

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120920\
 Data File : VU041513.D
 Acq On : 09 Dec 2020 14:36
 Operator : SY/MD
 Sample : L4979-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 04:47:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 10 04:45:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	44114	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	50413	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23602	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	8340	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.92	69	9112	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.58	63	16646	3.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.60%
20) 2-Butanone-d5	4.65	46	39823	46.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.74%
24) Chloroform-d	5.08	84	28746	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.72	65	21373	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.74	84	41811	3.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.40%
36) 1,2-Dichloropropane-d6	6.70	67	11962	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.80%
41) Toluene-d8	7.91	98	41253	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.00%
43) trans-1,3-Dichloropropene-	8.19	79	7909	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.64	63	32526	40.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	12917	3.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	71.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	18872	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

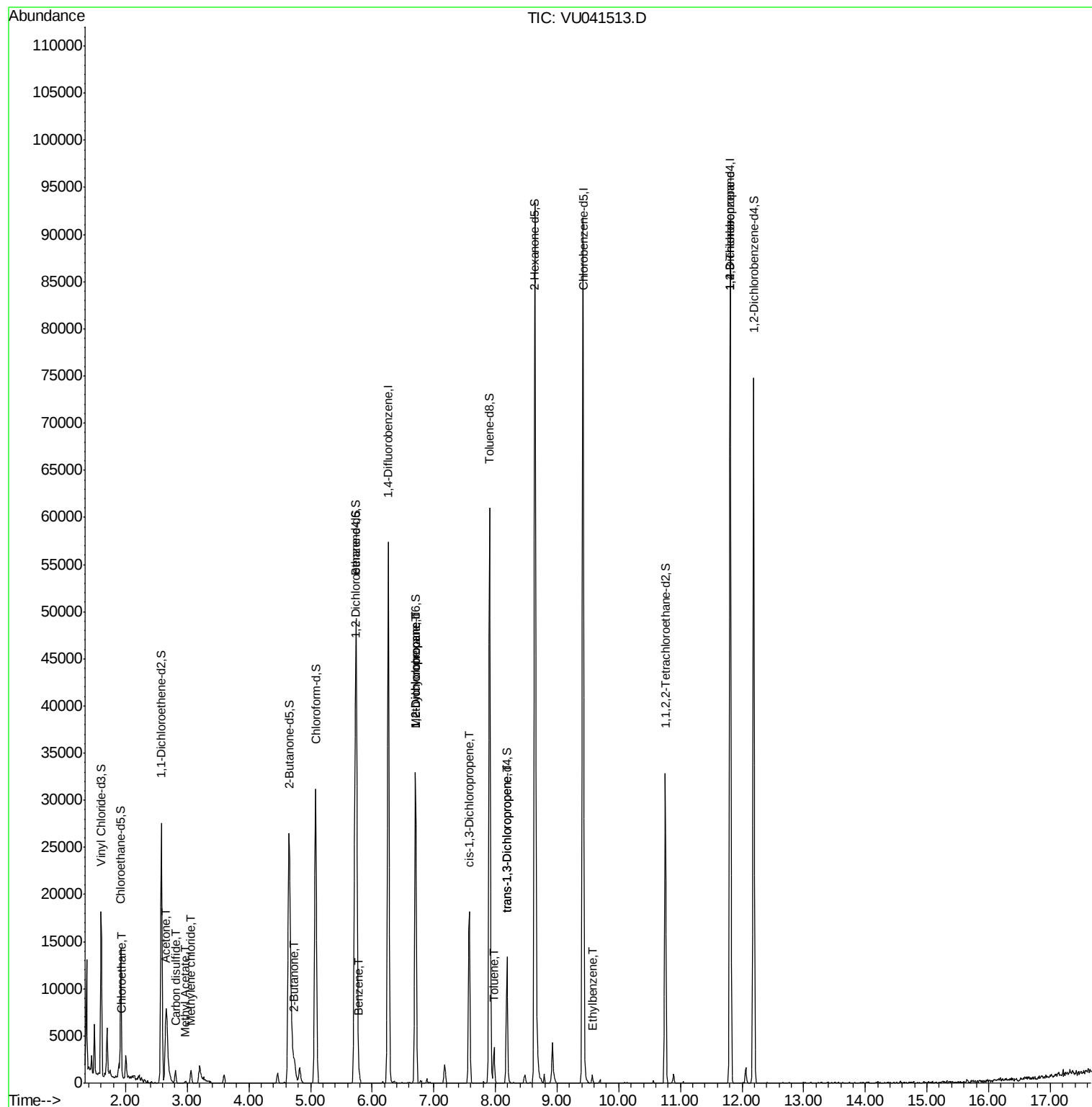
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	393	0.201	ug/L #	45
13) Acetone	2.66	43	16209	24.504	ug/L	99
14) Carbon disulfide	2.81	76	1506	0.189	ug/L	96
15) Methyl Acetate	2.97	43	310	0.256	ug/L #	51
16) Methylene chloride	3.06	84	679	0.197	ug/L	84
21) 2-Butanone	4.74	43	2690	3.250	ug/L	86
33) Benzene	5.79	78	1258	0.101	ug/L	100
35) Methylcyclohexane	6.70	83	3639	0.708	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	1879	0.643	ug/L #	84
39) cis-1,3-Dichloropropene	7.57	75	576	0.109	ug/L	85
42) Toluene	7.97	91	2816	0.201	ug/L	79
44) trans-1,3-Dichloropropene	8.19	75	354	0.067	ug/L	91
52) Ethylbenzene	9.57	91	859	0.053	ug/L	89
59) 1,2,3-Trichloropropane	11.81	75	2129	0.750	ug/L #	82

