

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102020\
 Data File : VU040858.D
 Acq On : 20 Oct 2020 19:29
 Operator : SY/MD
 Sample : L4428-17MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ50MS

Quant Time: Oct 21 01:45:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 23:49:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	111060	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118596	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50433	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41638	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.92	69	36640	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.58	63	86790	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	4.65	46	169976	57.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.44%
24) Chloroform-d	5.08	84	88224	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	5.72	65	54188	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.74	84	158931	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.70	67	55862	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.91	98	129292	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.19	79	22298	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.64	63	126246	54.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50247	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	53617	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

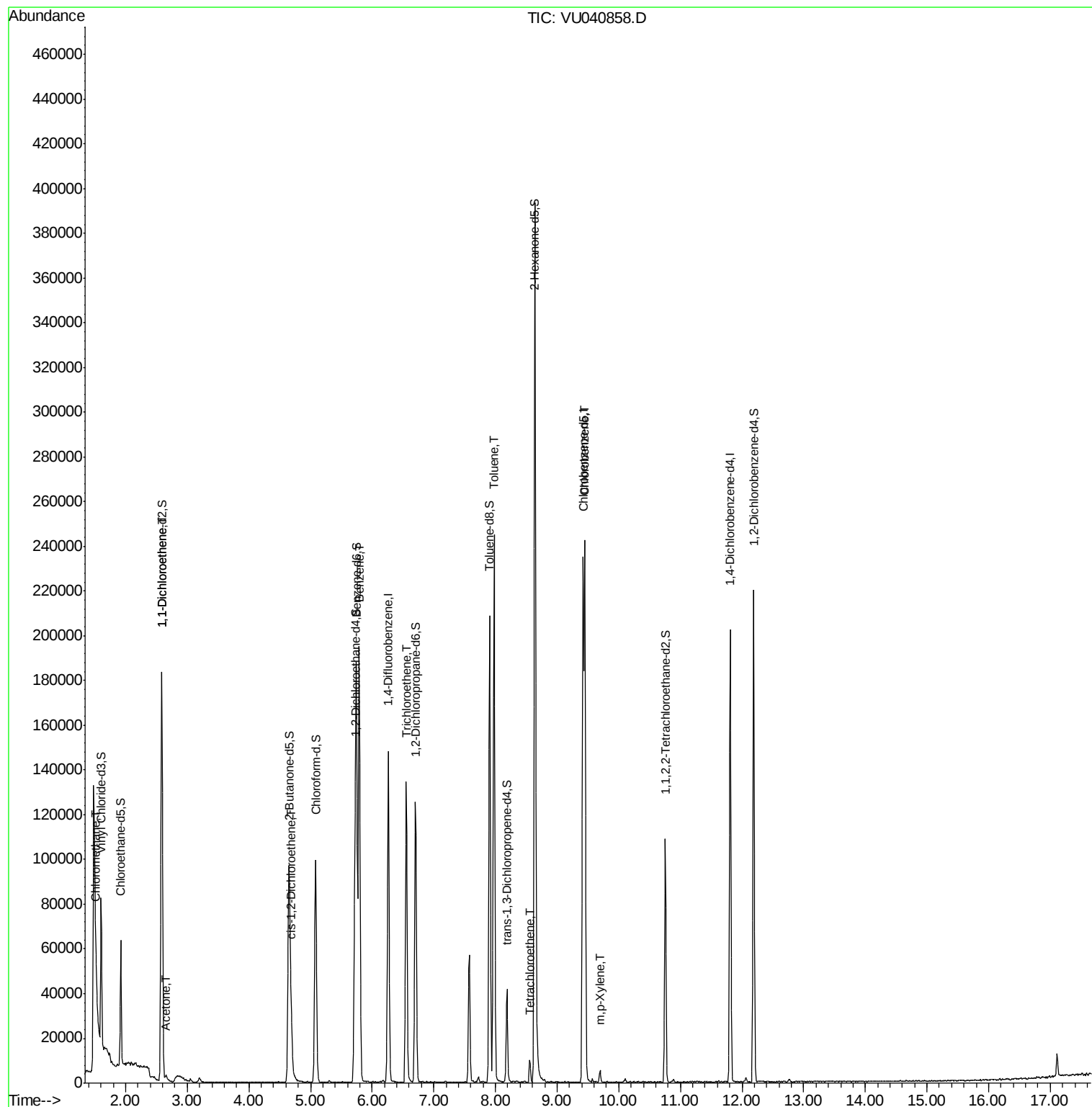
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	3272	0.348	ug/L #	78
12) 1,1-Dichloroethene	2.59	96	35658	4.500	ug/L #	82
13) Acetone	2.66	43	4307	1.887	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	4619	0.516	ug/L	87
33) Benzene	5.79	78	172331	4.523	ug/L	100
34) Trichloroethene	6.56	95	43709	4.426	ug/L	95
42) Toluene	7.98	91	165990	4.275	ug/L	98
47) Tetrachloroethene	8.56	164	1998	0.284	ug/L	93
51) Chlorobenzene	9.45	112	117139	4.580	ug/L	99
53) m,p-Xylene	9.69	106	1625	0.106	ug/L	97

