

Data File : VU036768.D
Acq On : 13 Feb 2020 13:40
Operator : JC/MD
Sample : L1487-09DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBCT8DL

Quant Time: Feb 14 00:19:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 14 00:15:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	129183	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	119773	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	58385	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	46466	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.93	69	42500	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.59	63	65993	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.67	46	116471	49.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.98%
24) Chloroform-d	5.11	84	80213	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.74	65	47976	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.76	84	176930	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.73	67	57048	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.92	98	161554	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	8.21	79	20084	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.66	63	104275	50.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.66%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	43268	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	55324	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
13) Acetone	2.66	43	2856	0.959 ug/L	93
16) Methylene chloride	3.08	84	3066	0.231 ug/L	93
25) Chloroform	5.13	83	3923	0.216 ug/L	89
35) Methylcyclohexane	6.72	83	12654	0.847 ug/L #	20
37) 1,2-Dichloropropane	6.73	63	6066	0.601 ug/L #	89
39) cis-1,3-Dichloropropene	7.60	75	1376	0.094 ug/L #	59
42) Toluene	8.00	91	19374	0.488 ug/L	96
48) 2-Hexanone	8.66	43	11910	2.138 ug/L #	68
52) Ethylbenzene	9.59	91	127748	2.883 ug/L	100
53) m,p-Xylene	9.71	106	118273	7.252 ug/L	97
54) o-Xylene	10.12	106	50270	3.139 ug/L	92
55) Styrene	10.12	104	3457	0.128 ug/L #	1
56) Isopropylbenzene	10.50	105	13726	0.320 ug/L	100
59) 1,2,3-Trichloropropane	11.01	75	1475	0.221 ug/L #	1
66) 1,2-Dibromo-3-chloropropan	13.05	75	22074	15.253 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021320\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 14 00:15:45 2020
Response via : Initial Calibration

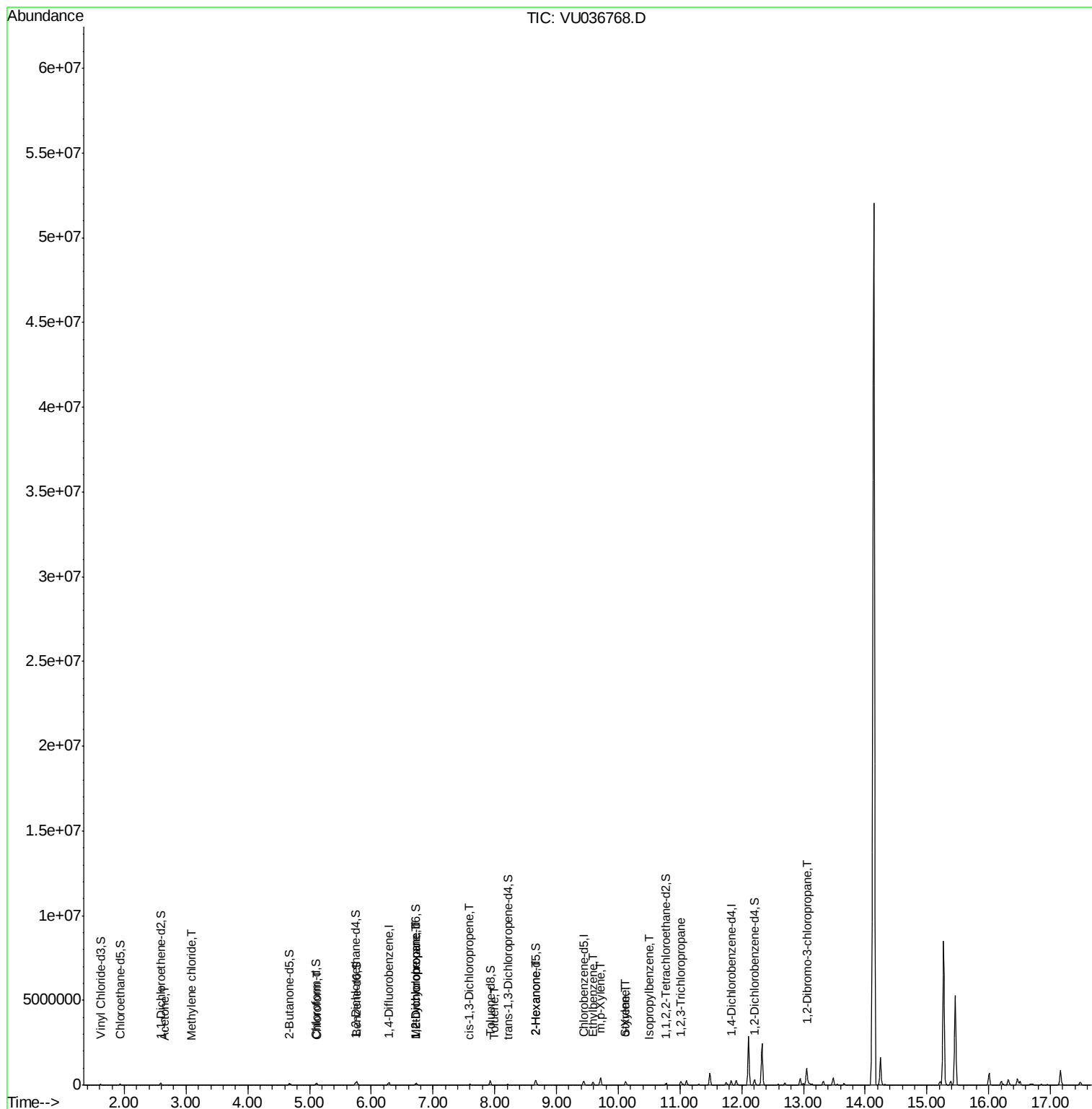
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

