

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040758.D
 Acq On : 16 Oct 2020 19:24
 Operator : SY/MD
 Sample : L4354-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ21

Quant Time: Oct 16 23:43:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 23:38:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	107900	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113297	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48752	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37733	4.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.40%
7) Chloroethane-d5	1.92	69	36076	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.58	63	62155	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.66	46	164050	57.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.68%
24) Chloroform-d	5.08	84	87640	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	5.72	65	53553	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
32) Benzene-d6	5.75	84	152400	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.70	67	54345	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.91	98	118701	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	18430	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.64	63	108840	49.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47748	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	48757	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1182	0.129 ug/L #	79
8) Chloroethane	1.95	64	195	0.032 ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	469	0.052 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	534	0.069 ug/L #	1
33) Benzene	5.79	78	7447	0.205 ug/L	100
35) Methylcyclohexane	6.71	83	13053	0.976 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6223	0.614 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1159	0.084 ug/L #	58
42) Toluene	7.98	91	5060	0.136 ug/L	86
44) trans-1,3-Dichloropropene	8.18	75	753	0.059 ug/L #	81
48) 2-Hexanone	8.64	43	16451	2.733 ug/L #	72
52) Ethylbenzene	9.57	91	4502	0.112 ug/L	84
53) m,p-Xylene	9.70	106	6610	0.452 ug/L	90
54) o-Xylene	10.10	106	1622	0.115 ug/L	98
59) 1,2,3-Trichloropropane	11.81	75	6211	0.834 ug/L	91

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QLast Update : Fri Oct 16 23:38:52 2020
Response via : Initial Calibration

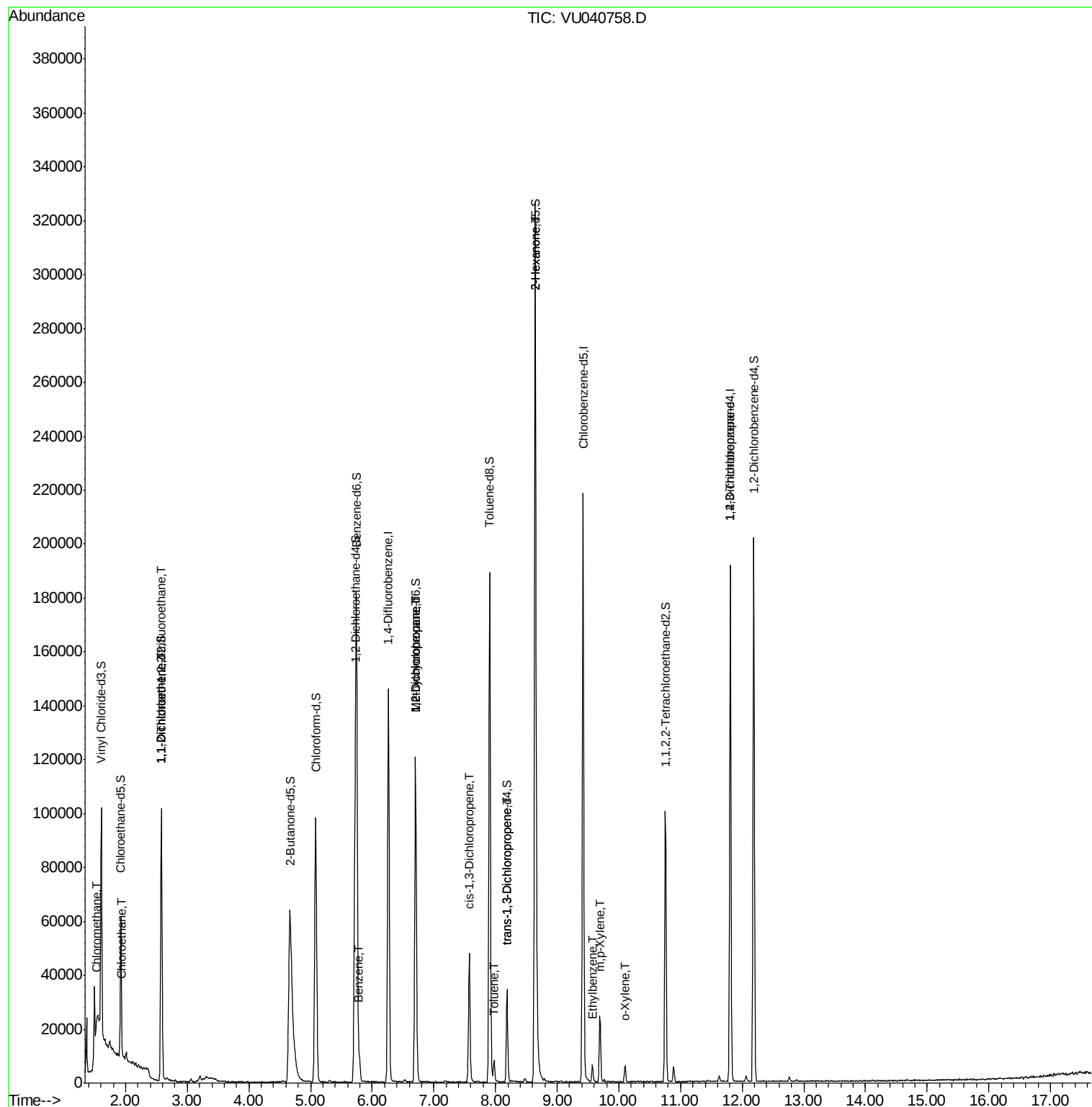
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

