

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
 Data File : VU039606.D
 Acq On : 21 Jul 2020 18:52
 Operator : SY/MD
 Sample : L3347-09MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAY02MS

Quant Time: Jul 22 03:23:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	109789	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	102982	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47769	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31893	6.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.20%
7) Chloroethane-d5	1.92	69	36104	6.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	129.80%
11) 1,1-Dichloroethene-d2	2.58	63	68537	5.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	119.60%
20) 2-Butanone-d5	4.66	46	121518	52.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.74%
24) Chloroform-d	5.09	84	66443	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.72	65	43059	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.75	84	131346	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.71	67	43004	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.91	98	120311	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
43) trans-1,3-Dichloropropene-	8.19	79	16646	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.64	63	87692	50.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.24%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	36329	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	44069	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

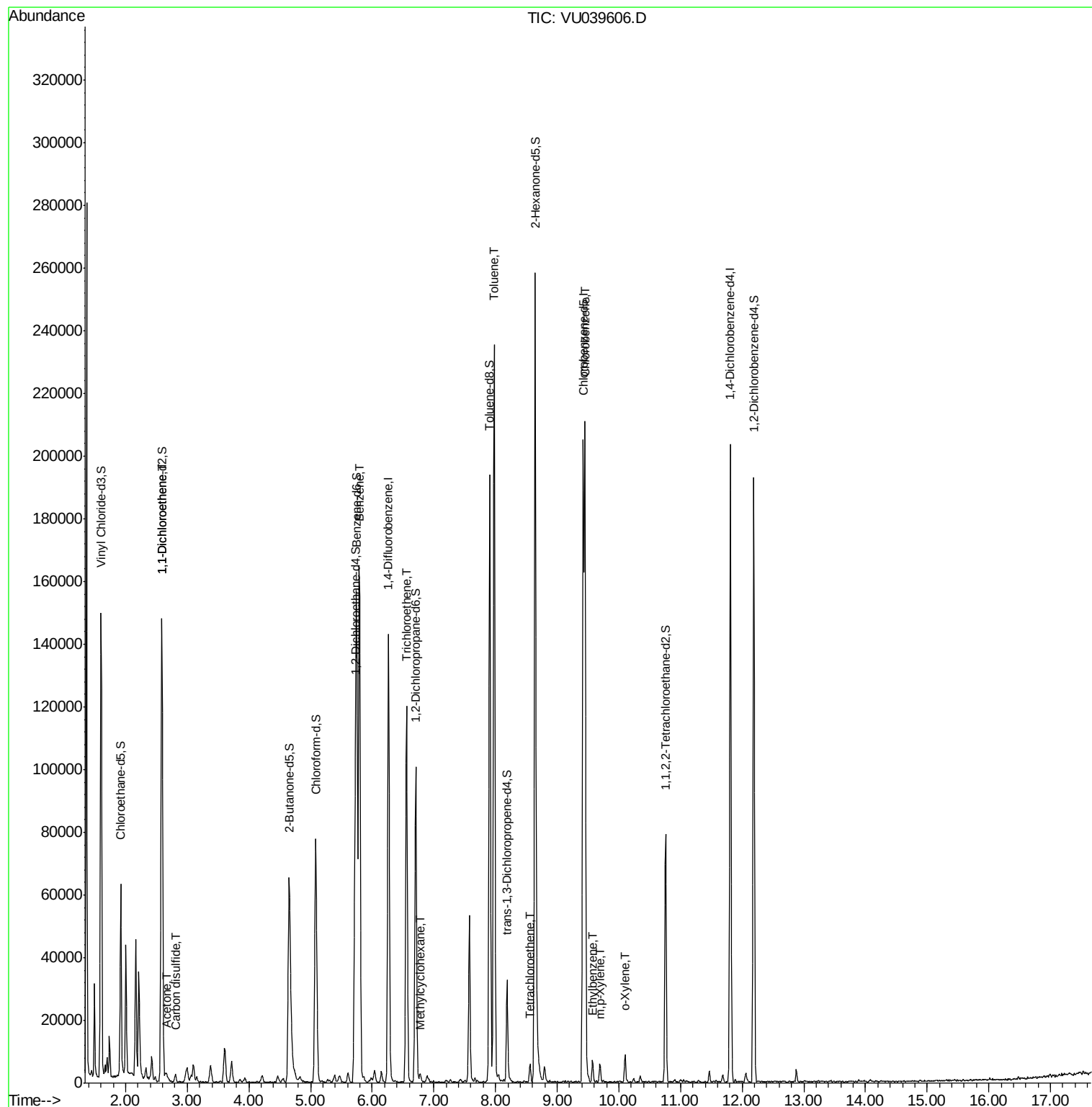
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.59	96	29440	5.670	ug/L	95
13) Acetone	2.66	43	4480	3.502	ug/L	85
14) Carbon disulfide	2.81	76	2988	0.191	ug/L	97
33) Benzene	5.79	78	147018	5.941	ug/L	100
34) Trichloroethene	6.56	95	38292	5.619	ug/L	97
35) Methylcyclohexane	6.77	83	1165	0.116	ug/L #	68
42) Toluene	7.98	91	164479	6.071	ug/L	98
47) Tetrachloroethene	8.56	164	1274	0.273	ug/L #	81
51) Chlorobenzene	9.45	112	97530	5.625	ug/L	97
52) Ethylbenzene	9.57	91	5298	0.172	ug/L	88
53) m,p-Xylene	9.70	106	1696	0.147	ug/L	72
54) o-Xylene	10.11	106	2257	0.201	ug/L	97