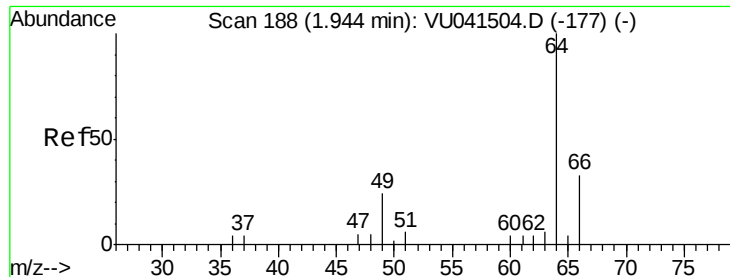
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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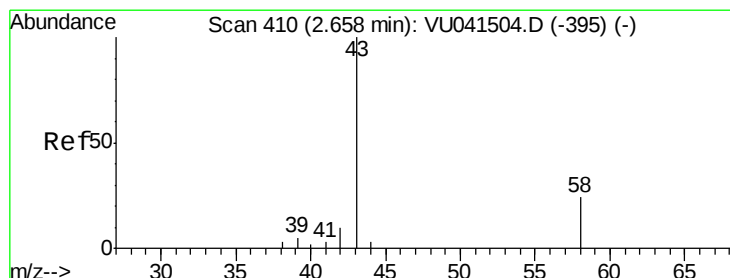
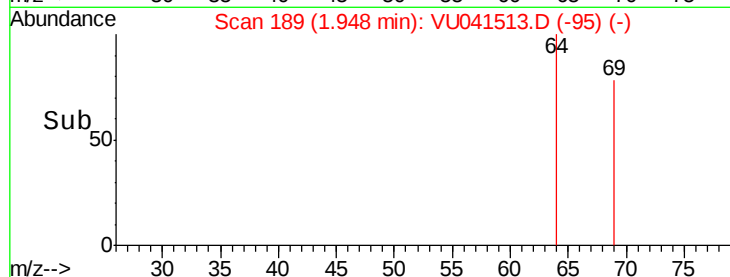
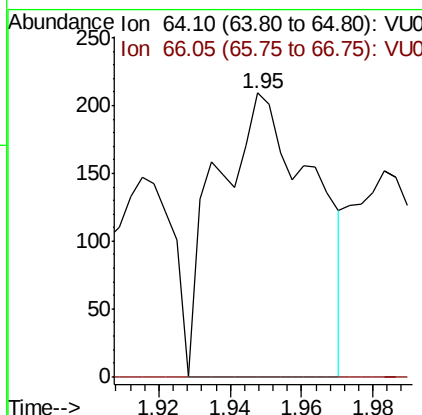
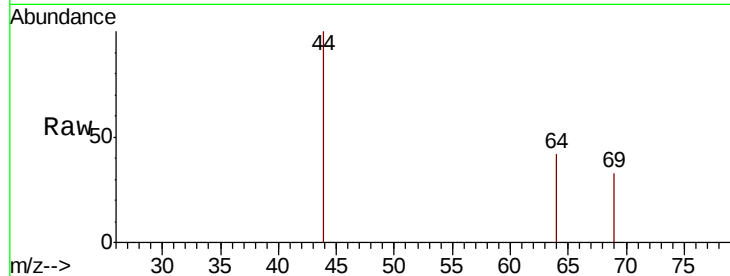




#8
Chloroethane
Concen: 0.201 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU041513.D
Acq: 09 Dec 2020 14:36

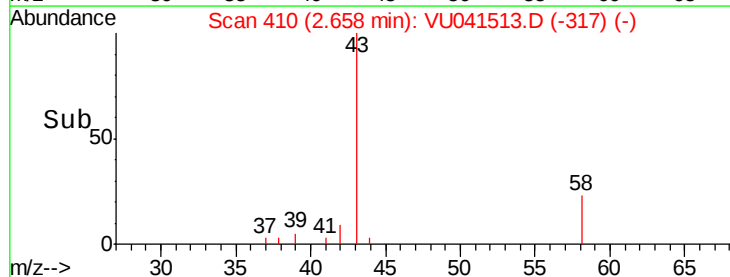
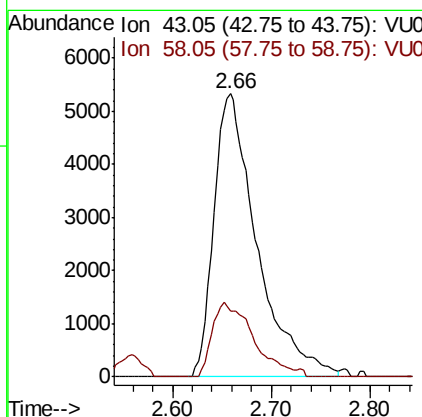
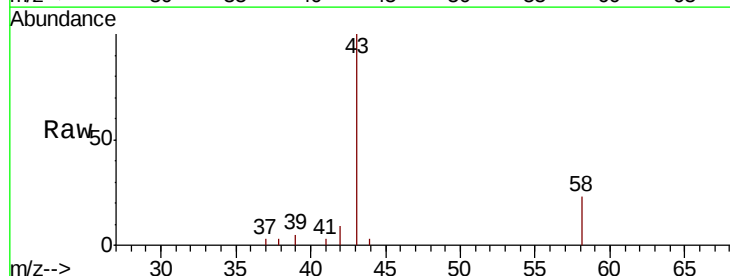
Instrument :
MSVOA_U
ClientSampleId :