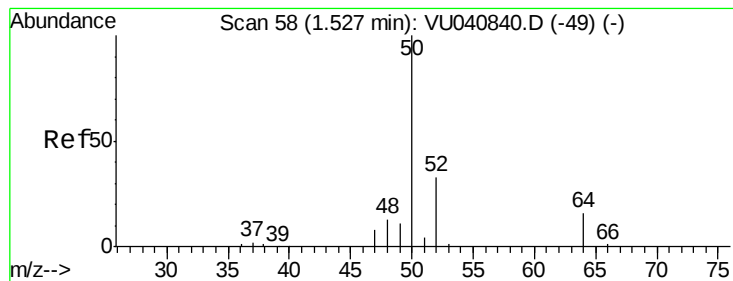
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.348 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

Instrument :

MSVOA_U

ClientSampleId :

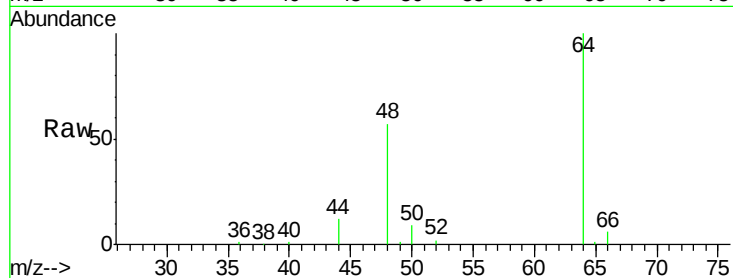
ETZ50MS

Tot Ion: 50 Resp: 3272

Ion Ratio Lower Upper

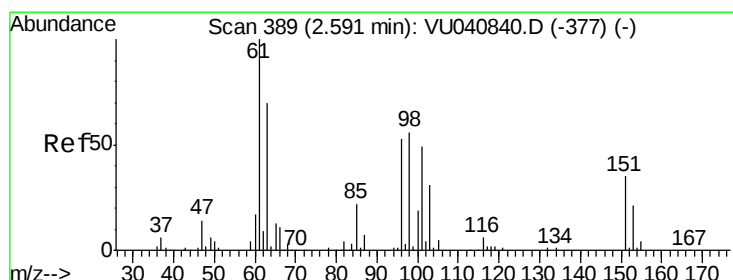
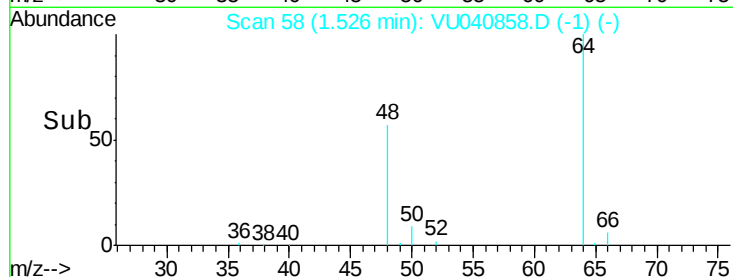
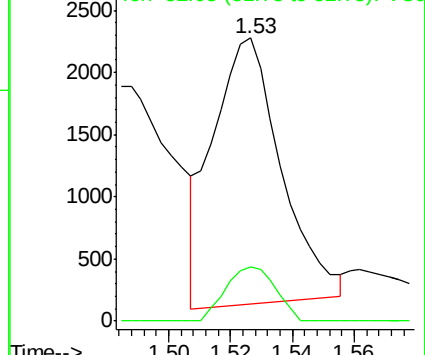
50 100

