

Data File : VU036849.D
Acq On : 19 Feb 2020 15:12
Operator : JC/MD
Sample : L1580-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBDJ6

Quant Time: Feb 20 04:49:38 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	117809	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	112889	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	55476	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	45343	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.93	69	41273	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.59	63	58580	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.67	46	101089	47.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.16%
24) Chloroform-d	5.11	84	71224	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.74	65	40724	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.76	84	159651	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.73	67	50992	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.92	98	142033	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	8.20	79	17145	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	8.66	63	88577	45.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.62%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	39649	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	49421	4.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.20%

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	743	0.092 ug/L #	76
8) Chloroethane	2.07	64	777	0.118 ug/L #	55
12) 1,1-Dichloroethene	2.60	96	585	0.082 ug/L #	1
13) Acetone	2.66	43	6724	2.475 ug/L	99
14) Carbon disulfide	2.82	76	1441	0.083 ug/L #	87
37) 1,2-Dichloropropane	6.73	63	5403	0.568 ug/L #	89
39) cis-1,3-Dichloropropene	7.59	75	1212	0.088 ug/L #	55
42) Toluene	8.00	91	16639	0.445 ug/L	96
52) Ethylbenzene	9.59	91	343967	8.235 ug/L	98
53) m,p-Xylene	9.71	106	286808	18.659 ug/L	93
54) o-Xylene	10.12	106	107135	7.098 ug/L	98
55) Styrene	10.13	104	28657	1.126 ug/L #	72
56) Isopropylbenzene	10.50	105	131121	3.246 ug/L	99
59) 1,2,3-Trichloropropane	11.01	75	11020	1.756 ug/L #	1
66) 1,2-Dibromo-3-chloropropan	13.00	75	2308	1.678 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

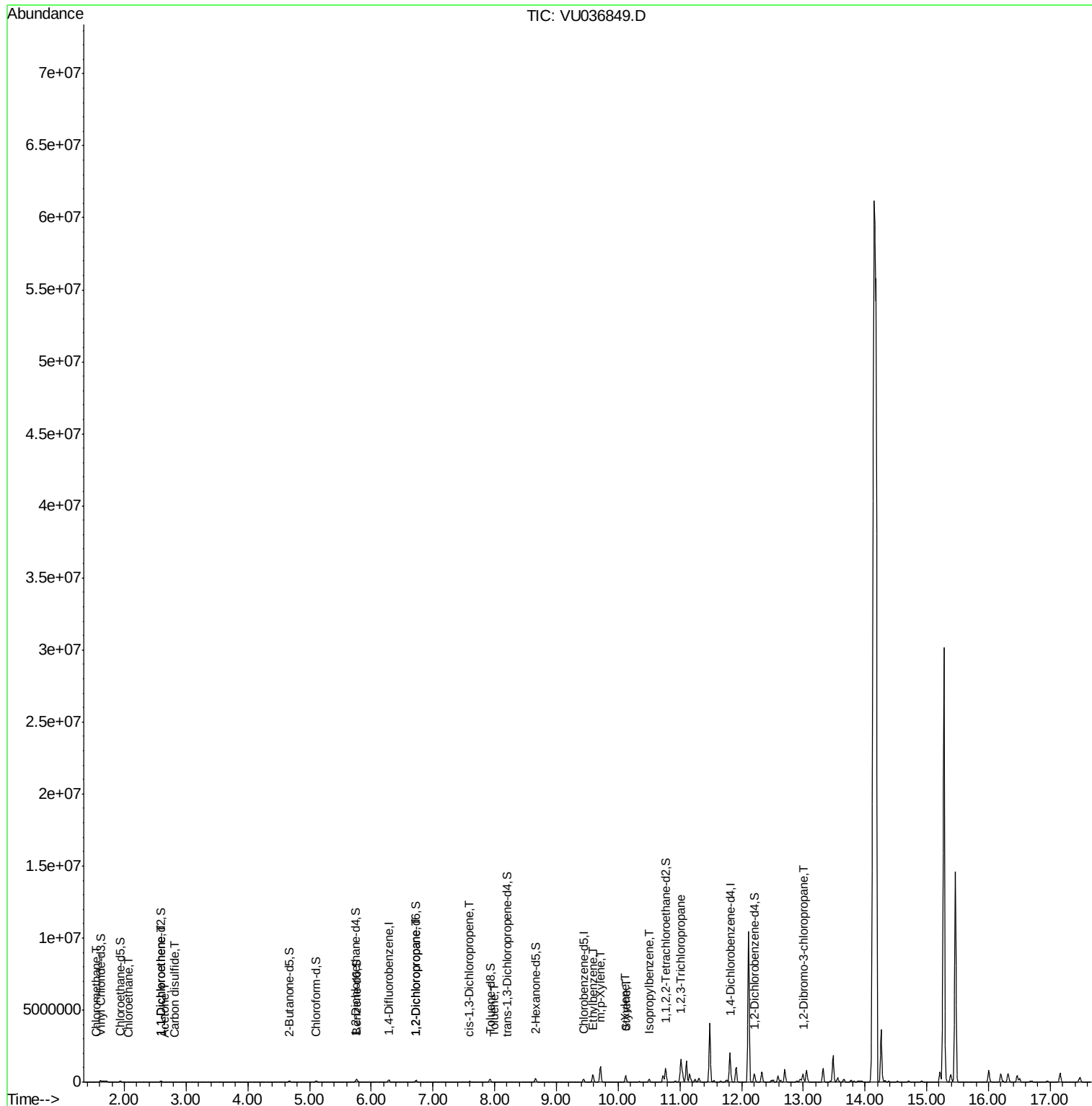
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

