

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052820\
 Data File : VU038360.D
 Acq On : 28 May 2020 20:41
 Operator : JC/MD
 Sample : L2756-06MSD 200X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETKW8MSD

Quant Time: May 29 08:50:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 29 04:31:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	612733	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	593602	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	278473	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	194677	50.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.22%
7) Chloroethane-d5	1.93	69	160566	54.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.06%
11) 1,1-Dichloroethene-d2	2.59	63	397620	50.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.16%
21) 2-Butanone-d5	4.66	46	400302	109.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.53%
24) Chloroform-d	5.10	84	380396	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.72%
26) 1,2-Dichloroethane-d4	5.74	65	267063	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.18%
32) Benzene-d6	5.76	84	802018	52.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.72	67	251414	52.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.16%
41) Toluene-d8	7.92	98	691509	50.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.44%
43) trans-1,3-Dichloropropene-	8.20	79	120590	50.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.32%
47) 2-Hexanone-d5	8.65	63	289574	115.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.03%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	348135	49.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	269542	52.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.44%

Target Compounds

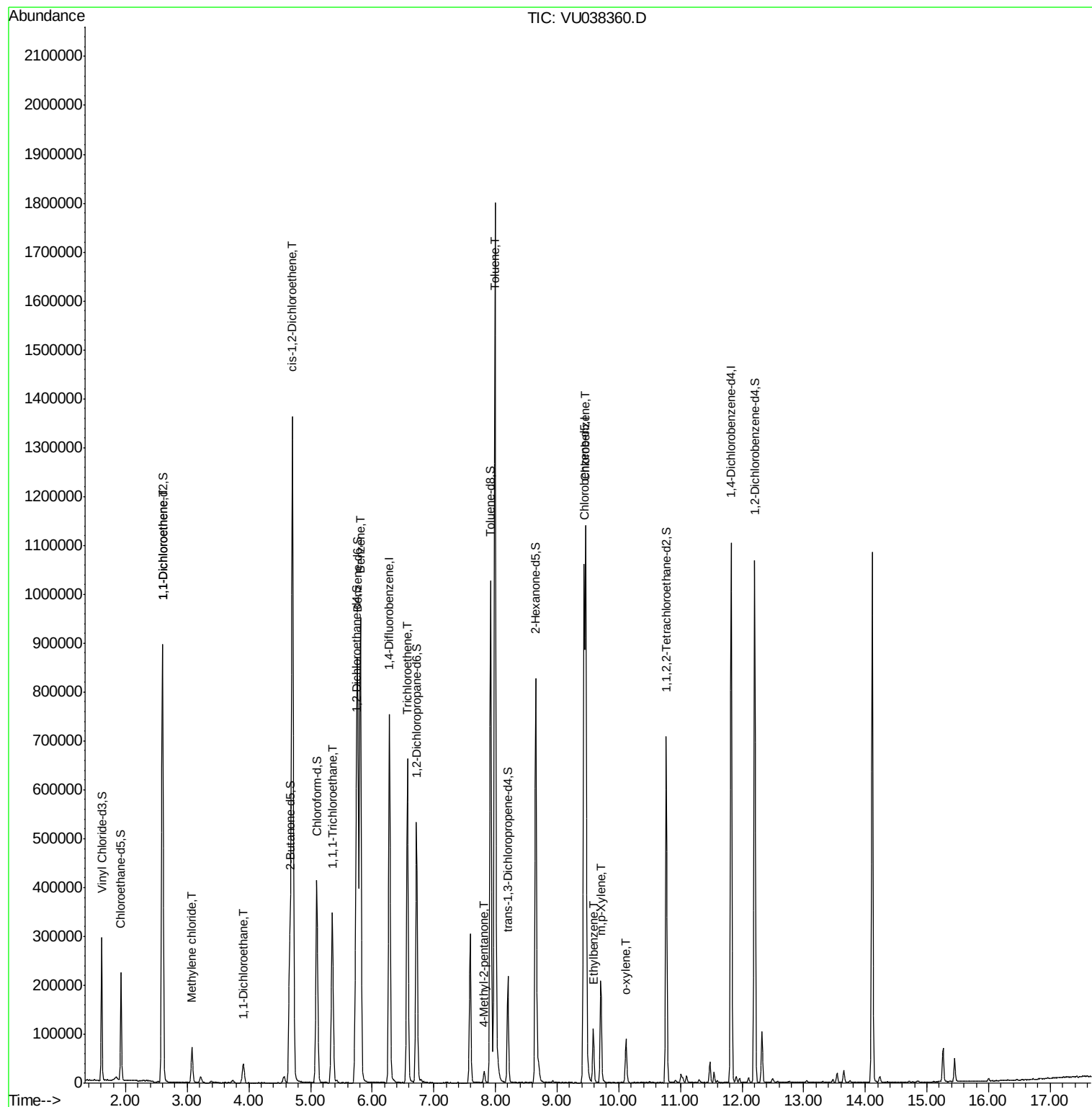
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.60	96	196131	52.79	ug/L	94
16) Methylene chloride	3.08	84	32692	7.66	ug/L	98
19) 1,1-Dichloroethane	3.91	63	44173	5.85	ug/L	95
20) cis-1,2-Dichloroethene	4.71	96	693485	158.64	ug/L	96
30) 1,1,1-Trichloroethane	5.35	97	253368	39.25	ug/L	99
33) Benzene	5.81	78	902509	54.13	ug/L	100
34) Trichloroethene	6.57	95	221828	52.00	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	14632	2.13	ug/L	97
42) Toluene	7.99	91	1362915	77.87	ug/L	100
51) Chlorobenzene	9.47	112	587572	52.23	ug/L	100
52) Ethylbenzene	9.59	91	81248	4.14	ug/L	99
53) m,p-Xylene	9.71	106	62274	8.30	ug/L	96
54) o-xylene	10.12	106	23032	3.16	ug/L	95