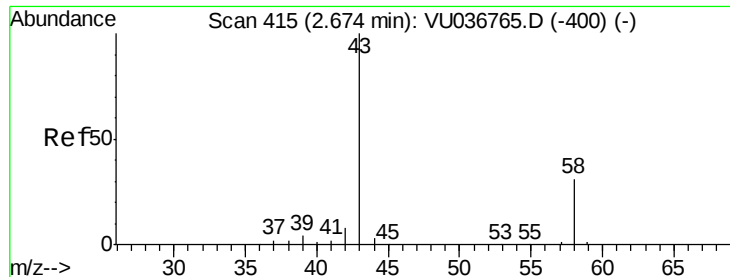
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#13

Acetone

Concen: 0.959 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU036768.D

Acq: 13 Feb 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

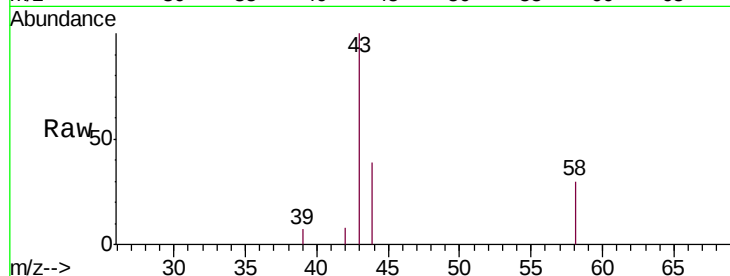
DBCT8DL

Tgt Ion: 43 Resp: 2856

Ion Ratio Lower Upper

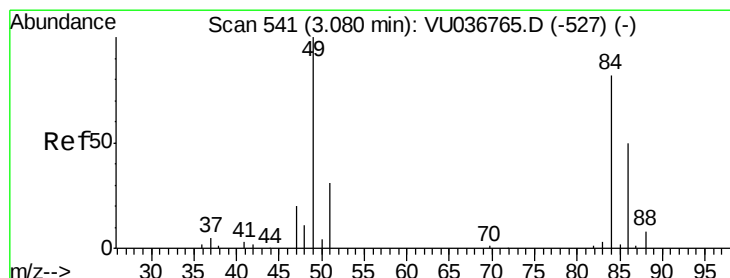
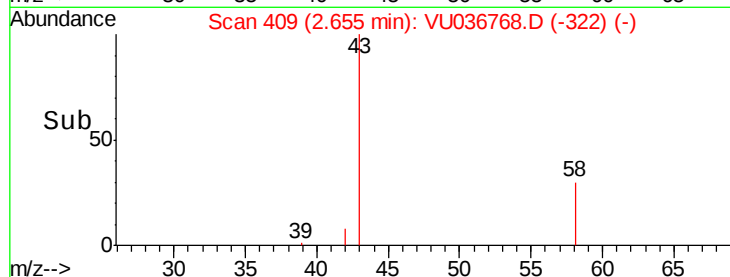
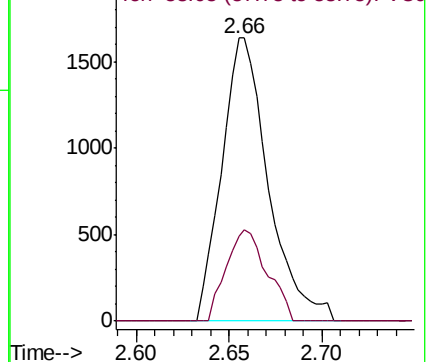
43 100

58 28.2 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036768.D (-322) (-)

Ion 58.05 (57.75 to 58.75): VU036768.D (-322) (-)



#16

Methylene chloride

Concen: 0.231 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036768.D

Acq: 13 Feb 2020 13:40

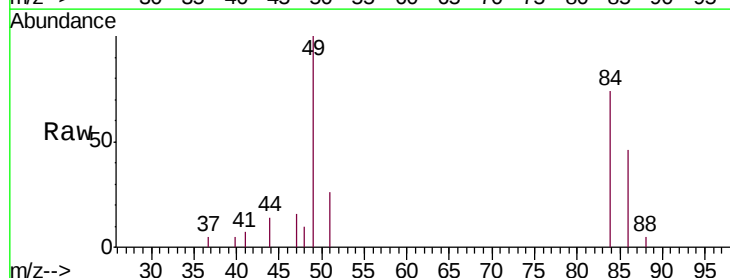
Tgt Ion: 84 Resp: 3066

Ion Ratio Lower Upper

84 100

86 62.0 44.7 82.9

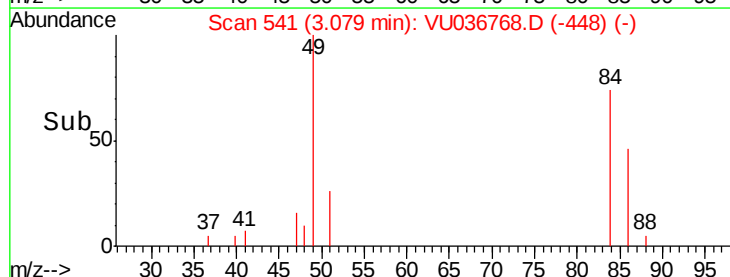
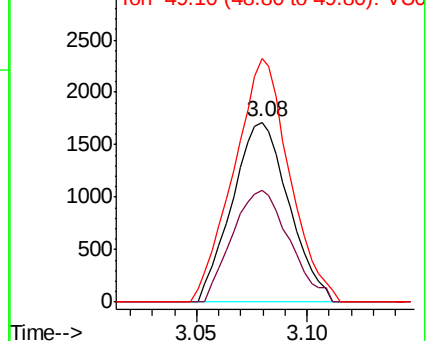
49 135.3 86.7 160.9

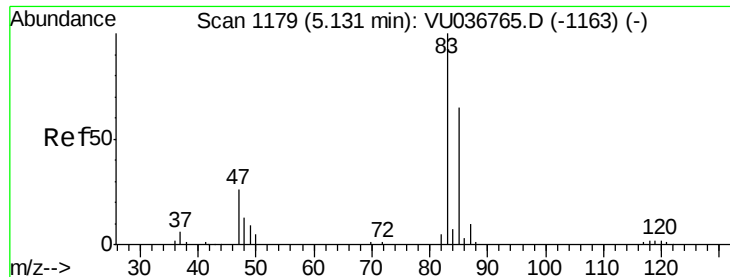


Abundance Ion 84.05 (83.75 to 84.75): VU036768.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU036768.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU036768.D (-448) (-)