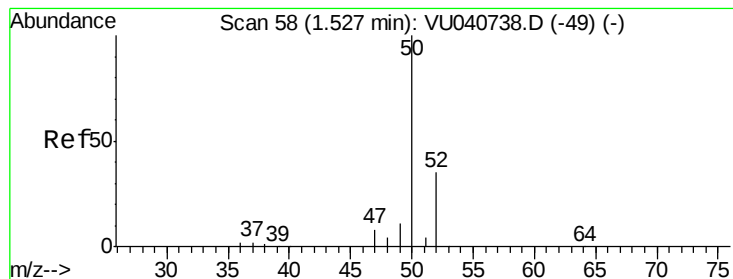
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.129 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040758.D

Acq: 16 Oct 2020 19:24

Instrument :

MSVOA_U

ClientSampled :

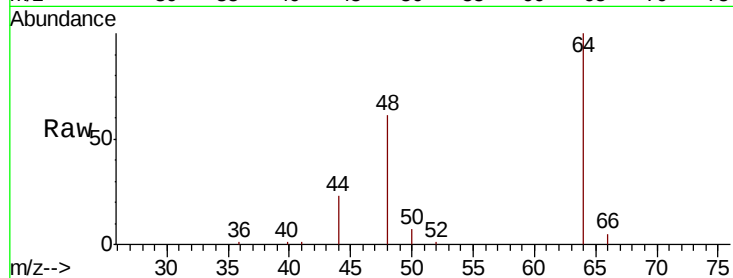
ETZ21

Tot Ion: 50 Resp: 1182

Ion Ratio Lower Upper

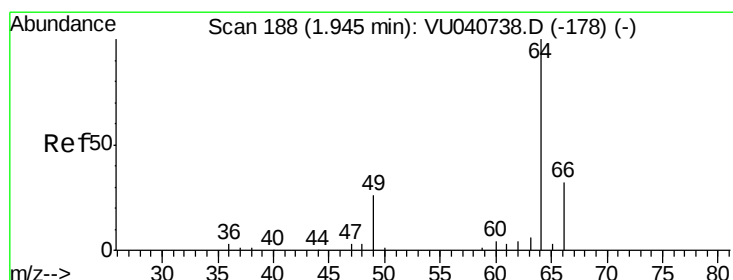
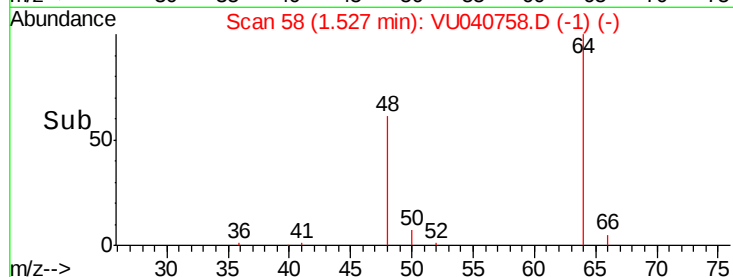
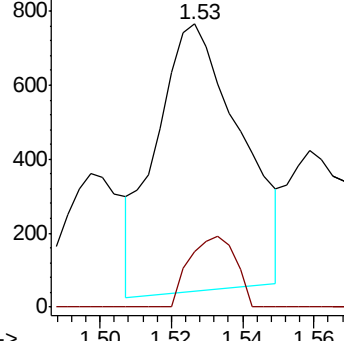
50 100

52 19.6 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.032 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU040758.D

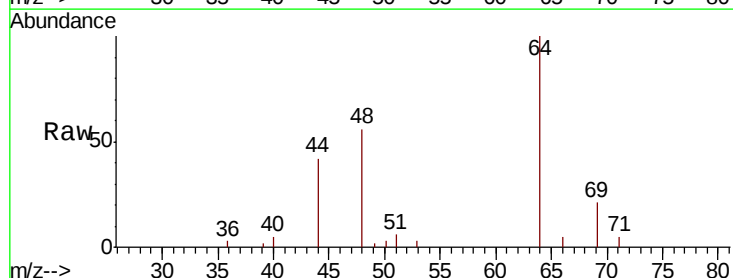
Acq: 16 Oct 2020 19:24

Tgt Ion: 64 Resp: 195

Ion Ratio Lower Upper

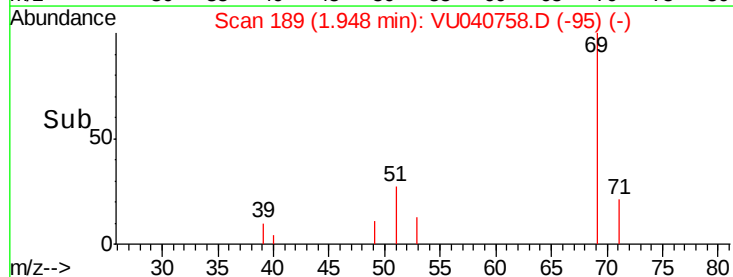
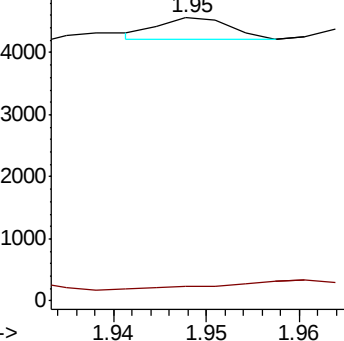
64 100

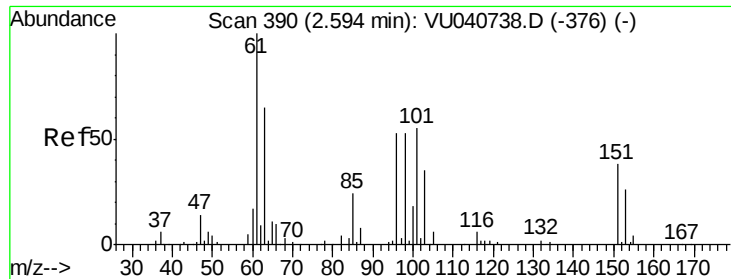
66 5.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.052 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040758.D

