

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122520\
 Data File : VU041807.D
 Acq On : 24 Dec 2020 15:30
 Operator : SY/MD
 Sample : L5185-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S9

Quant Time: Dec 25 03:48:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 25 03:47:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	137687	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	133947	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61205	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35827	3.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.60%
7) Chloroethane-d5	1.92	69	37441	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.58	63	56311	2.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.80%#
20) 2-Butanone-d5	4.66	46	153098	49.51	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.02%
24) Chloroform-d	5.08	84	78836	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	5.72	65	45415	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	5.74	84	150186	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.40%
36) 1,2-Dichloropropane-d6	6.70	67	48581	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.80%
41) Toluene-d8	7.90	98	122968	3.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.00%
43) trans-1,3-Dichloropropene-	8.19	79	20158	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	8.64	63	121568	41.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.26%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47459	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	51292	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	902	0.080 ug/L #	75
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	676	0.071 ug/L #	22
13) Acetone	2.67	43	5493	2.793 ug/L	67
16) Methylene chloride	3.06	84	1469	0.132 ug/L	96
33) Benzene	5.79	78	2349	0.055 ug/L	100
35) Methylcyclohexane	6.70	83	12105	0.696 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5367	0.490 ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1249	0.077 ug/L	88
42) Toluene	7.97	91	19230	0.435 ug/L	98
47) Tetrachloroethene	8.56	164	537	0.071 ug/L	83
49) Dibromochloromethane	8.56	129	511	0.055 ug/L #	10
52) Ethylbenzene	9.57	91	3363	0.071 ug/L	88
53) m,p-Xylene	9.69	106	4689	0.267 ug/L	98
54) o-Xylene	10.10	106	2215	0.129 ug/L	78
59) 1,2,3-Trichloropropane	11.81	75	6563	0.798 ug/L	96

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Quant Time: Dec 25 03:48:06 2020
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 25 03:47:04 2020
Response via : Initial Calibration

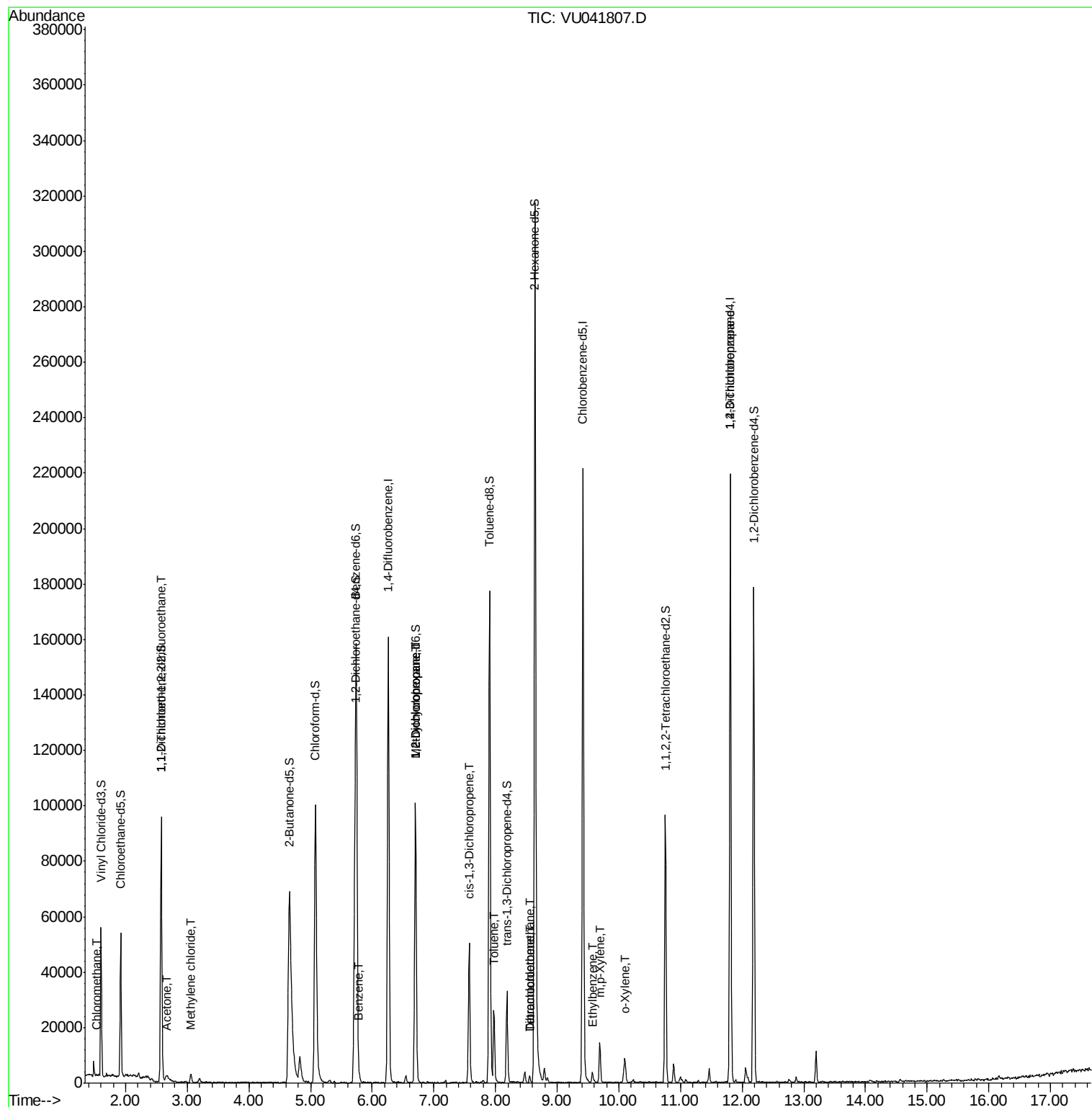
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