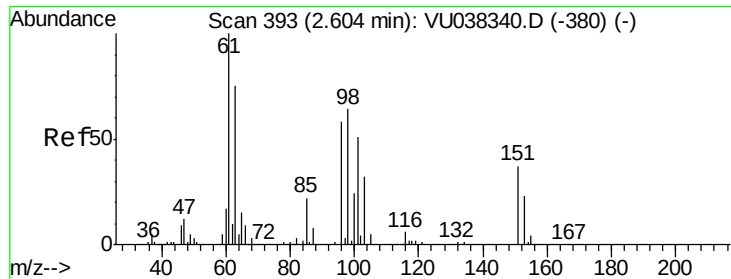
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 29 04:31:03 2020
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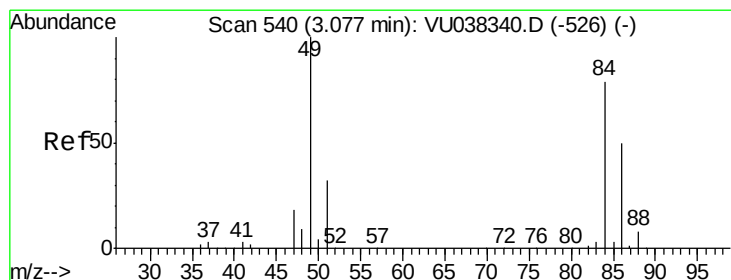
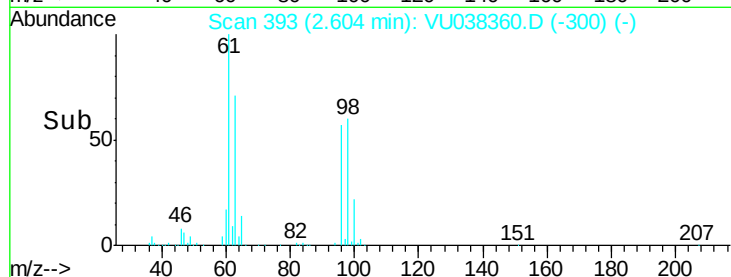
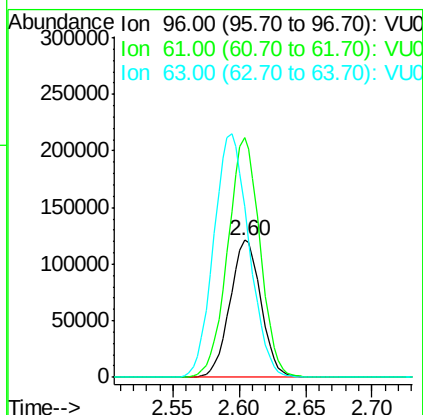
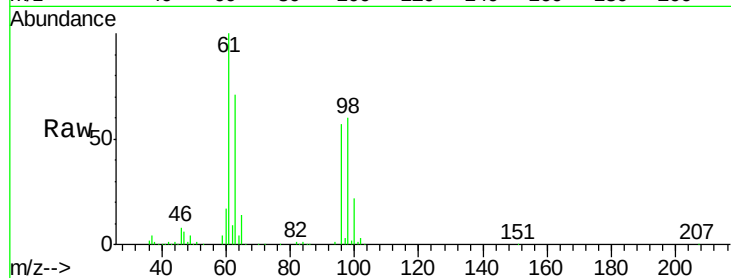




#12
 1,1-Dichloroethene
 Concen: 52.79 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU038360.D
 Acq: 28 May 2020 20:41

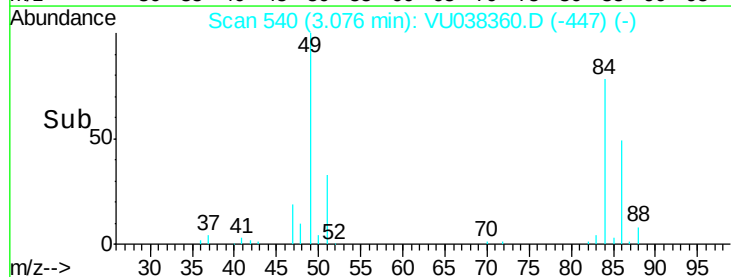
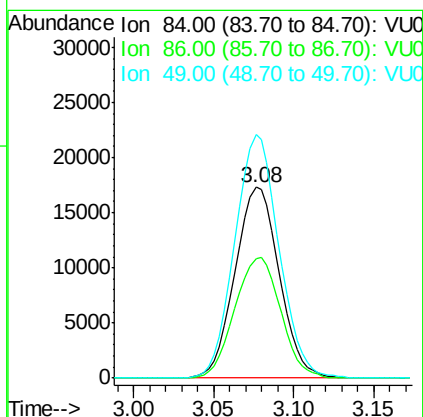
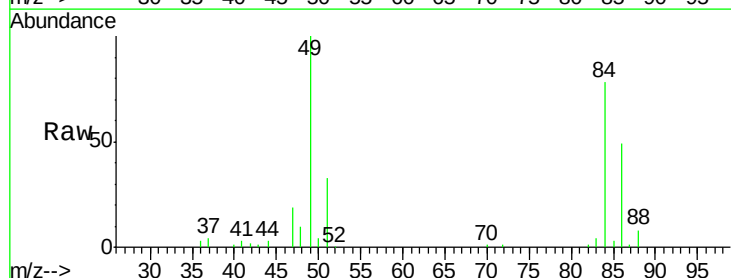
Instrument :
 MSVOA_U
 ClientSampleId :
 ETKW8MSD