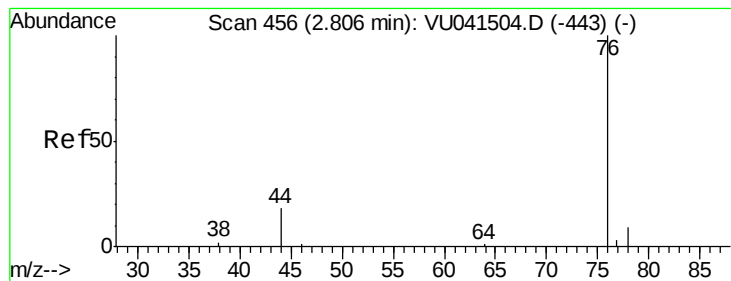
Tot Ion: 64 Resp: 393
Ion Ratio Lower Upper
64 100
66 0.0 20.9 38.9#



#13
Acetone
Concen: 24.504 ug/L
RT: 2.66 min Scan# 410
Delta R.T. -0.00 min
Lab File: VU041513.D
Acq: 09 Dec 2020 14:36

Tgt Ion: 43 Resp: 16209
Ion Ratio Lower Upper
43 100
58 25.5 0.0 50.0





#14

Carbon disulfide

Concen: 0.189 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU041513.D

Acq: 09 Dec 2020 14:36

Instrument :

MSVOA_U

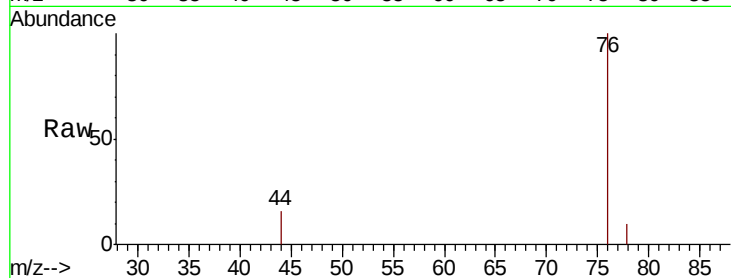
ClientSampleId :

Tot Ion: 76 Resp: 1506

Ion Ratio Lower Upper

76 100

78 10.0 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU041513.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041513.D (-443) (-)

2.81

1200

1000

800

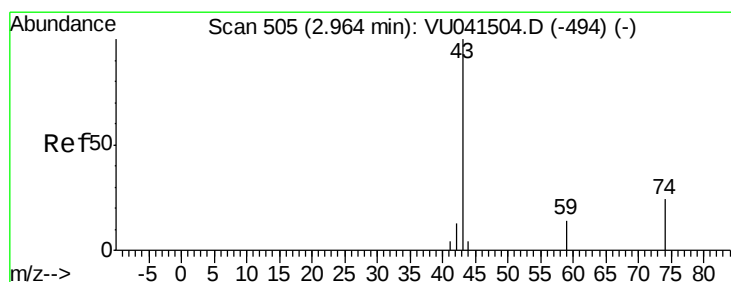
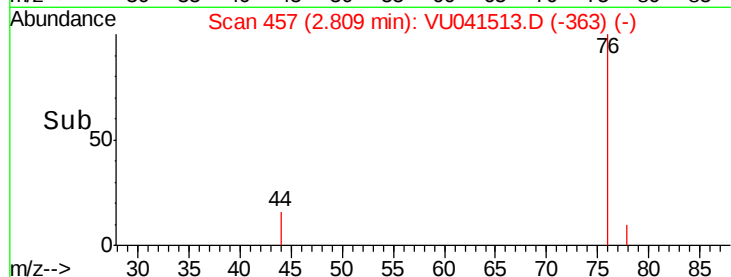
600

400

200

0

Time-->



#15

Methyl Acetate

Concen: 0.256 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.01 min

Lab File: VU041513.D

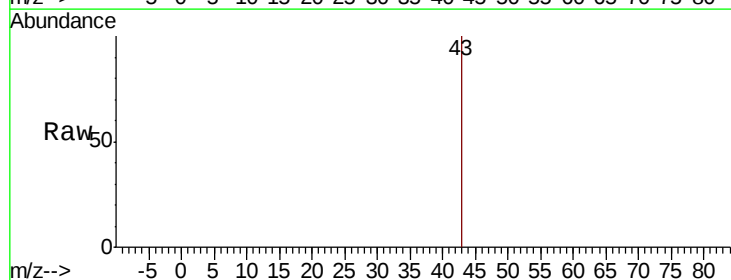
Acq: 09 Dec 2020 14:36

Tgt Ion: 43 Resp: 310

Ion Ratio Lower Upper

43 100

74 0.0 19.7 29.5#



Abundance Ion 43.05 (42.75 to 43.75): VU041513.D (-412) (-)

Ion 74.05 (73.75 to 74.75): VU041513.D (-412) (-)

