

Data File : VU036812.D
Acq On : 17 Feb 2020 16:09
Operator : JC/MD
Sample : L1540-05MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBD33MSD

Quant Time: Feb 18 00:49:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 18 00:46:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	114639	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	105629	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	40709	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37908	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	1.93	69	37817	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.59	63	69759	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.60%
20) 2-Butanone-d5	4.67	46	104427	50.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.02%
24) Chloroform-d	5.11	84	66529	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.74	65	41153	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.76	84	151845	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.73	67	50686	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.93	98	133973	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.21	79	17999	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.66	63	87938	48.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.20%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	37897	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	40870	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

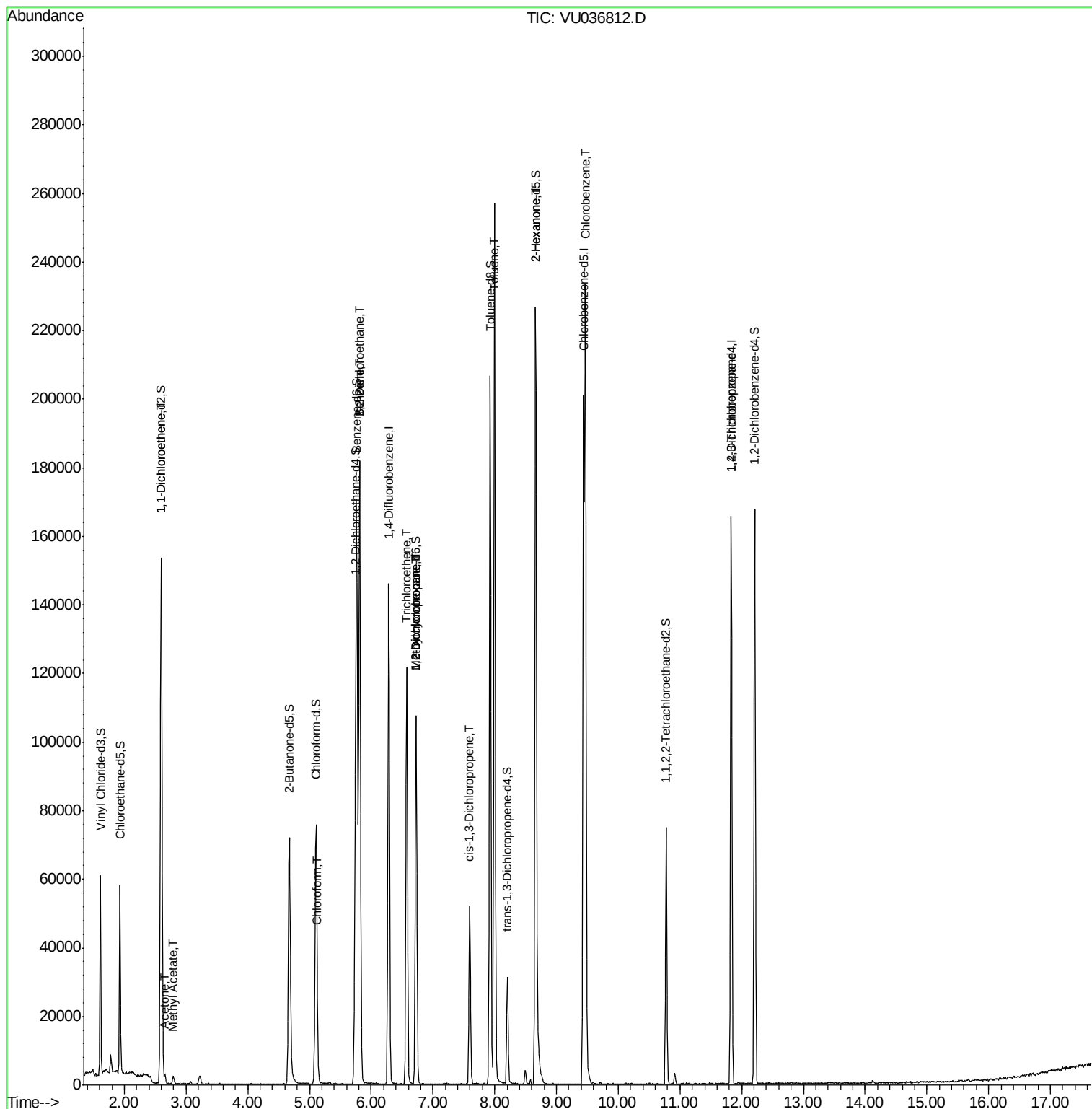
					Qvalue
12) 1,1-Dichloroethene	2.60	96	33225	4.765 ug/L	98
13) Acetone	2.66	43	3116	1.179 ug/L	88
15) Methyl Acetate	2.79	43	668	0.190 ug/L #	52
25) Chloroform	5.13	83	3388	0.210 ug/L	88
27) 1,2-Dichloroethane	5.81	62	1547	0.151 ug/L #	76
33) Benzene	5.81	78	169961	5.217 ug/L	100
34) Trichloroethene	6.57	95	41094	4.952 ug/L	98
35) Methylcyclohexane	6.73	83	11173	0.848 ug/L #	25
37) 1,2-Dichloropropane	6.73	63	5065	0.569 ug/L #	89
39) cis-1,3-Dichloropropene	7.59	75	1182	0.092 ug/L #	51
42) Toluene	8.00	91	183863	5.254 ug/L	97
48) 2-Hexanone	8.66	43	11622	2.366 ug/L #	66
51) Chlorobenzene	9.47	112	114421	5.286 ug/L	98
59) 1,2,3-Trichloropropane	11.83	75	5824	0.992 ug/L #	88