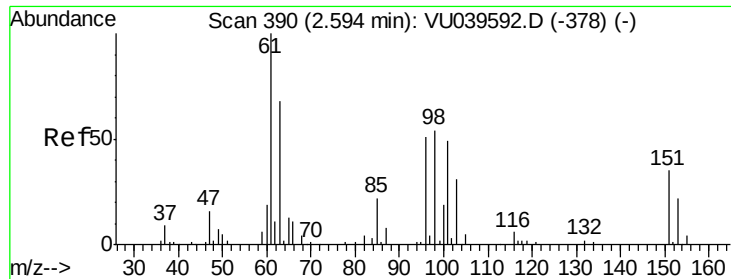
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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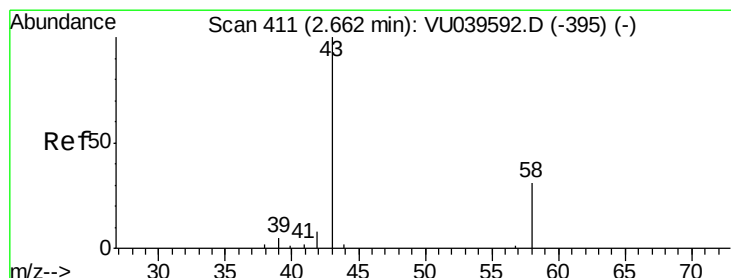
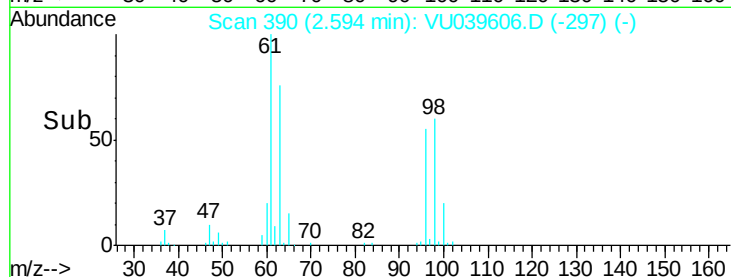
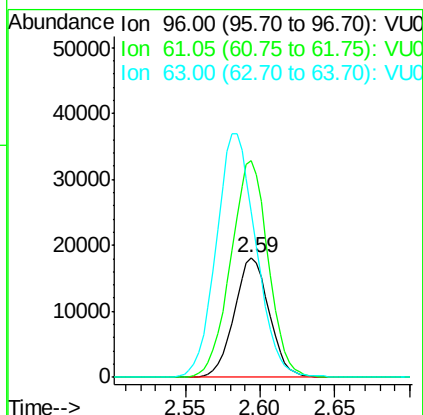
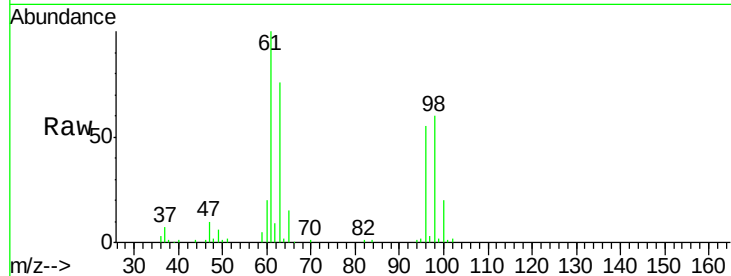




#12
 1,1-Dichloroethene
 Concen: 5.670 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU039606.D
 Acq: 21 Jul 2020 18:52

