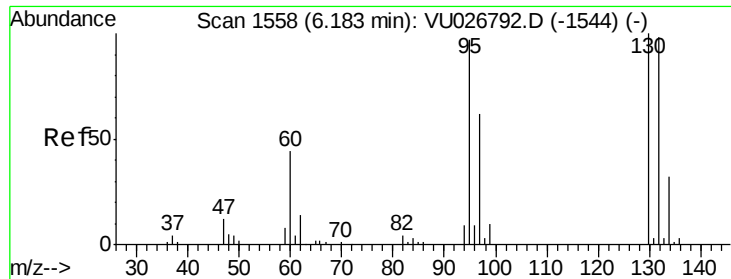
Tgt Ion: 83 Resp: 2303
Ion Ratio Lower Upper
83 100
85 65.2 44.8 83.2



#29
1,1,1-Trichloroethane
Concen: 0.438 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026803.D
Acq: 16 Sep 2018 02:48

Tgt Ion: 97 Resp: 6034
Ion Ratio Lower Upper
97 100
99 64.2 51.5 77.3
61 43.6 36.6 54.8





#34

Trichloroethene

Concen: 0.283 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU026803.D

Acq: 16 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

C0KY0

Tgt Ion: 95 Resp: 2584

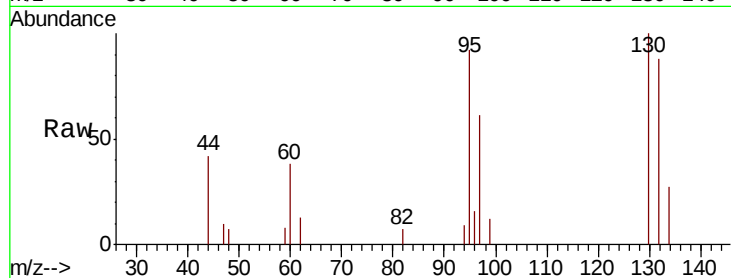
Ion Ratio Lower Upper

95 100

97 66.7 45.1 83.9

132 95.4 72.0 133.8

130 108.7 73.1 135.7

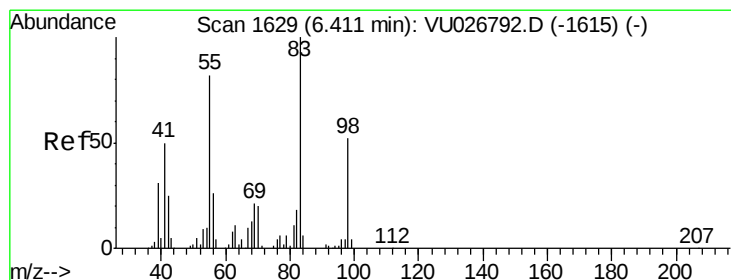
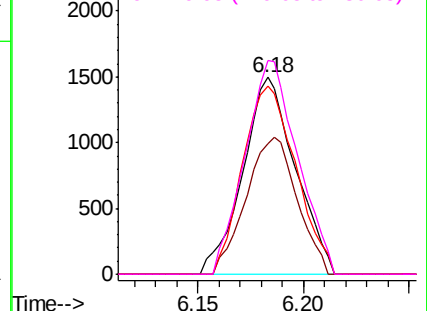
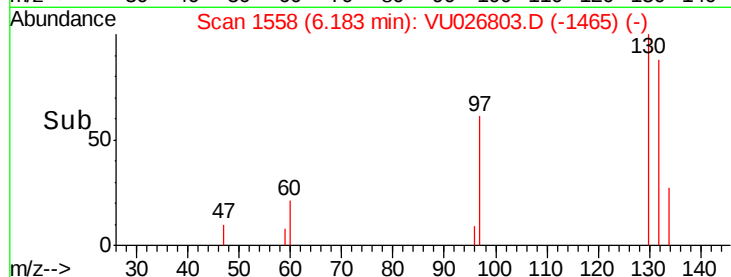


Abundance Ion 95.00 (94.70 to 95.70): VU026803.D (-1465) (-)