52 19.1 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#12

1,1-Dichloroethene

Concen: 4.500 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

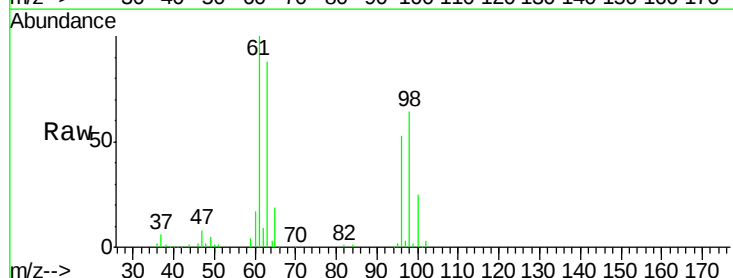
Tgt Ion: 96 Resp: 35658

Ion Ratio Lower Upper

96 100

61 187.9 128.8 239.2

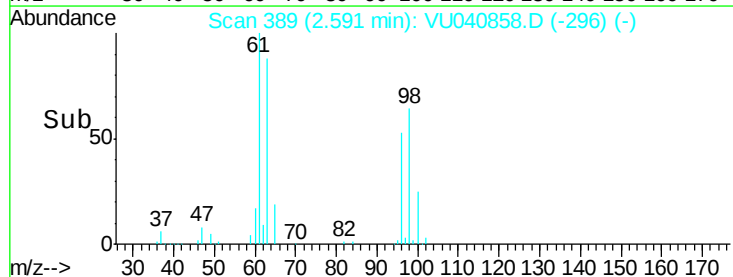
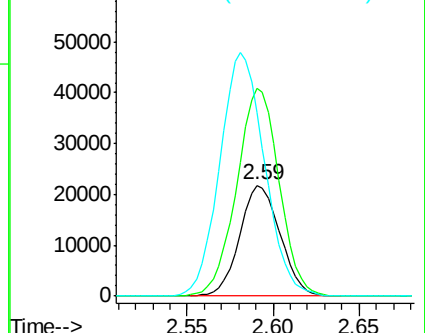
63 166.0 84.6 157.2#

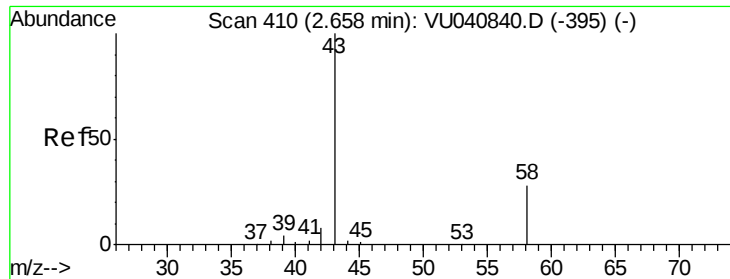


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.887 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

Instrument :

MSVOA_U

ClientSampleId :

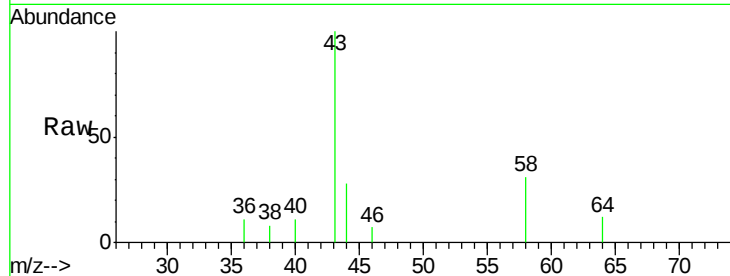
ETZ50MS

Tot Ion: 43 Resp: 4307

Ion Ratio Lower Upper

43 100

58 31.4 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040858.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU040858.D (-317) (-)

