

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\
 Data File : VU038732.D
 Acq On : 09 Jun 2020 19:08
 Operator : SY/MD
 Sample : L2897-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW0K9MSD

Quant Time: Jun 10 05:26:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 05:09:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	516561	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	508687	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	242863	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	147148	50.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.98%
7) Chloroethane-d5	1.93	69	124000	55.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.76%
11) 1,1-Dichloroethene-d2	2.59	63	308029	48.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.94%
21) 2-Butanone-d5	4.66	46	308816	109.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.99%
24) Chloroform-d	5.10	84	322159	51.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.54%
26) 1,2-Dichloroethane-d4	5.74	65	220190	53.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.78%
32) Benzene-d6	5.76	84	653111	53.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.72	67	201810	53.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.88%
41) Toluene-d8	7.92	98	561888	50.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.48%
43) trans-1,3-Dichloropropene-	8.20	79	97368	51.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.42%
47) 2-Hexanone-d5	8.65	63	230349	114.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.59%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	293008	52.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.04%
64) 1,2-Dichlorobenzene-d4	12.20	152	234052	55.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.02%

Target Compounds

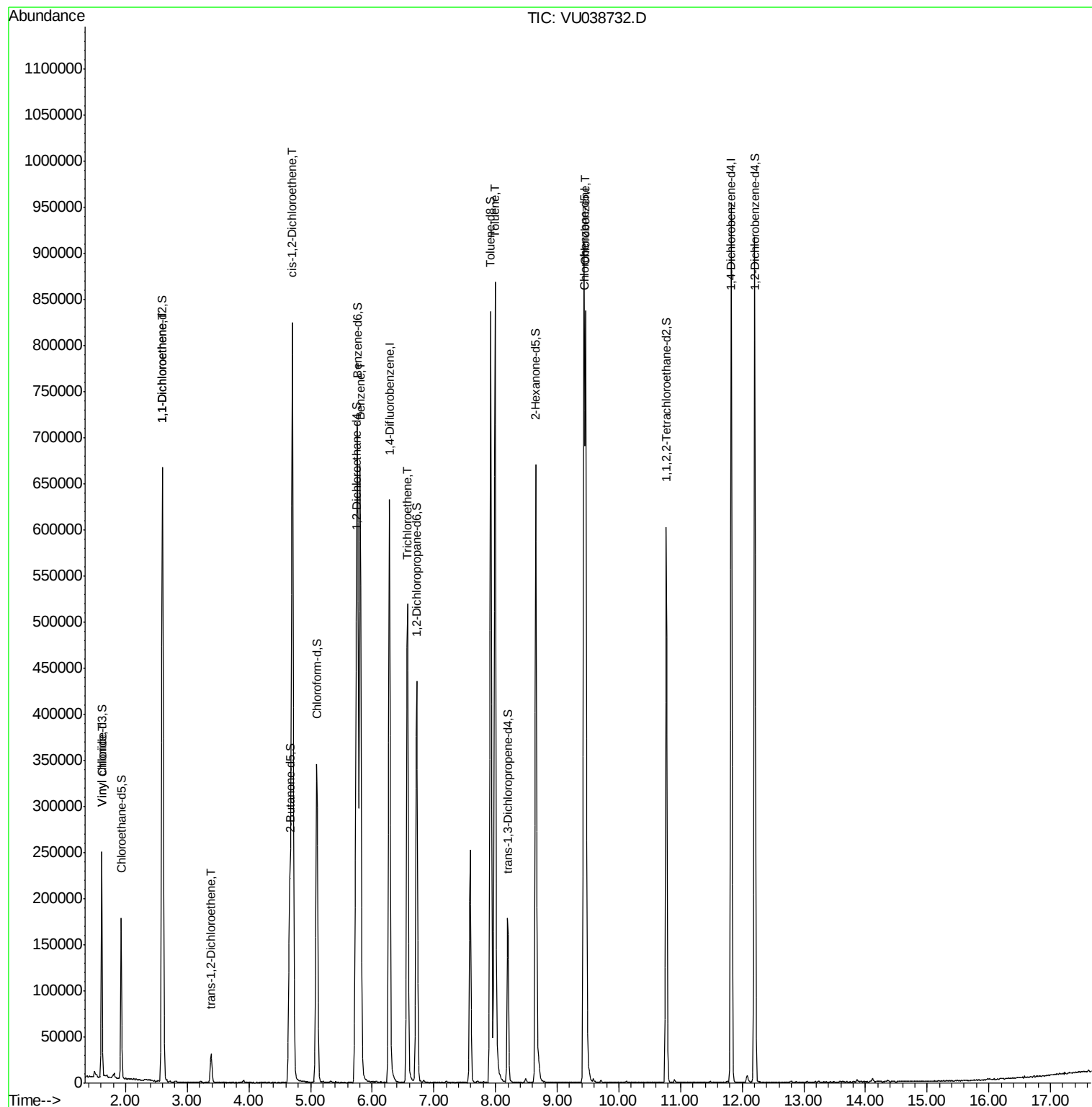
					Ovalue
5) Vinyl chloride	1.62	62	21660	5.241 ug/L	# 73
12) 1,1-Dichloroethene	2.61	96	134159	41.032 ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	12910	3.608 ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	424186	107.250 ug/L	98
33) Benzene	5.81	78	633910	41.965 ug/L	100
34) Trichloroethene	6.57	95	175803	45.760 ug/L	98
42) Toluene	7.99	91	663518	42.009 ug/L	99
51) Chlorobenzene	9.47	112	424638	41.849 ug/L	100