Ion 96.95 (96.65 to 97.65): VU026803.D (-1465) (-)

Ion 131.95 (131.65 to 132.65): VU026803.D (-1465) (-)

Ion 129.95 (129.65 to 130.65): VU026803.D (-1465) (-)



#35

Methylcyclohexane

Concen: 0.745 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU026803.D

Acq: 16 Sep 2018 02:48

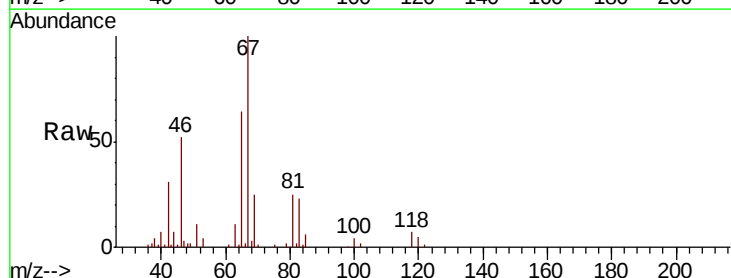
Tgt Ion: 83 Resp: 11056

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

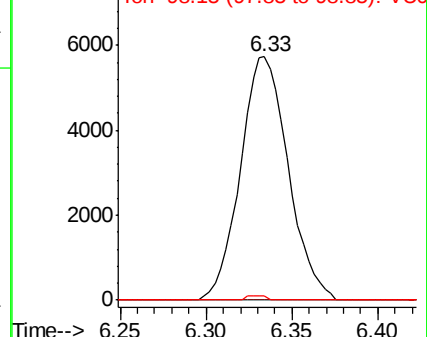
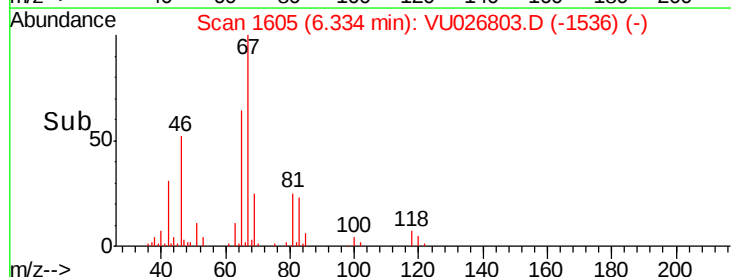
98 0.8 39.3 58.9#

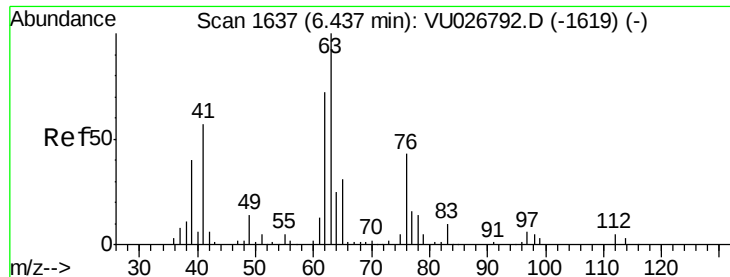


Abundance Ion 83.15 (82.85 to 83.85): VU026803.D (-1536) (-)

Ion 55.10 (54.80 to 55.80): VU026803.D (-1536) (-)

Ion 98.15 (97.85 to 98.85): VU026803.D (-1536) (-)





#37

1,2-Dichloropropane

Concen: 0.529 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026803.D

Acq: 16 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

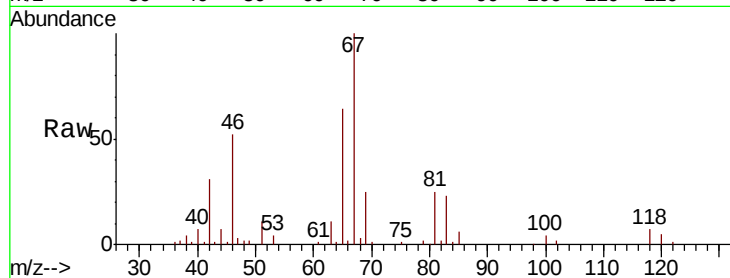
C0KY0

Tgt Ion: 63 Resp: 5038

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU026792.D (-1619) (-)