2.97

200

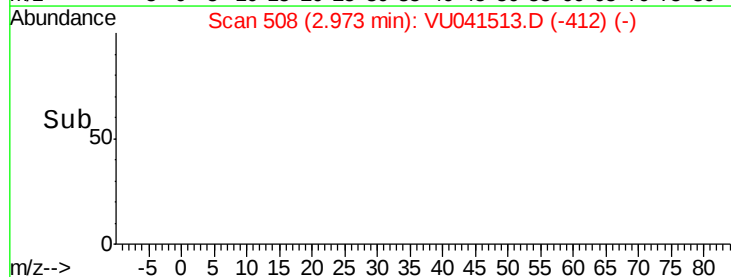
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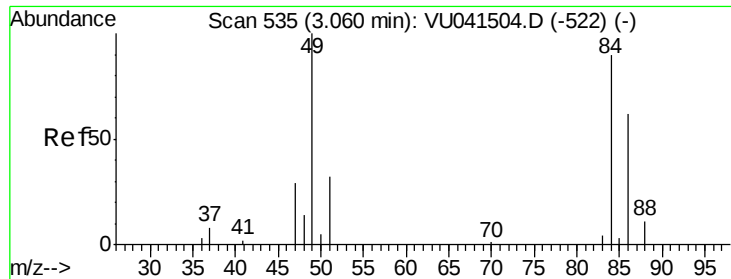
100

50

0

Time-->

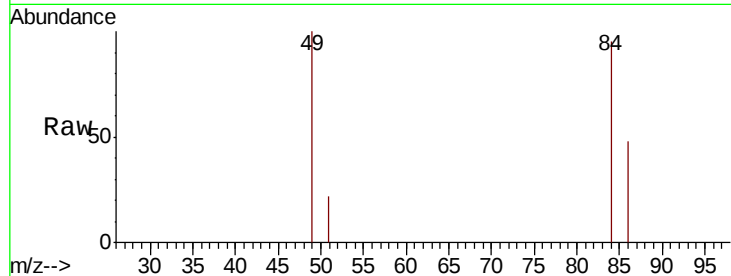




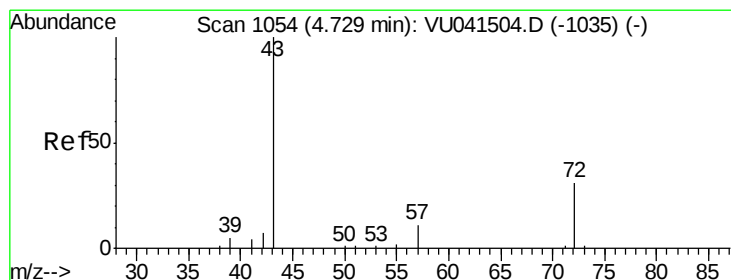
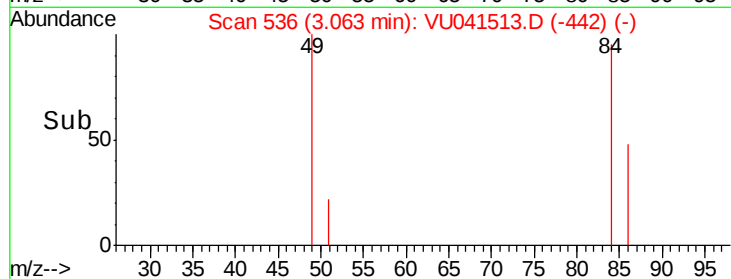
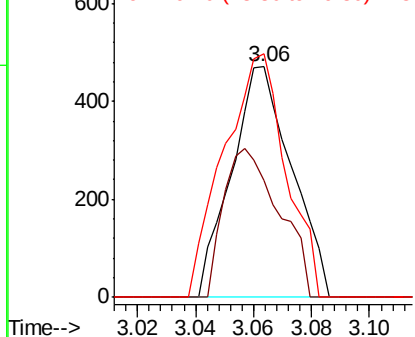
#16
Methvlene chloride
Concen: 0.197 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU041513.D
Acq: 09 Dec 2020 14:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 679
Ion Ratio Lower Upper
84 100
86 50.6 44.1 81.9
49 105.7 86.1 159.9

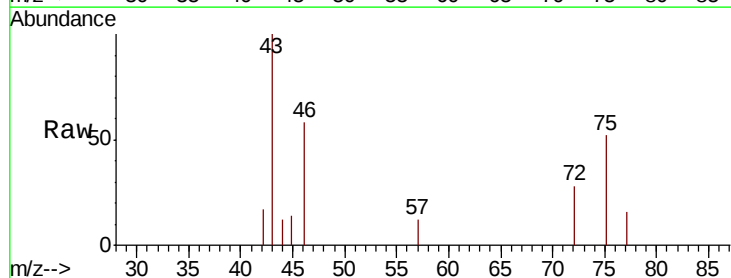


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

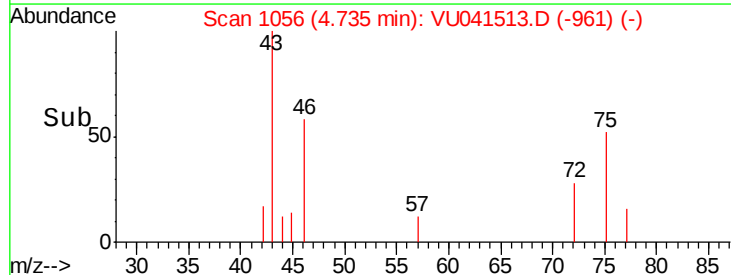
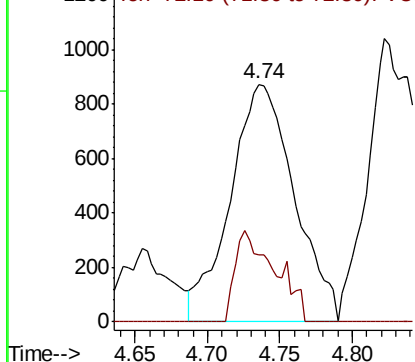