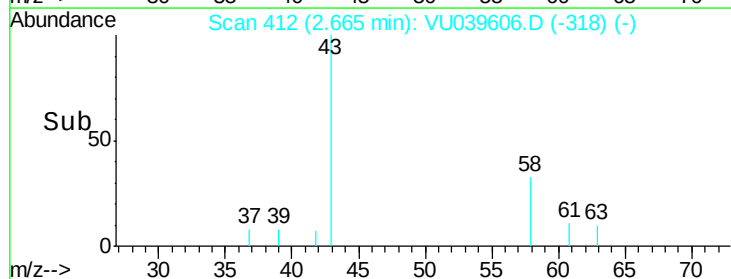
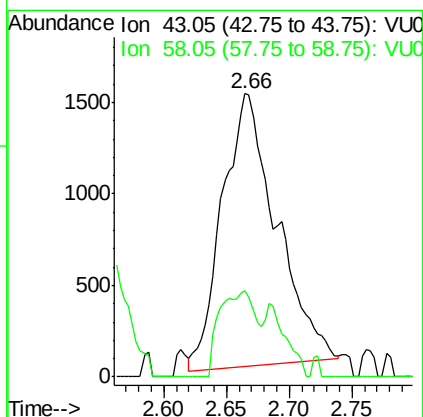
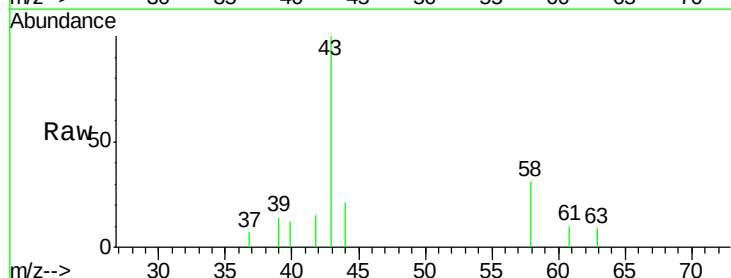
Instrument :
 MSVOA_U
 ClientSampleId :
 GAY02MS

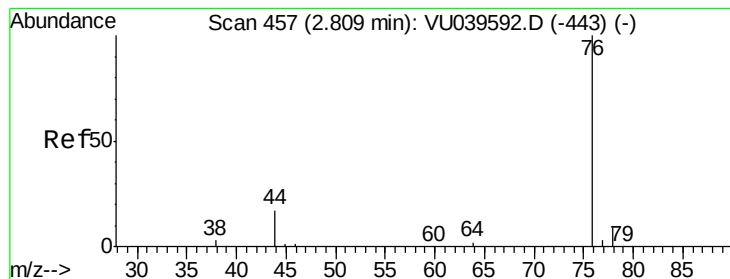
Tgt Ion: 96 Resp: 29440
 Ion Ratio Lower Upper
 96 100
 61 181.2 129.1 239.7
 63 138.3 89.7 166.7



#13
 Acetone
 Concen: 3.502 ug/L
 RT: 2.66 min Scan# 412
 Delta R.T. 0.00 min
 Lab File: VU039606.D
 Acq: 21 Jul 2020 18:52

Tgt Ion: 43 Resp: 4480
 Ion Ratio Lower Upper
 43 100
 58 21.3 0.0 59.0





#14

Carbon disulfide

Concen: 0.191 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039606.D

Acq: 21 Jul 2020 18:52

Instrument :

MSVOA_U

ClientSampleId :

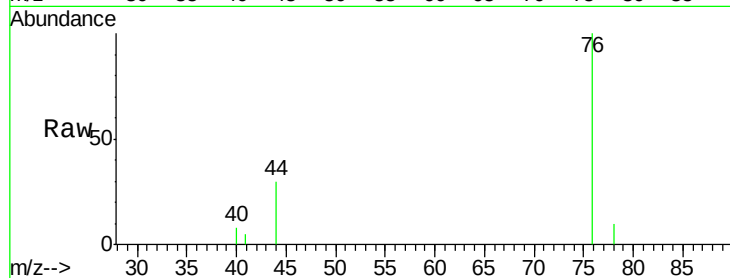
GAY02MS

Tgt Ion: 76 Resp: 2988

Ion Ratio Lower Upper

76 100

78 10.1 7.2 10.8



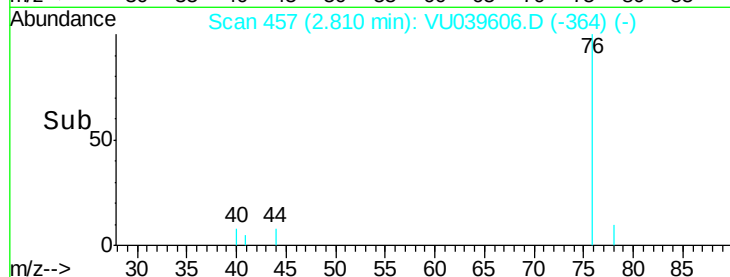
Abundance Ion 76.05 (75.75 to 76.75): VU039592.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039592.D (-443) (-)