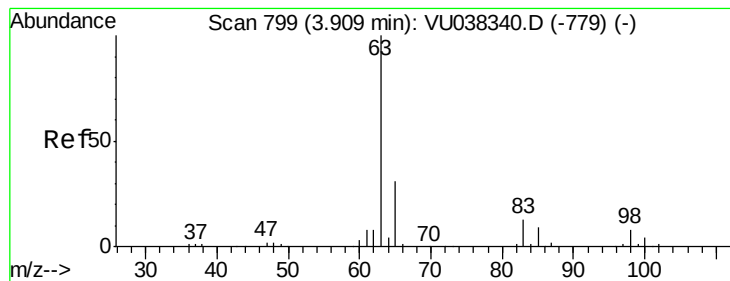
Tgt Ion: 96 Resp: 196131
 Ion Ratio Lower Upper
 96 100
 61 175.1 123.5 229.3
 63 124.8 76.6 142.2



#16
 Methylene chloride
 Concen: 7.66 ug/L
 RT: 3.08 min Scan# 540
 Delta R.T. -0.00 min
 Lab File: VU038360.D
 Acq: 28 May 2020 20:41

Tgt Ion: 84 Resp: 32692
 Ion Ratio Lower Upper
 84 100
 86 62.7 46.1 85.7
 49 127.5 90.0 167.2





#19

1,1-Dichloroethane

Concen: 5.85 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038360.D

Acq: 28 May 2020 20:41

Instrument :

MSVOA_U

ClientSampleId :

ETKW8MSD

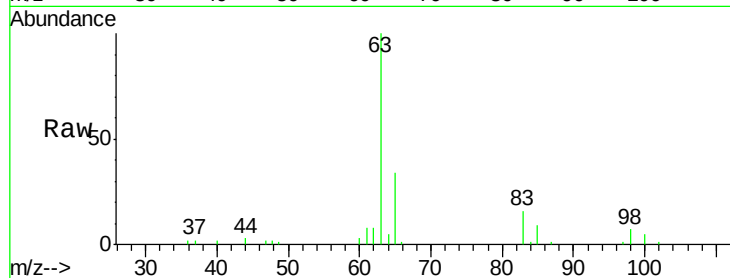
Tgt Ion: 63 Resp: 44173

Ion Ratio Lower Upper

63 100

65 34.1 22.2 41.2

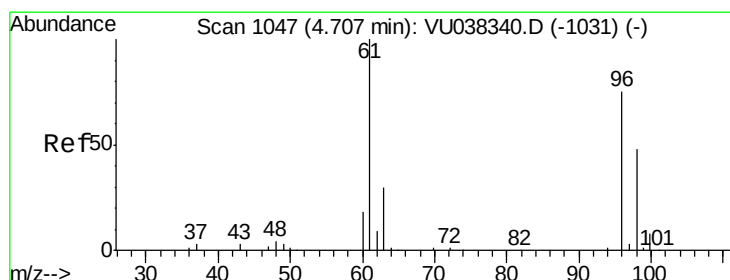
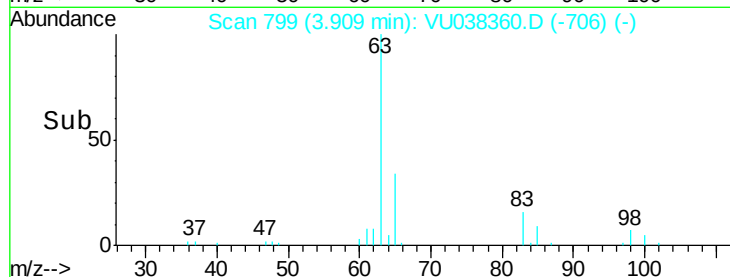
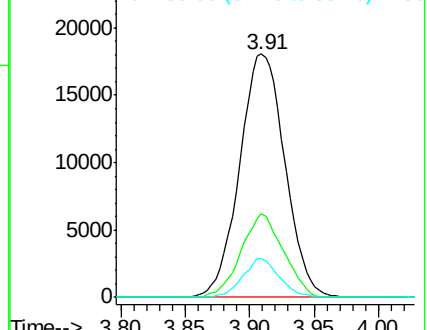
83 16.1 9.4 17.4



