

Data File : VU036852.D
Acq On : 19 Feb 2020 17:16
Operator : JC/MD
Sample : L1580-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBDJ9

Quant Time: Feb 20 04:50:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 20 04:46:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	136366	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	127815	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	62500	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	47833	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.93	69	43623	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.59	63	68205	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.67	46	118127	48.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.06%
24) Chloroform-d	5.11	84	78835	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.74	65	47764	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.76	84	184225	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.73	67	58024	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.93	98	167992	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.20	79	20107	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.66	63	105342	48.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.24%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	44648	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	54768	4.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.80%

Target Compounds

					Qvalue
8) Chloroethane	1.94	64	567	0.074 ug/L #	57
12) 1,1-Dichloroethene	2.59	96	570	0.069 ug/L #	1
13) Acetone	2.66	43	4310	1.371 ug/L	98
25) Chloroform	5.13	83	3935	0.205 ug/L	99
35) Methylcyclohexane	6.73	83	12851	0.807 ug/L #	21
37) 1,2-Dichloropropane	6.73	63	6341	0.589 ug/L #	89
39) cis-1,3-Dichloropropene	7.59	75	1370	0.088 ug/L #	49
42) Toluene	8.00	91	38959	0.920 ug/L	99
52) Ethylbenzene	9.59	91	1551681	32.812 ug/L	100
53) m,p-Xylene	9.71	106	1210628	69.562 ug/L	94
54) o-Xylene	10.12	106	531785	31.116 ug/L	96
55) Styrene	10.13	104	92976	3.227 ug/L #	27
56) Isopropylbenzene	10.50	105	199061	4.352 ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.77	83	2661	0.271 ug/L #	19
59) 1,2,3-Trichloropropane	11.01	75	16245	2.286 ug/L #	1
66) 1,2-Dibromo-3-chloropropan	13.06	75	101768	65.692 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021920\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 20 04:46:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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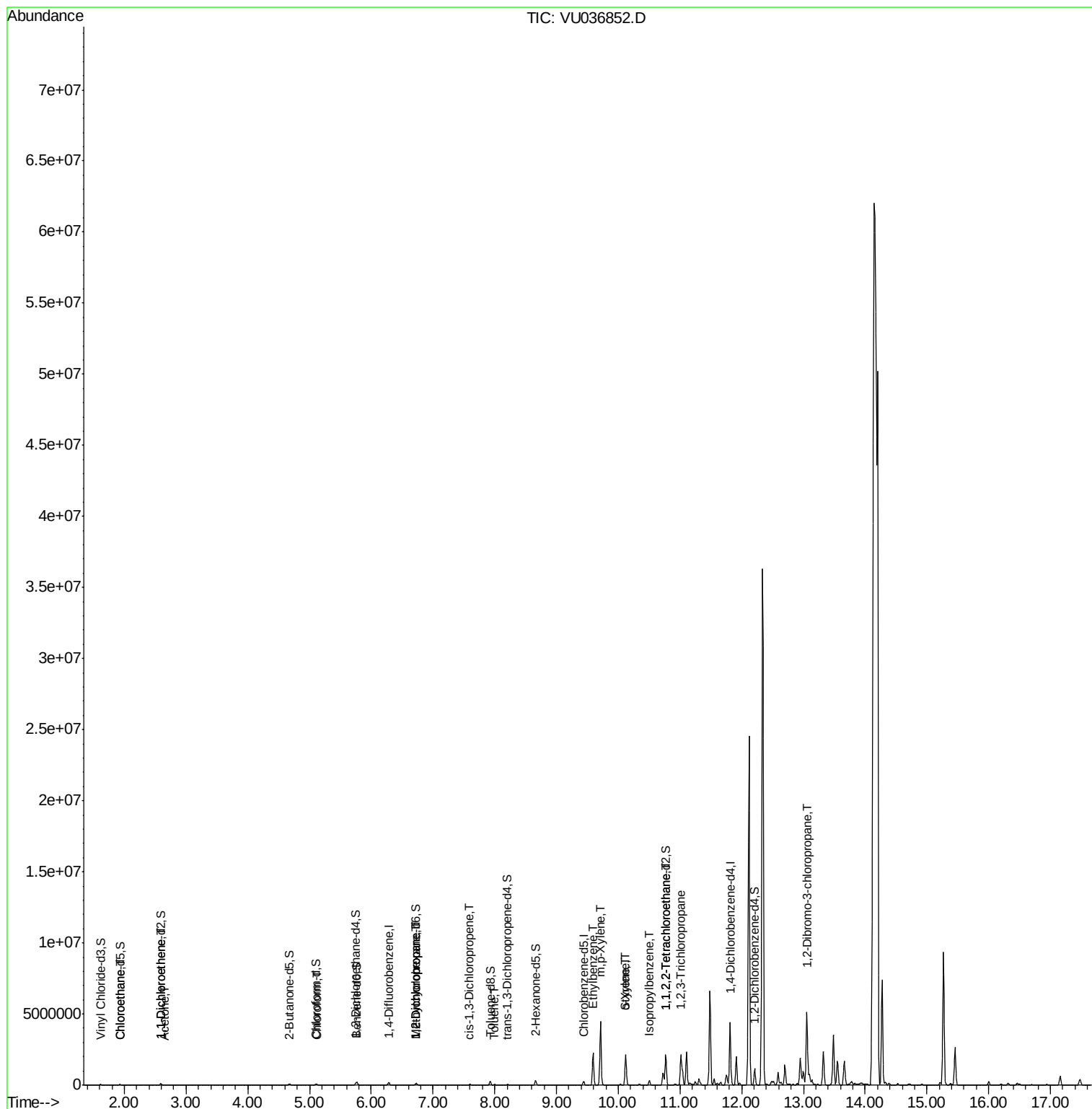
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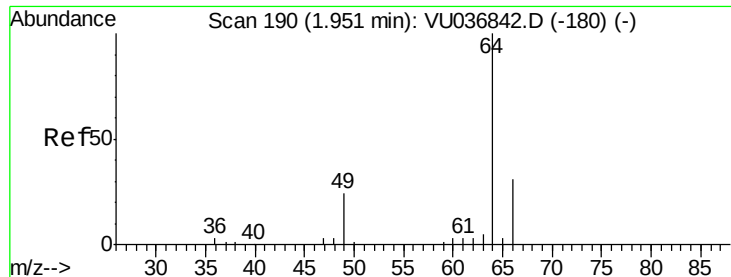
Data File : VU036852.D