Acq: 16 Oct 2020 19:24

Instrument :

MSVOA_U

ClientSampleId :

ETZ21

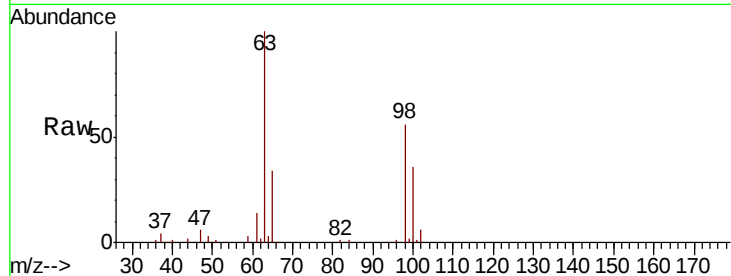
Tot Ion:101 Resp: 469

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

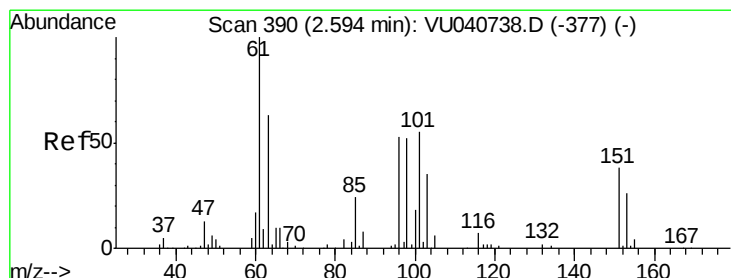
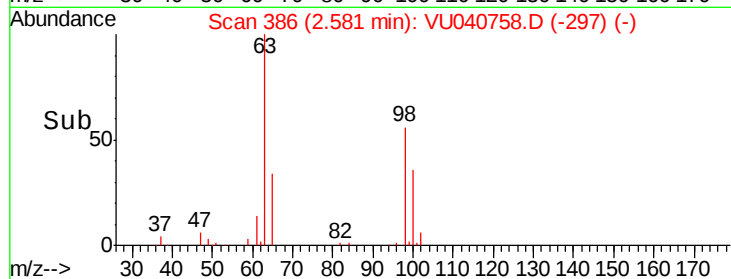
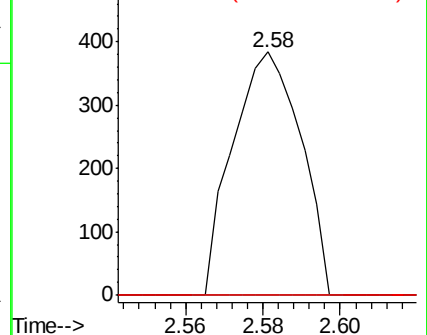
151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.069 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU040758.D

Acq: 16 Oct 2020 19:24

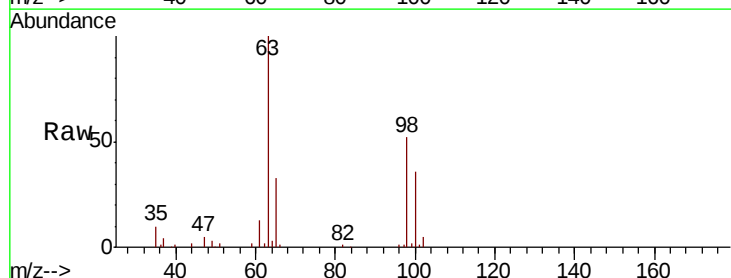
Tgt Ion: 96 Resp: 534

Ion Ratio Lower Upper

96 100

61 1108.8 128.8 239.2#

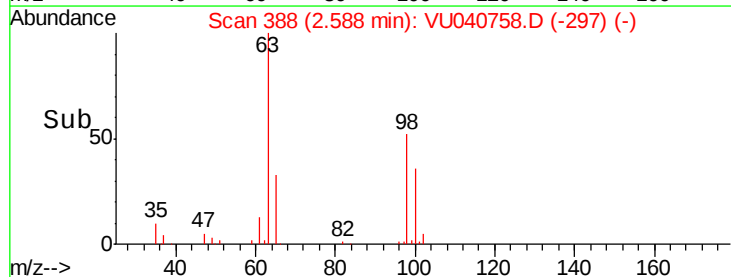
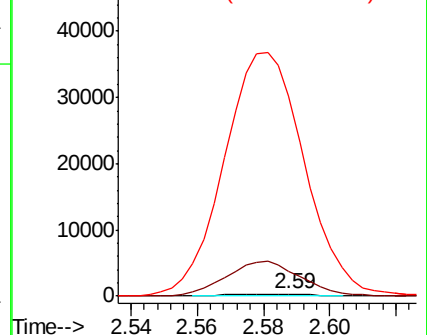
63 8830.4 84.6 157.2#