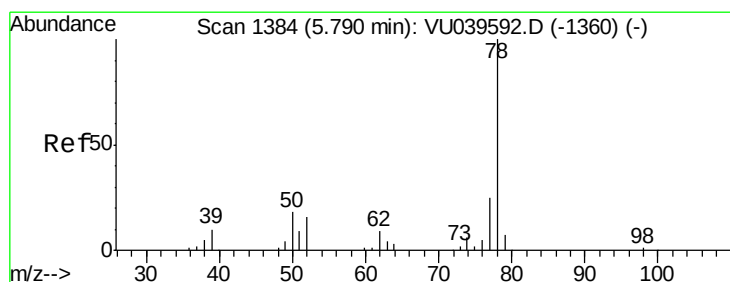
2.81

2.80

2.85



Time-->



#33

Benzene

Concen: 5.941 ug/L

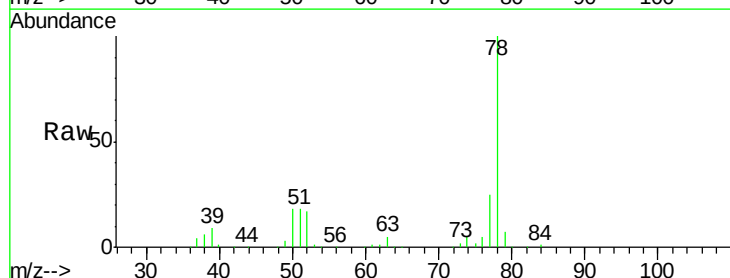
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039606.D

Acq: 21 Jul 2020 18:52

Tgt Ion: 78 Resp: 147018



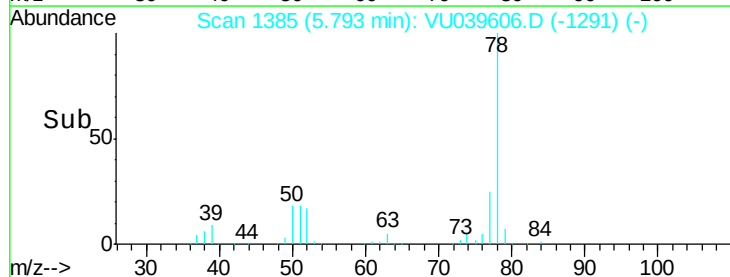
Abundance Ion 78.10 (77.80 to 78.80): VU039592.D (-1360) (-)

5.79

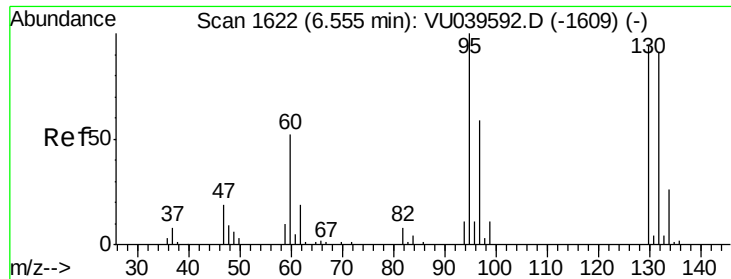
5.70

5.80

5.90



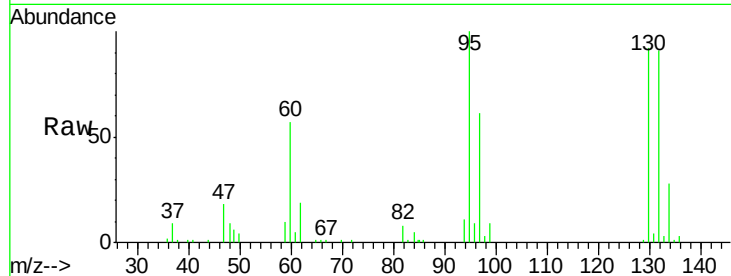
Time-->



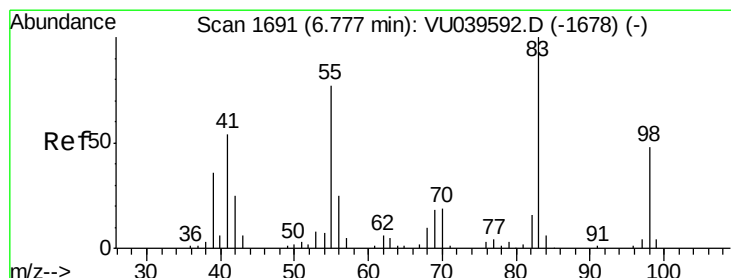
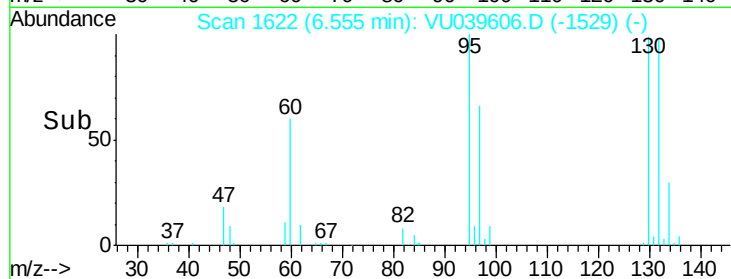
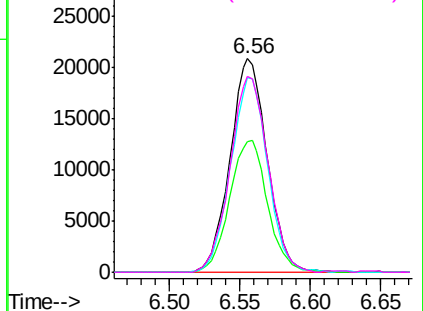
#34
 Trichloroethene
 Concen: 5.619 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039606.D
 Acq: 21 Jul 2020 18:52