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Quant Time: Feb 20 04:50:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
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QLast Update : Thu Feb 20 04:46:21 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.074 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.01 min

Lab File: VU036852.D

Acq: 19 Feb 2020 17:16

Instrument :

MSVOA_U

ClientSampleId :

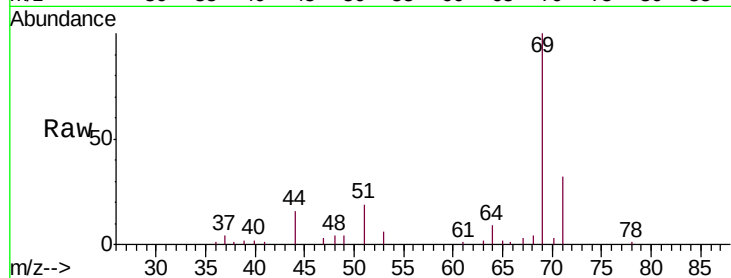
DBDJ9

Tgt Ion: 64 Resp: 567

Ion Ratio Lower Upper

64 100

66 7.6 21.8 40.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.94

1500

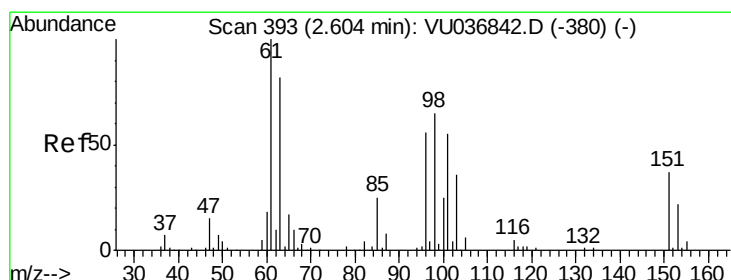
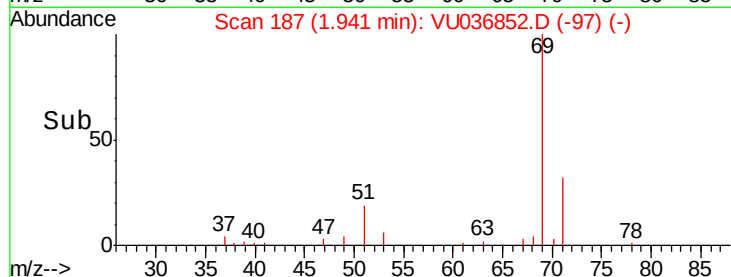
1000

500

0

1.92 1.94 1.96 1.98

Time-->



#12

1,1-Dichloroethene

Concen: 0.069 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU036852.D

Acq: 19 Feb 2020 17:16

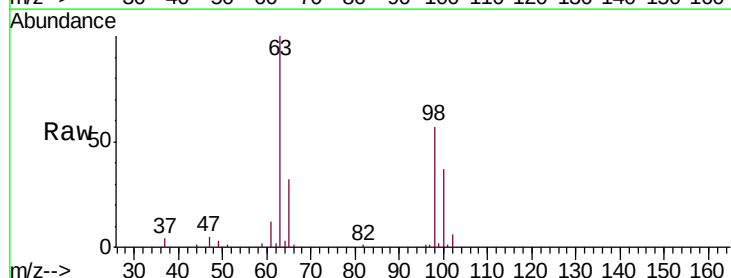
Tgt Ion: 96 Resp: 570

Ion Ratio Lower Upper

96 100

61 1204.7 126.4 234.8#

63 9933.5 89.5 166.3#



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

50000

40000

30000

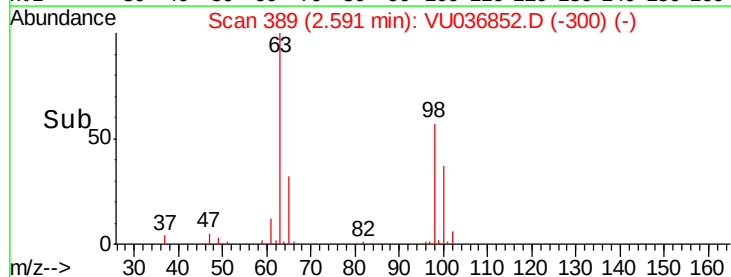
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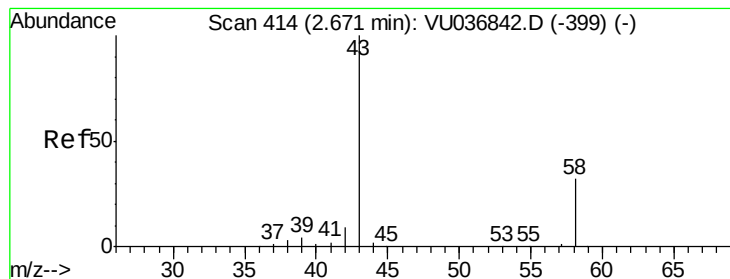
10000

0

2.56 2.58 2.60 2.62

Time-->





#13

Acetone

Concen: 1.371 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU036852.D

Acq: 19 Feb 2020 17:16

Instrument :

MSVOA_U

ClientSampleId :

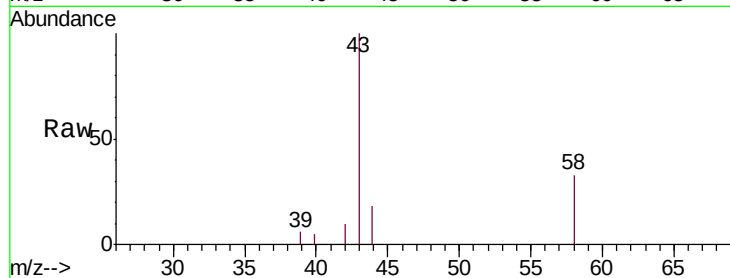
DBDJ9

Tgt Ion: 43 Resp: 4310

Ion Ratio Lower Upper

43 100

58 31.2 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036852.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU036852.D (-399) (-)