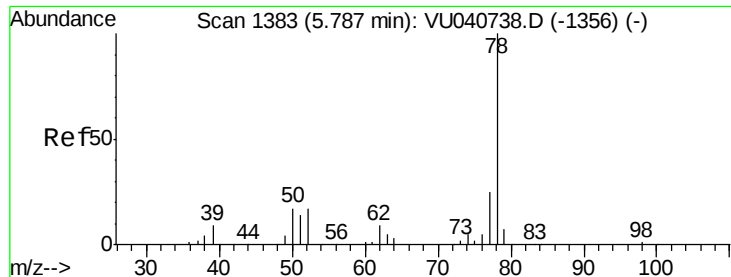


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#33

Benzene

Concen: 0.205 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040758.D

Acq: 16 Oct 2020 19:24

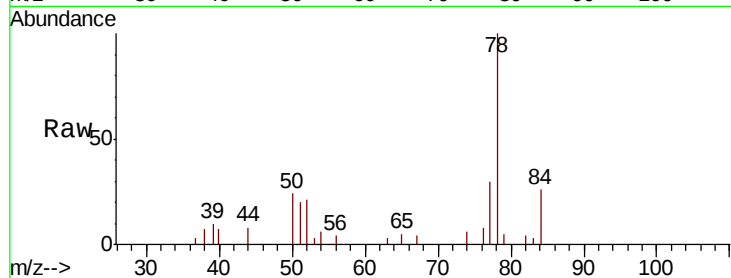
Instrument :

MSVOA_U

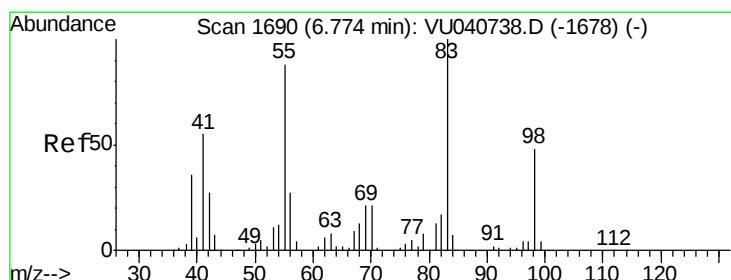
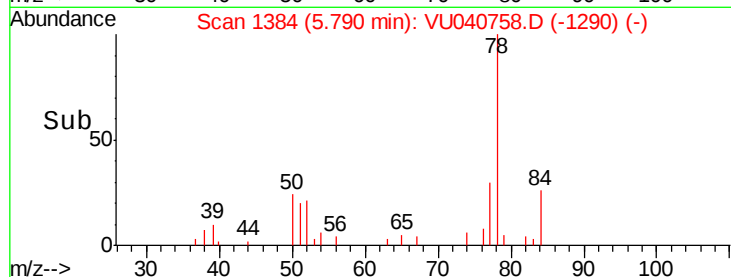
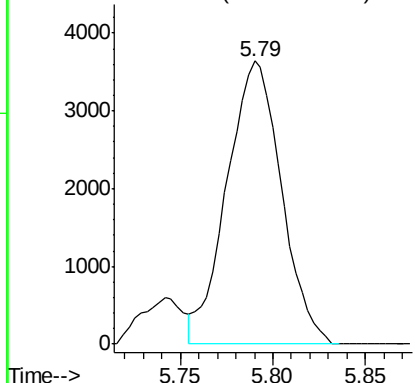
ClientSampled :

ETZ21

Tgt Ion: 78 Resp: 7447



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.976 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU040758.D

Acq: 16 Oct 2020 19:24

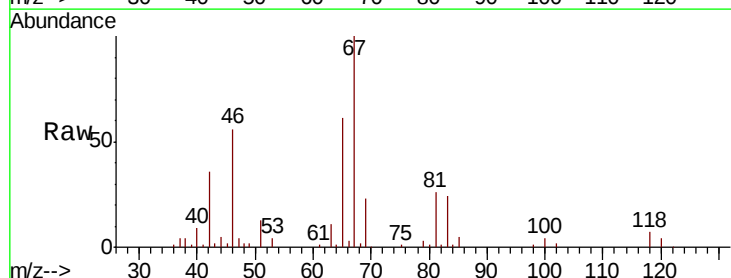
Tgt Ion: 83 Resp: 13053

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

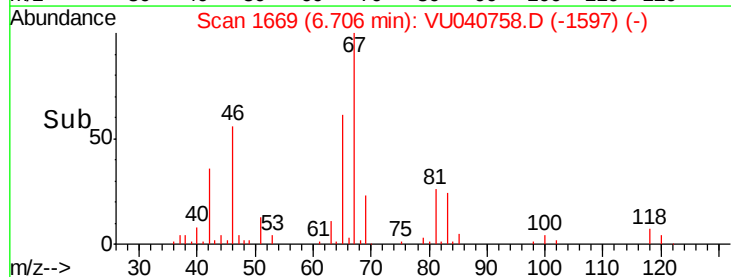
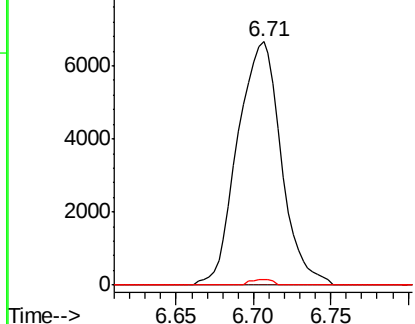
98 1.1 38.4 57.6#