Abundance Ion 63.00 (62.70 to 63.70): VU038340.D (-779) (-)

Ion 65.00 (64.70 to 65.70): VU038340.D (-779) (-)

Ion 83.00 (82.70 to 83.70): VU038340.D (-779) (-)



#20

cis-1,2-Dichloroethene

Concen: 158.64 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038360.D

Acq: 28 May 2020 20:41

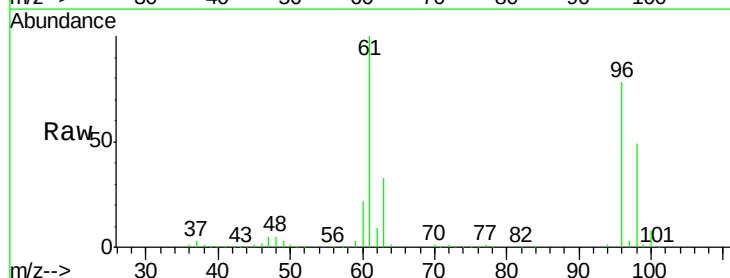
Tgt Ion: 96 Resp: 693485

Ion Ratio Lower Upper

96 100

61 128.8 93.4 173.4

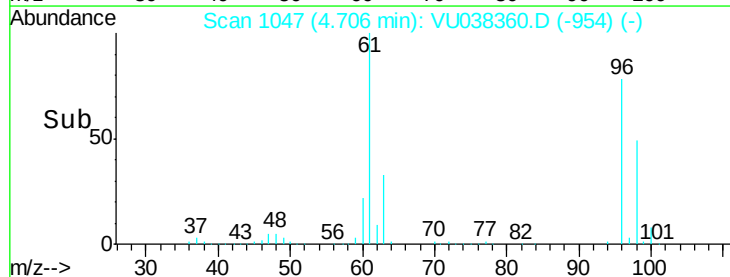
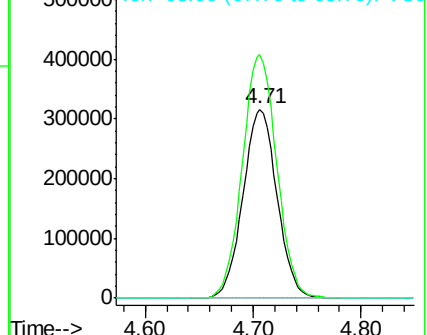
68 0.0 0.0 0.0

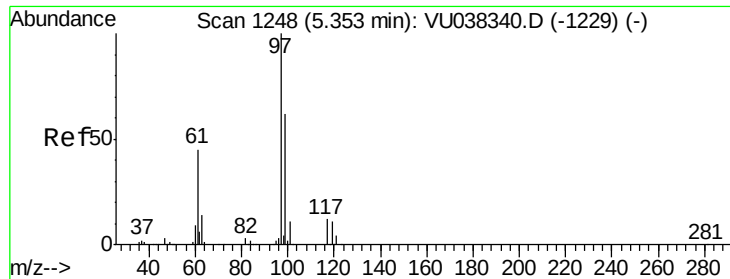


Abundance Ion 96.00 (95.70 to 96.70): VU038340.D (-1031) (-)

Ion 61.00 (60.70 to 61.70): VU038340.D (-1031) (-)

Ion 68.00 (67.70 to 68.70): VU038340.D (-1031) (-)

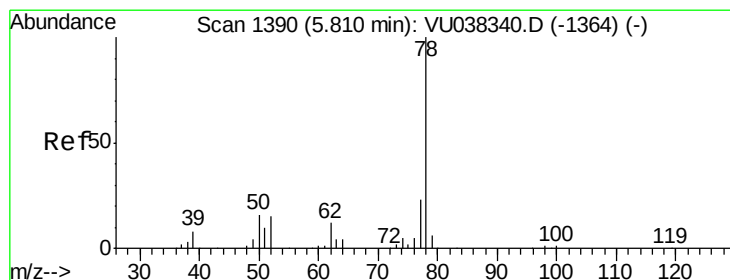
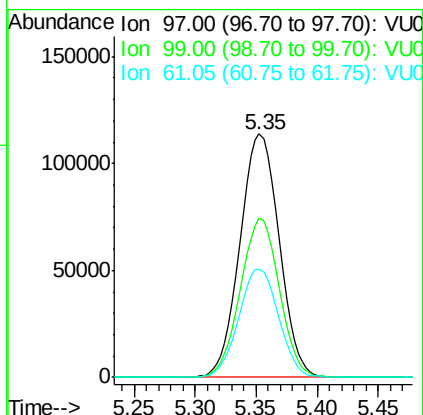
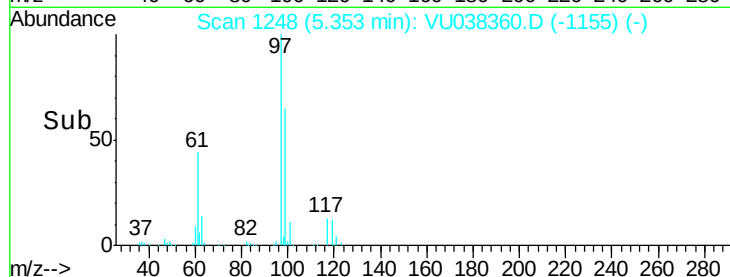
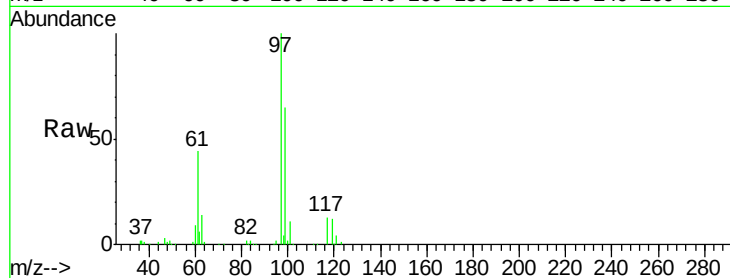