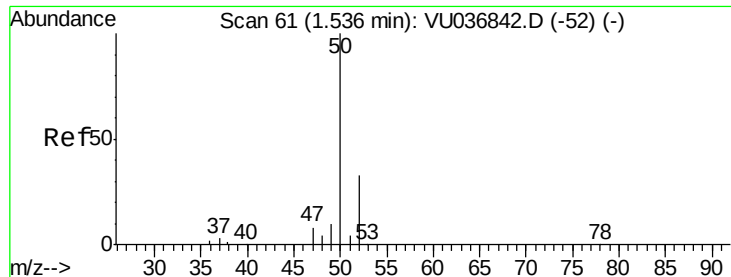
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.092 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036849.D

Acq: 19 Feb 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

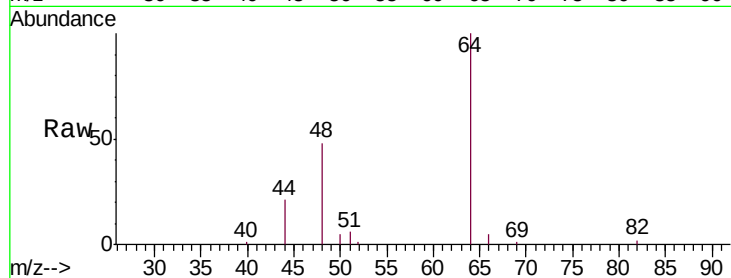
DBDJ6

Tgt Ion: 50 Resp: 743

Ion Ratio Lower Upper

50 100

52 20.4 23.8 44.2#



Abundance Ion 50.05 (49.75 to 50.75): VU036842.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036842.D (-52) (-)

1.54

500

400

300

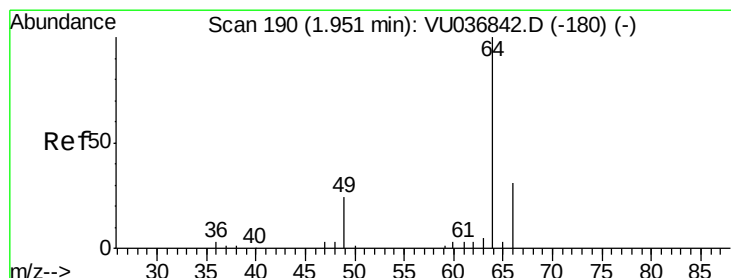
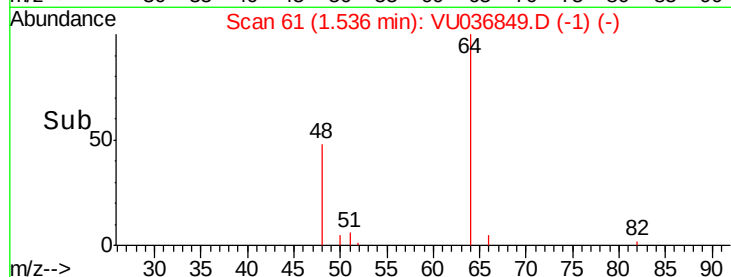
200

100

0

1.50 1.52 1.54 1.56

Time-->



#8

Chloroethane

Concen: 0.118 ug/L

RT: 2.07 min Scan# 227

Delta R.T. 0.12 min

Lab File: VU036849.D

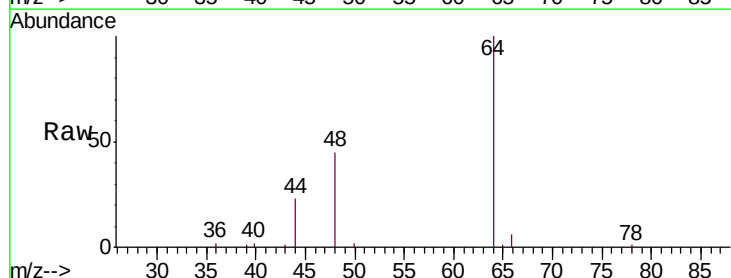
Acq: 19 Feb 2020 15:12

Tgt Ion: 64 Resp: 777

Ion Ratio Lower Upper

64 100

66 6.1 21.8 40.6#



Abundance Ion 64.10 (63.80 to 64.80): VU036842.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU036842.D (-180) (-)