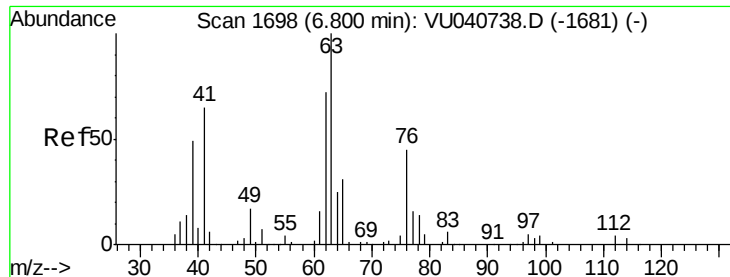


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

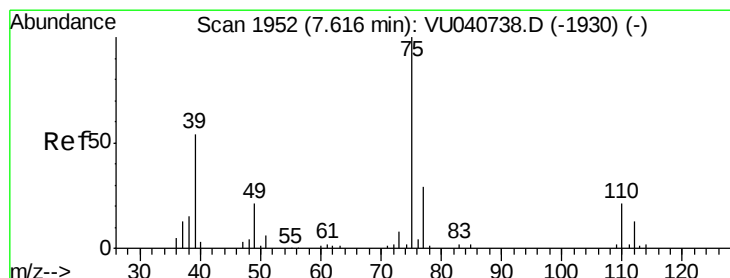
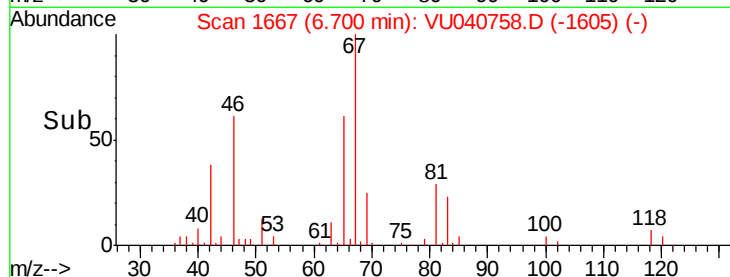
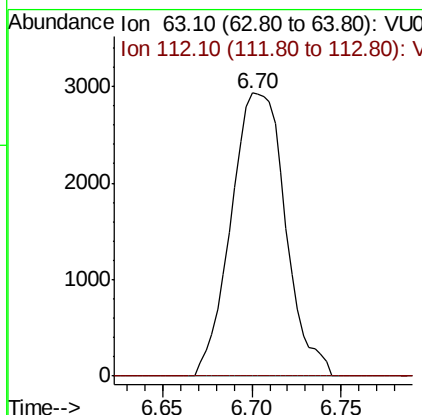
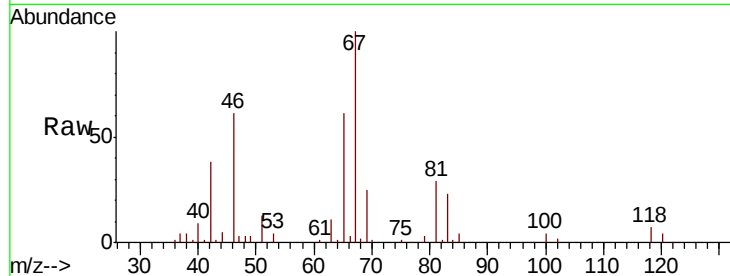




#37
 1,2-Dichloropropane
 Concen: 0.614 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040758.D
 Acq: 16 Oct 2020 19:24

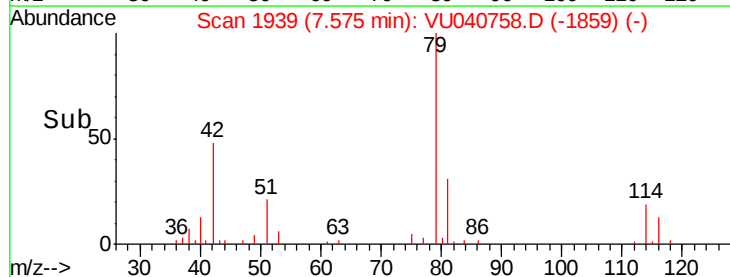
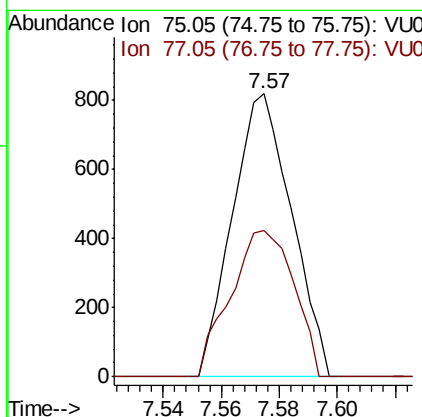
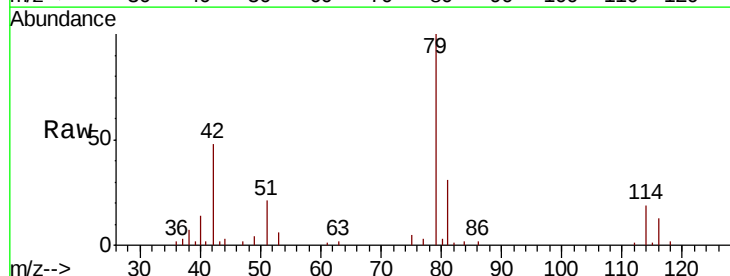
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ21

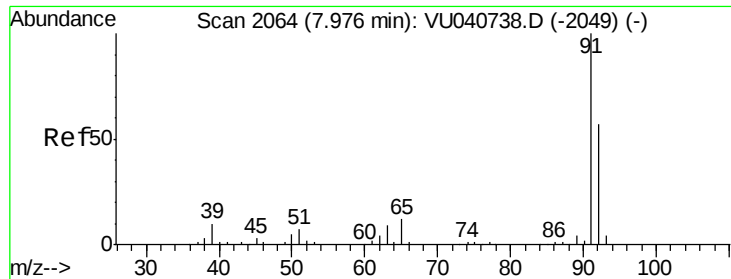
Tot Ion: 63 Resp: 6223
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040758.D
 Acq: 16 Oct 2020 19:24