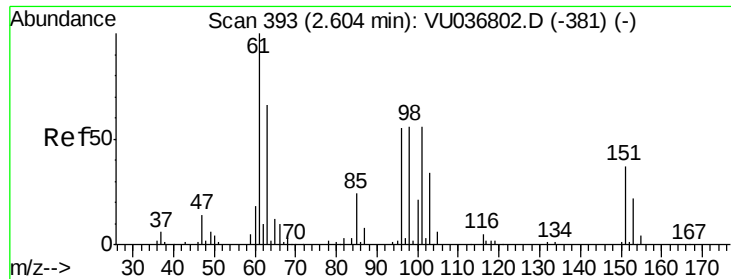
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.765 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036812.D

Acq: 17 Feb 2020 16:09

Instrument :

MSVOA_U

ClientSampleId :

DBD33MSD

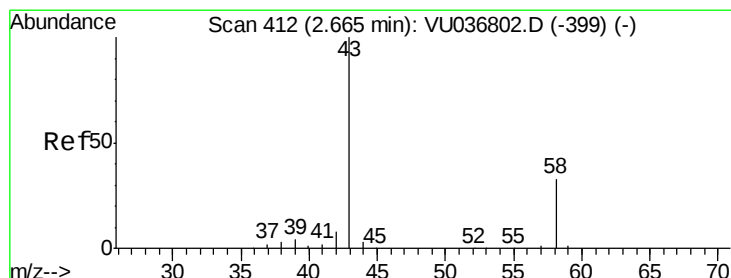
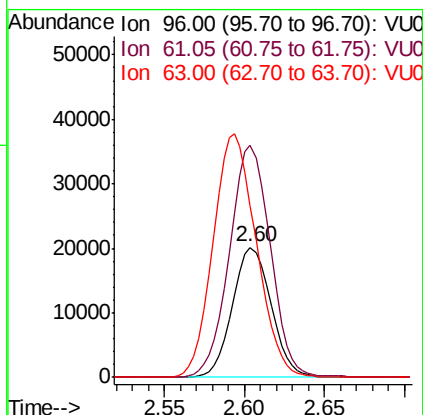
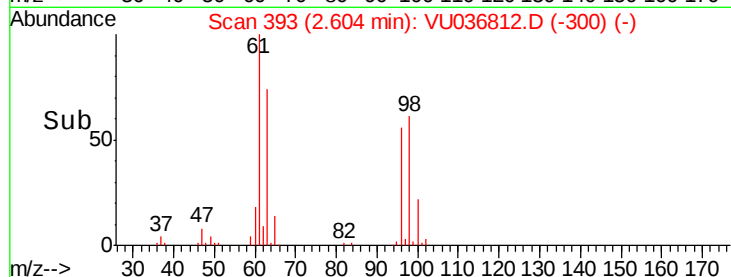
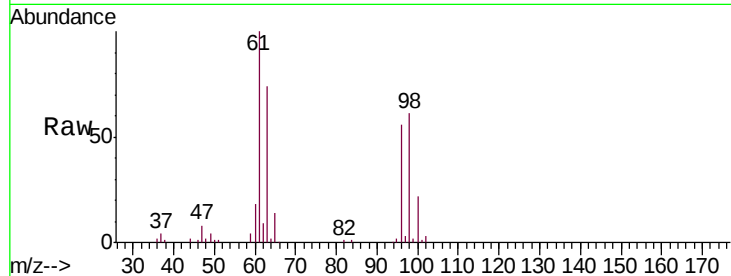
Tgt Ion: 96 Resp: 33225

Ion Ratio Lower Upper

96 100

61 178.8 126.4 234.8

63 132.4 89.5 166.3



#13

Acetone

Concen: 1.179 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU036812.D

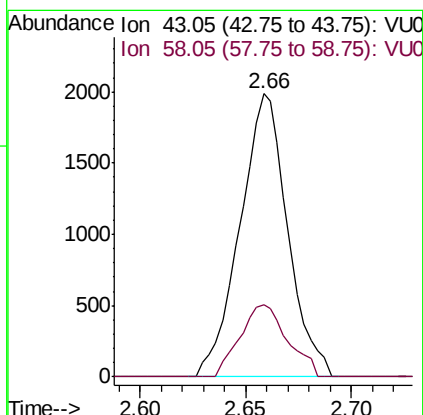
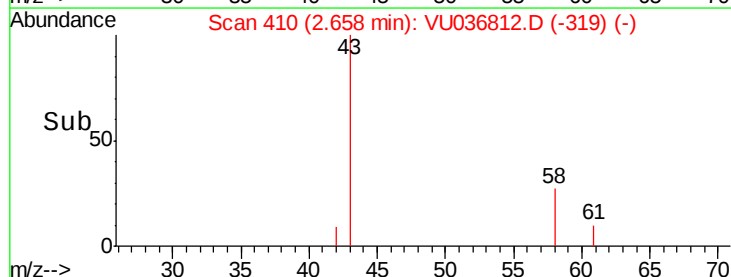
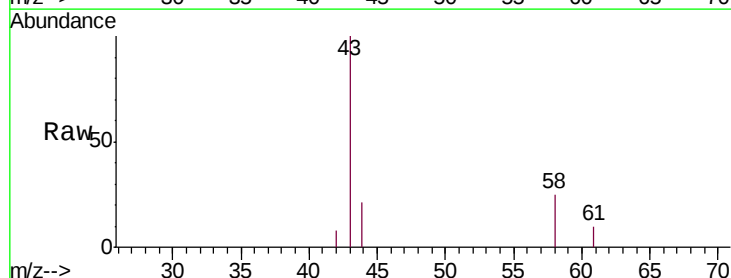
Acq: 17 Feb 2020 16:09