2.07

8000

6000

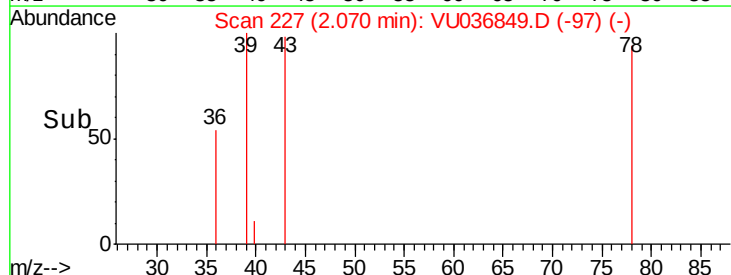
4000

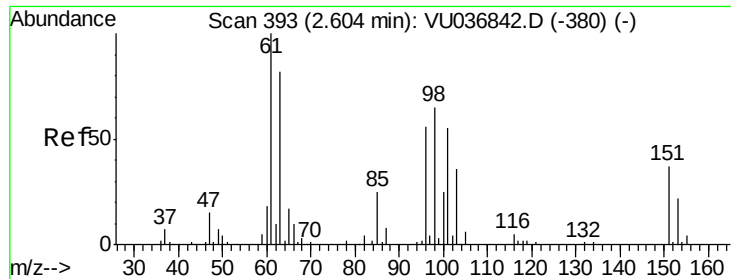
2000

0

2.04 2.06 2.08

Time-->

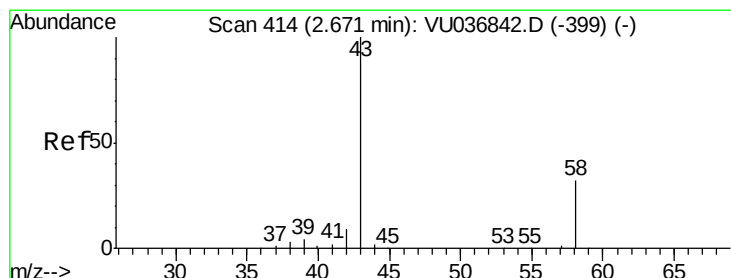
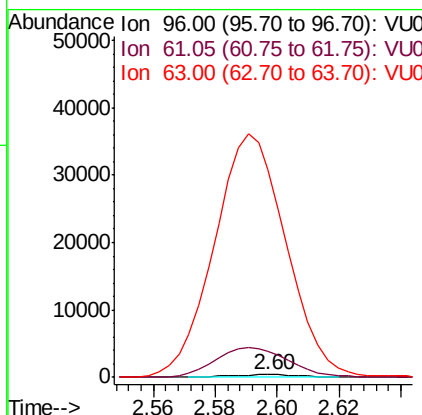
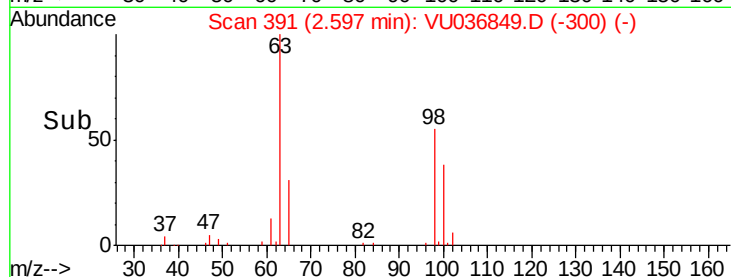
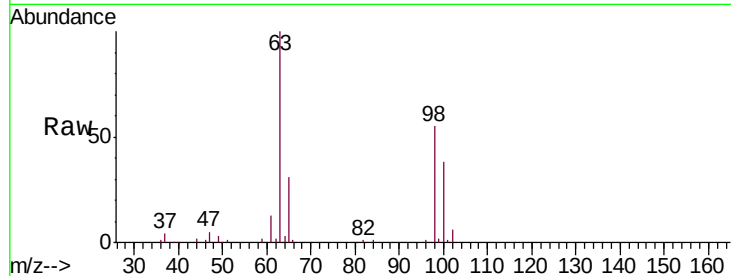




#12
 1,1-Dichloroethene
 Concen: 0.082 ug/L
 RT: 2.60 min Scan# 391
 Delta R.T. -0.01 min
 Lab File: VU036849.D
 Acq: 19 Feb 2020 15:12

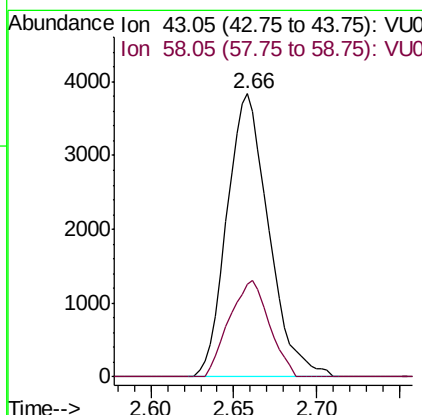
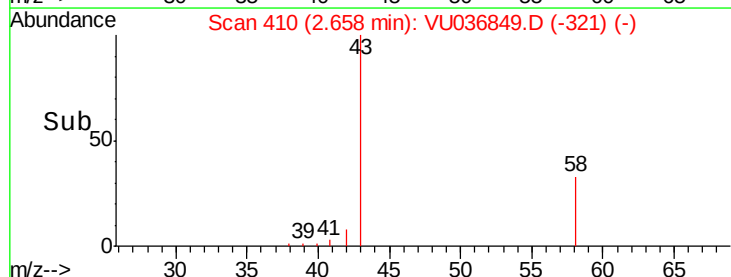
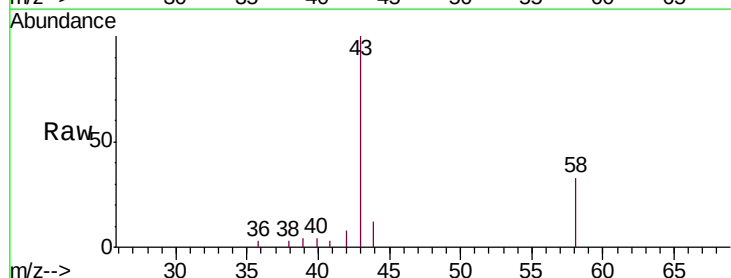
Instrument :
 MSVOA_U
 ClientSampleId :
 DBDJ6

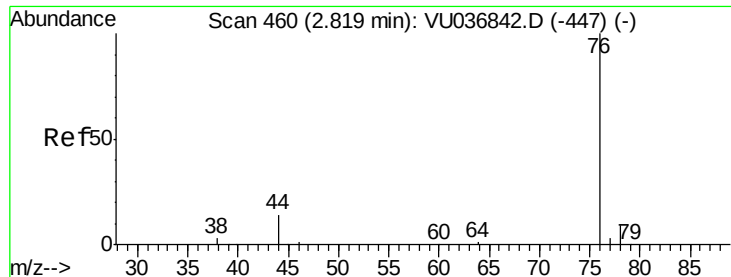
Tgt Ion: 96 Resp: 585
 Ion Ratio Lower Upper
 96 100
 61 995.4 126.4 234.8#
 63 7861.2 89.5 166.3#



#13
 Acetone
 Concen: 2.475 ug/L
 RT: 2.66 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: VU036849.D
 Acq: 19 Feb 2020 15:12