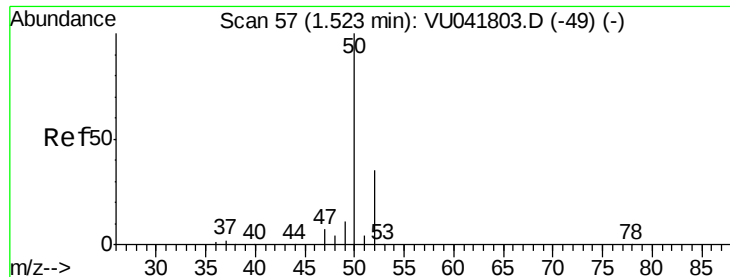
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122520\
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QLast Update : Fri Dec 25 03:47:04 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.080 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041807.D

Acq: 24 Dec 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

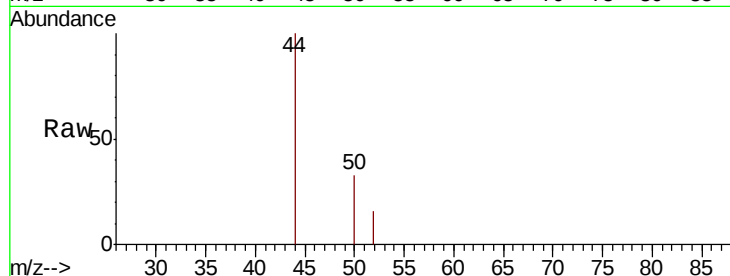
BG4S9

Tot Ion: 50 Resp: 902

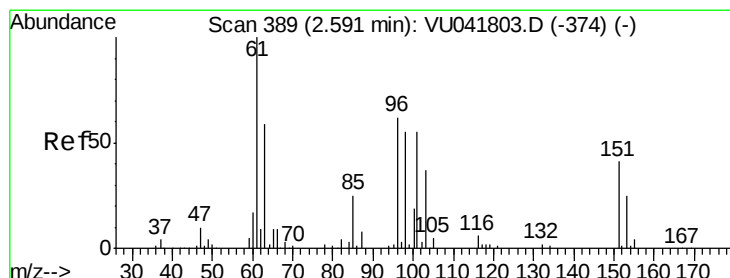
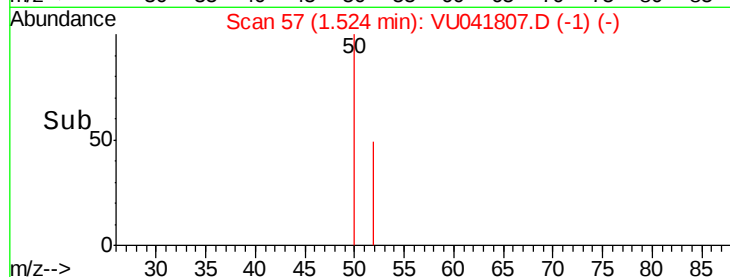
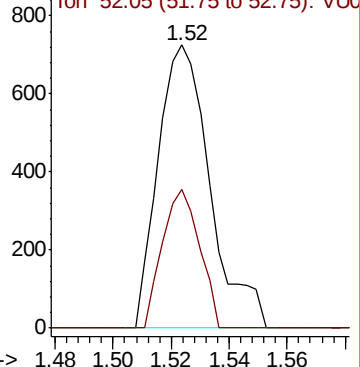
Ion Ratio Lower Upper

50 100

52 49.1 24.1 44.8#



Abundance Ion 50.05 (49.75 to 50.75): VU041807.D (-1) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.071 ug/L

RT: 2.58 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041807.D

Acq: 24 Dec 2020 15:30

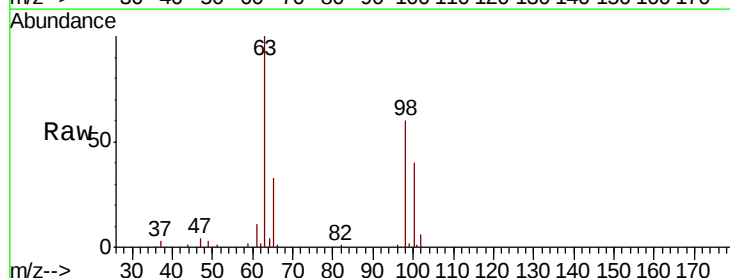
Tgt Ion: 101 Resp: 676

Ion Ratio Lower Upper

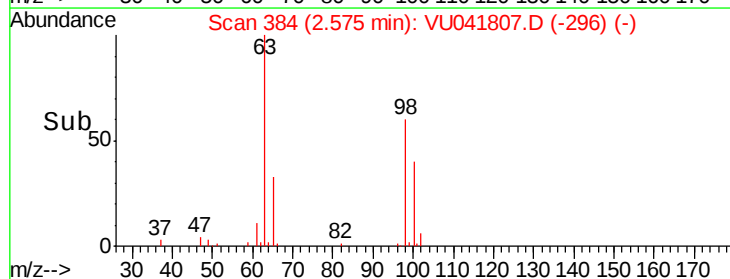
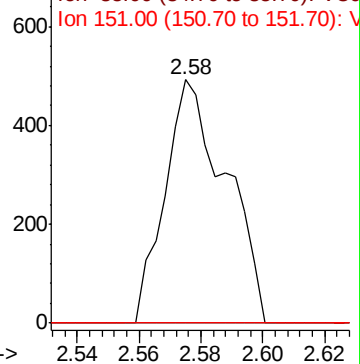
101 100