Instrument :
 MSVOA_U
 ClientSampleId :
 GAY02MS

Tgt Ion:	95	Resp:	38292
Ion	Ratio	Lower	Upper
95	100		
97	61.3	44.9	83.3
132	90.8	62.8	116.6
130	91.9	61.5	114.1

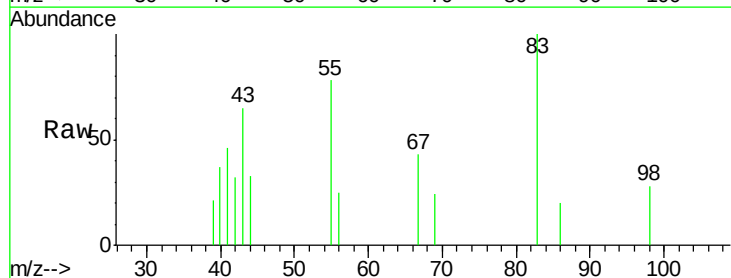


Abundance Ion 95.00 (94.70 to 95.70): VU039592.D (-1609) (-)
 Ion 96.95 (96.65 to 97.65): VU039592.D (-1609) (-)
 Ion 131.95 (131.65 to 132.65): VU039592.D (-1609) (-)
 Ion 129.95 (129.65 to 130.65): VU039592.D (-1609) (-)

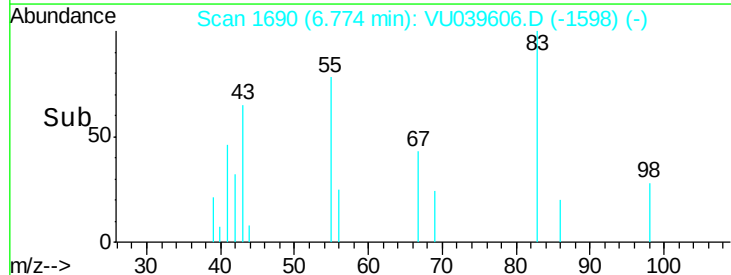
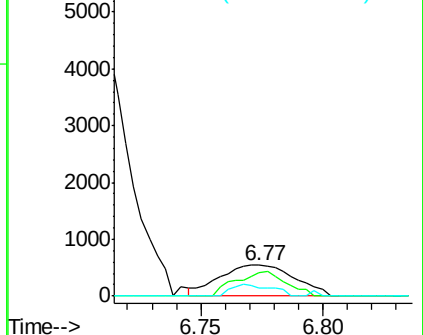


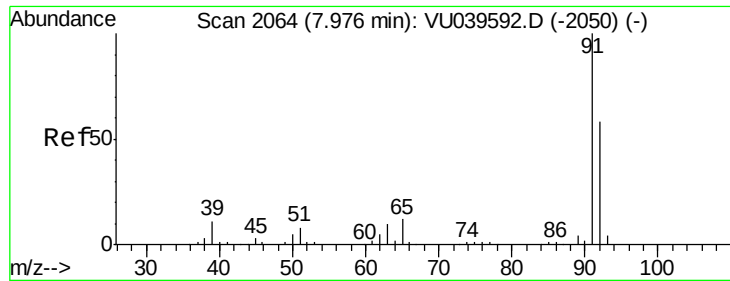
#35
 Methylcyclohexane
 Concen: 0.116 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039606.D
 Acq: 21 Jul 2020 18:52

Tgt Ion:	83	Resp:	1165
Ion	Ratio	Lower	Upper
83	100		
55	53.1	63.0	94.6#
98	20.7	35.3	52.9#



Abundance Ion 83.15 (82.85 to 83.85): VU039592.D (-1678) (-)
 Ion 55.10 (54.80 to 55.80): VU039592.D (-1678) (-)
 Ion 98.15 (97.85 to 98.85): VU039592.D (-1678) (-)