Tgt Ion: 43 Resp: 6724
 Ion Ratio Lower Upper
 43 100
 58 32.6 0.0 64.2





#14

Carbon disulfide

Concen: 0.083 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036849.D

Acq: 19 Feb 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

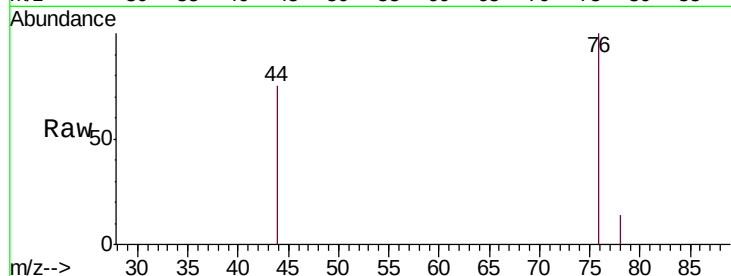
DBDJ6

Tgt Ion: 76 Resp: 1441

Ion Ratio Lower Upper

76 100

78 13.8 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU036842.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036849.D (-367) (-)

2.82

800

600

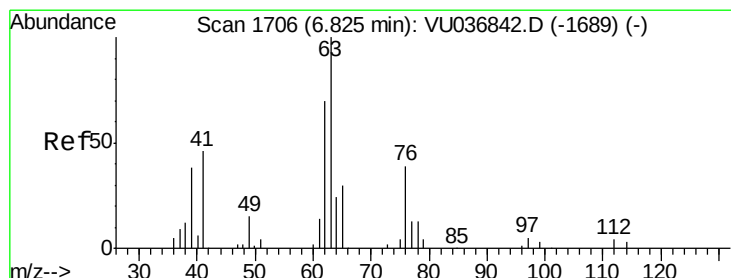
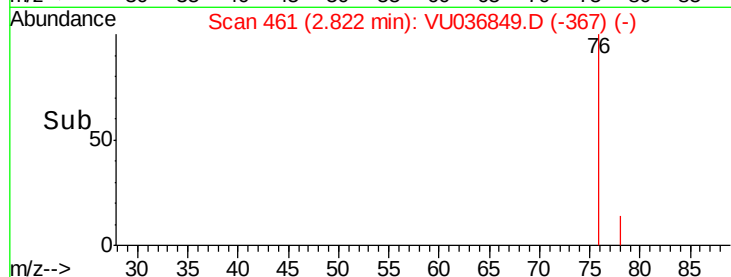
400

200

0

2.80 2.85

Time-->



#37

1,2-Dichloropropane

Concen: 0.568 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.10 min

Lab File: VU036849.D

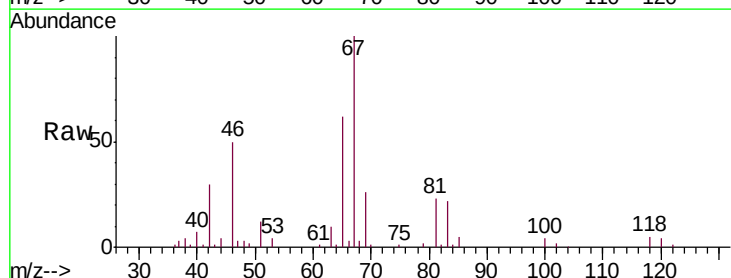
Acq: 19 Feb 2020 15:12

Tgt Ion: 63 Resp: 5403

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU036842.D (-1689) (-)

Ion 112.10 (111.80 to 112.80): VU036849.D (-1613) (-)