Tgt Ion: 75 Resp: 1159
 Ion Ratio Lower Upper
 75 100
 77 51.6 20.5 38.1#





#42

Toluene

Concen: 0.136 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040758.D

Acq: 16 Oct 2020 19:24

Instrument :

MSVOA_U

ClientSampleId :

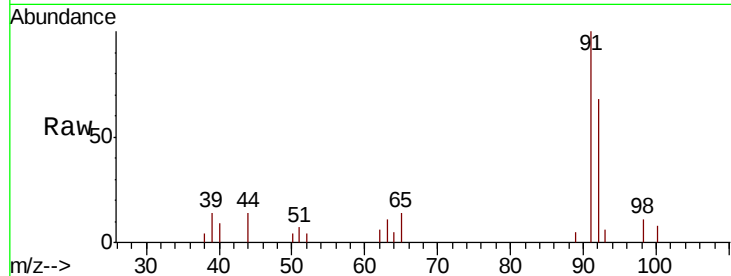
ETZ21

Tot Ion: 91 Resp: 5060

Ion Ratio Lower Upper

91 100

92 67.6 40.2 74.6

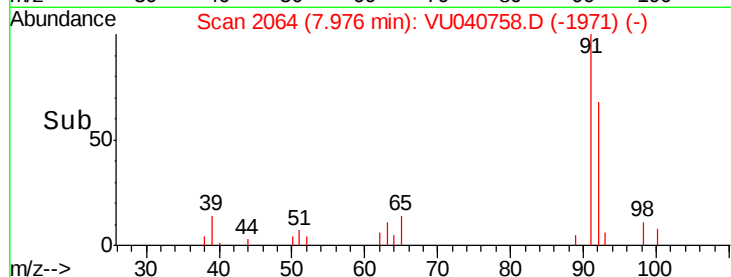


Abundance Ion 91.15 (90.85 to 91.85): VU040738.D (-2049) (-)

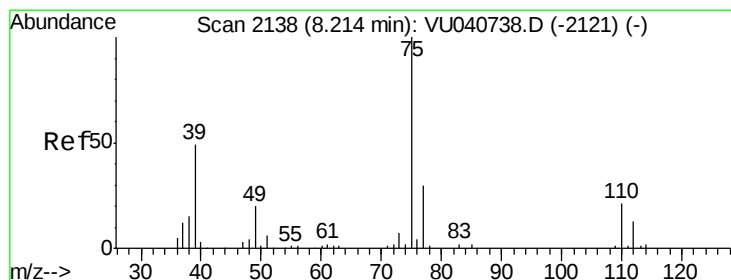
Ion 92.15 (91.85 to 92.85): VU040738.D (-2049) (-)

7.98

7.95 8.00



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.059 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040758.D

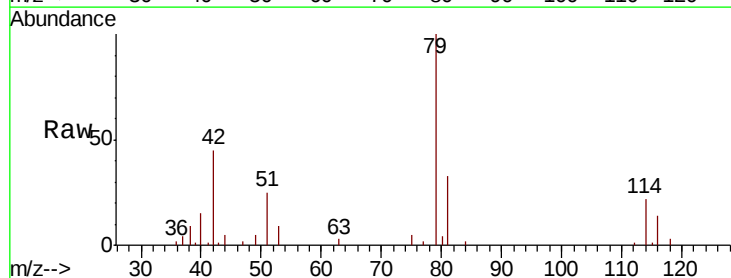
Acq: 16 Oct 2020 19:24

Tgt Ion: 75 Resp: 753

Ion Ratio Lower Upper

75 100

77 39.1 20.4 38.0#

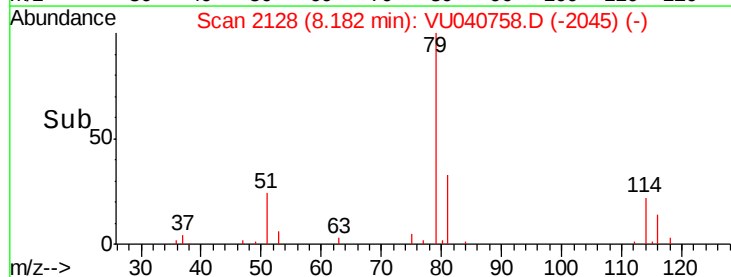


Abundance Ion 75.05 (74.75 to 75.75): VU040738.D (-2121) (-)

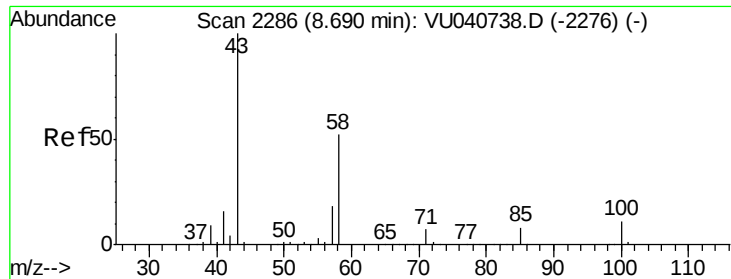
Ion 77.05 (76.75 to 77.75): VU040738.D (-2121) (-)