2.66

1500

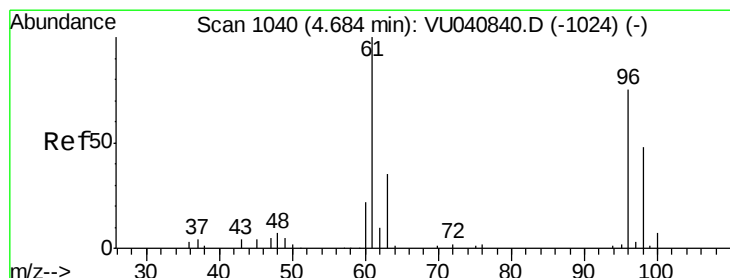
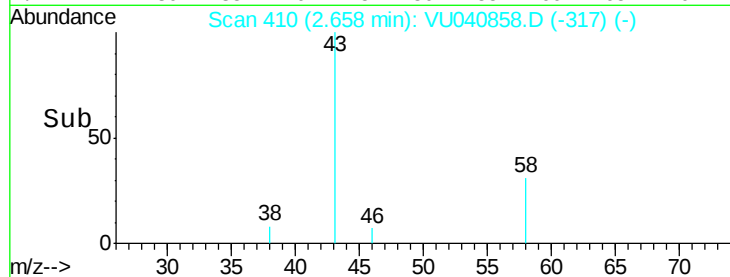
1000

500

0

Time-->

2.60 2.65 2.70 2.75



#22

cis-1,2-Dichloroethene

Concen: 0.516 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

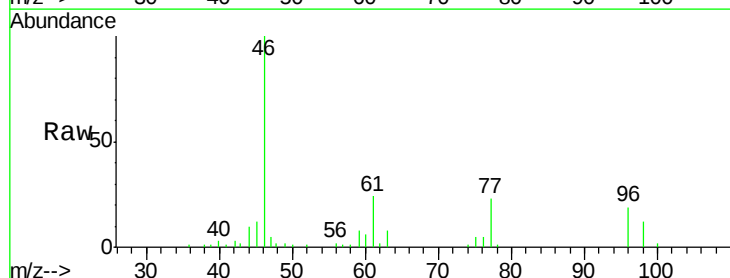
Tgt Ion: 96 Resp: 4619

Ion Ratio Lower Upper

96 100

61 127.0 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040858.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040858.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040858.D (-947) (-)

4000

3000

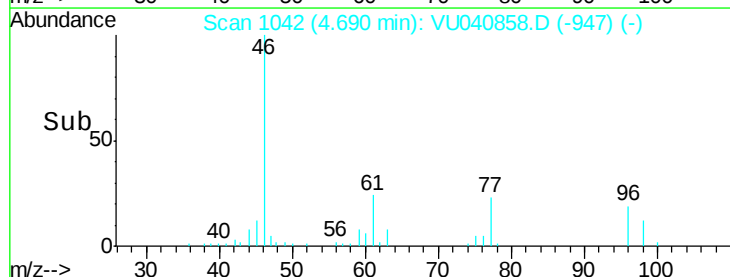
2000

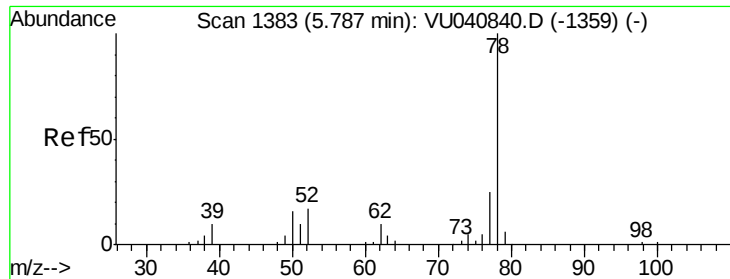
1000

0

Time-->

4.65 4.70 4.75





#33

Benzene

Concen: 4.523 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

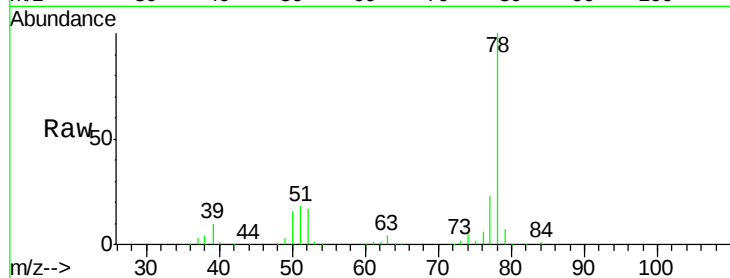
Instrument :