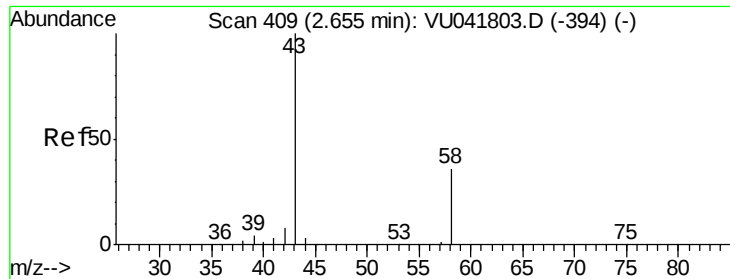
85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



Abundance Ion 101.00 (100.70 to 101.70): VU041807.D (-296) (-)





#13

Acetone

Concen: 2.793 ug/L

RT: 2.67 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU041807.D

Acq: 24 Dec 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

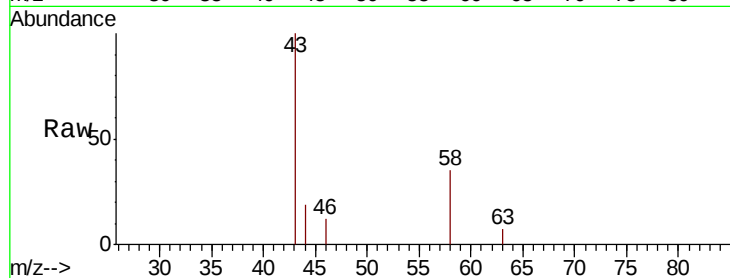
BG4S9

Tot Ion: 43 Resp: 5493

Ion Ratio Lower Upper

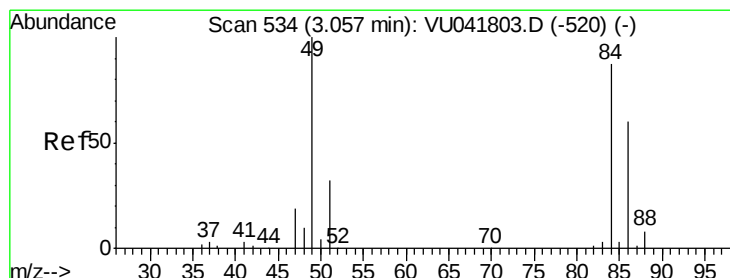
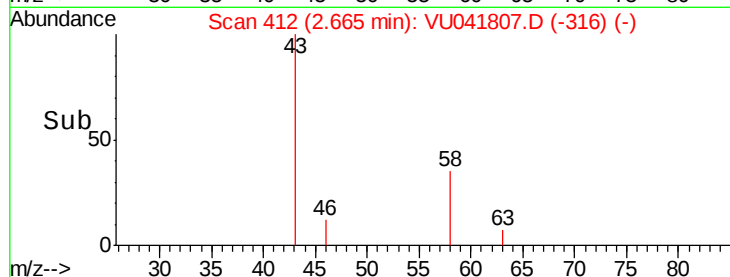
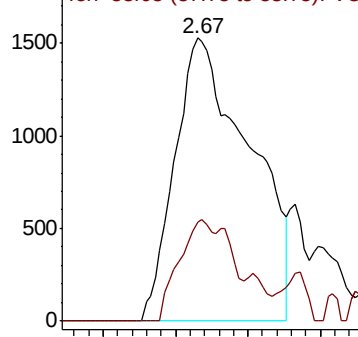
43 100

58 16.9 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 0.132 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041807.D

Acq: 24 Dec 2020 15:30

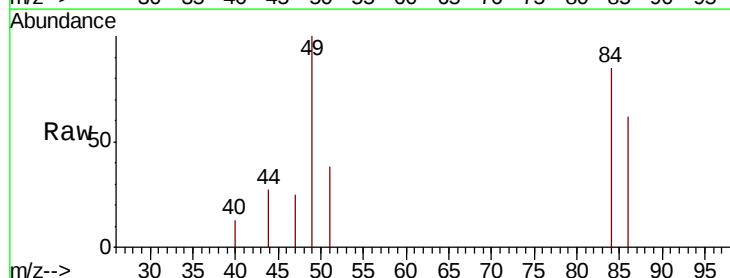
Tgt Ion: 84 Resp: 1469

Ion Ratio Lower Upper

84 100

86 72.7 45.1 83.7

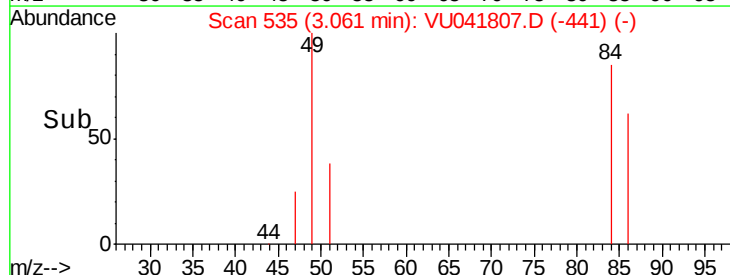
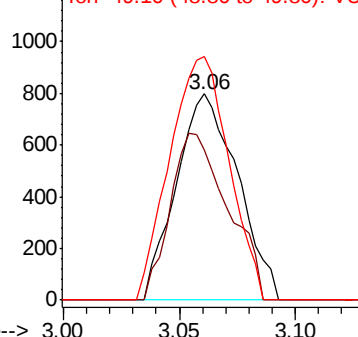
49 118.0 83.1 154.3