Ion 112.10 (111.80 to 112.80): VU026792.D (-1619) (-)

6.33

2500

2000

1500

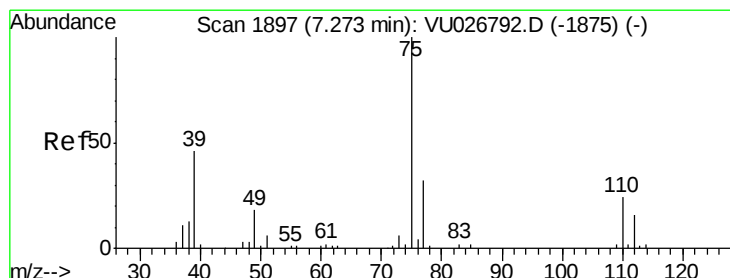
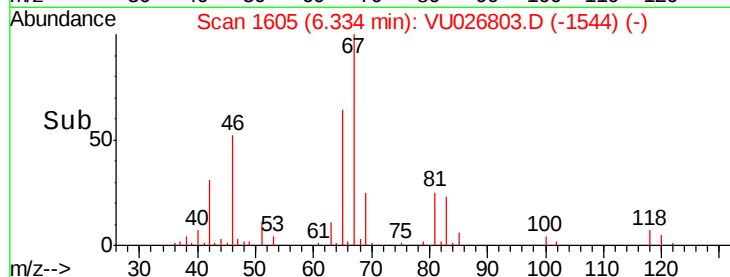
1000

500

0

6.30 6.35 6.40

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 7.23 min Scan# 1884

Delta R.T. -0.04 min

Lab File: VU026803.D

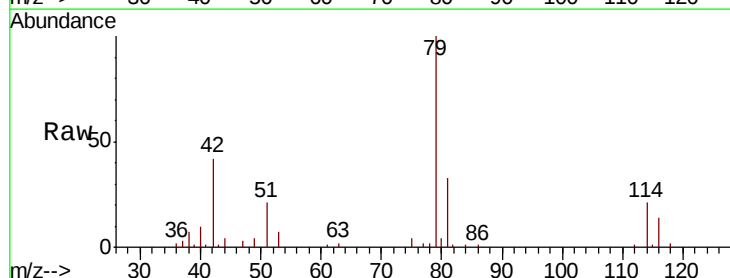
Acq: 16 Sep 2018 02:48

Tgt Ion: 75 Resp: 910

Ion Ratio Lower Upper

75 100

77 58.1 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU026792.D (-1875) (-)

Ion 77.05 (76.75 to 77.75): VU026792.D (-1875) (-)