MSVOA_U

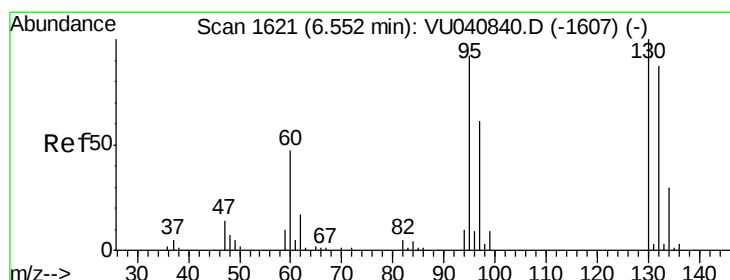
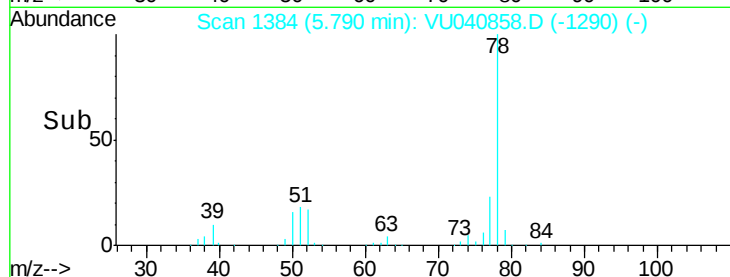
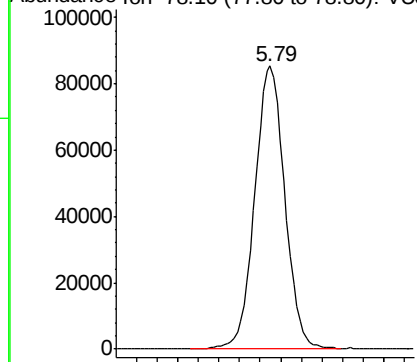
ClientSampleId :

ETZ50MS

Tgt Ion: 78 Resp: 172331



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.426 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

Tgt Ion: 95 Resp: 43709

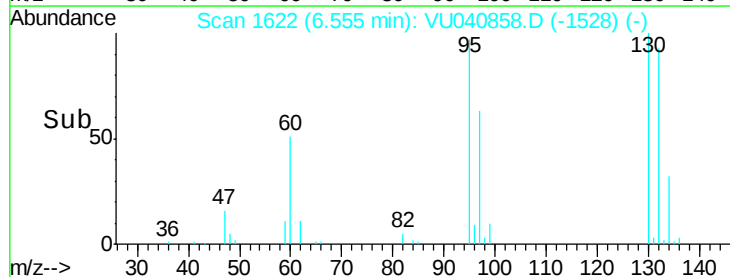
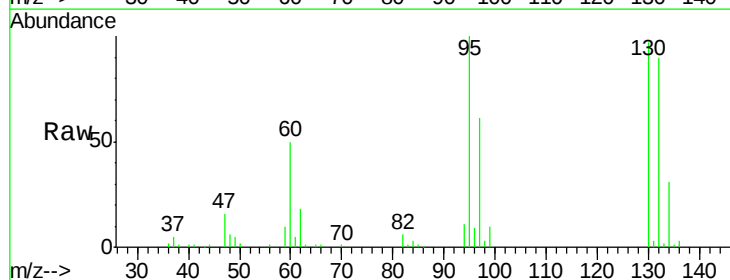
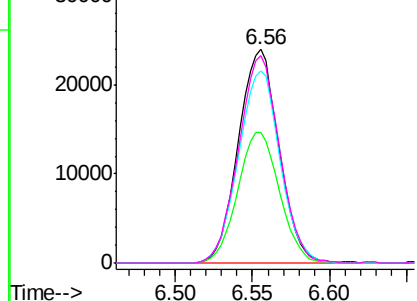
Ion	Ratio	Lower	Upper
95	100		
97	61.2	45.5	84.5
132	90.1	67.5	125.4
130	97.2	69.9	129.9

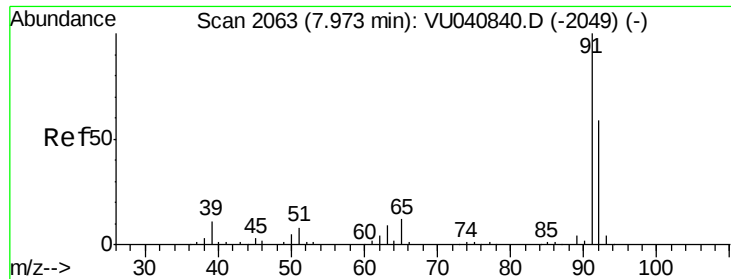
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 4.275 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