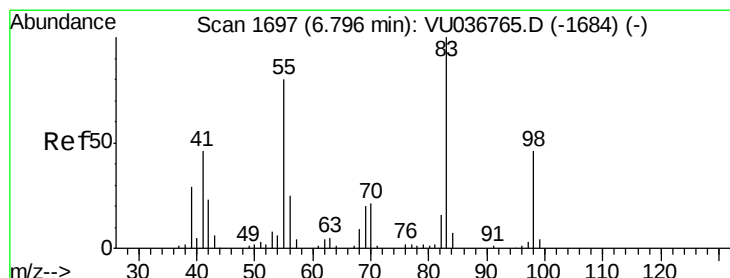
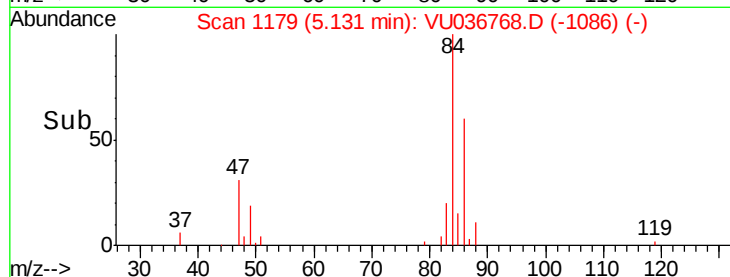
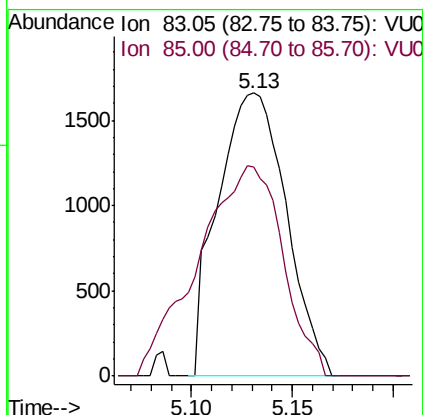
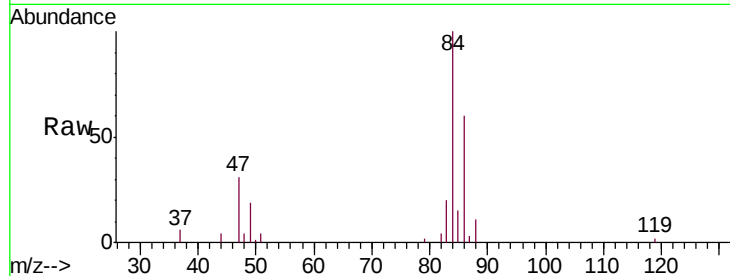




#25
Chloroform
Concen: 0.216 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036768.D
Acq: 13 Feb 2020 13:40

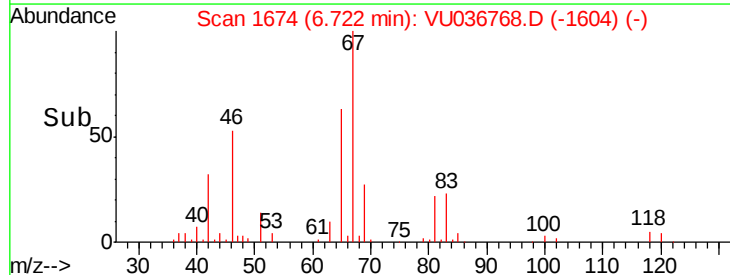
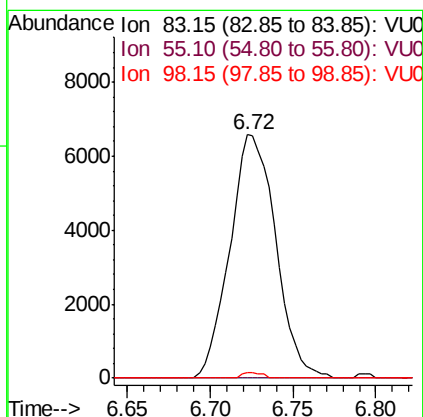
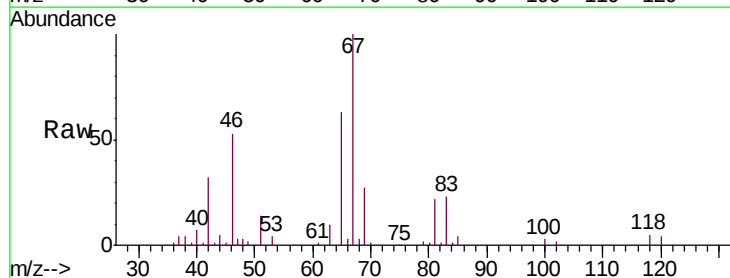
Instrument :
MSVOA_U
ClientSampleId :
DBCT8DL

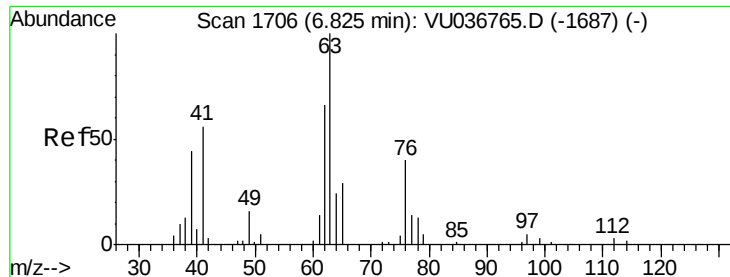
Tgt Ion: 83 Resp: 3923
Ion Ratio Lower Upper
83 100
85 73.7 45.4 84.2