6.73

3000

2500

2000

1500

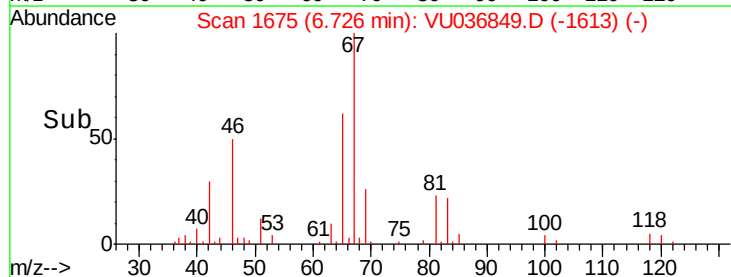
1000

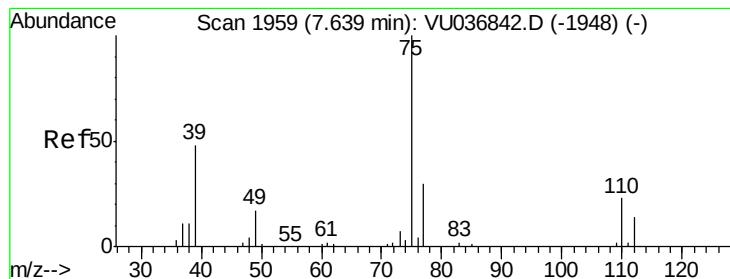
500

0

6.65 6.70 6.75

Time-->





#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.05 min

Lab File: VU036849.D

Acq: 19 Feb 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

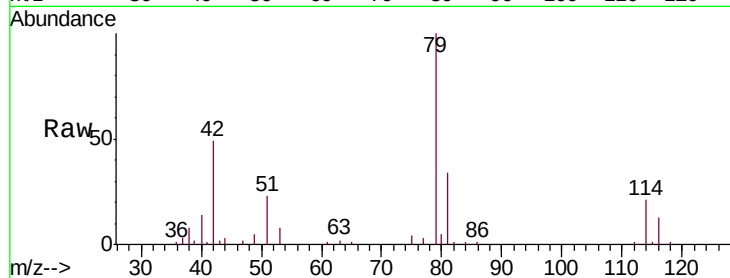
DBDJ6

Tgt Ion: 75 Resp: 1212

Ion Ratio Lower Upper

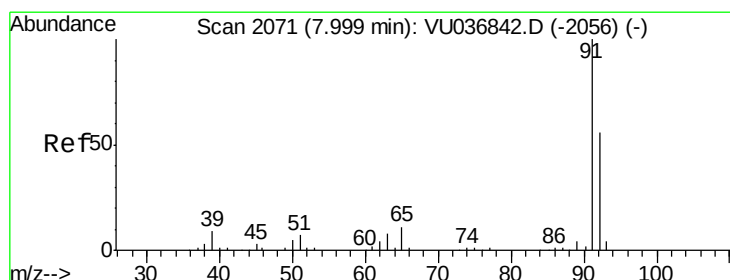
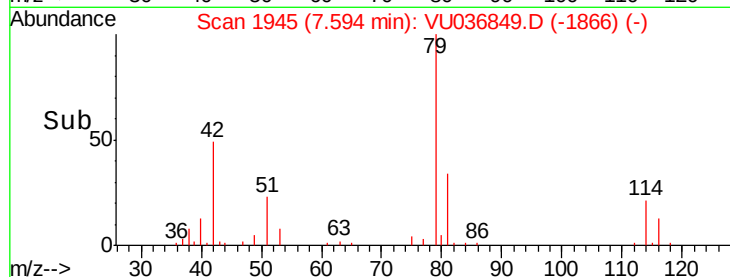
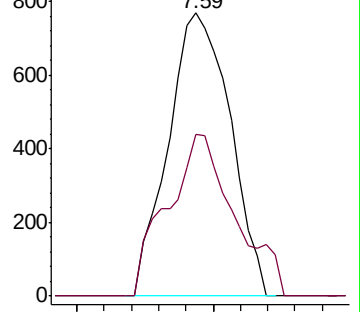
75 100

77 57.3 22.5 41.9#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#42

Toluene

Concen: 0.445 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036849.D

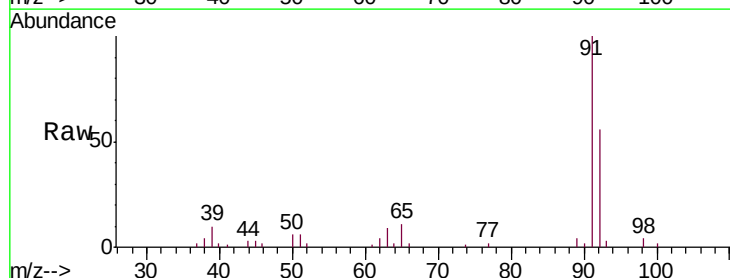
Acq: 19 Feb 2020 15:12

Tgt Ion: 91 Resp: 16639

Ion Ratio Lower Upper

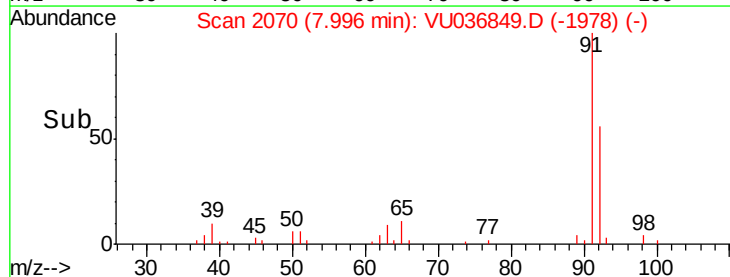
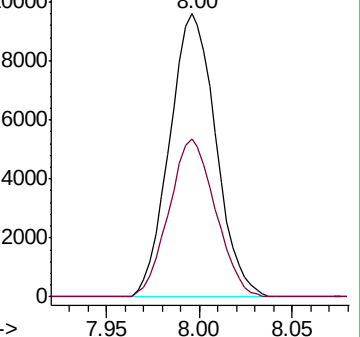
91 100

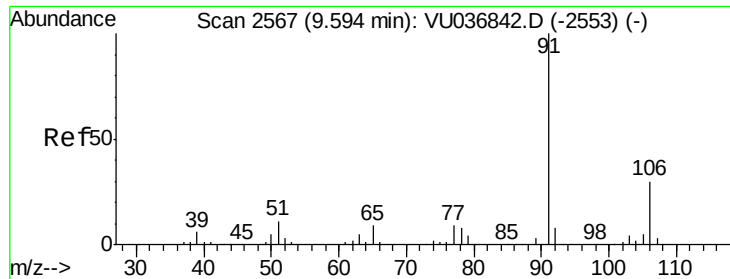
92 55.8 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#52