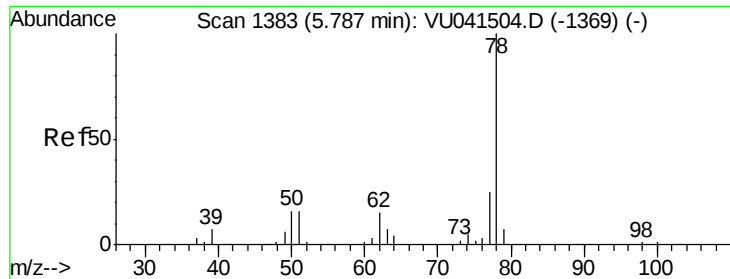
#21
2-Butanone
Concen: 3.250 ug/L
RT: 4.74 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VU041513.D
Acq: 09 Dec 2020 14:36

Tgt Ion: 43 Resp: 2690
Ion Ratio Lower Upper
43 100
72 23.9 15.7 47.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0

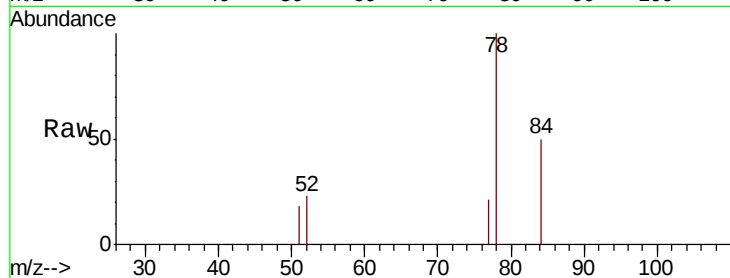




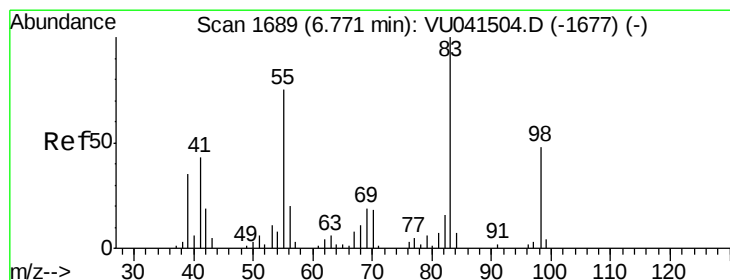
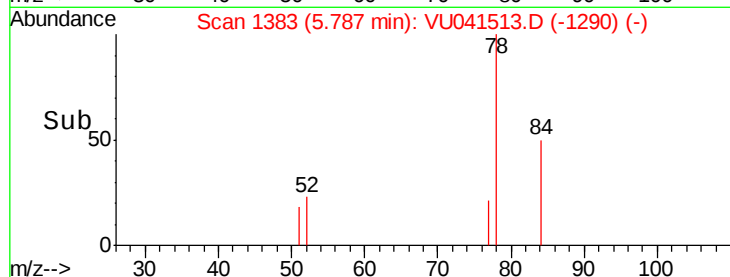
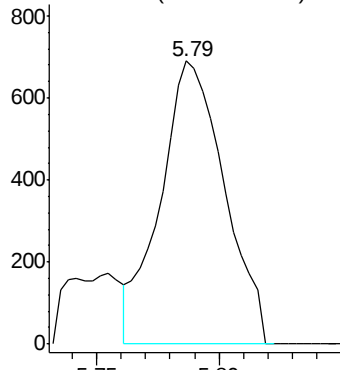
#33
Benzene
Concen: 0.101 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041513.D
Acq: 09 Dec 2020 14:36