2.66

2500

2000

1500

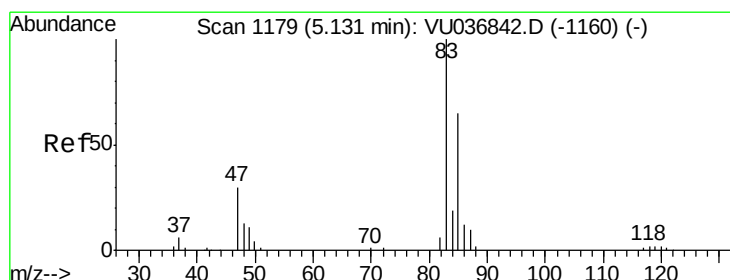
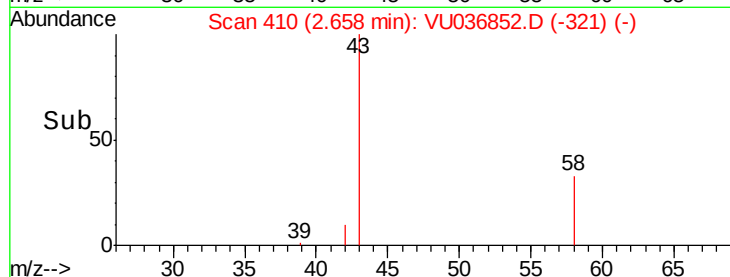
1000

500

0

Time-->

2.60 2.65 2.70



#25

Chloroform

Concen: 0.205 ug/L

RT: 5.13 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VU036852.D

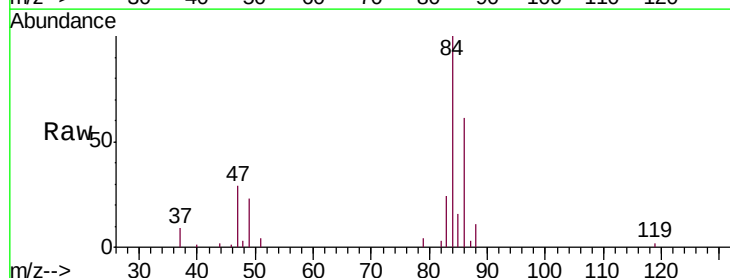
Acq: 19 Feb 2020 17:16

Tgt Ion: 83 Resp: 3935

Ion Ratio Lower Upper

83 100

85 65.9 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VU036852.D (-1160) (-)

Ion 85.00 (84.70 to 85.70): VU036852.D (-1160) (-)

5.13

2000

1500

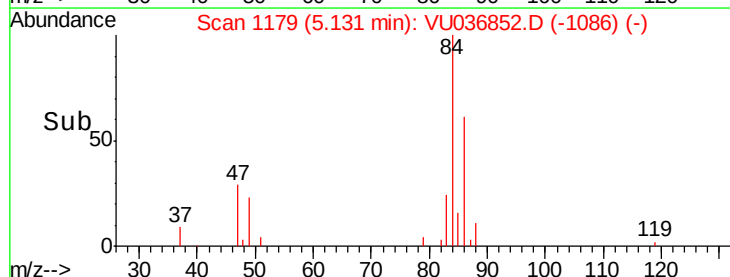
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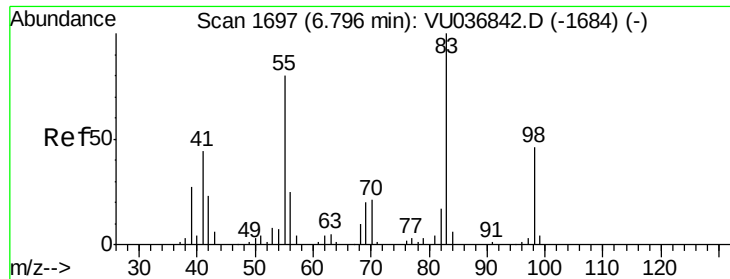
500

0

Time-->

5.10 5.15

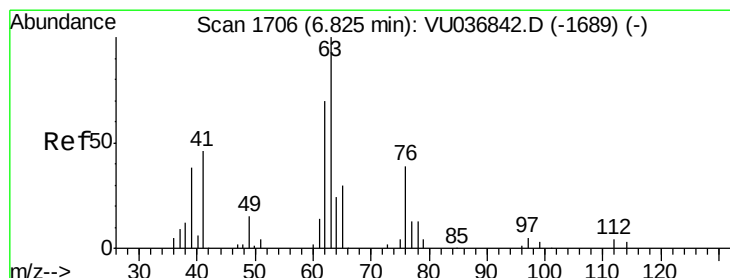
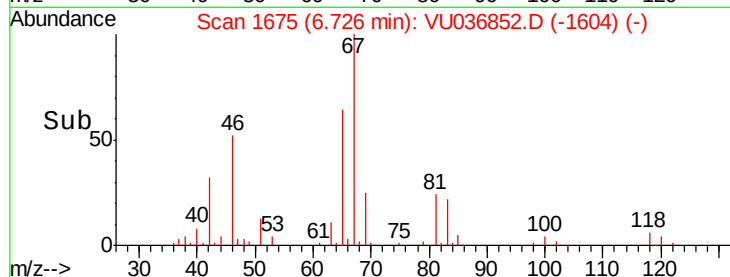
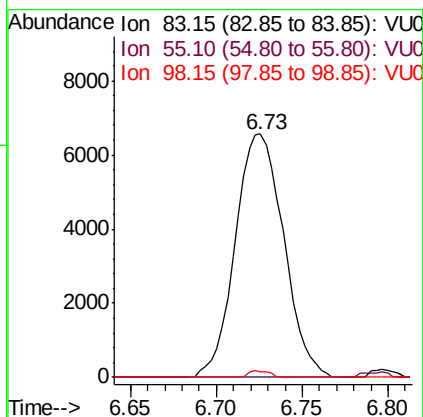
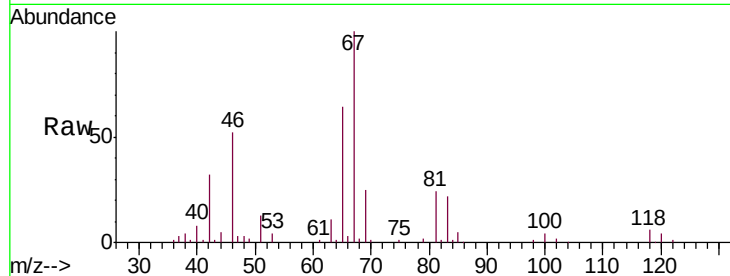