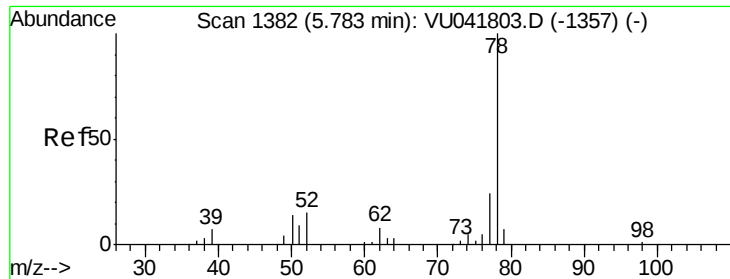


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#33

Benzene

Concen: 0.055 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.01 min

Lab File: VU041807.D

Acq: 24 Dec 2020 15:30

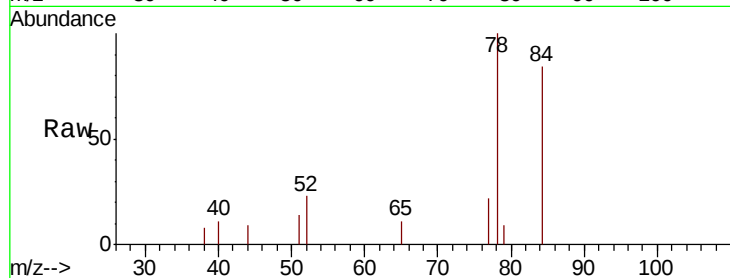
Instrument :

MSVOA_U

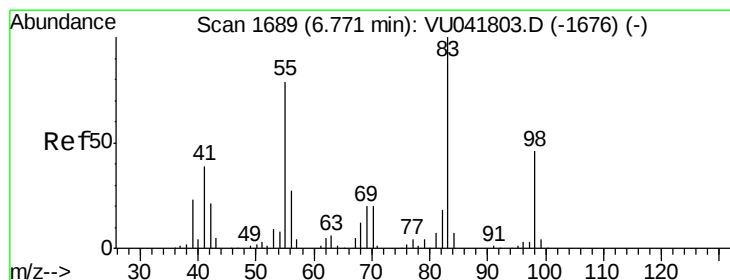
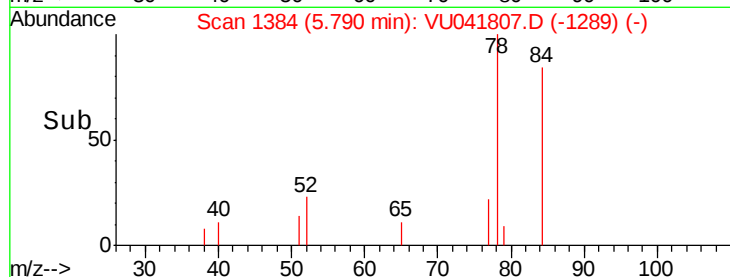
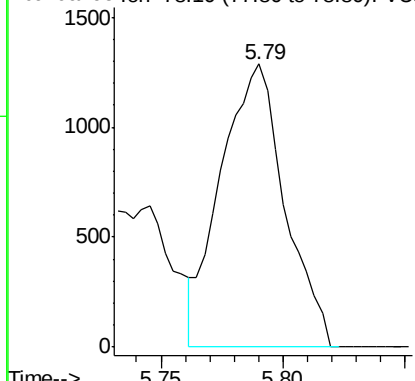
ClientSampled :

BG4S9

Tgt Ion: 78 Resp: 2349



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.696 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041807.D

Acq: 24 Dec 2020 15:30

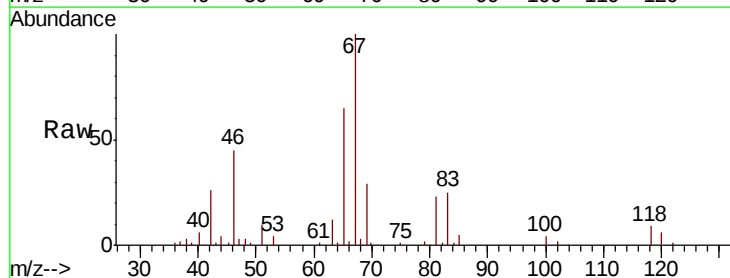
Tgt Ion: 83 Resp: 12105

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

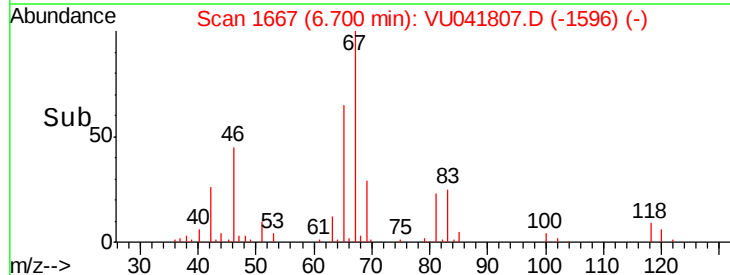
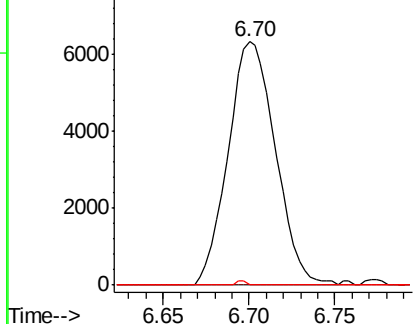
98 0.3 36.6 54.8#