#42

Toluene

Concen: 6.071 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039606.D

Acq: 21 Jul 2020 18:52

Instrument :

MSVOA_U

ClientSampleId :

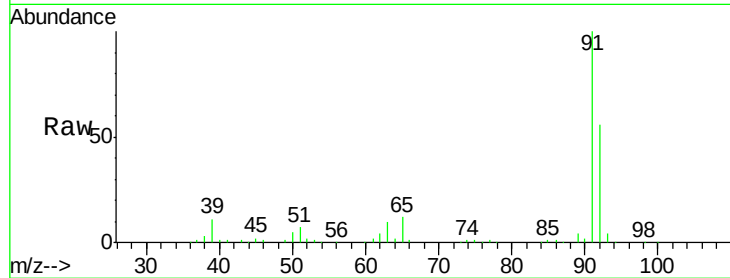
GAY02MS

Tgt Ion: 91 Resp: 164479

Ion Ratio Lower Upper

91 100

92 56.5 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

100000

80000

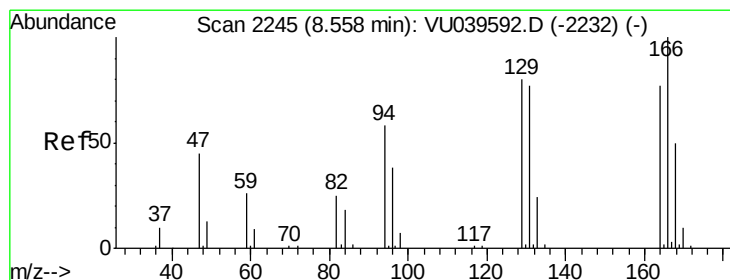
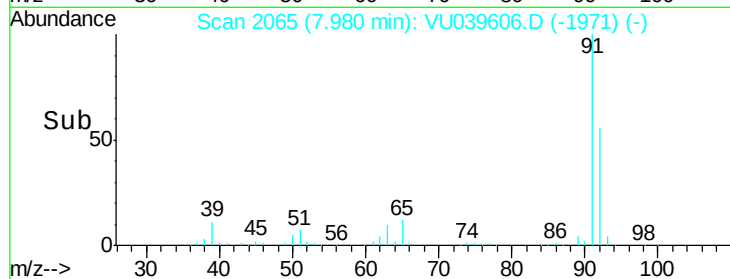
60000