#30
 1,1,1-Trichloroethane
 Concen: 39.25 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038360.D
 Acq: 28 May 2020 20:41

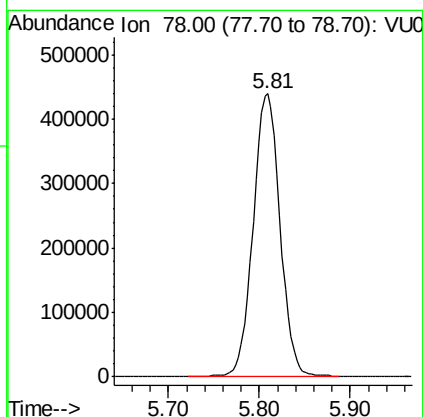
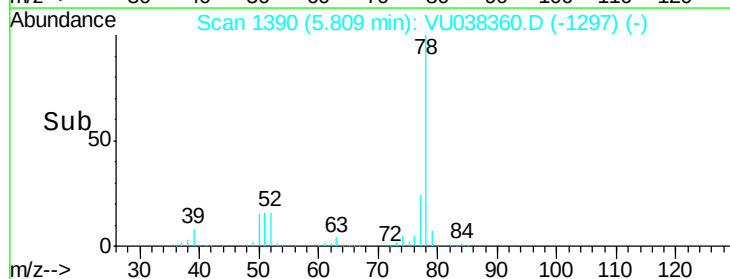
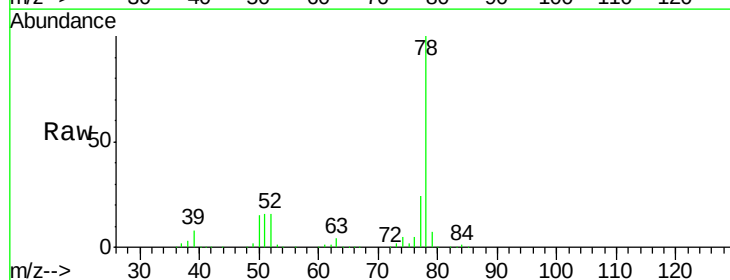
Instrument :
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 ETKW8MSD

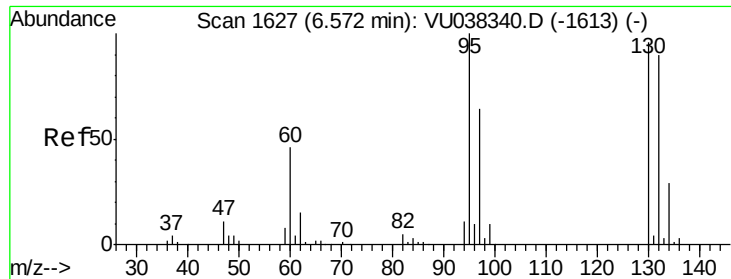
Tgt Ion: 97 Resp: 253368
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.2 76.8
 61 45.3 35.9 53.9



#33
 Benzene
 Concen: 54.13 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU038360.D
 Acq: 28 May 2020 20:41