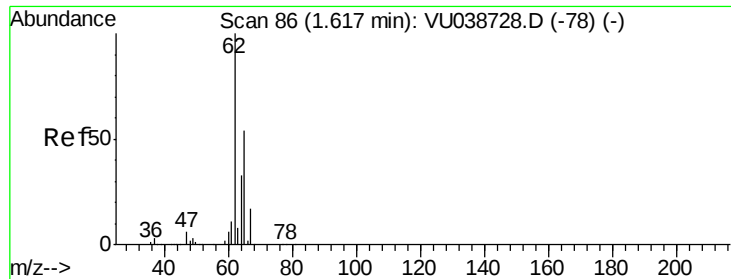
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 10 05:09:22 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.241 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

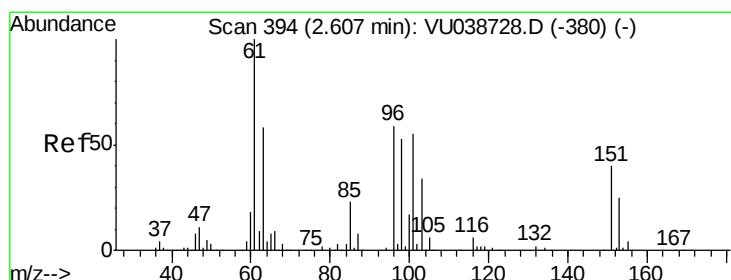
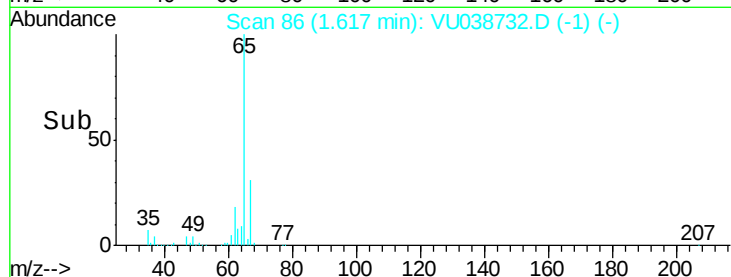
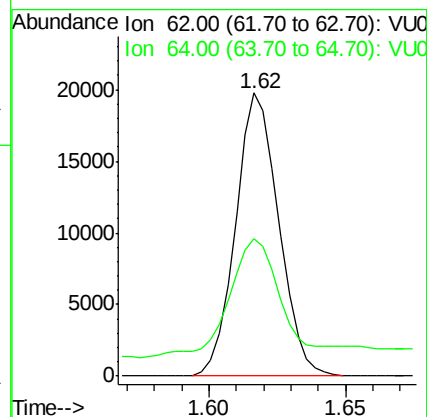
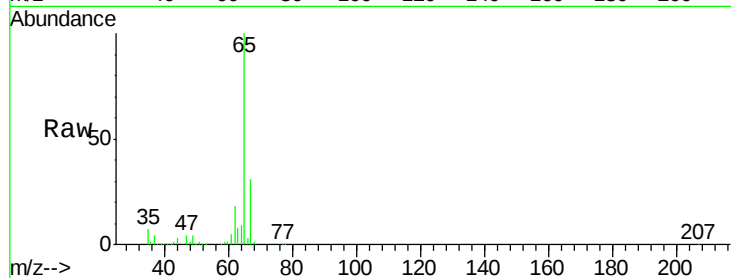
EW0K9MSD