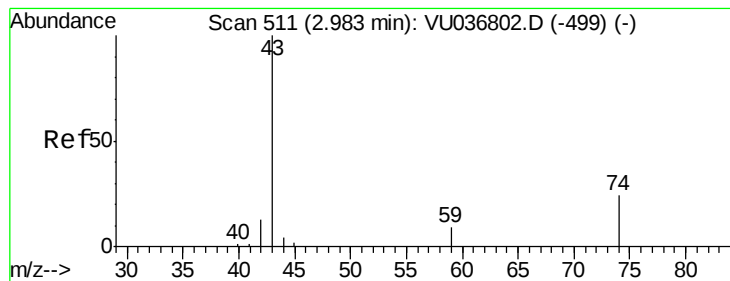
Tgt Ion: 43 Resp: 3116

Ion Ratio Lower Upper

43 100

58 25.2 0.0 64.2





#15

Methyl Acetate

Concen: 0.190 ug/L

RT: 2.79 min Scan# 452

Delta R.T. -0.19 min

Lab File: VU036812.D

Acq: 17 Feb 2020 16:09

Instrument :

MSVOA_U

ClientSampleId :

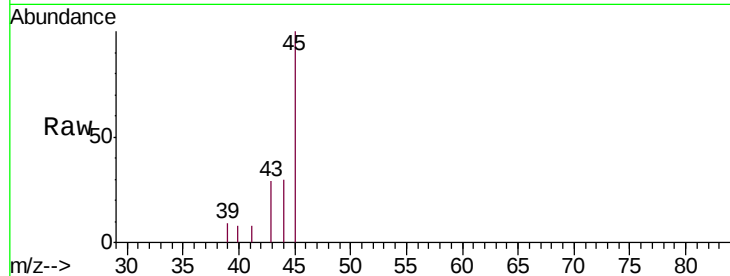
DBD33MSD

Tgt Ion: 43 Resp: 668

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.79

400

300

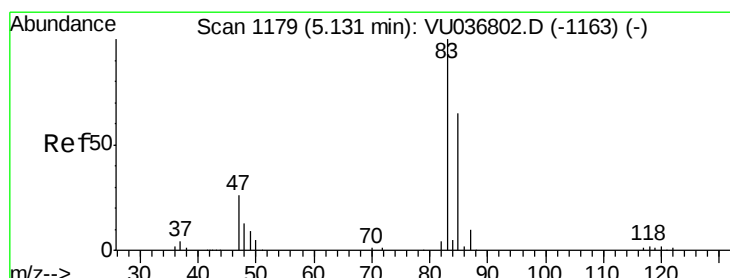
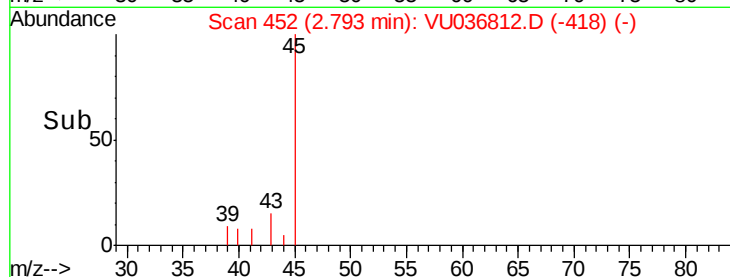
200