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 1258

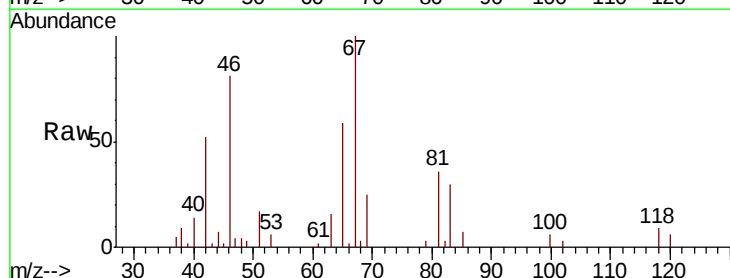


Abundance Ion 78.10 (77.80 to 78.80): VU0



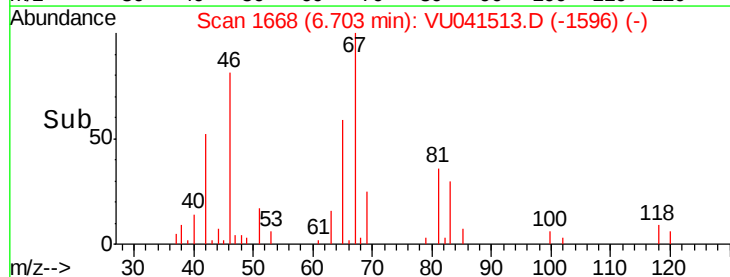
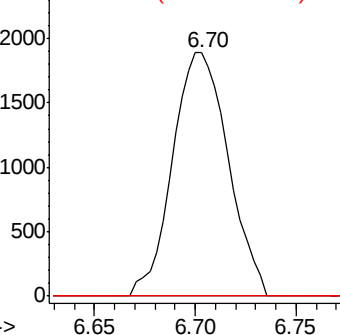
#35
Methylcyclohexane
Concen: 0.708 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041513.D
Acq: 09 Dec 2020 14:36

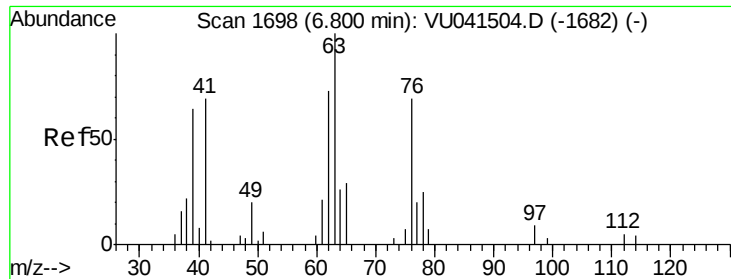
Tgt Ion: 83 Resp: 3639
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 38.7 58.1#



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

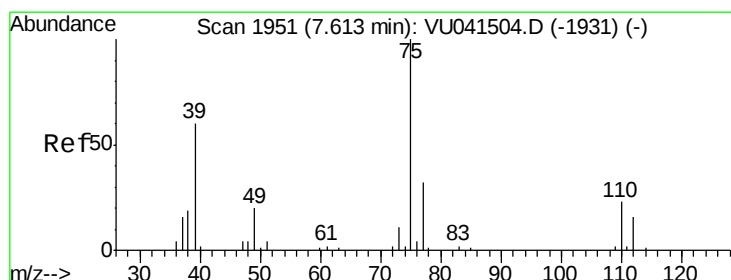
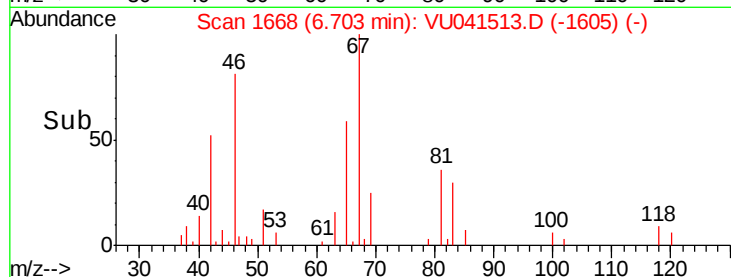
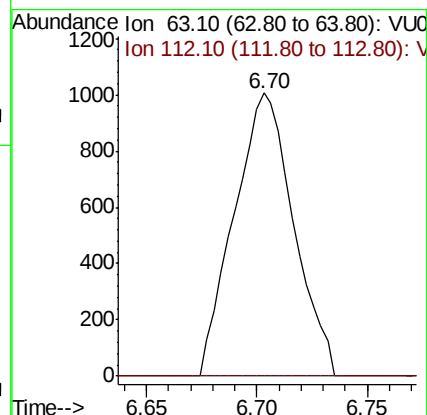
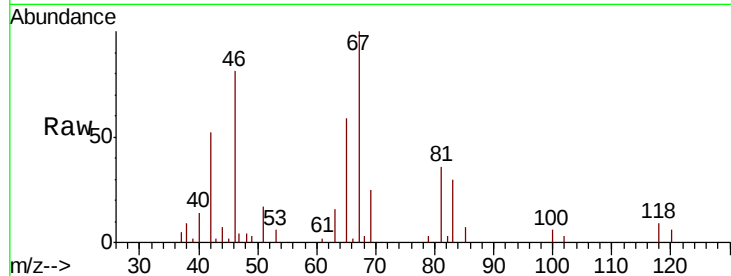




#37
 1,2-Dichloropropane
 Concen: 0.643 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041513.D
 Acq: 09 Dec 2020 14:36