8.18

8.14 8.22



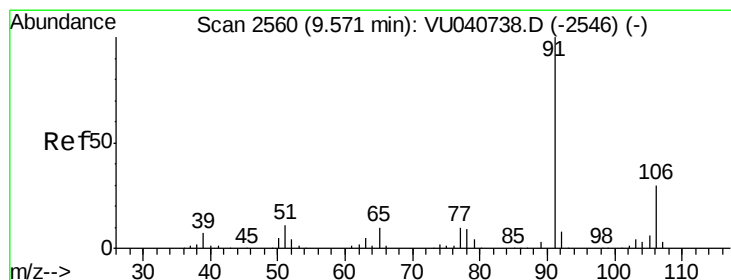
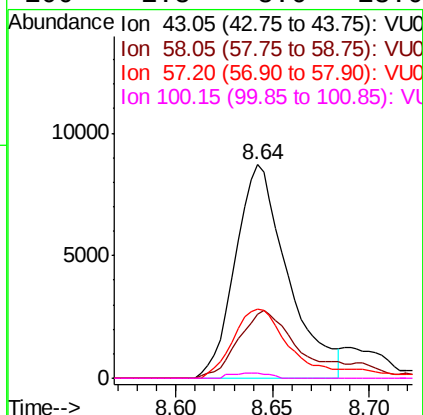
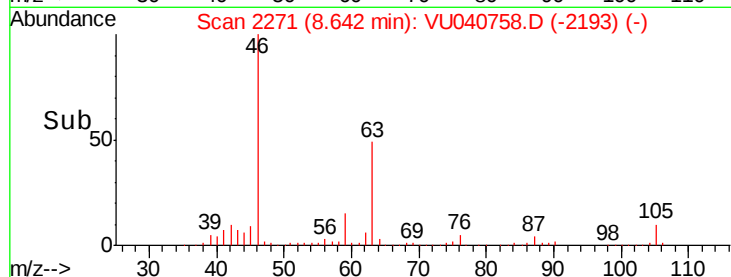
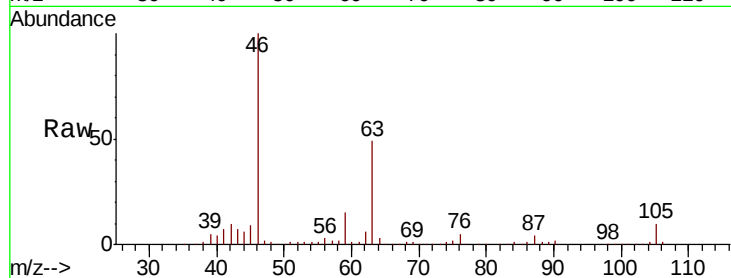
Time-->



#48
2-Hexanone
Concen: 2.733 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040758.D
Acq: 16 Oct 2020 19:24

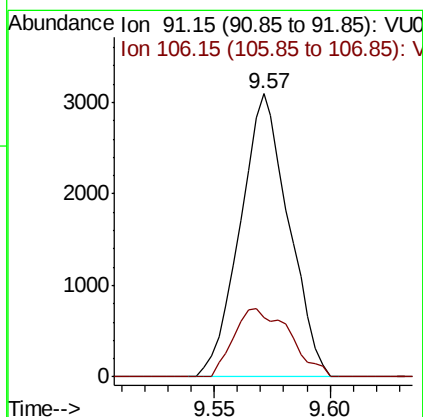
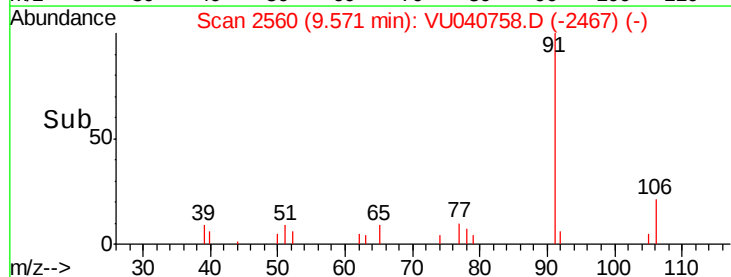
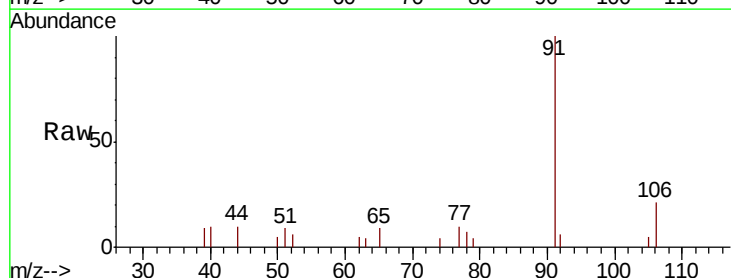
Instrument :
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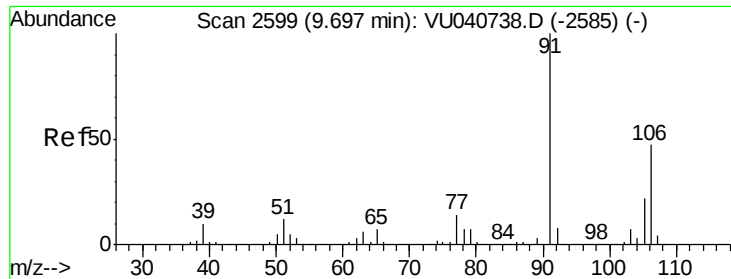
Tot Ion	Ratio	Lower	Upper
43	100		
58	33.4	41.0	61.6#
57	34.2	14.4	21.6#
100	1.8	8.6	13.0#



#52
Ethylbenzene
Concen: 0.112 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040758.D
Acq: 16 Oct 2020 19:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	21.1	20.7	38.5





#53

m,p-Xylene

Concen: 0.452 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040758.D

Acq: 16 Oct 2020 19:24

Instrument :

MSVOA_U

ClientSampleId :