100

0

2.76 2.78 2.80 2.82

Time-->



#25

Chloroform

Concen: 0.210 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VU036812.D

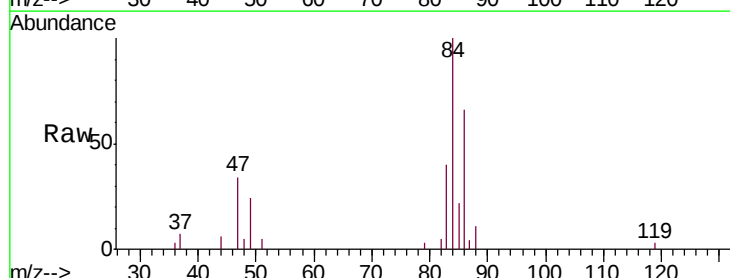
Acq: 17 Feb 2020 16:09

Tgt Ion: 83 Resp: 3388

Ion Ratio Lower Upper

83 100

85 55.5 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.13

1500

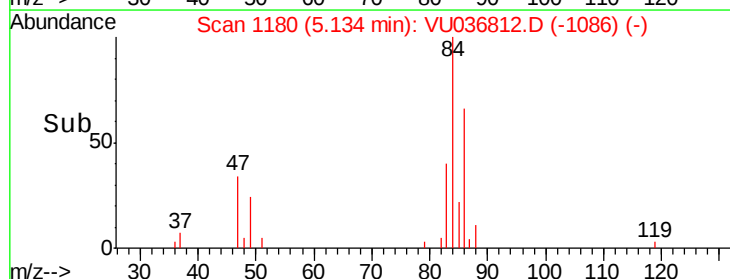
1000

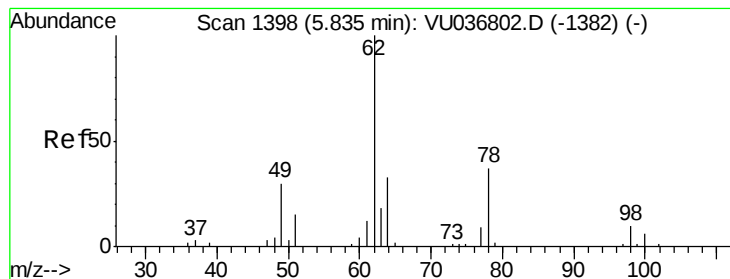
500

0

5.10 5.15

Time-->





#27

1,2-Dichloroethane

Concen: 0.151 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. -0.02 min

Lab File: VU036812.D

Acq: 17 Feb 2020 16:09

Instrument :

MSVOA_U

ClientSampleId :

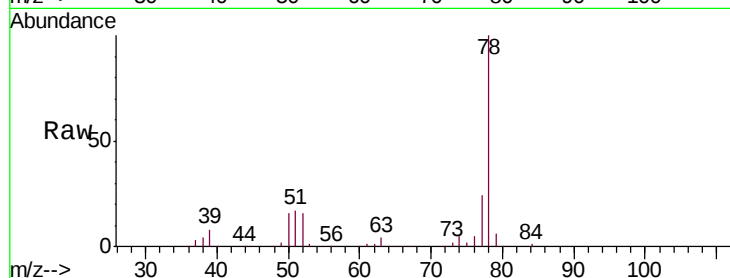
DBD33MSD

Tgt Ion: 62 Resp: 1547

Ion Ratio Lower Upper

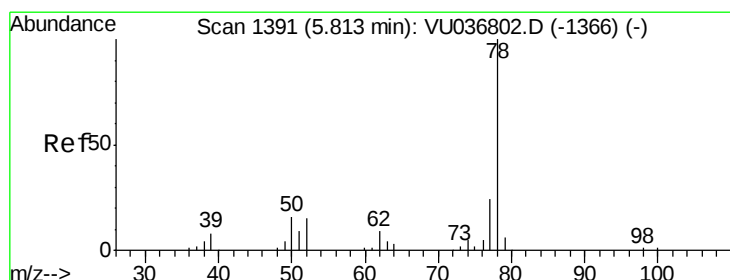
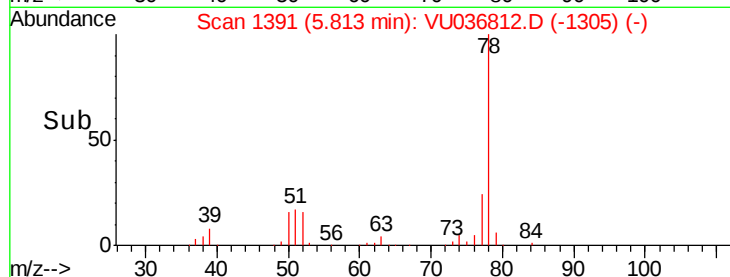
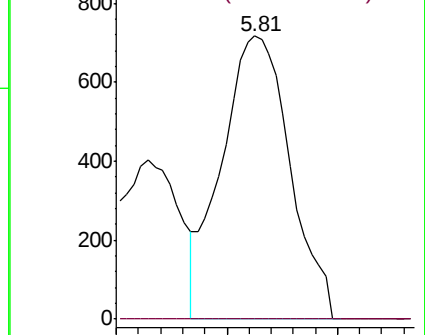
62 100

98 0.0 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VU036812.D (-1382) (-)

Ion 98.05 (97.75 to 98.75): VU036812.D (-1382) (-)



#33

Benzene

Concen: 5.217 ug/L

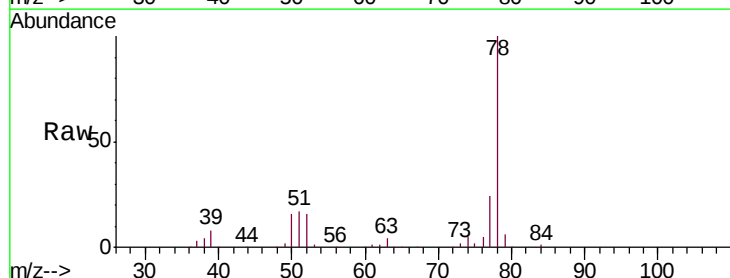
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

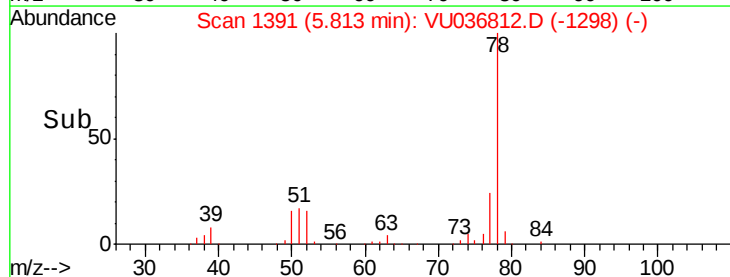
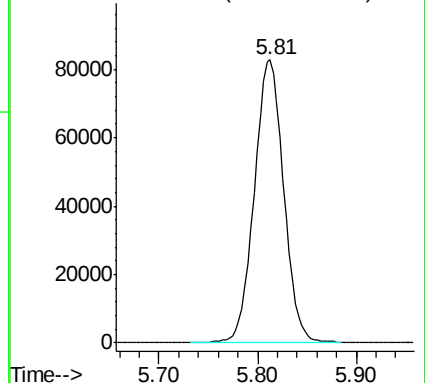
Lab File: VU036812.D