#35
Methylcyclohexane
Concen: 0.847 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU036768.D
Acq: 13 Feb 2020 13:40

Tgt Ion: 83 Resp: 12654
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.4#
98 1.0 34.2 51.4#

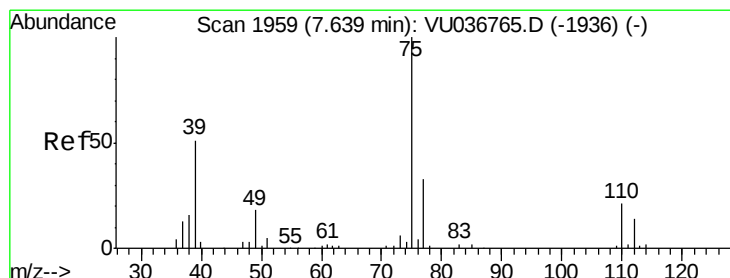
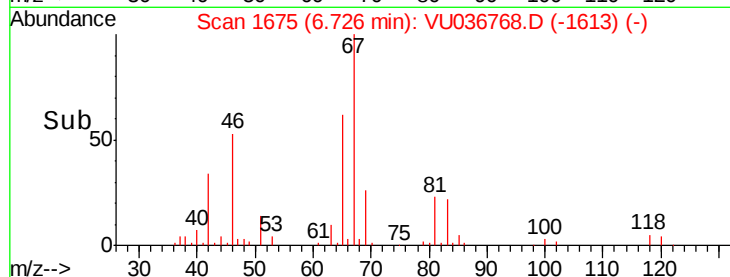
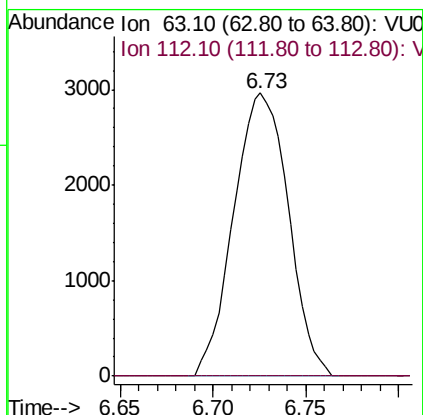
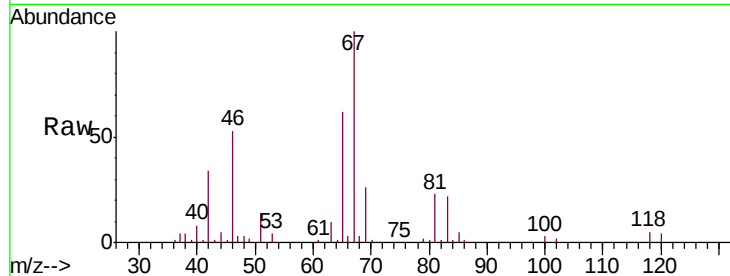




#37
 1,2-Dichloropropane
 Concen: 0.601 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU036768.D
 Acq: 13 Feb 2020 13:40

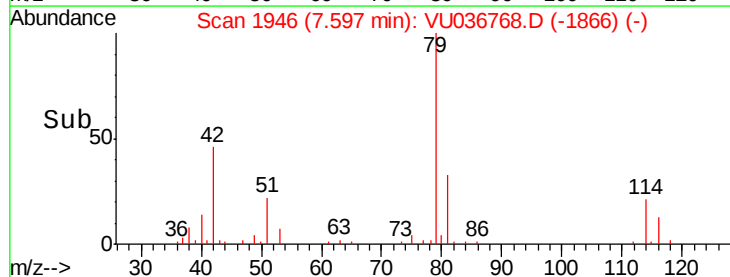
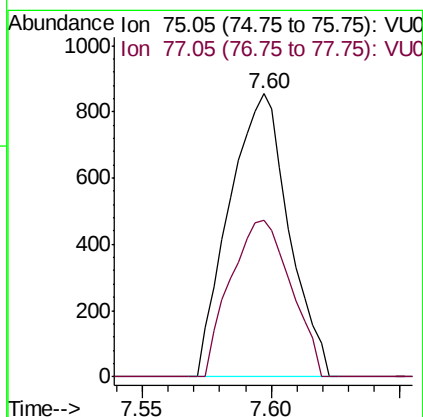
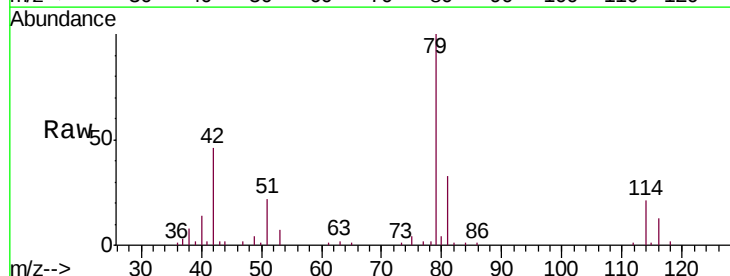
Instrument :
 MSVOA_U
 ClientSampleID :
 DBCT8DL

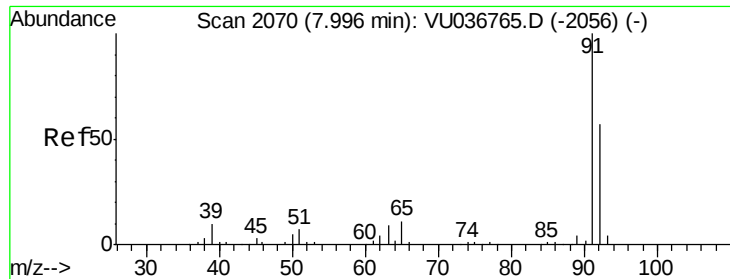
Tgt Ion: 63 Resp: 6066
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.60 min Scan# 1946
 Delta R.T. -0.04 min
 Lab File: VU036768.D
 Acq: 13 Feb 2020 13:40