Ethylbenzene

Concen: 8.235 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU036849.D

Acq: 19 Feb 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

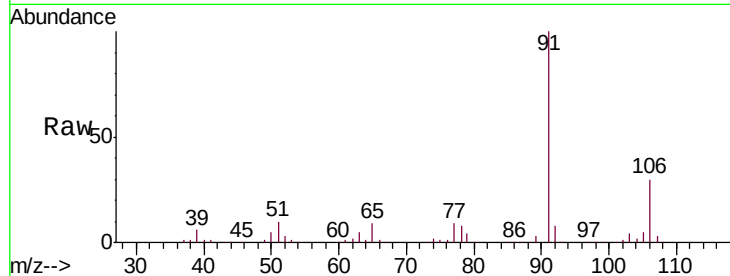
DBDJ6

Tgt Ion: 91 Resp: 343967

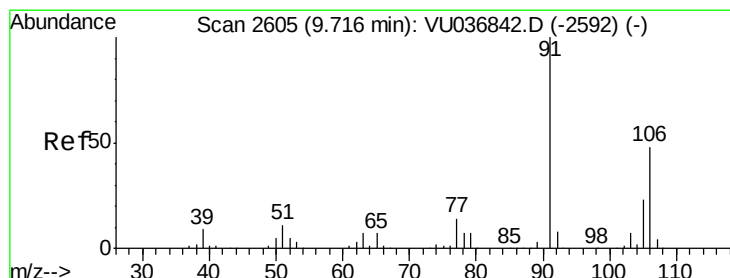
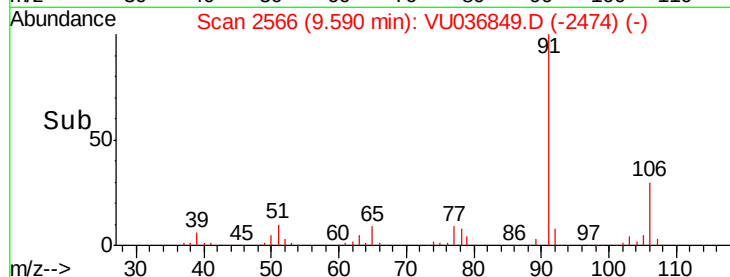
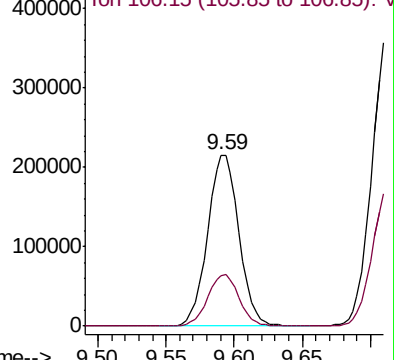
Ion Ratio Lower Upper

91 100

106 29.8 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036842.D (-2553) (-)



#53

m,p-Xylene

Concen: 18.659 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU036849.D

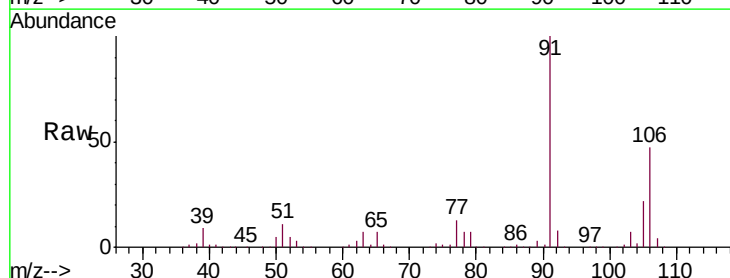
Acq: 19 Feb 2020 15:12

Tgt Ion: 106 Resp: 286808

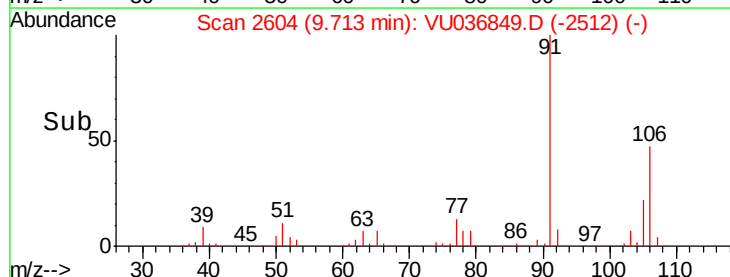
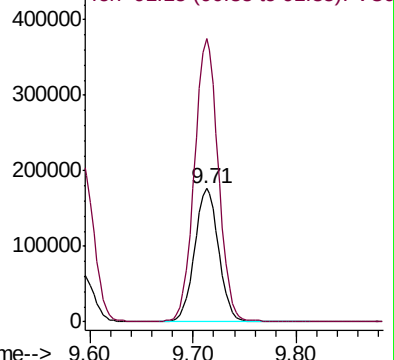
Ion Ratio Lower Upper

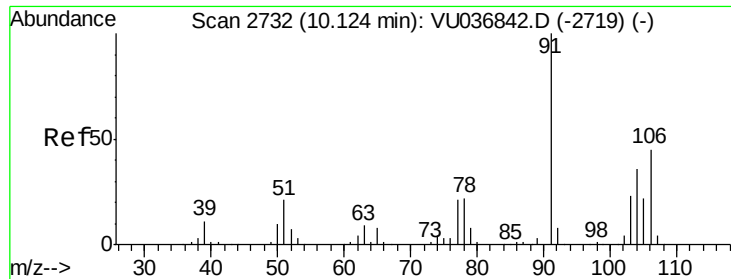
106 100

91 212.8 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036842.D (-2592) (-)