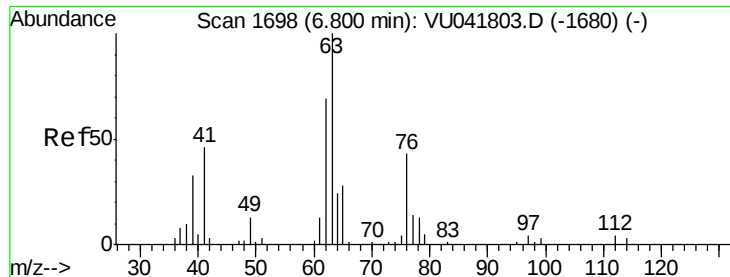


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

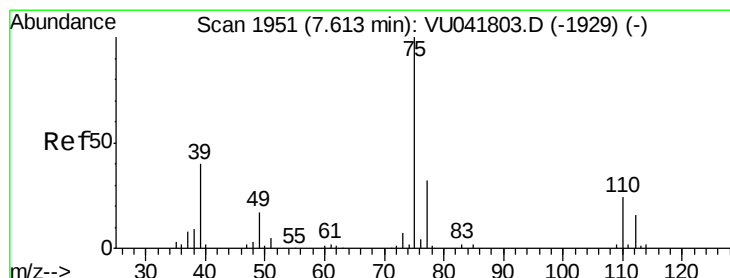
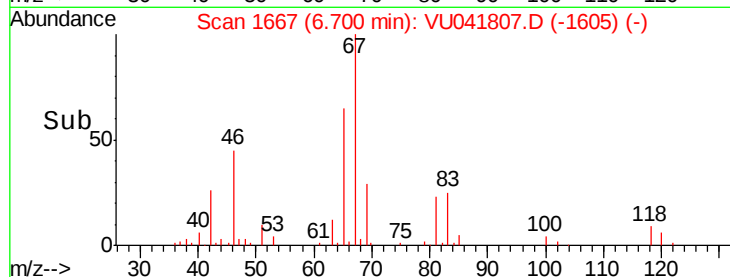
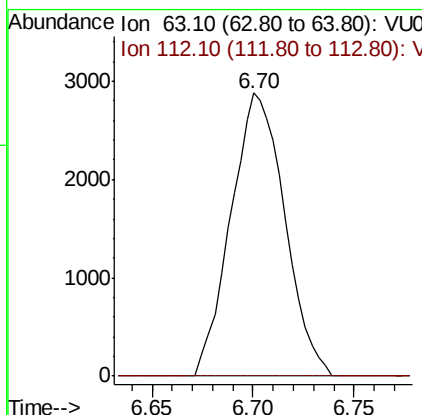
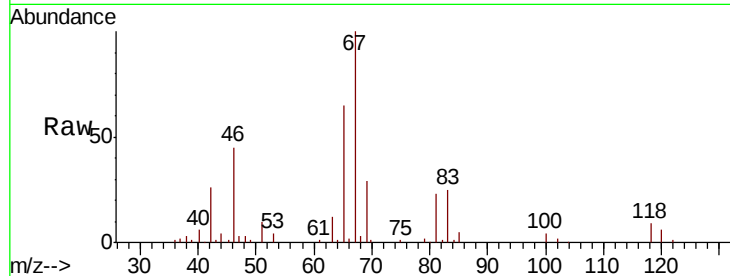




#37
 1,2-Dichloropropane
 Concen: 0.490 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041807.D
 Acq: 24 Dec 2020 15:30

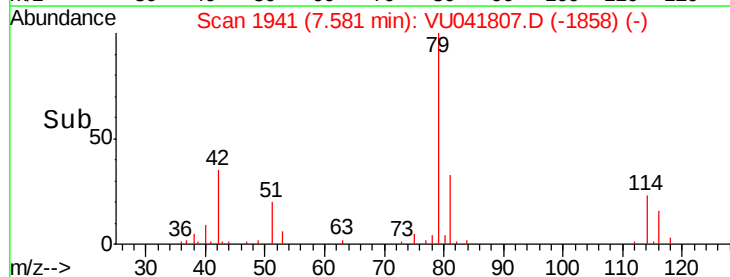
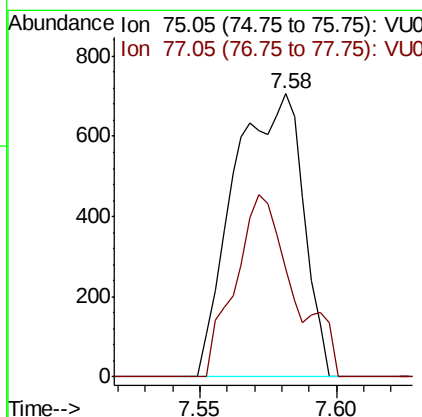
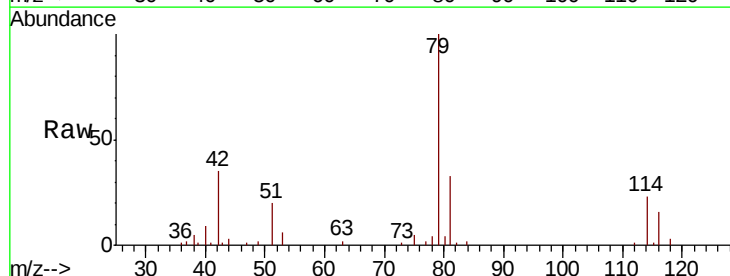
Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S9