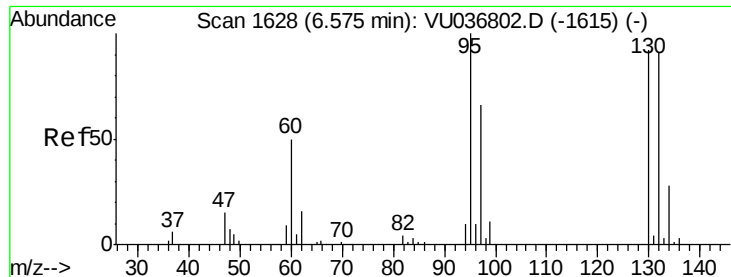
Acq: 17 Feb 2020 16:09

Tgt Ion: 78 Resp: 169961



Abundance Ion 78.10 (77.80 to 78.80): VU036812.D (-1366) (-)

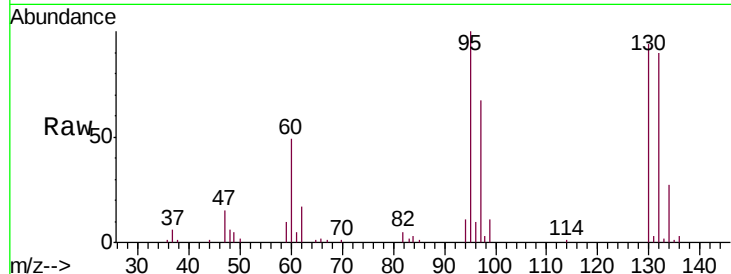




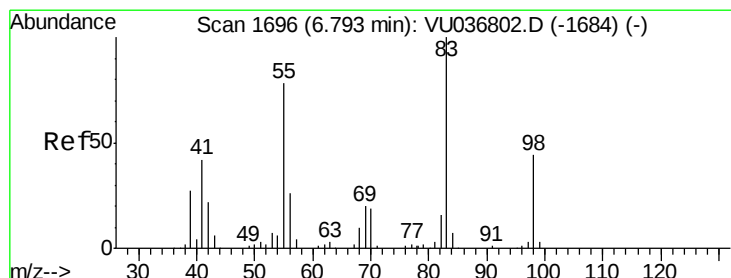
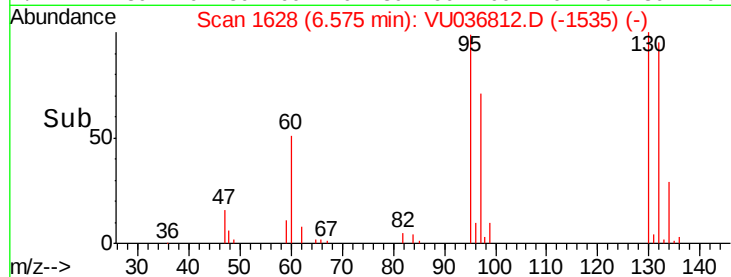
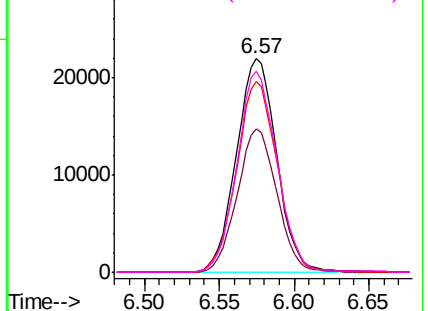
#34
 Trichloroethene
 Concen: 4.952 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU036812.D
 Acq: 17 Feb 2020 16:09

Instrument :
 MSVOA_U
 ClientSampleId :
 DBD33MSD

Tgt Ion: 95 Resp: 41094
 Ion Ratio Lower Upper
 95 100
 97 67.1 45.6 84.8
 132 89.5 62.8 116.6
 130 94.4 63.8 118.4

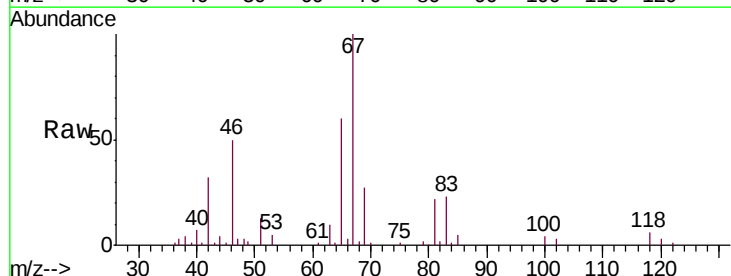


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

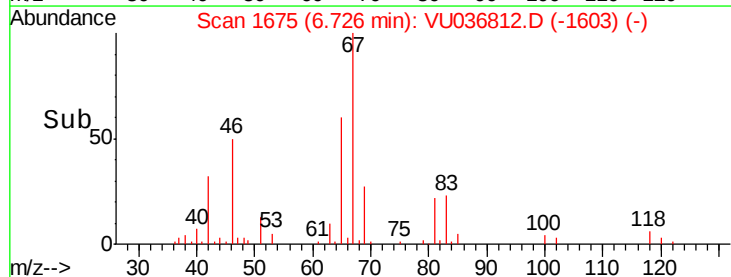
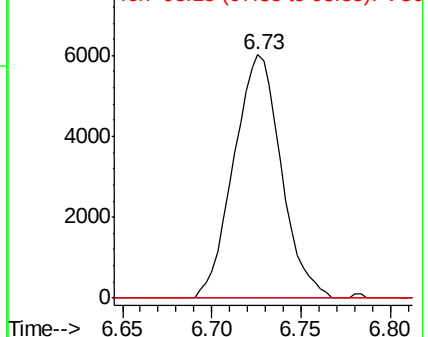