7.23

600

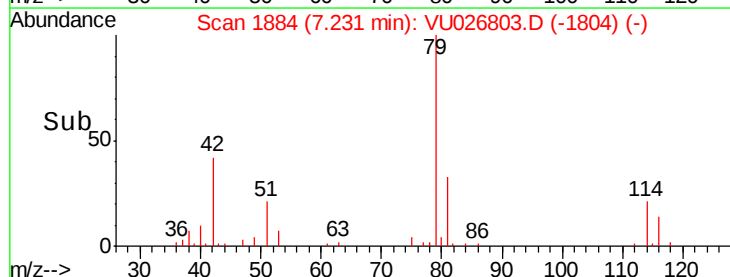
400

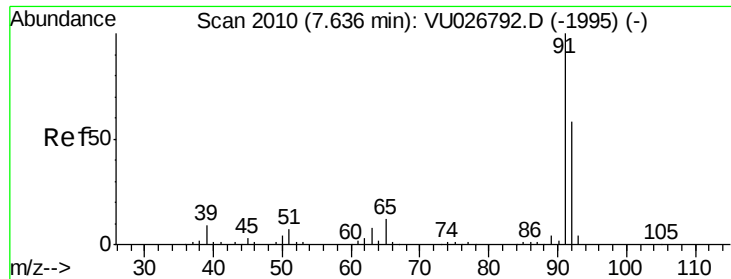
200

0

7.20 7.25

Time-->





#42

Toluene

Concen: 0.132 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026803.D

Acq: 16 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

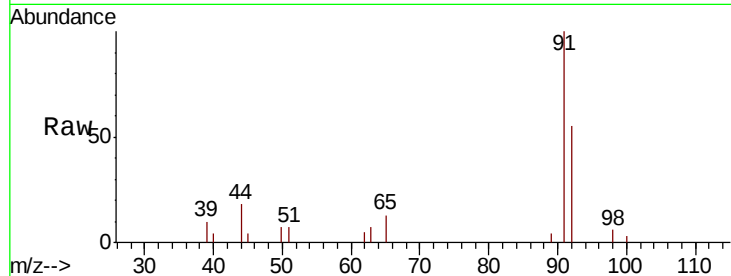
C0KY0

Tgt Ion: 91 Resp: 4769

Ion Ratio Lower Upper

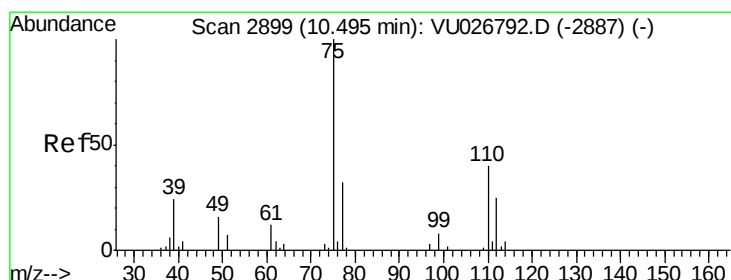
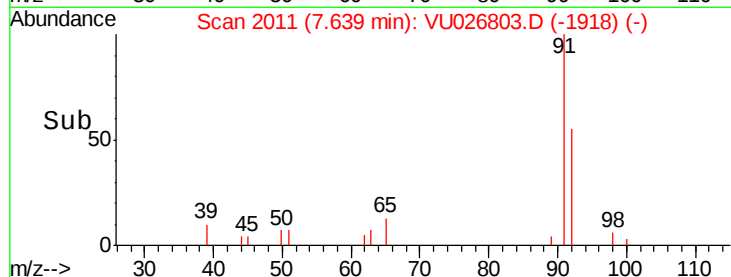
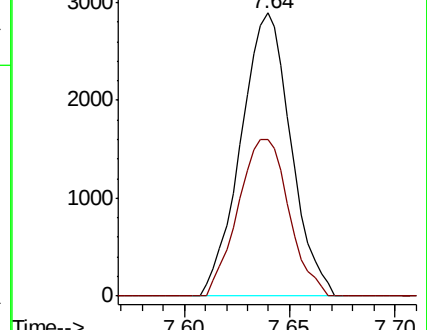
91 100

92 55.5 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU026792.D (-1995) (-)

Ion 92.15 (91.85 to 92.85): VU026792.D (-1995) (-)



#59

1,2,3-Trichloropropane

Concen: 0.842 ug/L

RT: 11.49 min Scan# 3208

Delta R.T. 0.99 min

Lab File: VU026803.D

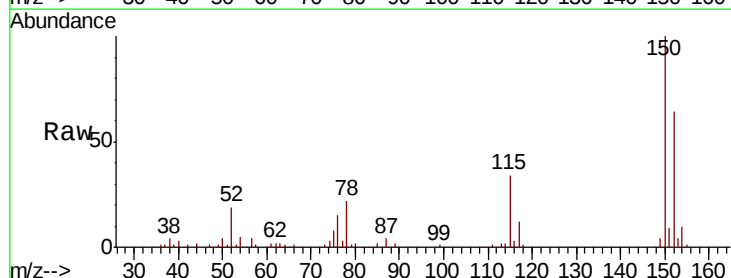
Acq: 16 Sep 2018 02:48

Tgt Ion: 75 Resp: 4714

Ion Ratio Lower Upper

75 100

77 33.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU026792.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU026792.D (-2887) (-)