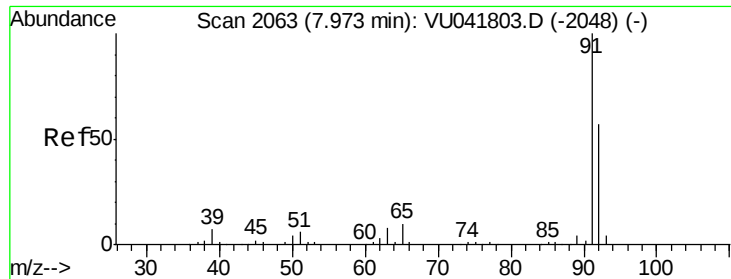
Tot Ion: 63 Resp: 5367
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.077 ug/L
 RT: 7.58 min Scan# 1941
 Delta R.T. -0.03 min
 Lab File: VU041807.D
 Acq: 24 Dec 2020 15:30

Tgt Ion: 75 Resp: 1249
 Ion Ratio Lower Upper
 75 100
 77 38.4 22.3 41.3





#42

Toluene

Concen: 0.435 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041807.D

Acq: 24 Dec 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

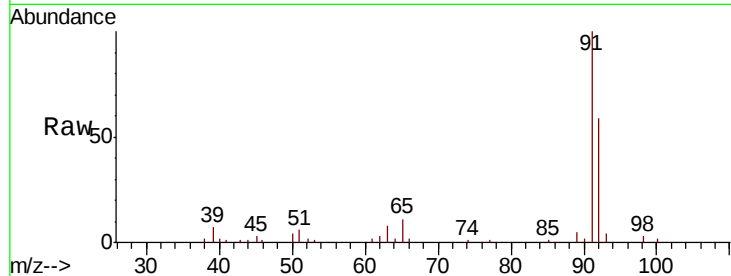
BG4S9

Tot Ion: 91 Resp: 19230

Ion Ratio Lower Upper

91 100

92 58.9 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

12000

10000

8000

6000

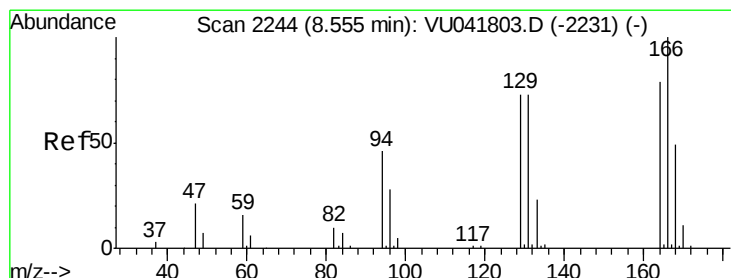
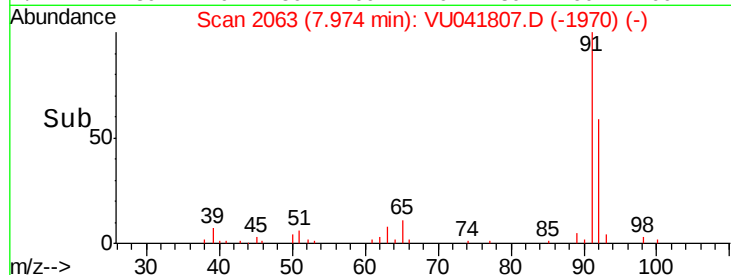
4000

2000

0

Time-->

7.90 7.95 8.00 8.05



#47

Tetrachloroethene

Concen: 0.071 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041807.D

Acq: 24 Dec 2020 15:30

Tgt Ion:164 Resp: 537

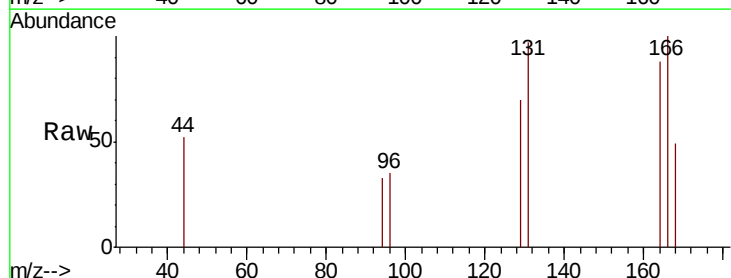
Ion Ratio Lower Upper

164 100

129 78.9 72.2 134.0

131 110.3 66.9 124.3

166 113.3 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

800

600

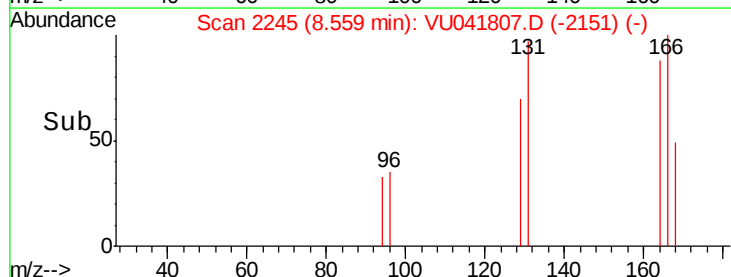
400

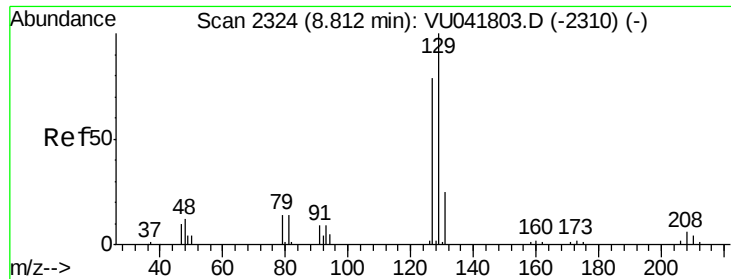
200

0

Time-->

8.52 8.54 8.56 8.58





#49

Dibromochloromethane

Concen: 0.055 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041807.D

Acq: 24 Dec 2020 15:30

Instrument :