Instrument :

MSVOA_U

ClientSampled :

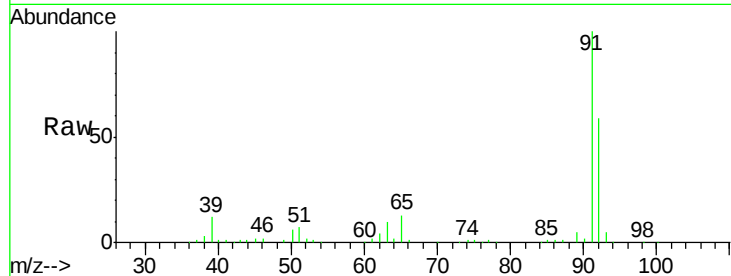
ETZ50MS

Tot Ion: 91 Resp: 165990

Ion Ratio Lower Upper

91 100

92 58.6 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040840.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040840.D (-2049) (-)

7.98

100000

80000

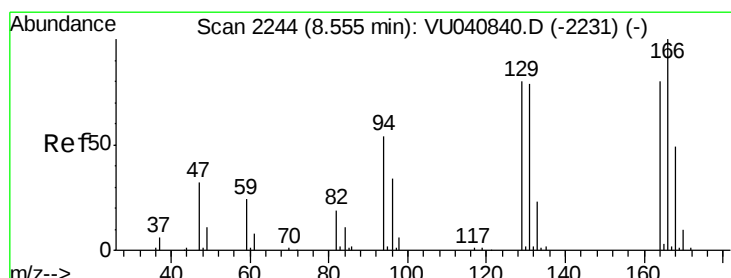
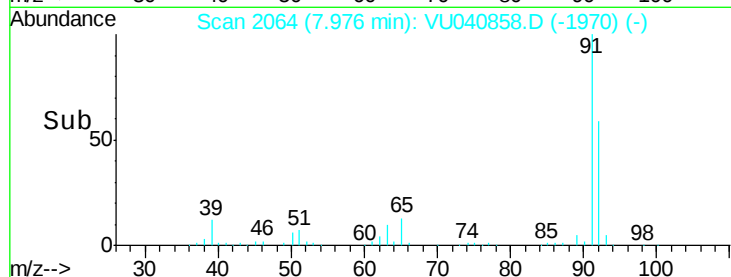
60000

40000

20000

0

Time-->



#47

Tetrachloroethene

Concen: 0.284 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

Tgt Ion: 164 Resp: 1998

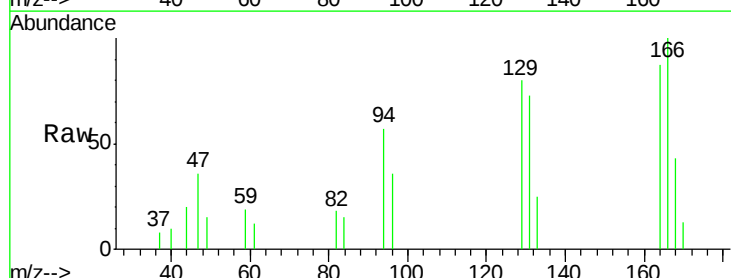
Ion Ratio Lower Upper

164 100

129 92.9 68.8 127.8

131 84.0 66.7 123.9

166 115.6 83.9 155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040840.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU040840.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU040840.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU040840.D (-2231) (-)