Tgt Ion: 78 Resp: 902509

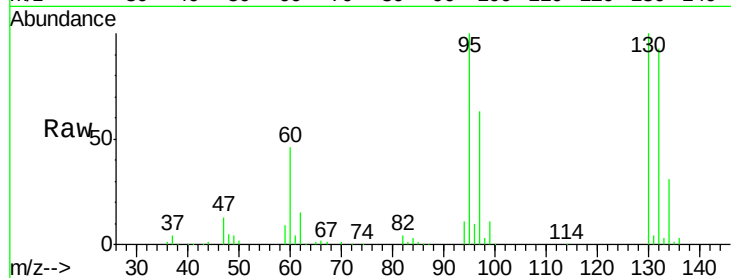




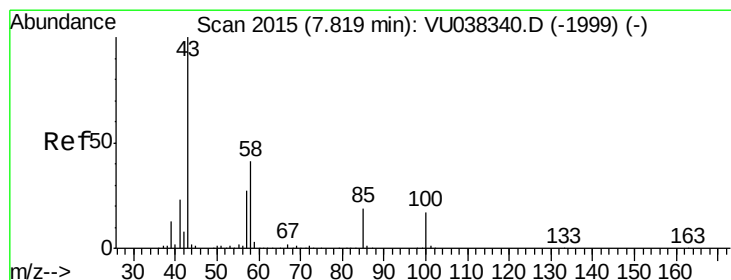
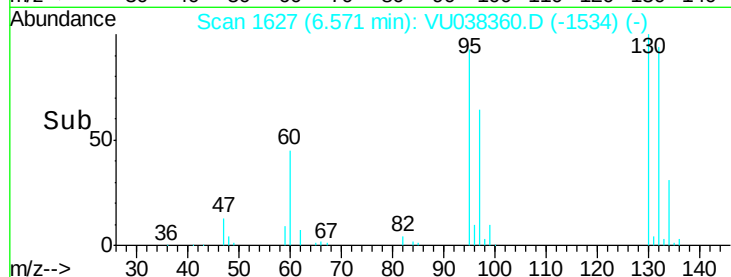
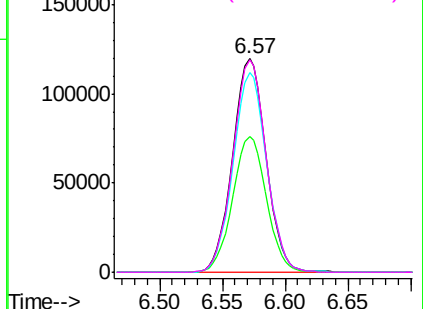
#34
 Trichloroethene
 Concen: 52.00 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038360.D
 Acq: 28 May 2020 20:41

Instrument :
 MSVOA_U
 ClientSampleId :
 ETKW8MSD

Tgt Ion: 95 Resp: 221828
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.3 82.3
 132 93.3 64.7 120.1
 130 99.6 68.5 127.1

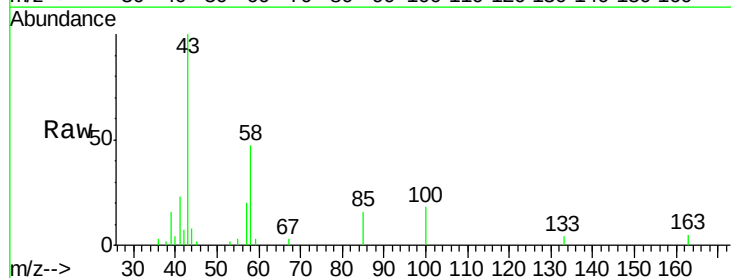


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

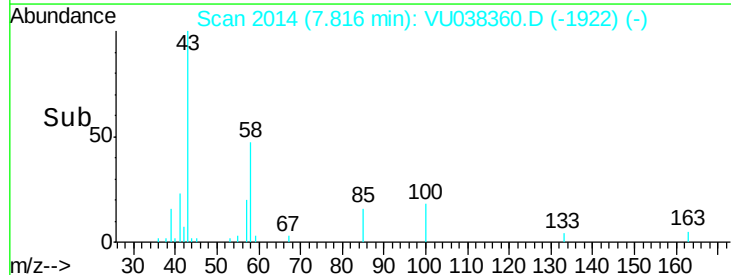
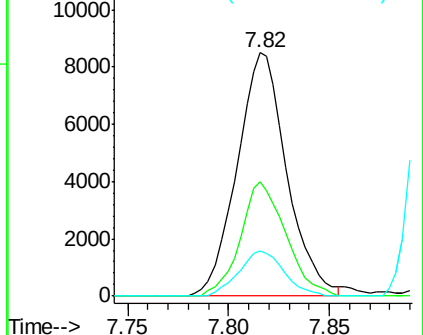


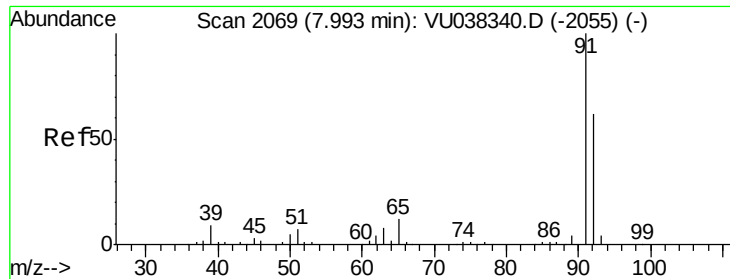
#40
 4-Methyl-2-pentanone
 Concen: 2.13 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038360.D
 Acq: 28 May 2020 20:41

Tgt Ion: 43 Resp: 14632
 Ion Ratio Lower Upper
 43 100
 58 42.8 32.6 48.8
 100 16.9 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU





#42

Toluene

Concen: 77.87 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038360.D

Acq: 28 May 2020 20:41

Instrument :

MSVOA_U

ClientSampleId :

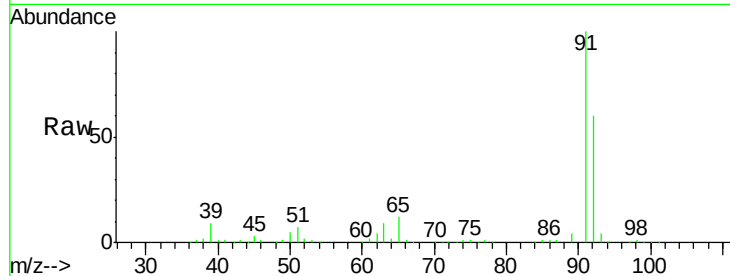
ETKW8MSD

Tgt Ion: 91 Resp: 1362915

Ion Ratio Lower Upper

91 100

92 59.7 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VU038340.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU038340.D (-2055) (-)