Tgt Ion: 75 Resp: 1376
 Ion Ratio Lower Upper
 75 100
 77 55.2 22.5 41.9#





#42

Toluene

Concen: 0.488 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036768.D

Acq: 13 Feb 2020 13:40

Instrument :

MSVOA_U

ClientSampled :

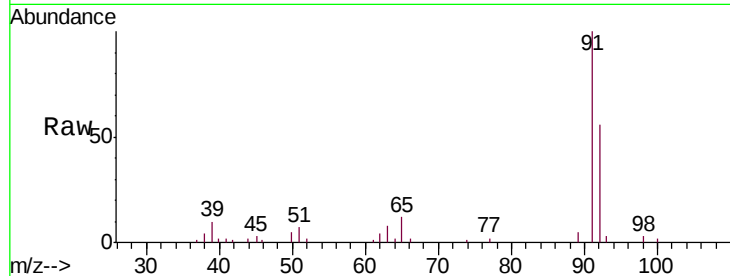
DBCT8DL

Tgt Ion: 91 Resp: 19374

Ion Ratio Lower Upper

91 100

92 55.8 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036765.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036765.D (-2056) (-)

8.00

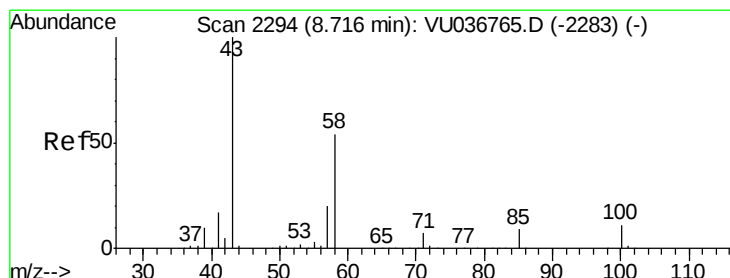
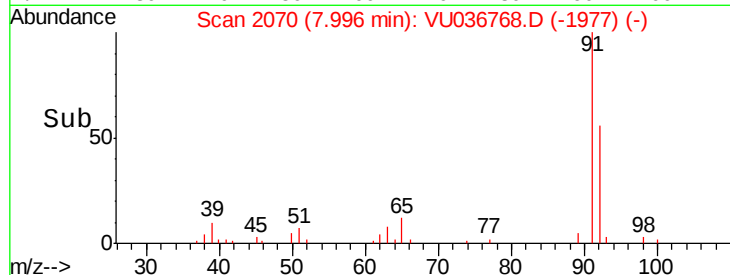
10000

5000

0

7.95 8.00 8.05

Time-->



#48

2-Hexanone

Concen: 2.138 ug/L

RT: 8.66 min Scan# 2277

Delta R.T. -0.05 min

Lab File: VU036768.D

Acq: 13 Feb 2020 13:40

Tgt Ion: 43 Resp: 11910

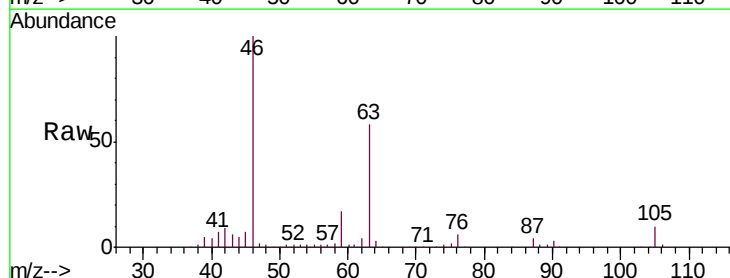
Ion Ratio Lower Upper

43 100

58 25.8 43.6 65.4#

57 24.2 15.0 22.4#

100 0.0 9.0 13.6#



Abundance Ion 43.05 (42.75 to 43.75): VU036765.D (-2283) (-)

Ion 58.05 (57.75 to 58.75): VU036765.D (-2283) (-)

Ion 57.20 (56.90 to 57.90): VU036765.D (-2283) (-)

Ion 100.15 (99.85 to 100.85): VU036765.D (-2283) (-)