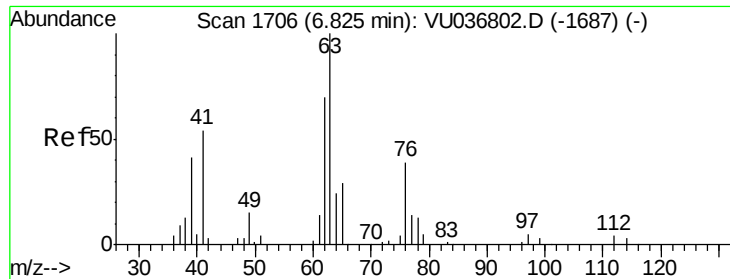
#35
 Methylcyclohexane
 Concen: 0.848 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.07 min
 Lab File: VU036812.D
 Acq: 17 Feb 2020 16:09

Tgt Ion: 83 Resp: 11173
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.0 91.4#
 98 10.3 34.2 51.4#



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

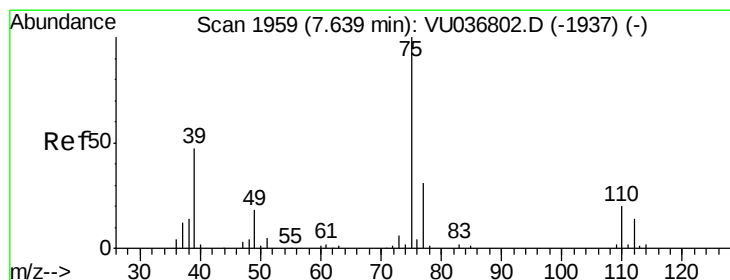
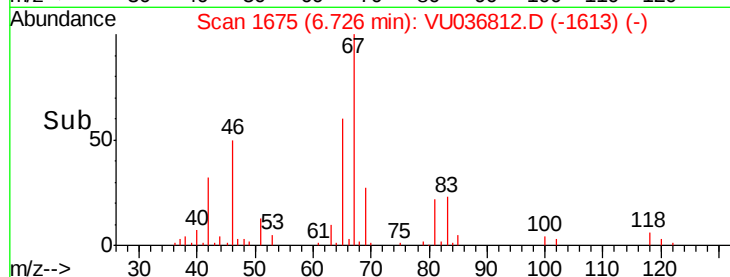
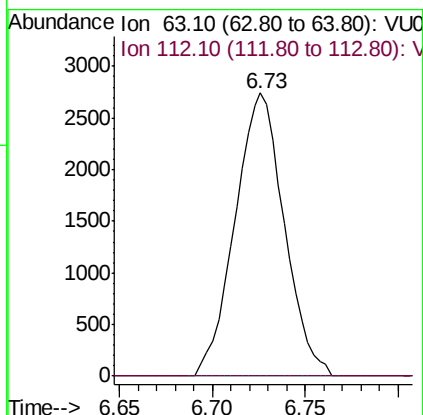
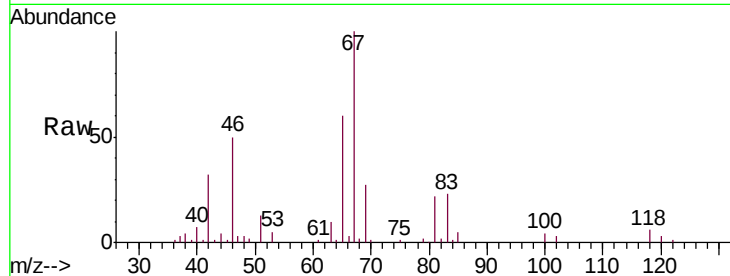




#37
 1,2-Dichloropropane
 Concen: 0.569 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU036812.D
 Acq: 17 Feb 2020 16:09