7.99

800000

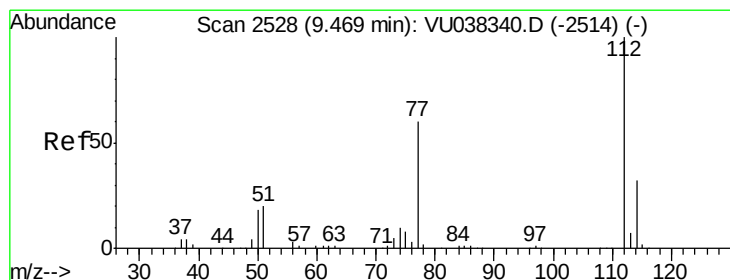
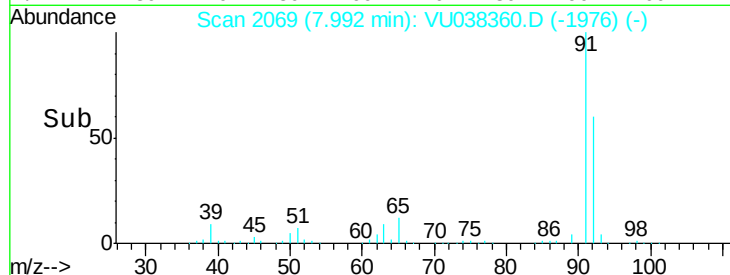
600000

400000

200000

0

Time-->



#51

Chlorobenzene

Concen: 52.23 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038360.D

Acq: 28 May 2020 20:41

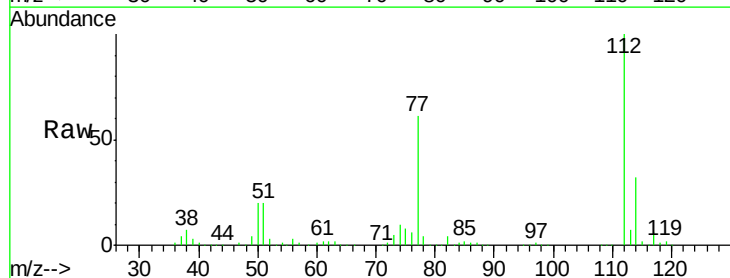
Tgt Ion: 112 Resp: 587572

Ion Ratio Lower Upper

112 100

114 32.0 22.6 42.0

77 60.8 48.8 73.2



Abundance Ion 112.00 (111.70 to 112.70): VU038340.D (-2514) (-)

Ion 114.00 (113.70 to 114.70): VU038340.D (-2514) (-)

Ion 77.00 (76.70 to 77.70): VU038340.D (-2514) (-)

9.47

400000

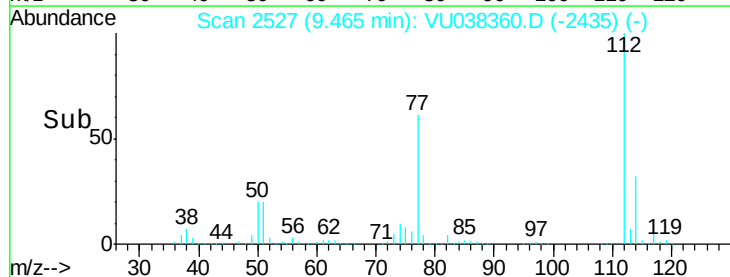
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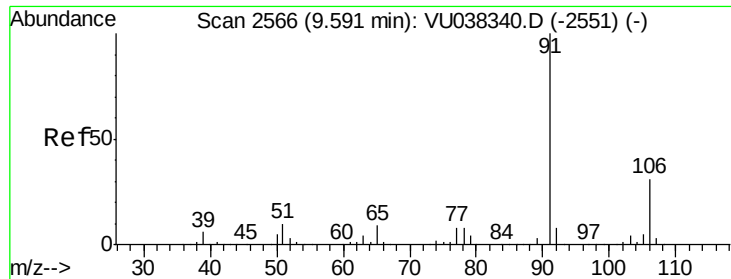
200000

100000

0

Time-->





#52

Ethylbenzene

Concen: 4.14 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038360.D

Acq: 28 May 2020 20:41

Instrument :

MSVOA_U

ClientSampleId :