8.66

10000

8000

6000

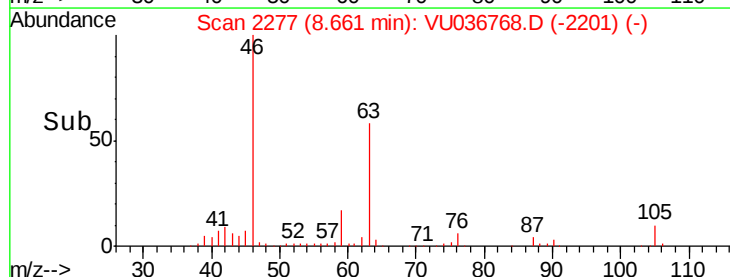
4000

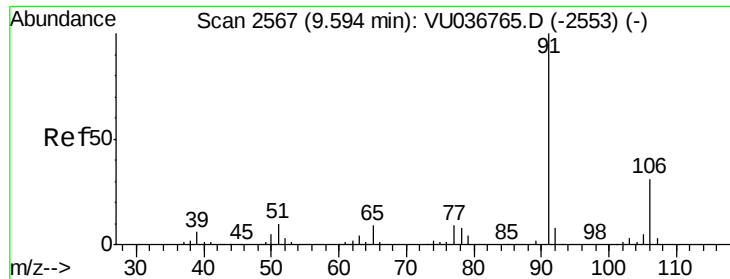
2000

0

8.60 8.65 8.70

Time-->





#52

Ethylbenzene

Concen: 2.883 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU036768.D

Acq: 13 Feb 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

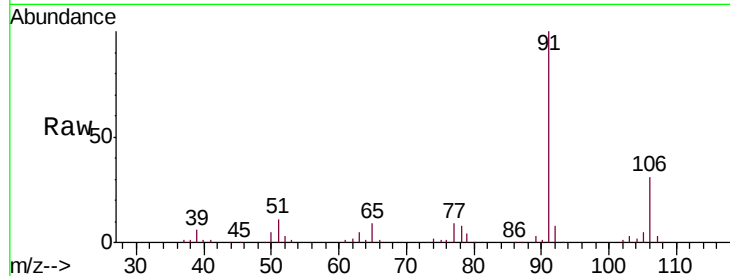
DBCT8DL

Tgt Ion: 91 Resp: 127748

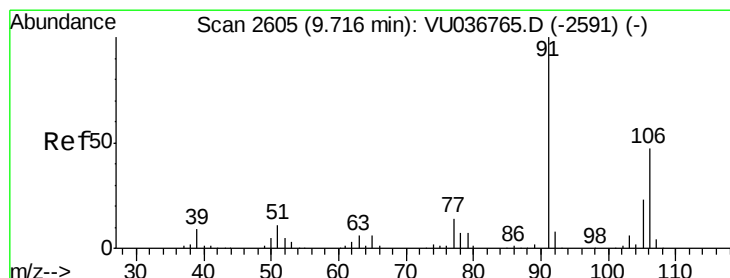
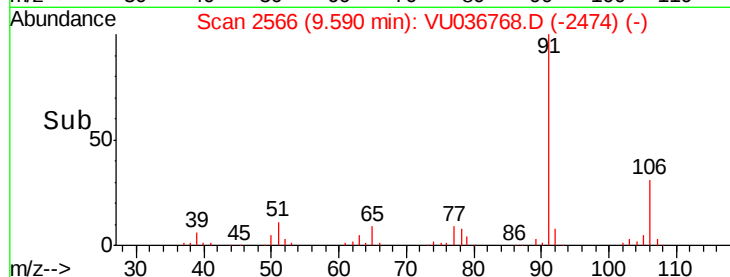
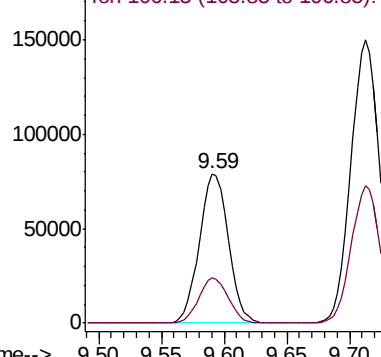
Ion Ratio Lower Upper

91 100

106 30.6 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036765.D (-2553) (-)



#53

m,p-Xylene

Concen: 7.252 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU036768.D

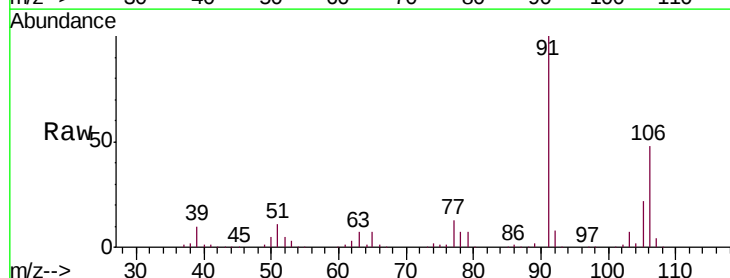
Acq: 13 Feb 2020 13:40

Tgt Ion: 106 Resp: 118273

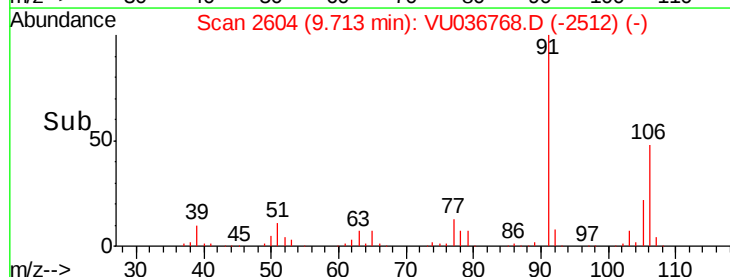
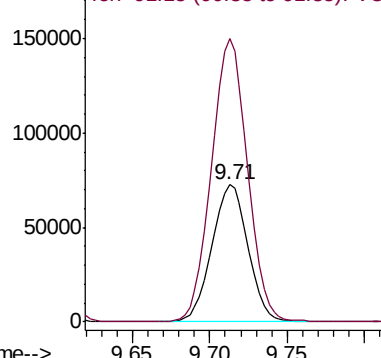
Ion Ratio Lower Upper

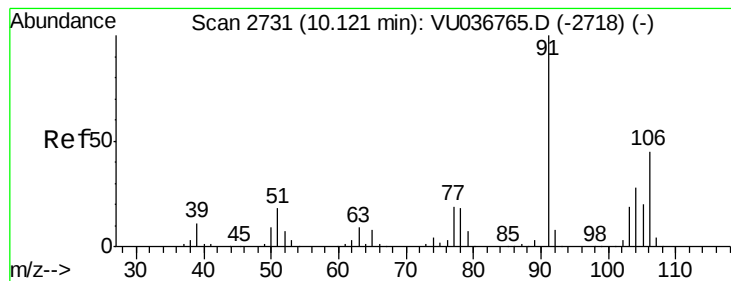
106 100

91 206.6 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036765.D (-2591) (-)