#35
Methylcyclohexane
Concen: 0.807 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.07 min
Lab File: VU036852.D
Acq: 19 Feb 2020 17:16

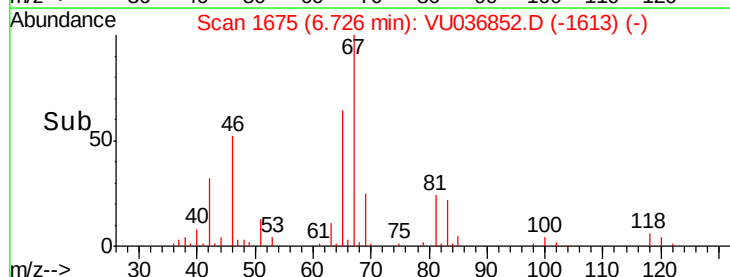
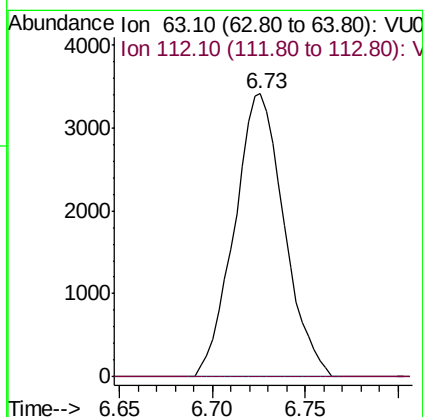
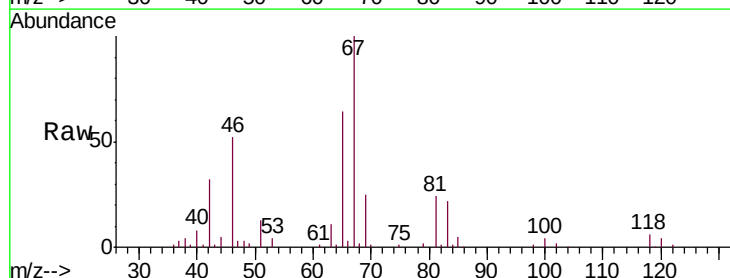
Instrument :
MSVOA_U
ClientSampleId :
DBDJ9

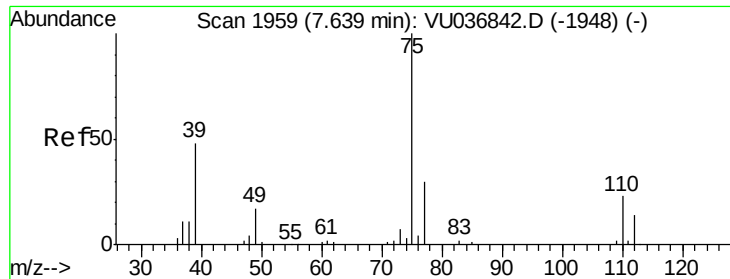
Tgt Ion	Ratio	Lower	Upper
83	100		
55	1.1	61.0	91.4#
98	1.2	34.2	51.4#



#37
1,2-Dichloropropane
Concen: 0.589 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.10 min
Lab File: VU036852.D
Acq: 19 Feb 2020 17:16

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



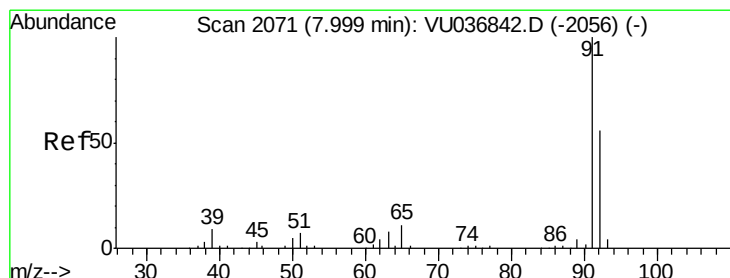
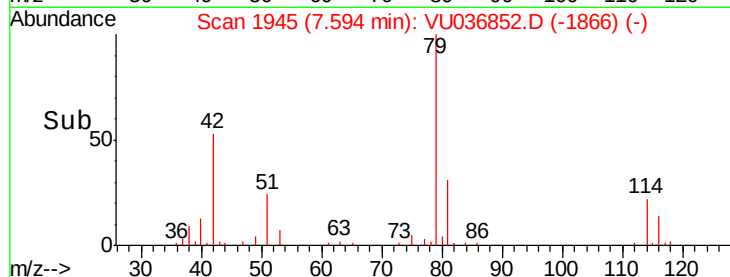
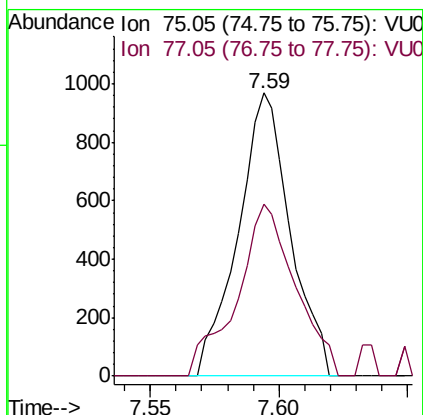
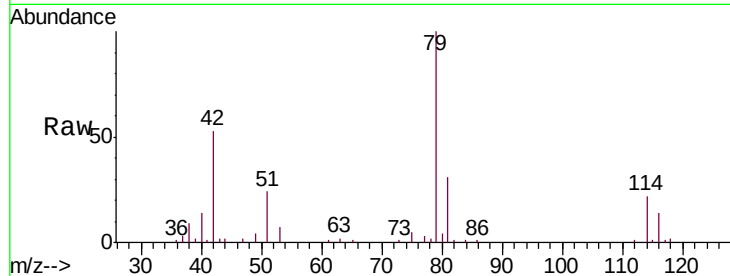