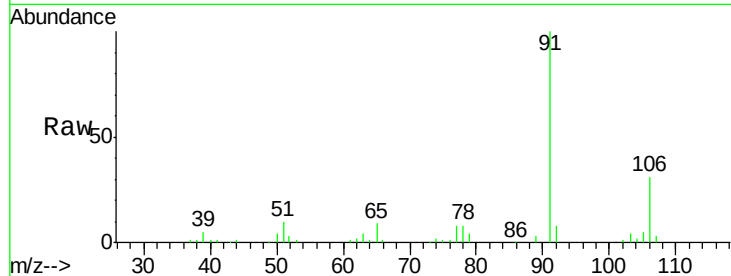
ETKW8MSD

Tgt Ion: 91 Resp: 81248

Ion Ratio Lower Upper

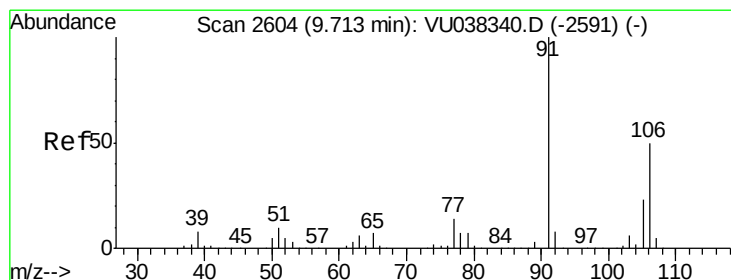
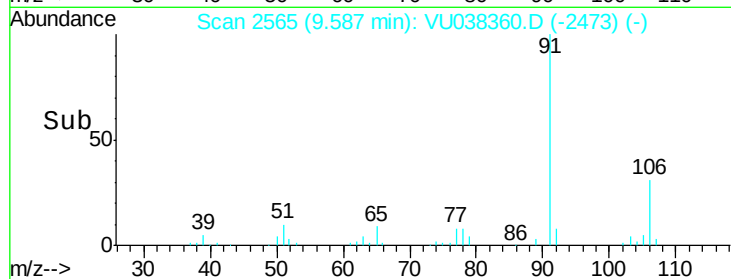
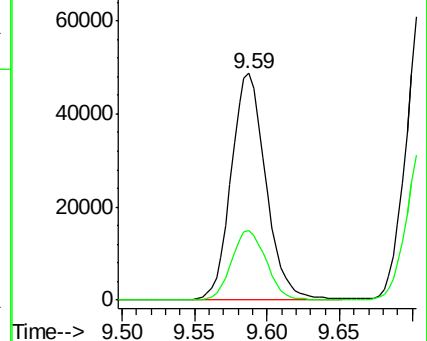
91 100

106 30.6 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VU038340.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU038340.D (-2551) (-)



#53

m,p-Xylene

Concen: 8.30 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038360.D

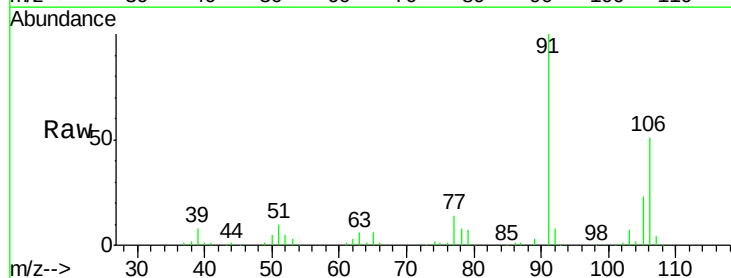
Acq: 28 May 2020 20:41

Tgt Ion: 106 Resp: 62274

Ion Ratio Lower Upper

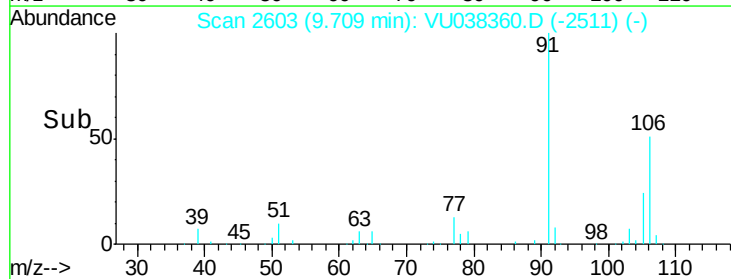
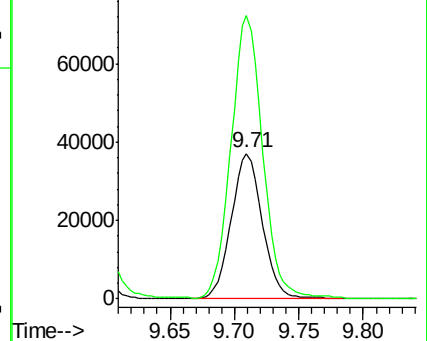
106 100

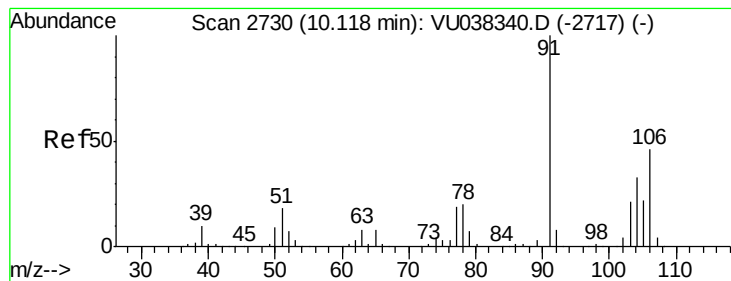
91 195.0 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): VU038340.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VU038340.D (-2591) (-)





#54
 o-xylene
 Concen: 3.16 ug/L
 RT: 10.12 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VU038360.D
 Acq: 28 May 2020 20:41

Instrument :
 MSVOA_U
 ClientSampleId :
 ETKW8MSD

Tgt Ion:106 Resp: 23032
 Ion Ratio Lower Upper
 106 100
 91 208.5 151.3 280.9