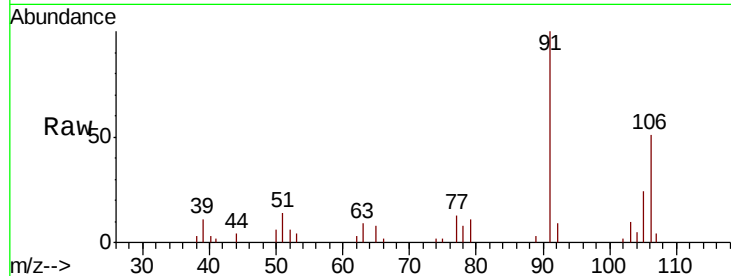
ETZ21

Tot Ion:106 Resp: 6610

Ion Ratio Lower Upper

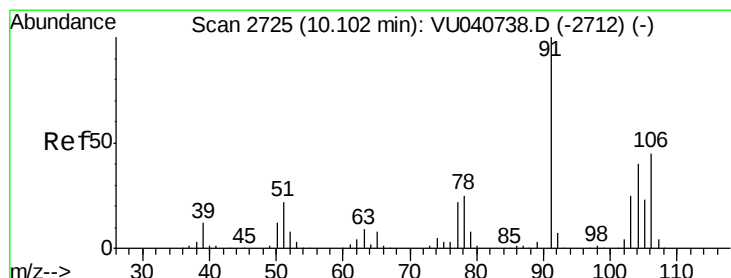
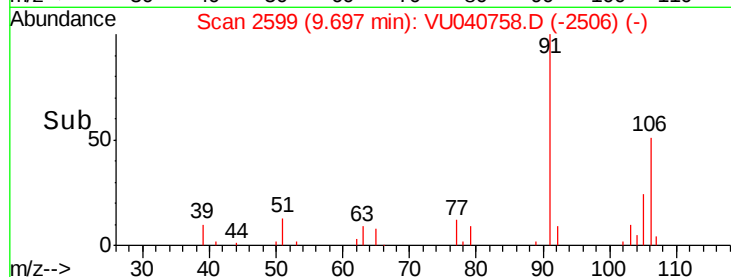
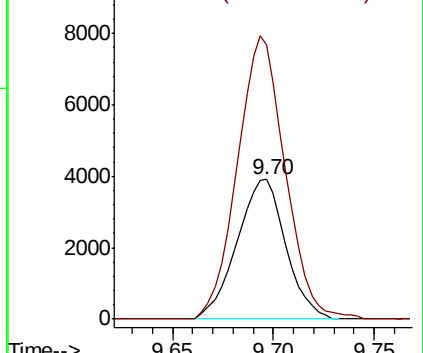
106 100

91 196.6 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.115 ug/L

RT: 10.10 min Scan# 2726

Delta R.T. 0.00 min

Lab File: VU040758.D

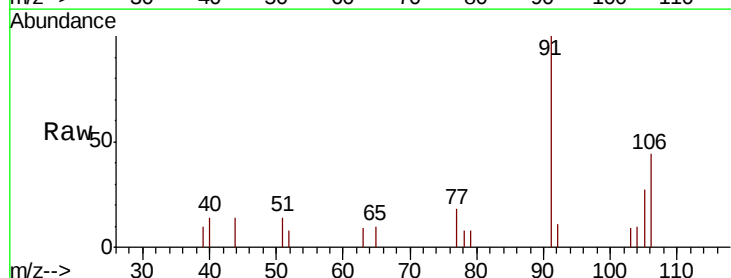
Acq: 16 Oct 2020 19:24

Tgt Ion:106 Resp: 1622

Ion Ratio Lower Upper

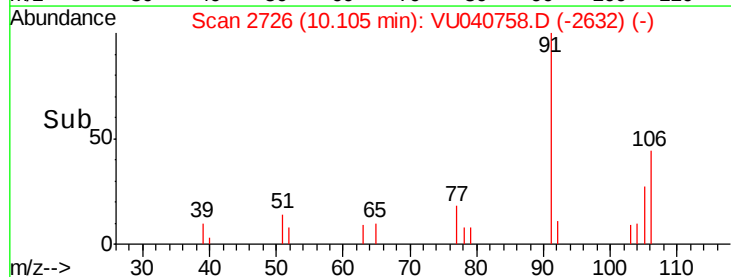
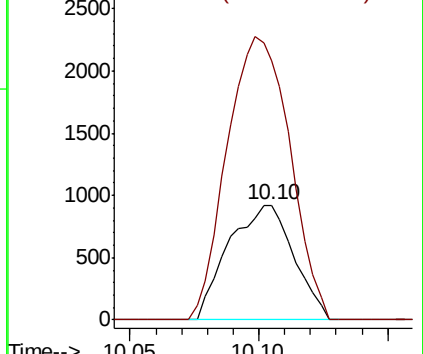
106 100

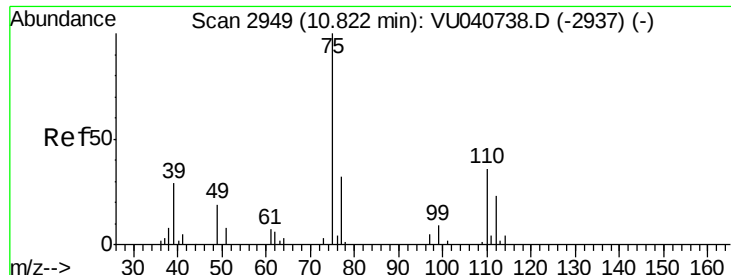
91 225.8 160.2 297.4



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: 0.834 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040758.D

Acq: 16 Oct 2020 19:24

Instrument :

MSVOA_U

ClientSampleId :

ETZ21

Tot Ion: 75 Resp: 6211

Ion Ratio Lower Upper

75 100

77 37.9 26.4 39.6