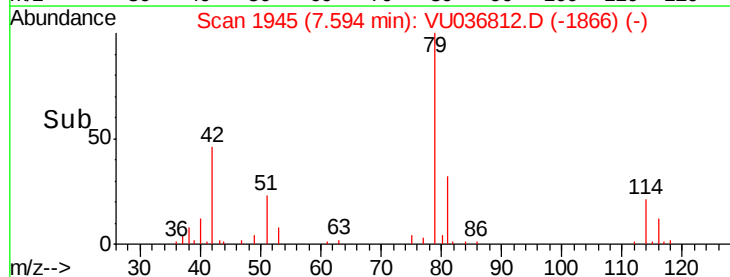
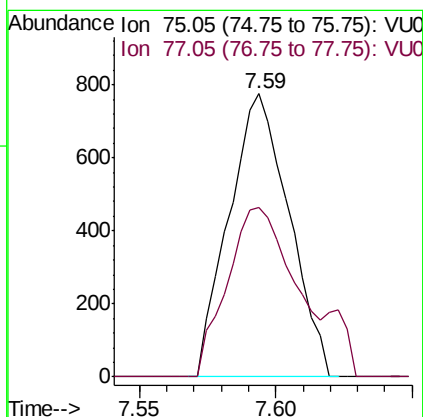
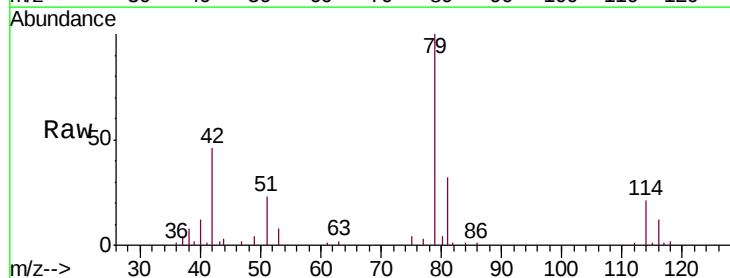
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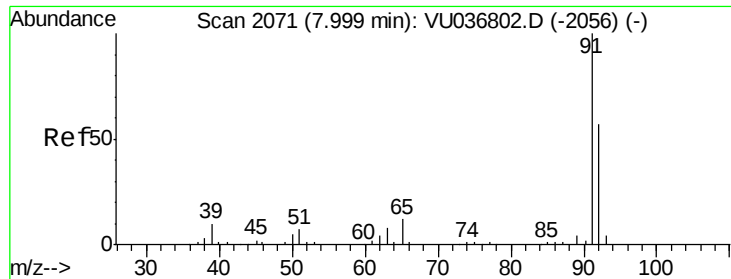
Tgt Ion: 63 Resp: 5065
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU036812.D
 Acq: 17 Feb 2020 16:09

Tgt Ion: 75 Resp: 1182
 Ion Ratio Lower Upper
 75 100
 77 59.9 22.5 41.9#





#42

Toluene

Concen: 5.254 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036812.D

Acq: 17 Feb 2020 16:09

Instrument :

MSVOA_U

ClientSampleId :

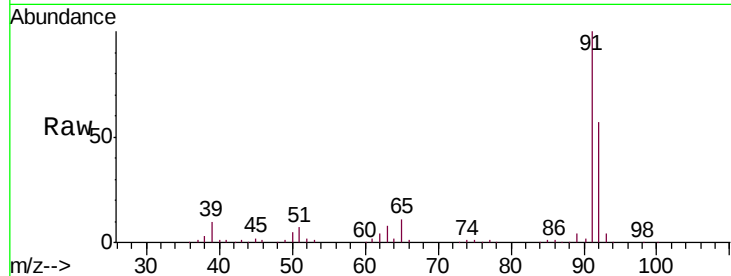
DBD33MSD

Tgt Ion: 91 Resp: 183863

Ion Ratio Lower Upper

91 100

92 56.7 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036812.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036812.D (-2056) (-)

8.00

120000

100000

80000

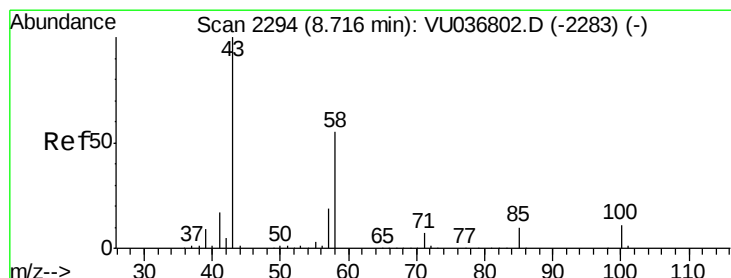
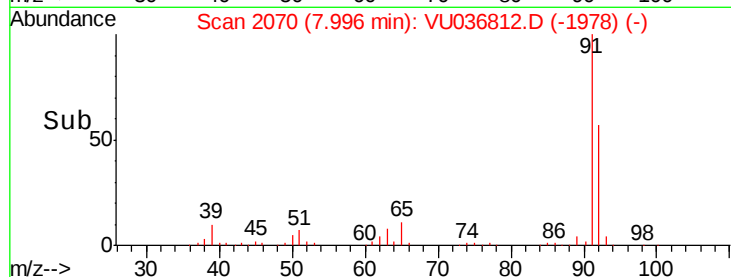
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#48

2-Hexanone

Concen: 2.366 ug/L

RT: 8.66 min Scan# 2277

Delta R.T. -0.05 min

Lab File: VU036812.D

Acq: 17 Feb 2020 16:09

Tgt Ion: 43 Resp: 11622

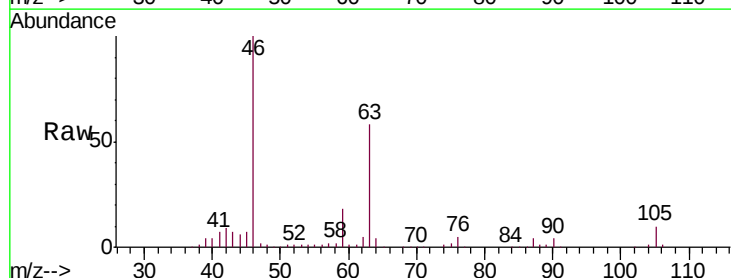
Ion Ratio Lower Upper

43 100

58 23.2 43.6 65.4#

57 22.1 15.0 22.4

100 0.0 9.0 13.6#



Abundance Ion 43.05 (42.75 to 43.75): VU036812.D (-2283) (-)