#39

cis-1,3-Dichloropropene
Concen: 0.088 ug/L
RT: 7.59 min Scan# 1945
Delta R.T. -0.04 min
Lab File: VU036852.D
Acq: 19 Feb 2020 17:16

Instrument :
MSVOA_U
ClientSampleId :
DBDJ9

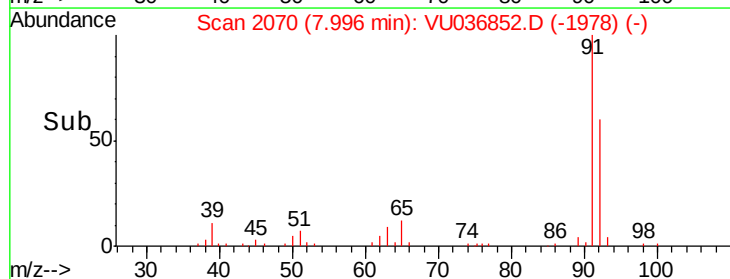
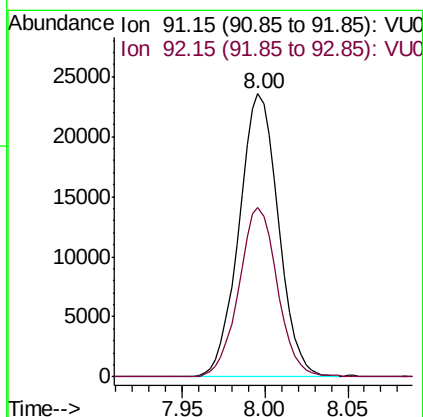
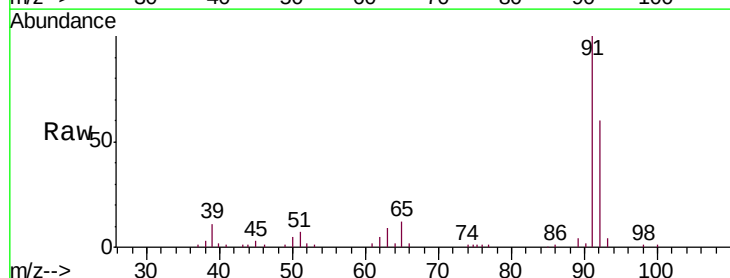
Tgt Ion: 75 Resp: 1370
Ion Ratio Lower Upper
75 100
77 60.8 22.5 41.9#

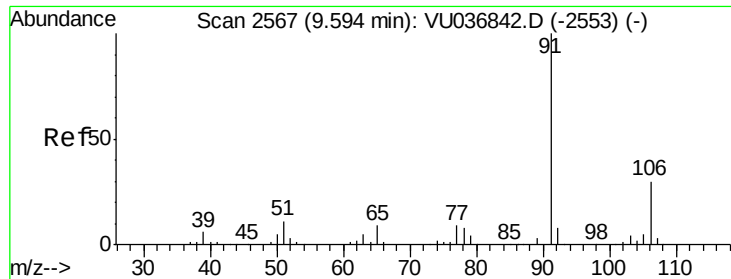


#42

Toluene
Concen: 0.920 ug/L
RT: 8.00 min Scan# 2070
Delta R.T. -0.00 min
Lab File: VU036852.D
Acq: 19 Feb 2020 17:16

Tgt Ion: 91 Resp: 38959
Ion Ratio Lower Upper
91 100
92 59.7 41.2 76.4





#52

Ethylbenzene

Concen: 32.812 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU036852.D

Acq: 19 Feb 2020 17:16

Instrument :

MSVOA_U

ClientSampleId :

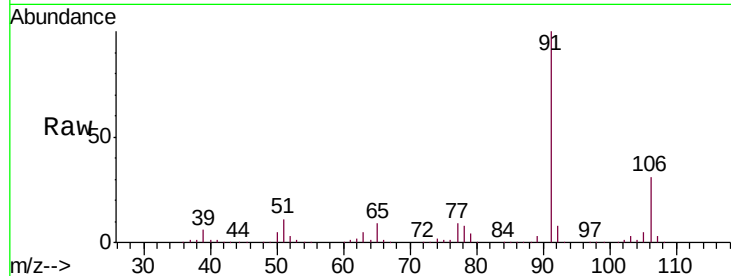
DBDJ9

Tgt Ion: 91 Resp: 1551681

Ion Ratio Lower Upper

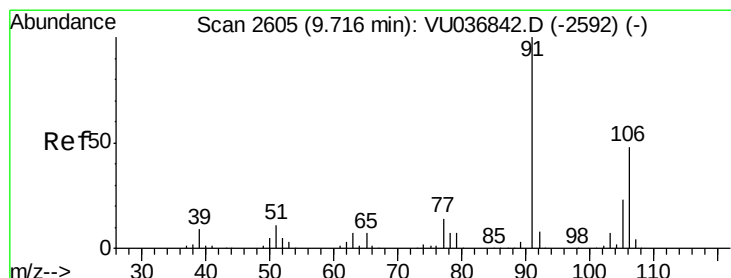
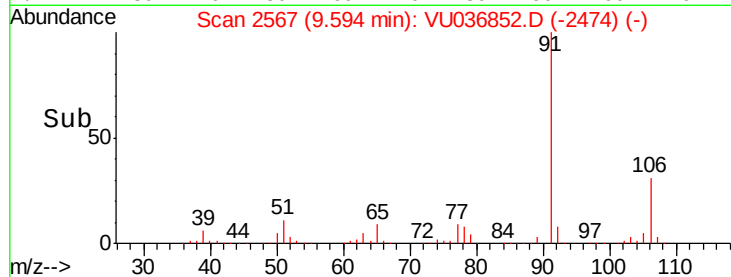
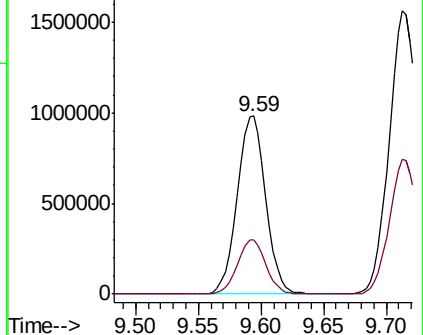
91 100