#54

o-Xylene

Concen: 3.139 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU036768.D

Acq: 13 Feb 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

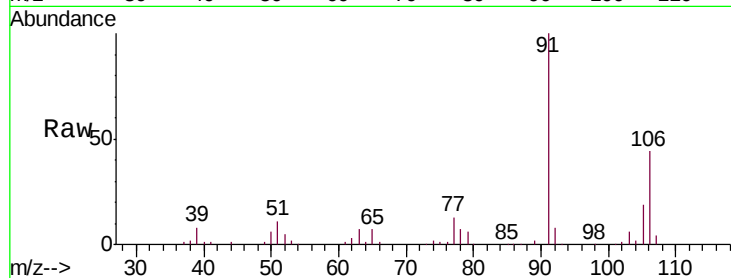
DBCT8DL

Tgt Ion:106 Resp: 50270

Ion Ratio Lower Upper

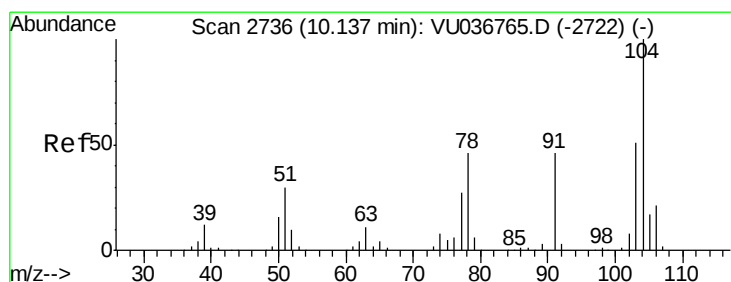
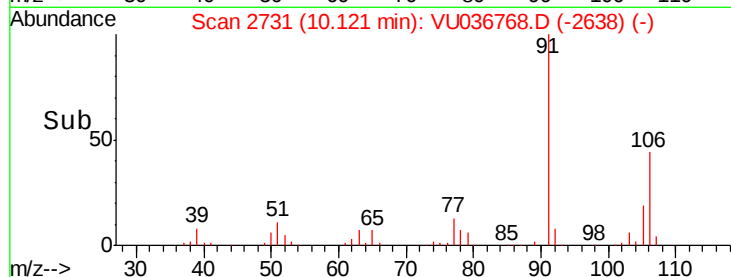
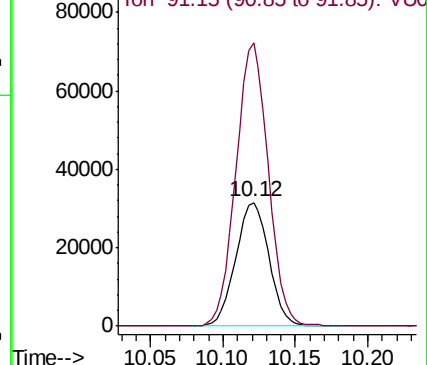
106 100

91 229.3 151.1 280.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.128 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. -0.02 min

Lab File: VU036768.D

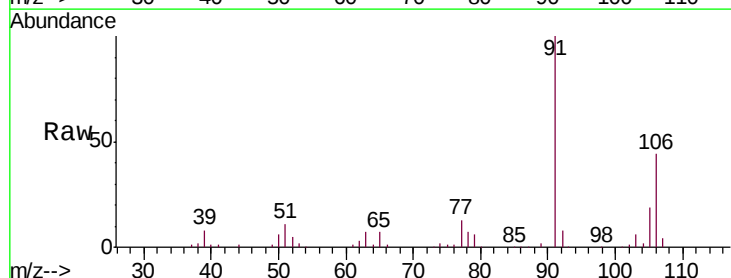
Acq: 13 Feb 2020 13:40

Tgt Ion:104 Resp: 3457

Ion Ratio Lower Upper

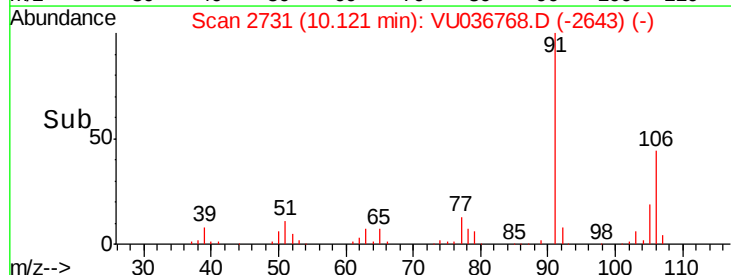
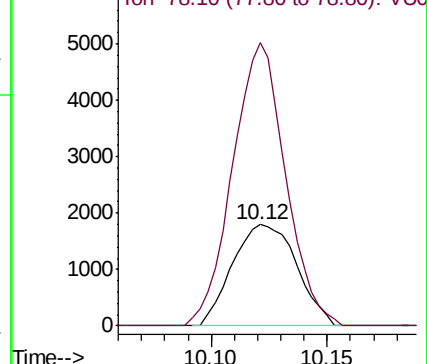
104 100

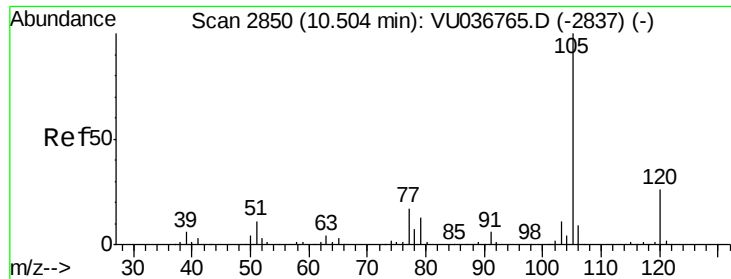
78 278.8 33.5 62.3#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.320 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036768.D