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ClientSampleId :

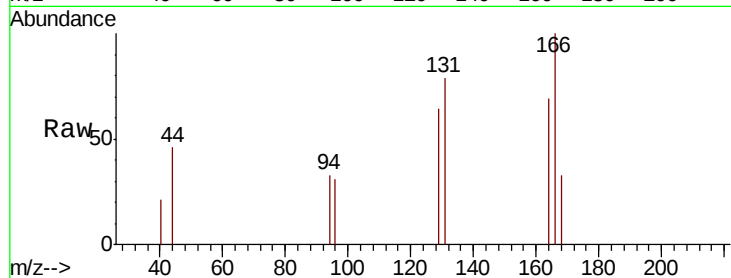
BG4S9

Tot Ion:129 Resp: 511

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

300

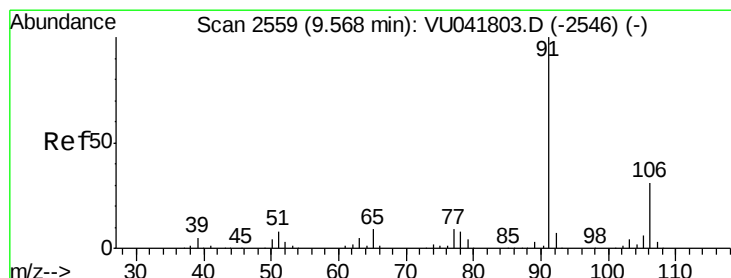
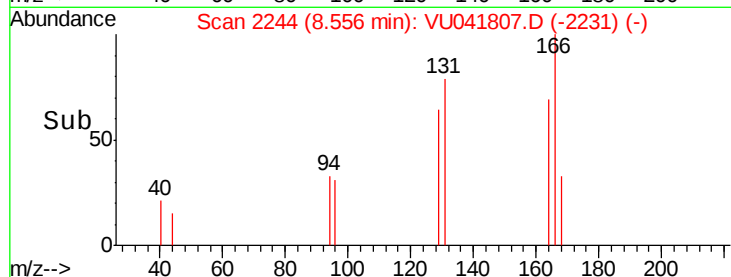
200

100

0

8.52 8.54 8.56 8.58

Time-->



#52

Ethylbenzene

Concen: 0.071 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041807.D

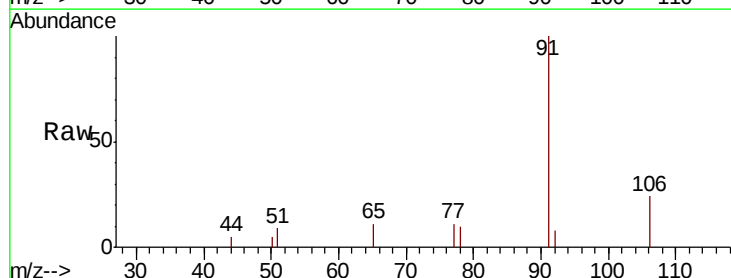
Acq: 24 Dec 2020 15:30

Tgt Ion: 91 Resp: 3363

Ion Ratio Lower Upper

91 100

106 23.6 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V

9.57

2500

2000

1500

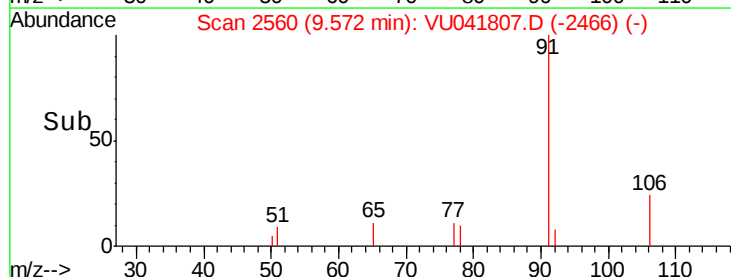
1000

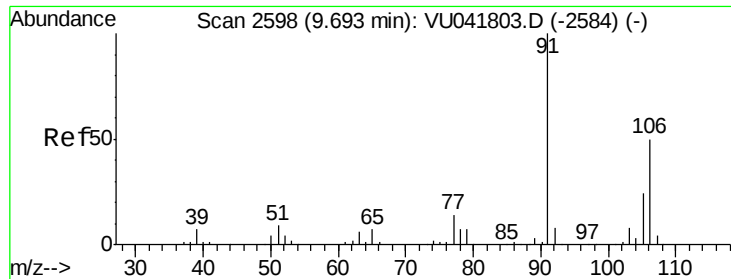
500

0

9.55 9.60

Time-->





#53

m,p-Xylene

Concen: 0.267 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU041807.D

Acq: 24 Dec 2020 15:30

Instrument :

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ClientSampleId :