106 30.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036852.D (-2553) (-)

Ion 106.15 (105.85 to 106.85): VU036852.D (-2474) (-)



#53

m,p-Xylene

Concen: 69.562 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU036852.D

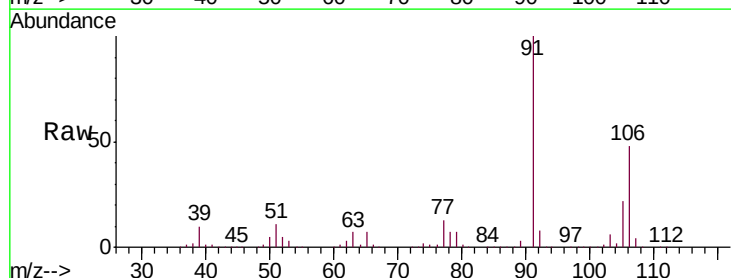
Acq: 19 Feb 2020 17:16

Tgt Ion: 106 Resp: 1210628

Ion Ratio Lower Upper

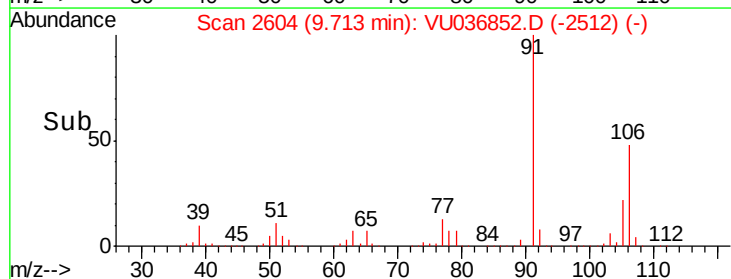
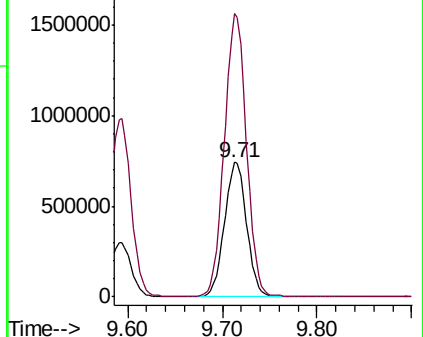
106 100

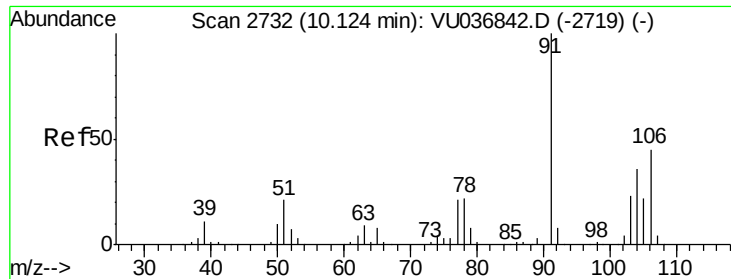
91 210.5 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036852.D (-2512) (-)

Ion 91.15 (90.85 to 91.85): VU036852.D (-2512) (-)

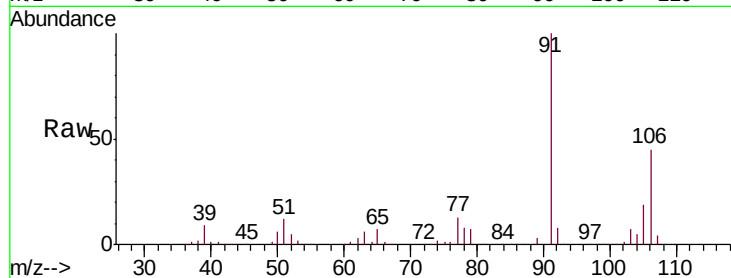




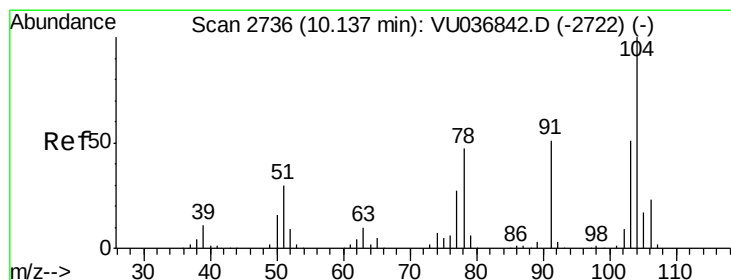
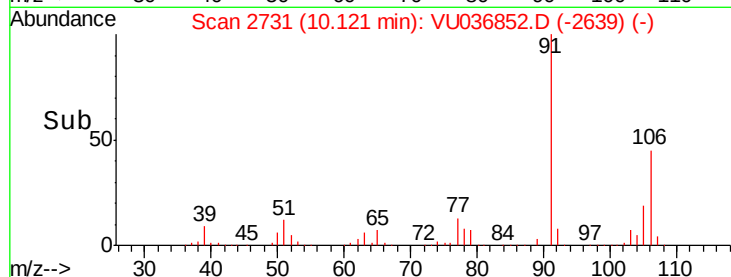
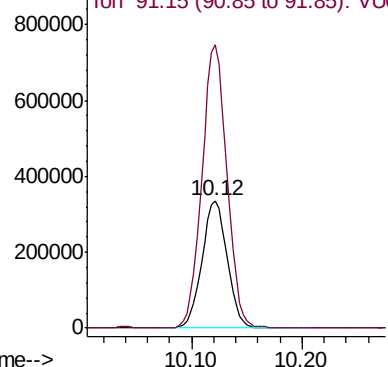
#54
o-Xylene
Concen: 31.116 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU036852.D
Acq: 19 Feb 2020 17:16