Acq: 13 Feb 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

DBCT8DL

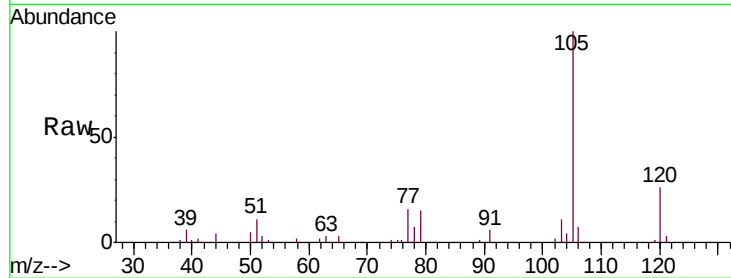
Tgt Ion: 105 Resp: 13726

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

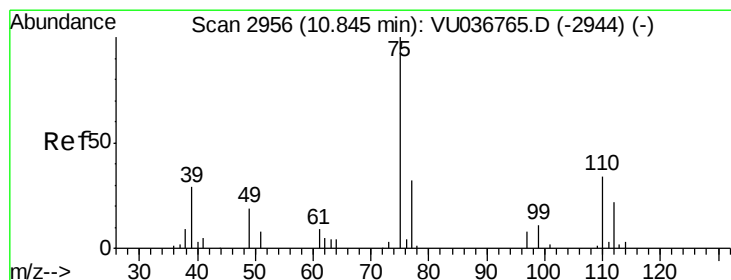
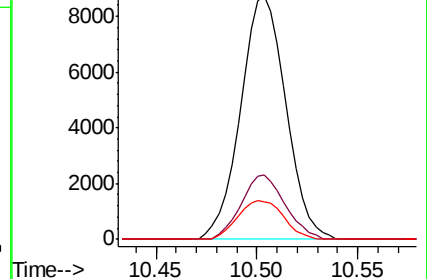
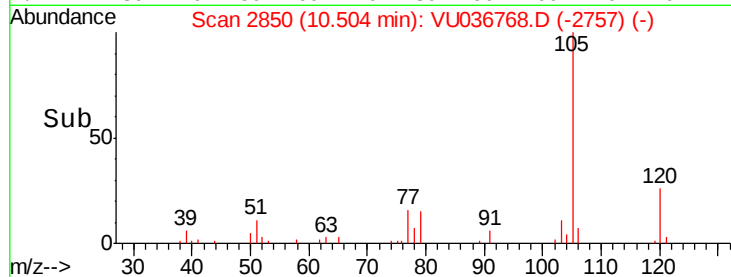
77 16.1 13.0 19.6



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: 0.221 ug/L

RT: 11.01 min Scan# 3008

Delta R.T. 0.17 min

Lab File: VU036768.D

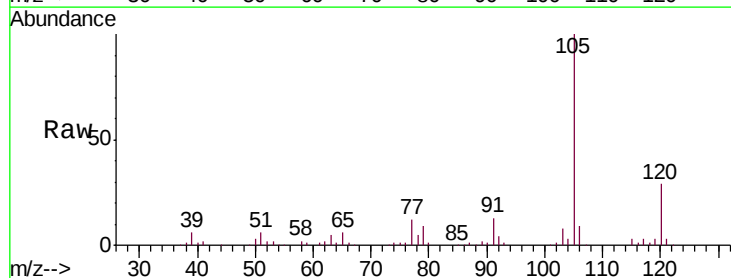
Acq: 13 Feb 2020 13:40

Tgt Ion: 75 Resp: 1475

Ion Ratio Lower Upper

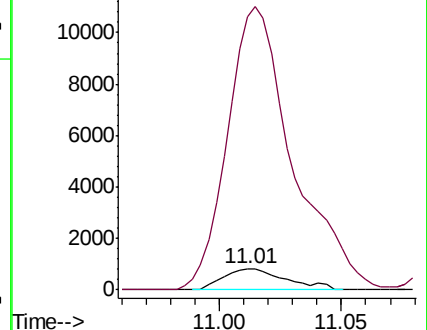
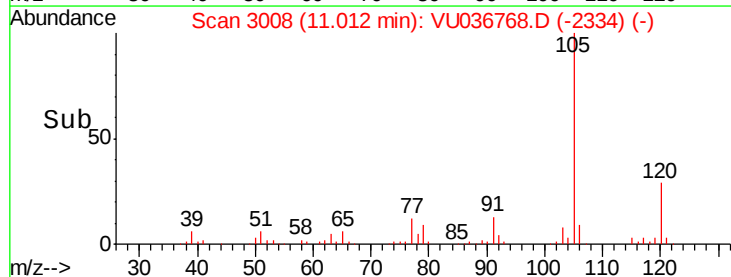
75 100

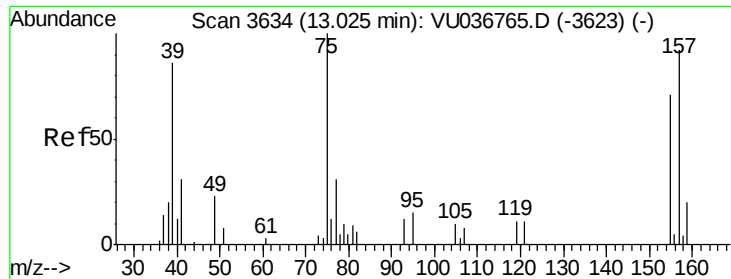
77 1391.7 25.6 38.4#



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: 15.253 ug/L

RT: 13.05 min Scan# 3643

Delta R.T. 0.03 min

Lab File: VU036768.D

Acq: 13 Feb 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

DBCT8DL

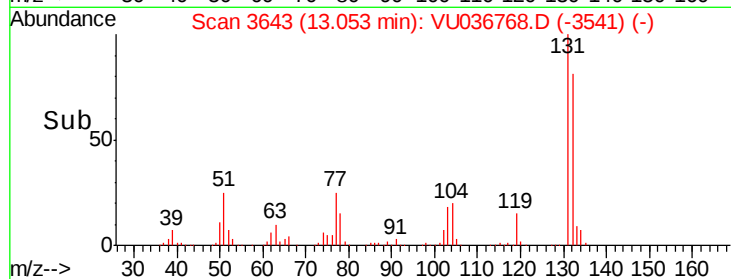
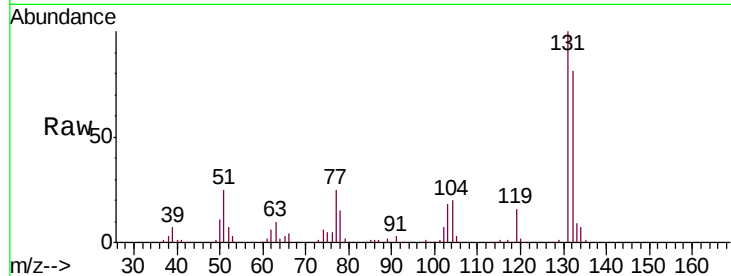
Tgt Ion: 75 Resp: 22074

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