40000

20000

0

Time-->



#47

Tetrachloroethene

Concen: 0.273 ug/L

RT: 8.56 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VU039606.D

Acq: 21 Jul 2020 18:52

Tgt Ion: 164 Resp: 1274

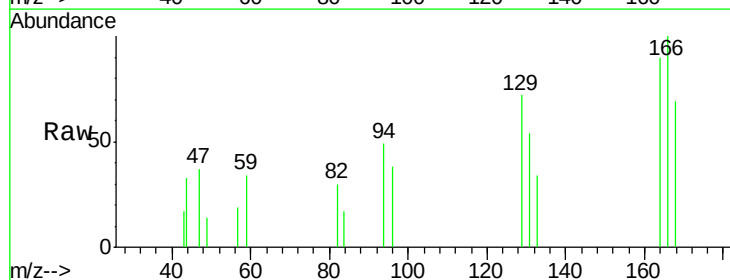
Ion Ratio Lower Upper

164 100

129 79.6 67.9 126.1

131 59.7 64.7 120.1#

166 111.1 85.1 158.1



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

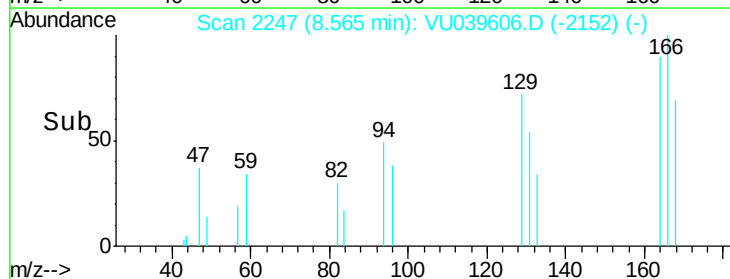
1500

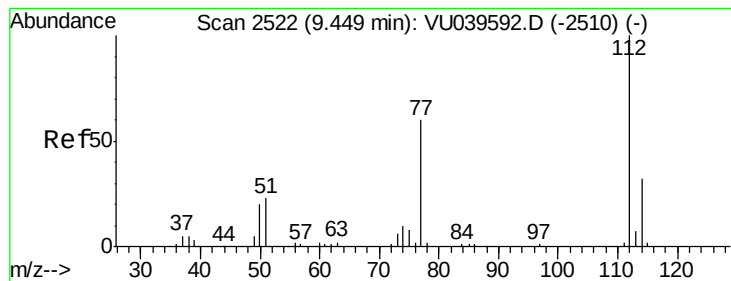
1000

500

0

Time-->





#51

Chlorobenzene

Concen: 5.625 ug/L

RT: 9.45 min Scan# 2523

Delta R.T. 0.00 min

Lab File: VU039606.D

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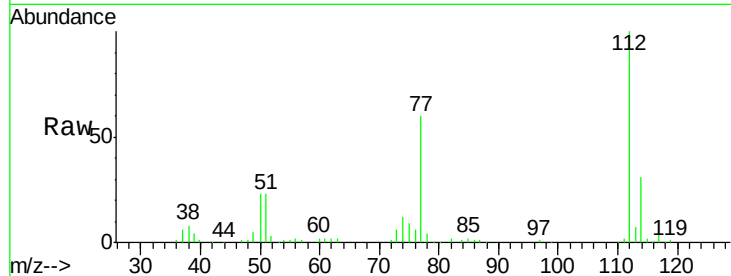
Tgt Ion: 112 Resp: 97530

Ion Ratio Lower Upper

112 100

114 31.0 22.9 42.5

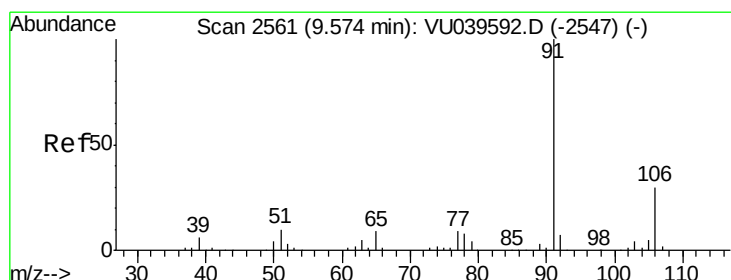
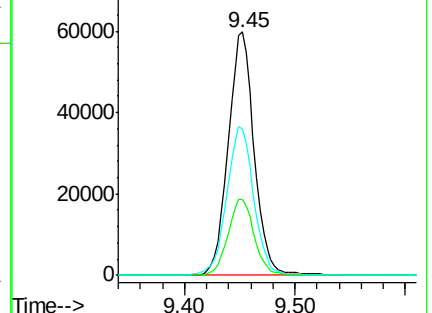
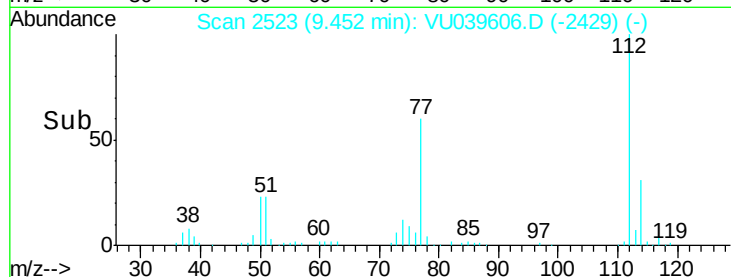
77 60.3 50.0 75.0



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): V



#52

Ethylbenzene

Concen: 0.172 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039606.D

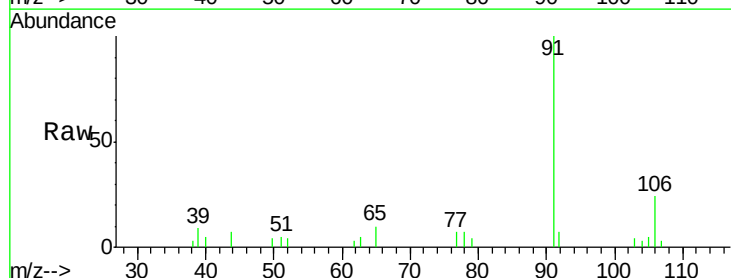
Acq: 21 Jul 2020 18:52

Tgt Ion: 91 Resp: 5298

Ion Ratio Lower Upper

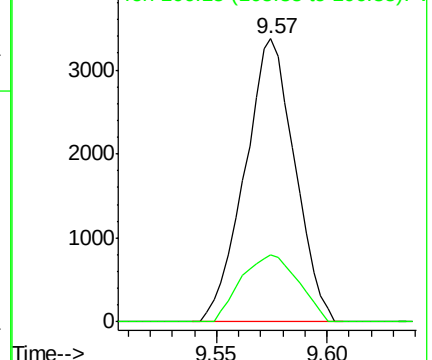
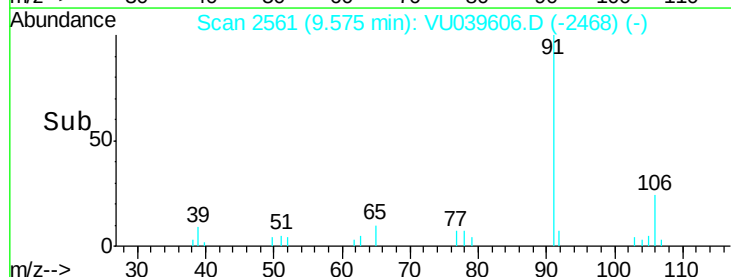
91 100