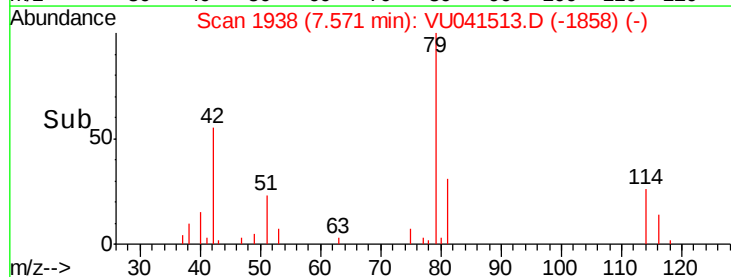
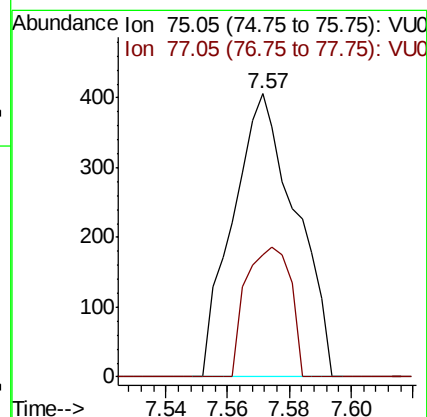
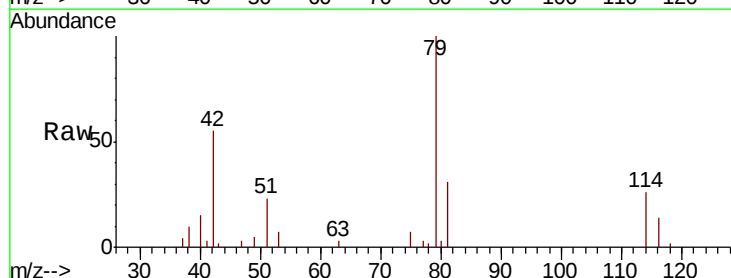
Instrument :
 MSVOA_U
 ClientSampled :

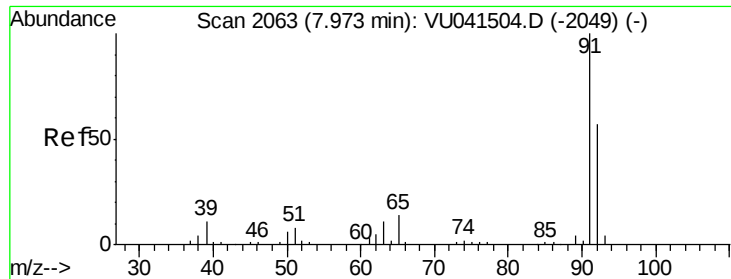
Tot Ion: 63 Resp: 1879
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041513.D
 Acq: 09 Dec 2020 14:36

Tgt Ion: 75 Resp: 576
 Ion Ratio Lower Upper
 75 100
 77 43.1 24.0 44.6





#42

Toluene

Concen: 0.201 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041513.D

Acq: 09 Dec 2020 14:36

Instrument :

MSVOA_U

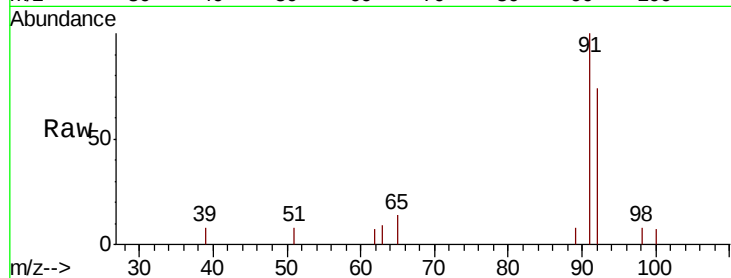
ClientSampleId :

Tot Ion: 91 Resp: 2816

Ion Ratio Lower Upper

91 100

92 74.0 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU041513.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU041513.D (-1970) (-)

7.97

1500

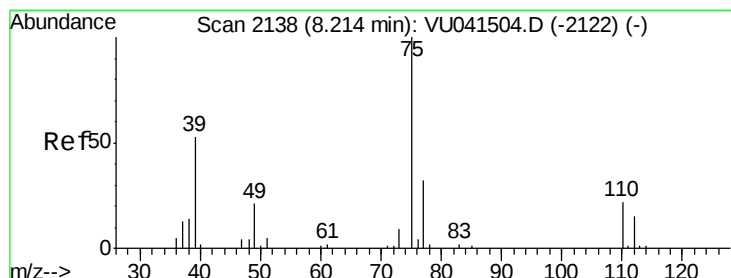
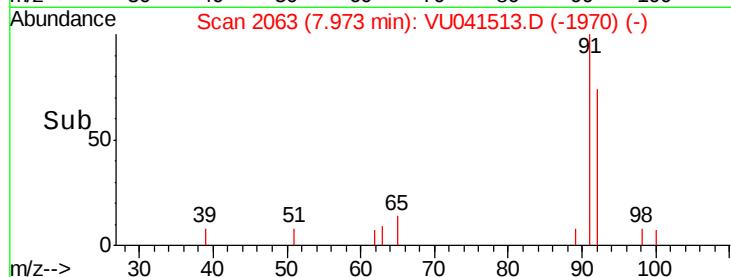
1000

500

0

7.95 8.00

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041513.D

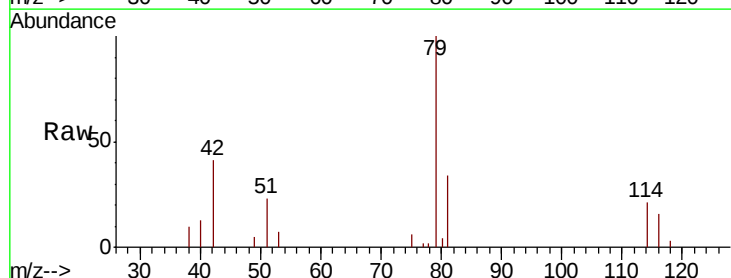
Acq: 09 Dec 2020 14:36

Tgt Ion: 75 Resp: 354

Ion Ratio Lower Upper

75 100

77 37.6 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU041513.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041513.D (-2045) (-)