Ion 58.05 (57.75 to 58.75): VU036812.D (-2283) (-)

Ion 57.20 (56.90 to 57.90): VU036812.D (-2283) (-)

Ion 100.15 (99.85 to 100.85): VU036812.D (-2283) (-)

8.66

8000

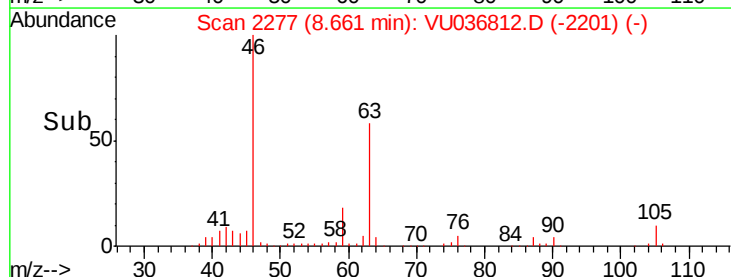
6000

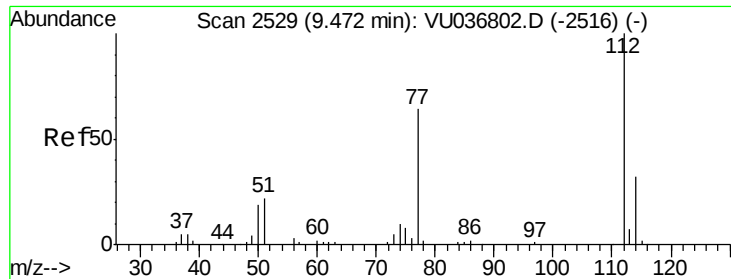
4000

2000

0

Time--> 8.60 8.65 8.70 8.80





#51

Chlorobenzene

Concen: 5.286 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU036812.D

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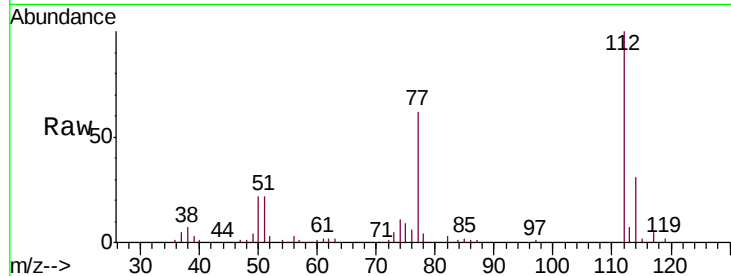
Tgt Ion: 112 Resp: 114421

Ion Ratio Lower Upper

112 100

114 31.3 22.9 42.5

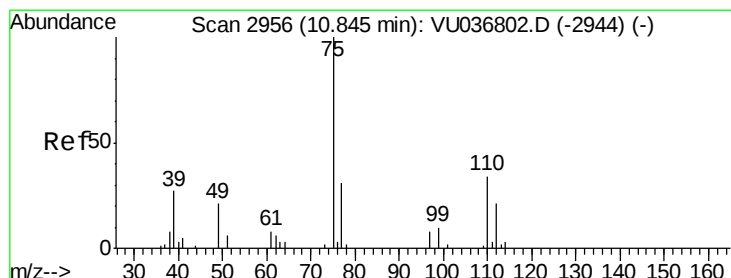
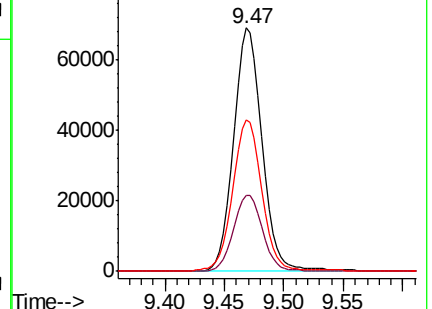
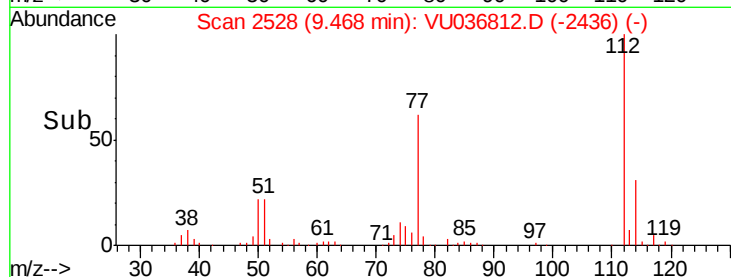
77 62.4 51.0 76.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 0.992 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU036812.D

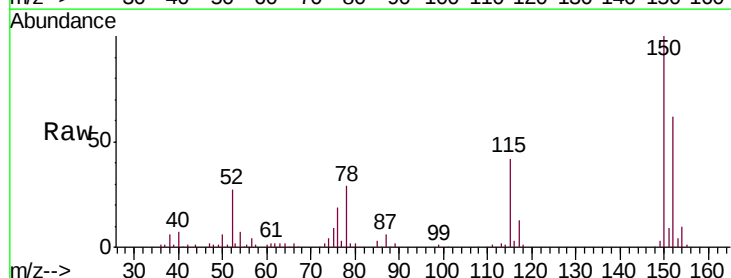
Acq: 17 Feb 2020 16:09

Tgt Ion: 75 Resp: 5824

Ion Ratio Lower Upper

75 100

77 38.9 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