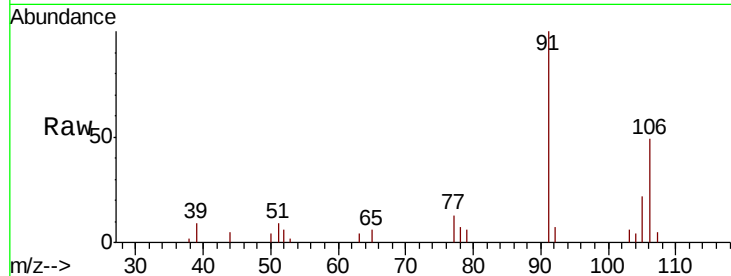
BG4S9

Tot Ion:106 Resp: 4689

Ion Ratio Lower Upper

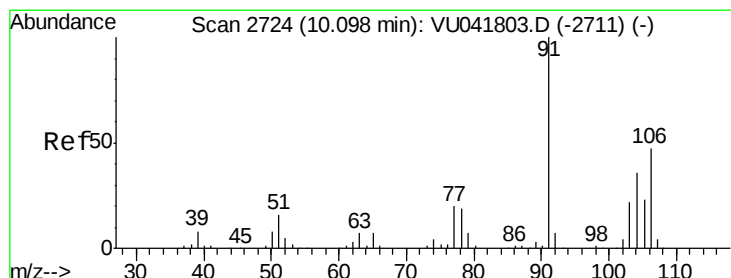
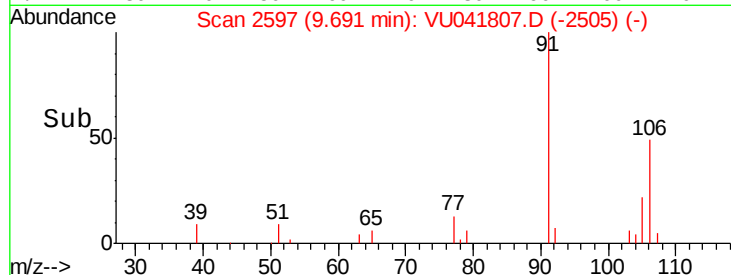
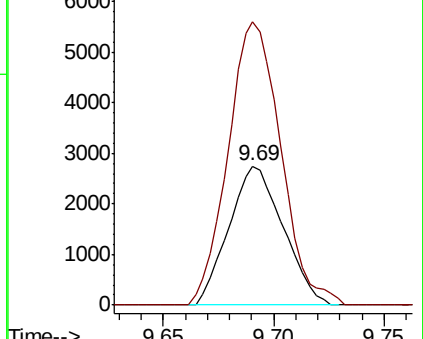
106 100

91 203.8 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.129 ug/L

RT: 10.10 min Scan# 2723

Delta R.T. -0.00 min

Lab File: VU041807.D

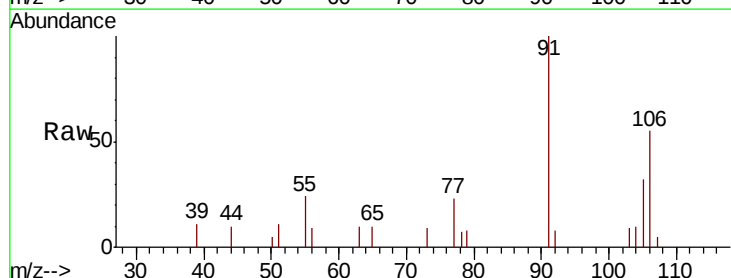
Acq: 24 Dec 2020 15:30

Tgt Ion:106 Resp: 2215

Ion Ratio Lower Upper

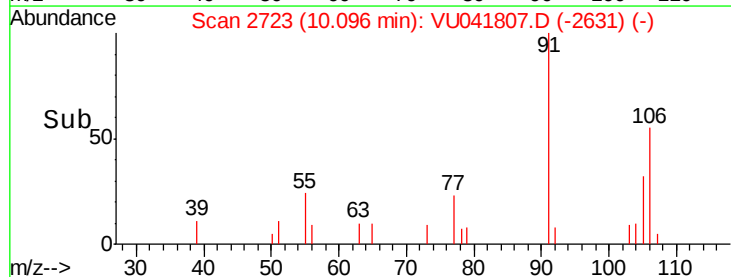
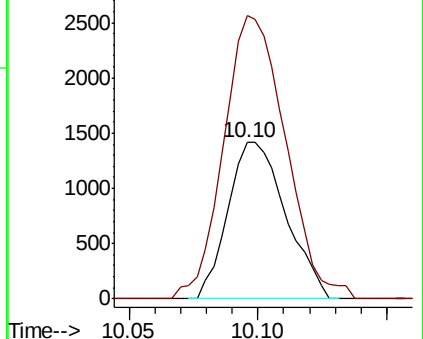
106 100

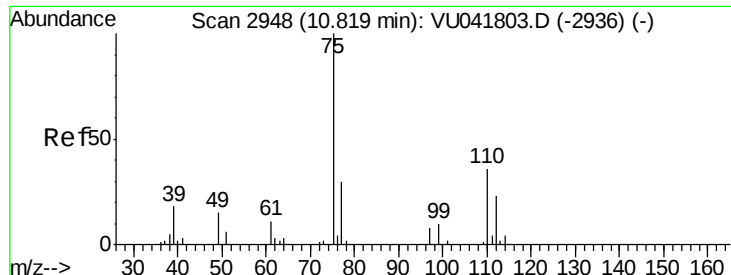
91 181.3 151.3 281.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#59

1,2,3-Trichloropropane

Concen: 0.798 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041807.D

Acq: 24 Dec 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

BG4S9

Tot Ion: 75 Resp: 6563

Ion Ratio Lower Upper

75 100

77 30.2 26.2 39.2