Instrument :
MSVOA_U
ClientSampleId :
DBDJ9

Tgt Ion:106 Resp: 531785
Ion Ratio Lower Upper
106 100
91 222.3 151.1 280.5

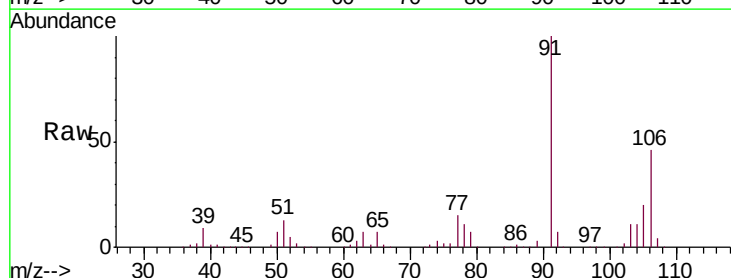


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

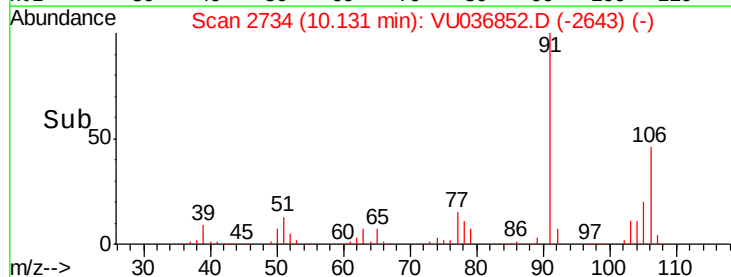
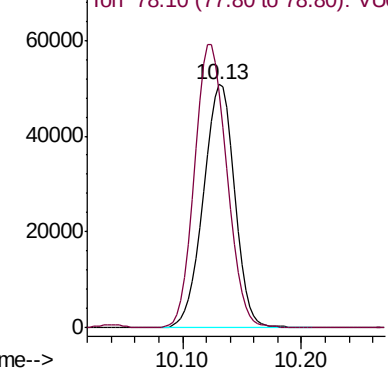


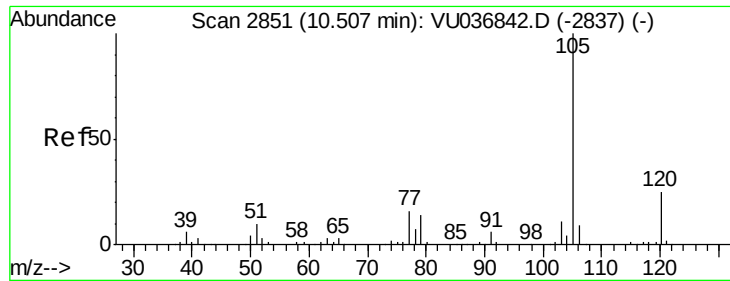
#55
Styrene
Concen: 3.227 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.01 min
Lab File: VU036852.D
Acq: 19 Feb 2020 17:16

Tgt Ion:104 Resp: 92976
Ion Ratio Lower Upper
104 100
78 96.8 33.5 62.3#



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.352 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036852.D

Acq: 19 Feb 2020 17:16

Instrument :

MSVOA_U

ClientSampleId :

DBDJ9

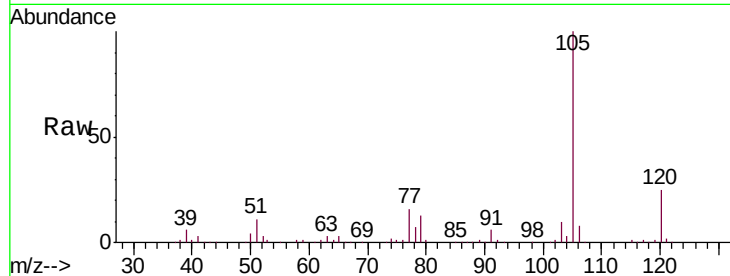
Tgt Ion: 105 Resp: 199061

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

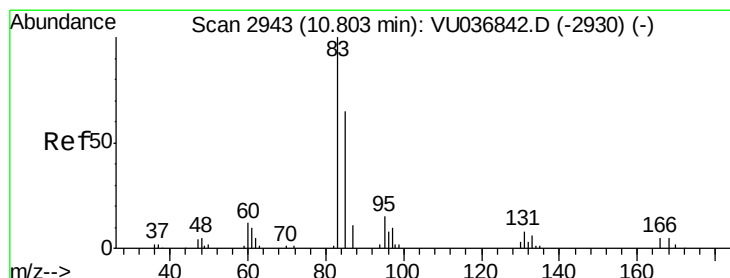
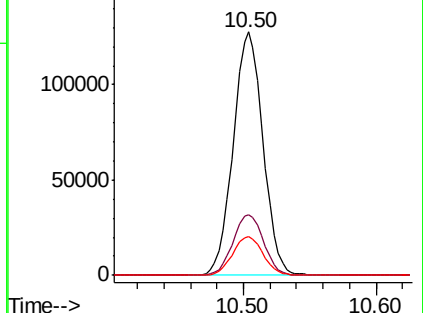
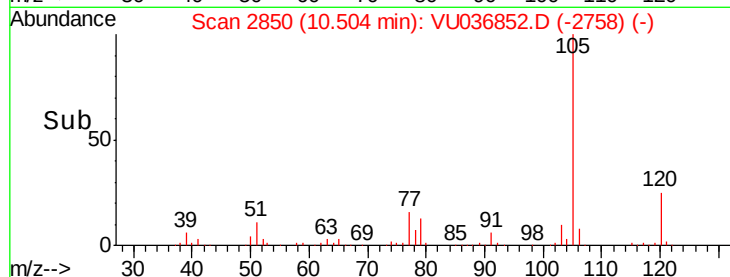
77 16.7 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.271 ug/L