Tot Ion: 62 Resp: 21660

Ion Ratio Lower Upper

62 100

64 48.4 23.0 42.8#



#12

1,1-Dichloroethene

Concen: 41.032 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

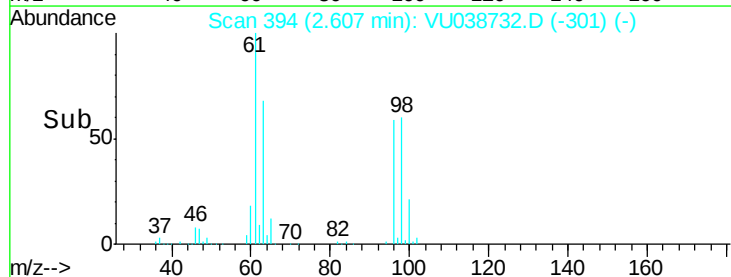
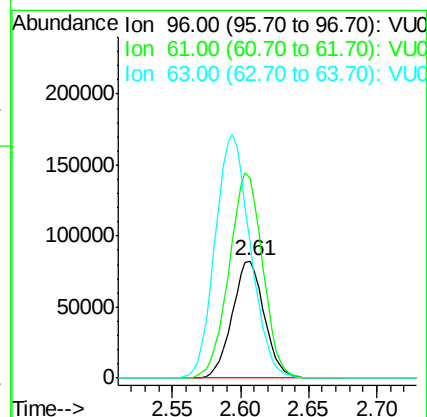
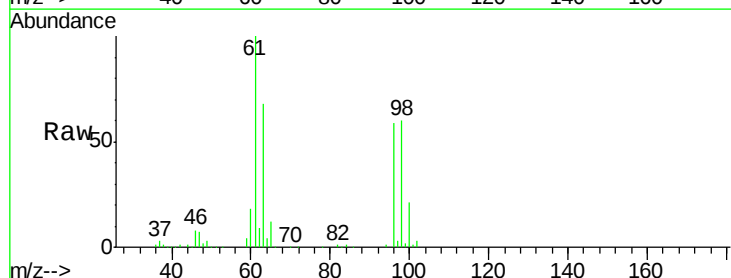
Tgt Ion: 96 Resp: 134159