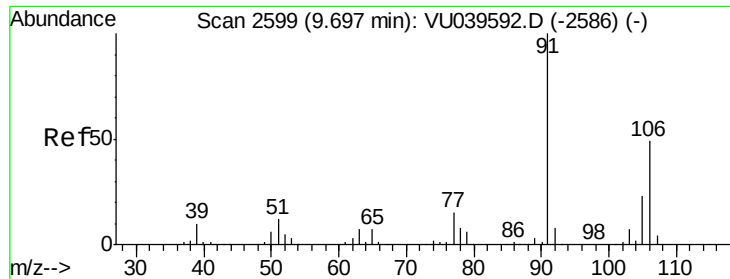
106 23.8 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.147 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039606.D

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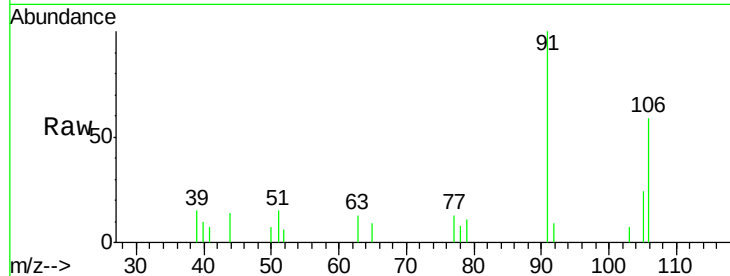
GAY02MS

Tgt Ion:106 Resp: 1696

Ion Ratio Lower Upper

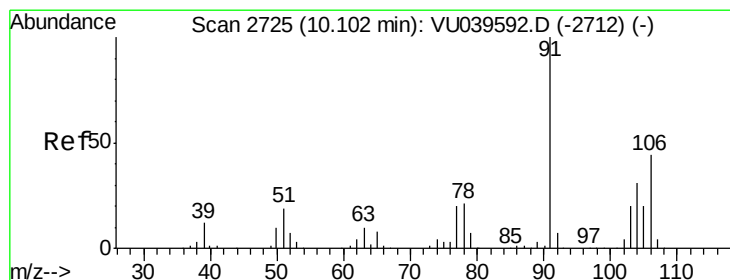
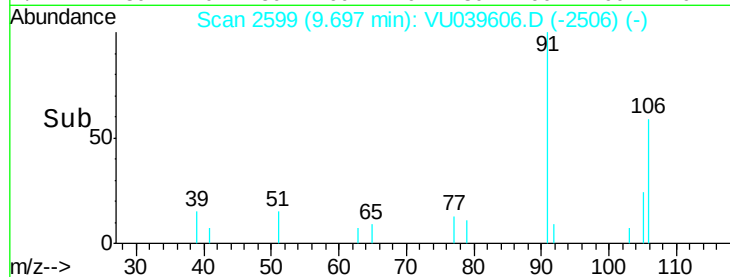
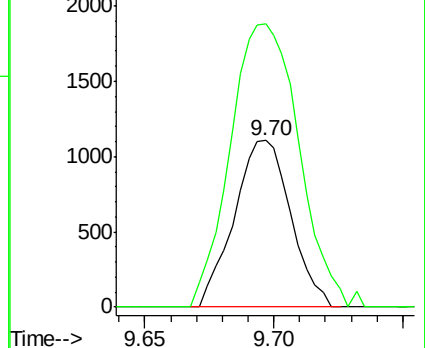
106 100

91 169.7 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.201 ug/L

RT: 10.11 min Scan# 2727

Delta R.T. 0.01 min

Lab File: VU039606.D

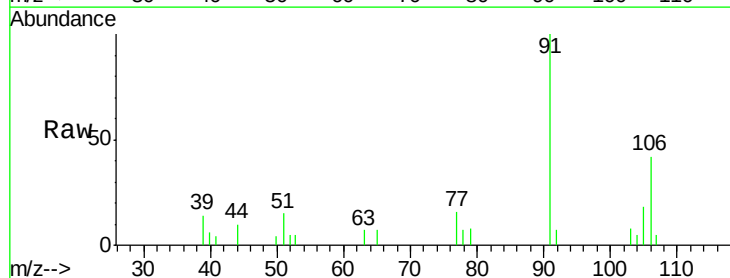
Acq: 21 Jul 2020 18:52

Tgt Ion:106 Resp: 2257

Ion Ratio Lower Upper

106 100

91 229.9 157.4 292.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