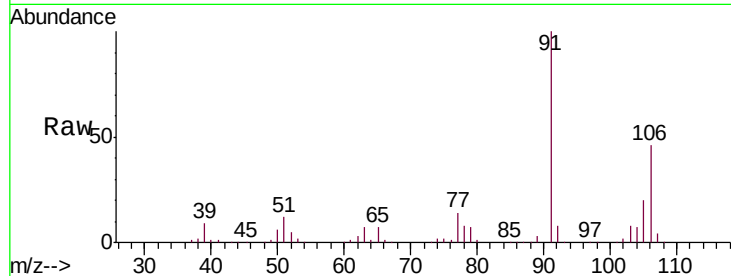




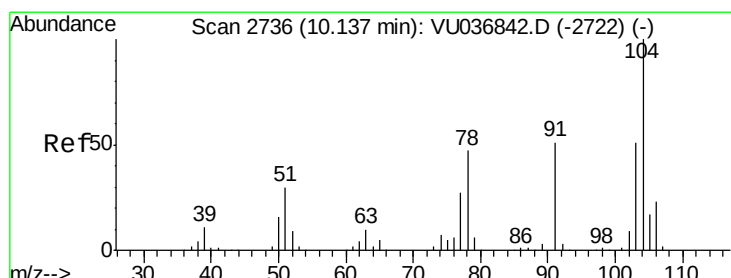
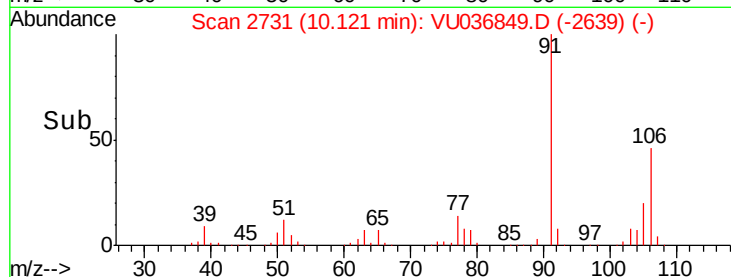
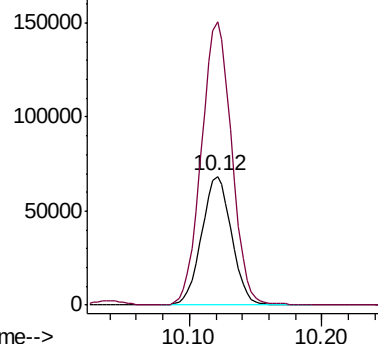
#54
o-Xylene
Concen: 7.098 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU036849.D
Acq: 19 Feb 2020 15:12

Instrument :
MSVOA_U
ClientSampleId :
DBDJ6

Tgt Ion:106 Resp: 107135
Ion Ratio Lower Upper
106 100
91 219.7 151.1 280.5

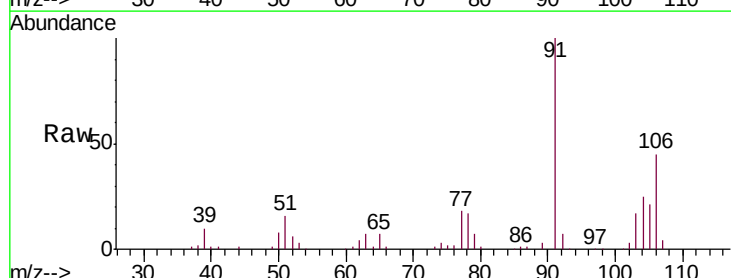


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

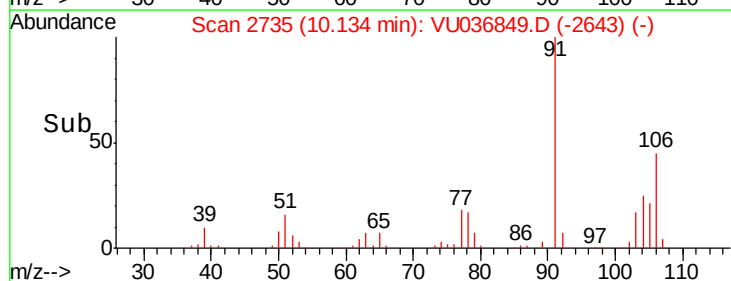
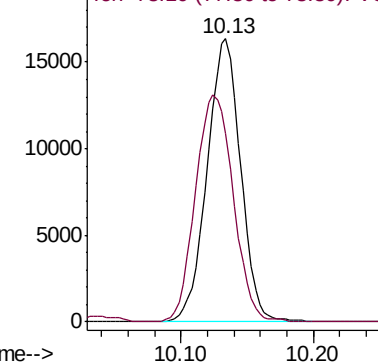


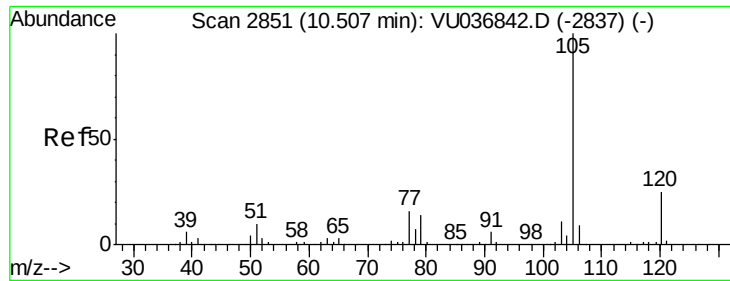
#55
Styrene
Concen: 1.126 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU036849.D
Acq: 19 Feb 2020 15:12

Tgt Ion:104 Resp: 28657
Ion Ratio Lower Upper
104 100
78 66.5 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: 3.246 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036849.D