8.19

300

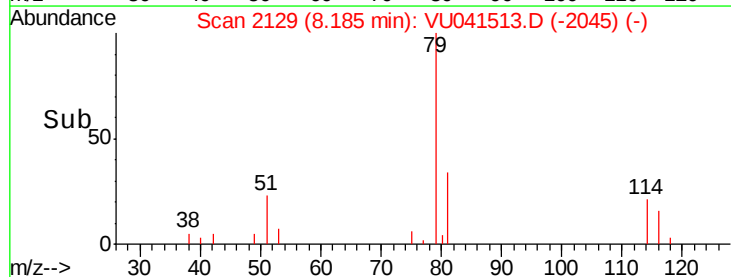
200

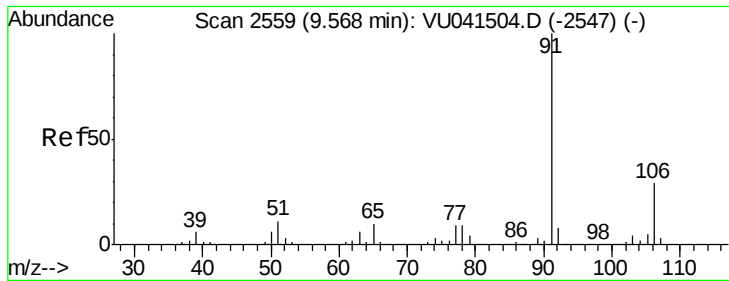
100

0

8.16 8.18 8.20

Time-->





#52

Ethylbenzene

Concen: 0.053 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.01 min

Lab File: VU041513.D

Acq: 09 Dec 2020 14:36

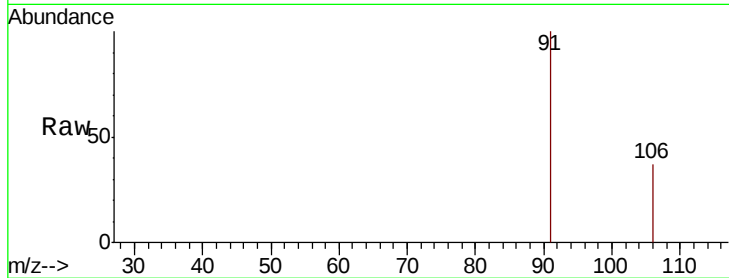
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 859

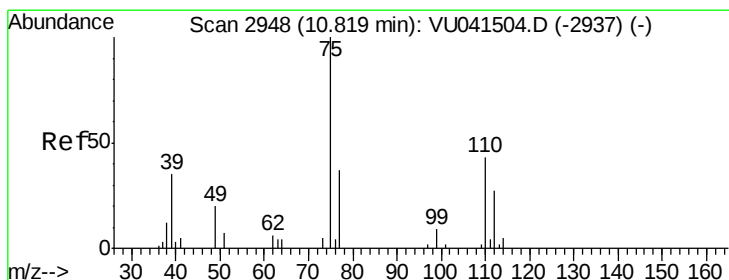
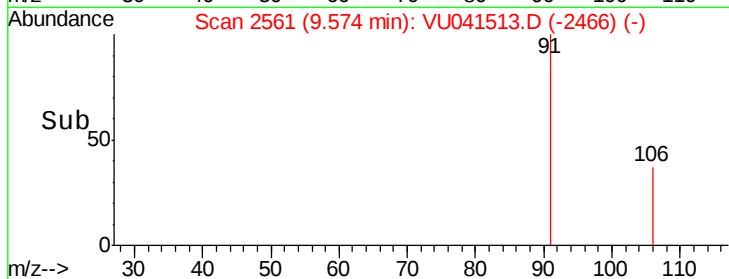
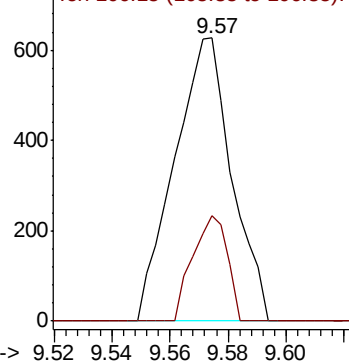
Ion Ratio Lower Upper

91 100

106 37.2 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041513.D (-2547) (-)



#59

1,2,3-Trichloropropane

Concen: 0.750 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041513.D

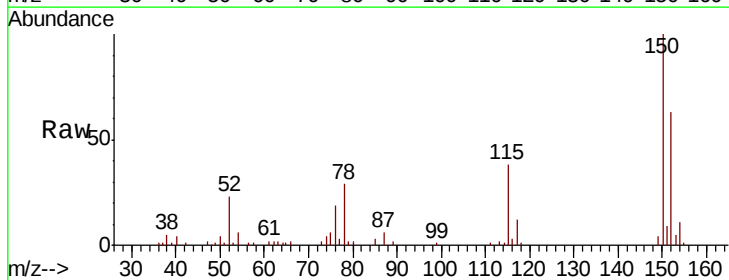
Acq: 09 Dec 2020 14:36

Tgt Ion: 75 Resp: 2129

Ion Ratio Lower Upper

75 100

77 43.3 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU041513.D (-2326) (-)