RT: 10.77 min Scan# 2933

Delta R.T. -0.03 min

Lab File: VU036852.D

Acq: 19 Feb 2020 17:16

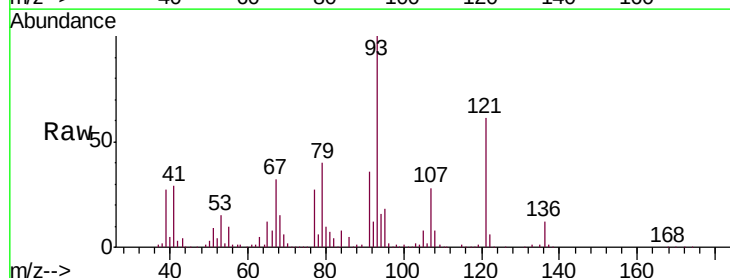
Tgt Ion: 83 Resp: 2661

Ion Ratio Lower Upper

83 100

85 0.0 45.6 84.6#

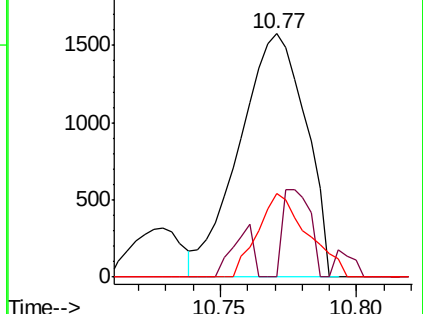
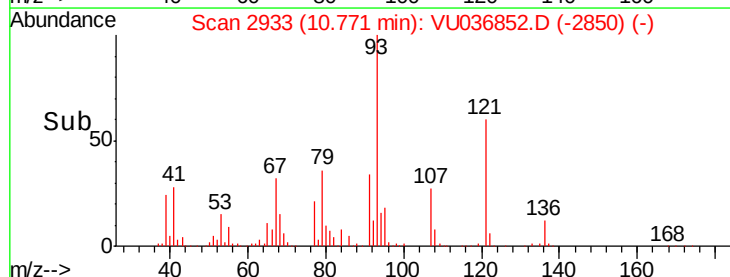
131 34.2 6.8 10.2#

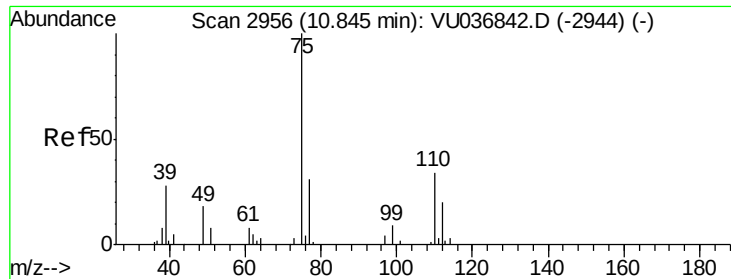


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 2.286 ug/L

RT: 11.01 min Scan# 3009

Delta R.T. 0.17 min

Lab File: VU036852.D

Acq: 19 Feb 2020 17:16

Instrument :

MSVOA_U

ClientSampleId :

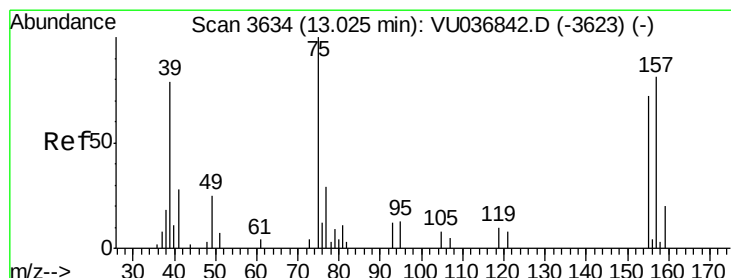
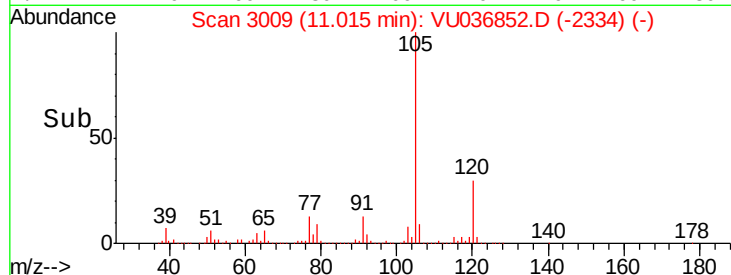
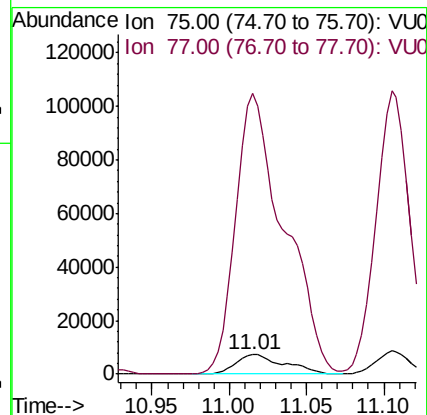
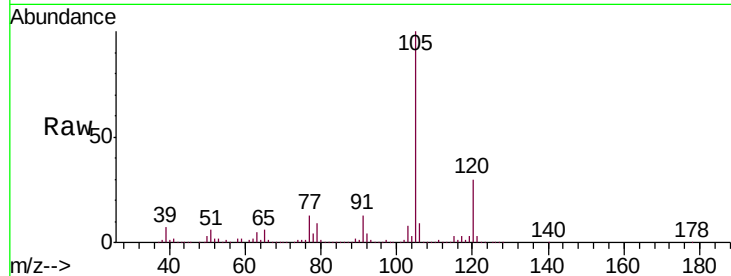
DBDJ9

Tgt Ion: 75 Resp: 16245

Ion Ratio Lower Upper

75 100

77 1406.0 25.6 38.4#



#66

1,2-Dibromo-3-chloropropane

Concen: 65.692 ug/L

RT: 13.06 min Scan# 3644

Delta R.T. 0.03 min

Lab File: VU036852.D

Acq: 19 Feb 2020 17:16

Tgt Ion: 75 Resp: 101768

Ion Ratio Lower Upper

75 100

155 0.0 52.9 79.3#

157 0.0 69.2 103.8#