2500

2000

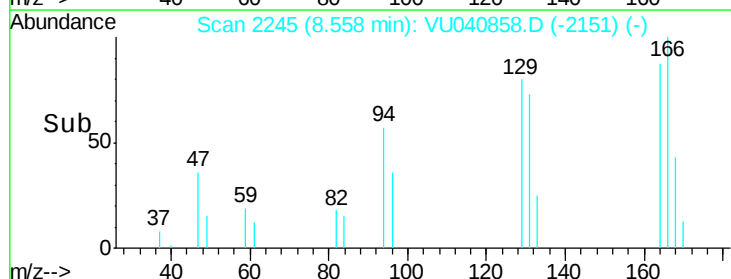
1500

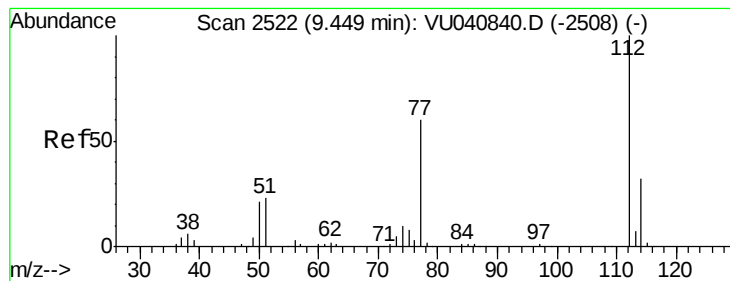
1000

500

0

Time-->





#51

Chlorobenzene

Concen: 4.580 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040858.D

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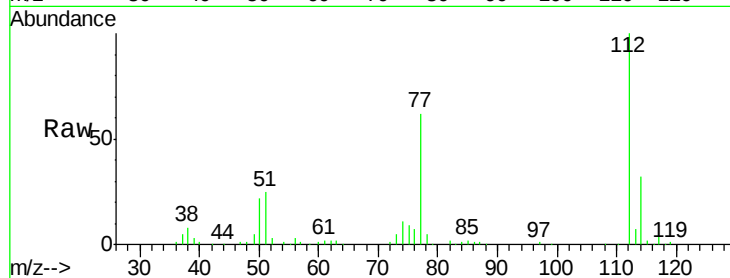
Tot Ion:112 Resp: 117139

Ion Ratio Lower Upper

112 100

114 32.4 23.1 42.9

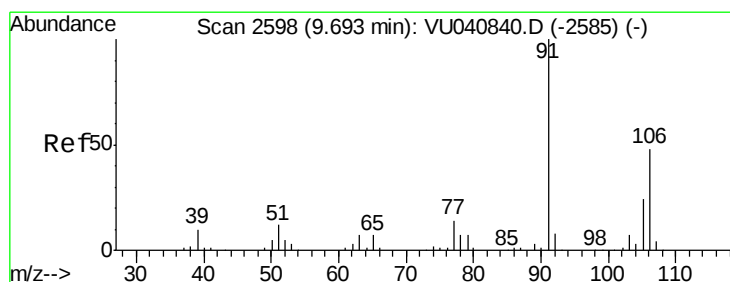
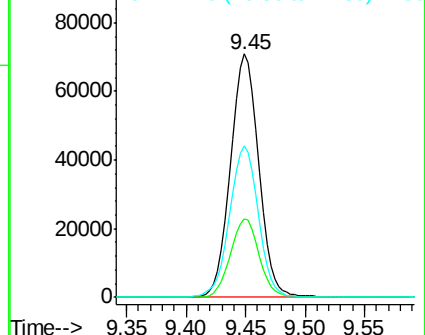
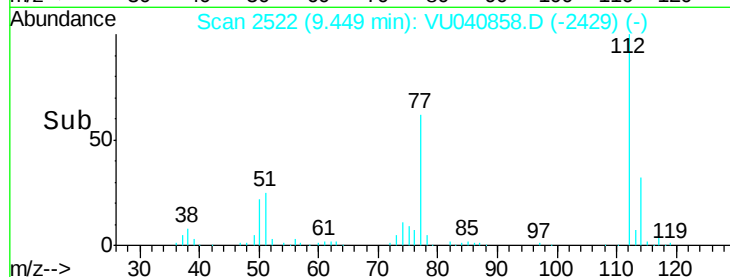
77 62.0 50.3 75.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



#53

m,p-Xylene

Concen: 0.106 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU040858.D

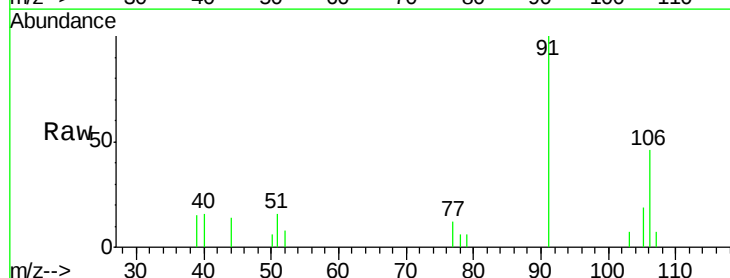
Acq: 20 Oct 2020 19:29

Tgt Ion:106 Resp: 1625

Ion Ratio Lower Upper

106 100

91 217.1 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