Acq: 19 Feb 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

DBDJ6

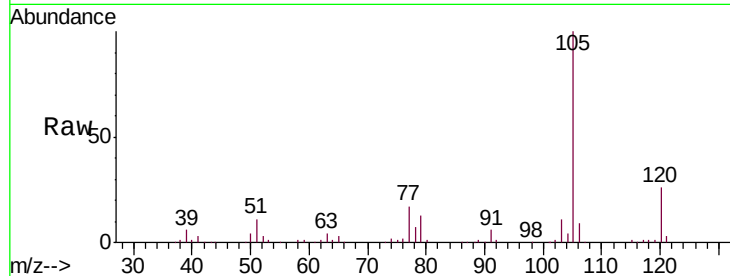
Tgt Ion: 105 Resp: 131121

Ion Ratio Lower Upper

105 100

120 25.7 20.5 30.7

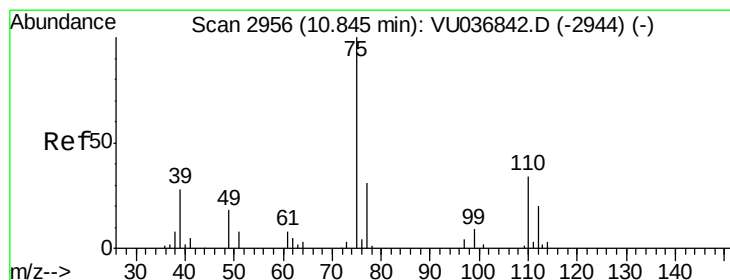
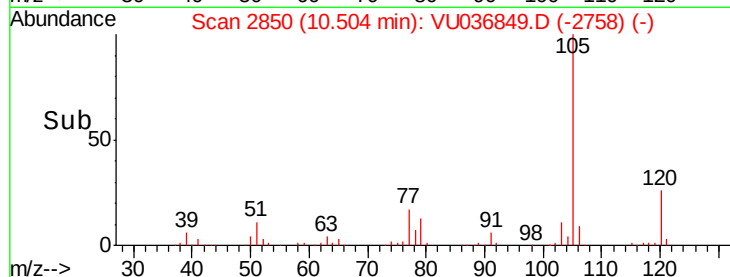
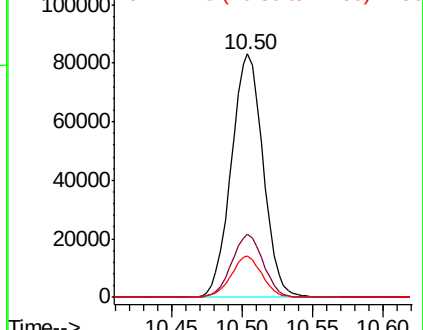
77 16.7 13.0 19.6



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



#59

1,2,3-Trichloropropane

Concen: 1.756 ug/L

RT: 11.01 min Scan# 3009

Delta R.T. 0.17 min

Lab File: VU036849.D

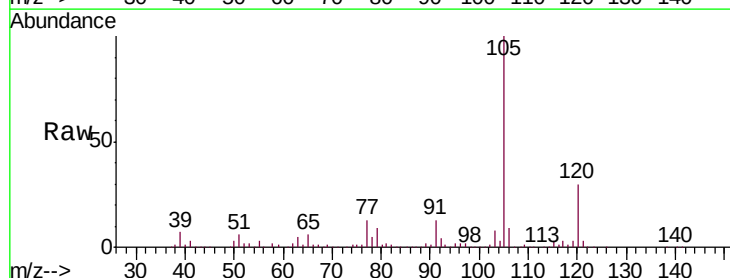
Acq: 19 Feb 2020 15:12

Tgt Ion: 75 Resp: 11020

Ion Ratio Lower Upper

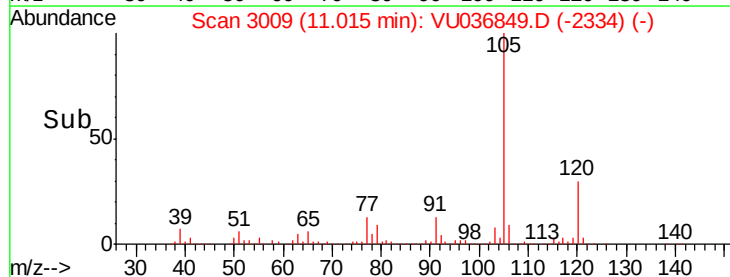
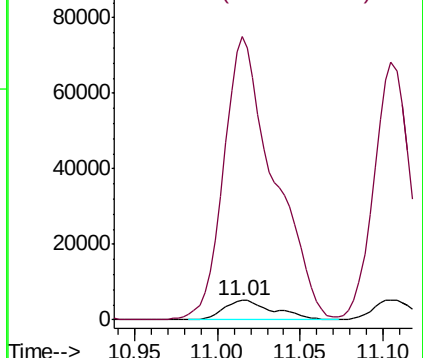
75 100

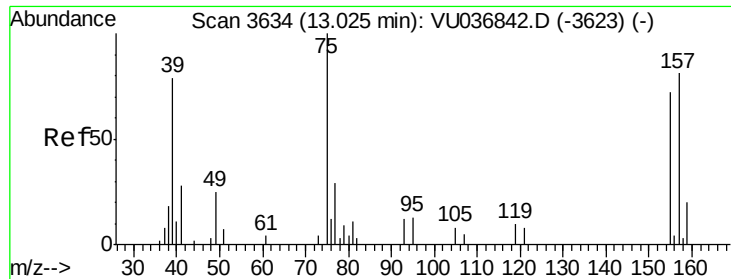
77 1441.7 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 1.678 ug/L

RT: 13.00 min Scan# 3626

Delta R.T. -0.03 min

Lab File: VU036849.D

Acq: 19 Feb 2020 15:12

Instrument :

MSVOA_U

ClientSampleId :

DBDJ6

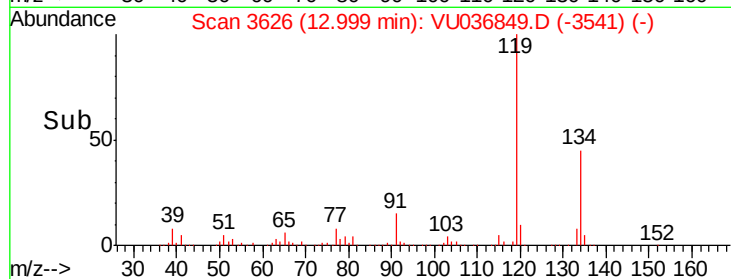
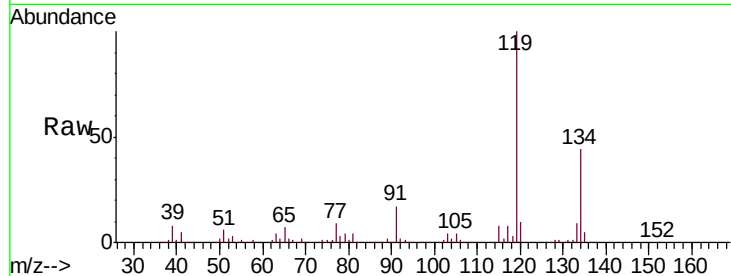
Tgt Ion: 75 Resp: 2308

Ion Ratio Lower Upper

75 100

155 0.0 52.9 79.3#

157 0.0 69.2 103.8#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