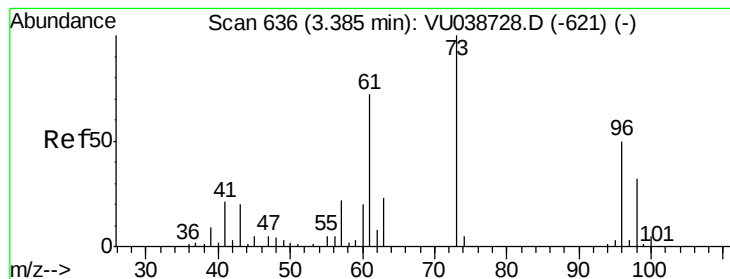
Ion Ratio Lower Upper

96 100

61 170.9 120.0 223.0

63 116.3 75.8 140.8





#17

trans-1,2-Dichloroethene

Concen: 3.608 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

EW0K9MSD

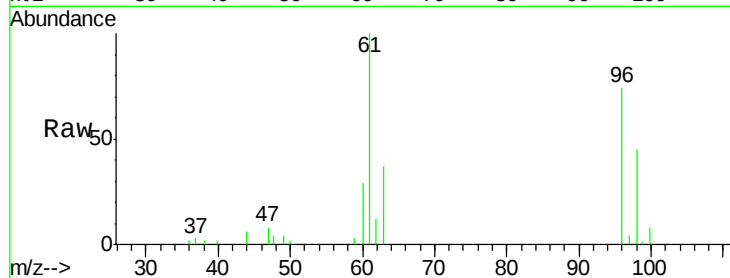
Tot Ion: 96 Resp: 12910

Ion Ratio Lower Upper

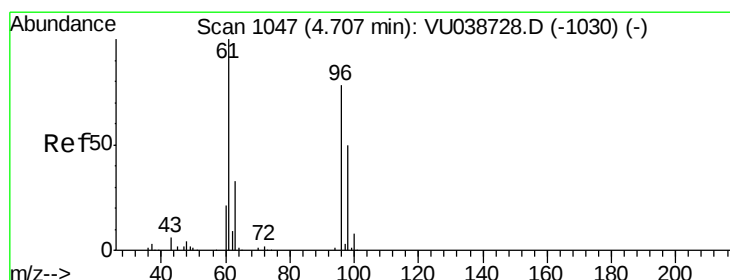
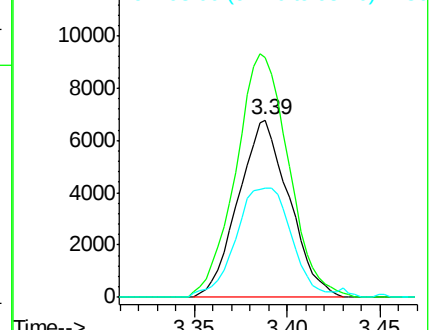
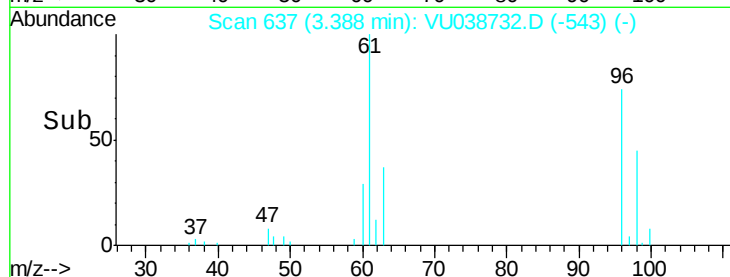
96 100

61 135.5 98.2 182.4

98 61.4 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU038732.D (-543) (-)



#20

cis-1,2-Dichloroethene

Concen: 107.250 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

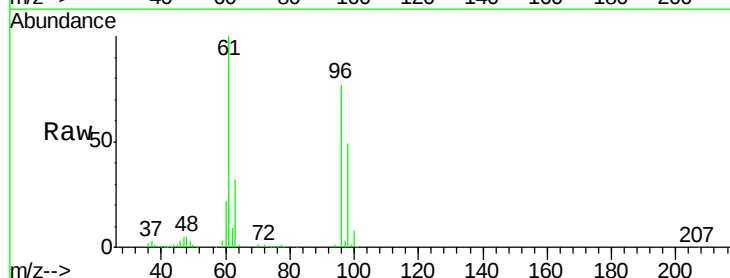
Tgt Ion: 96 Resp: 424186

Ion Ratio Lower Upper

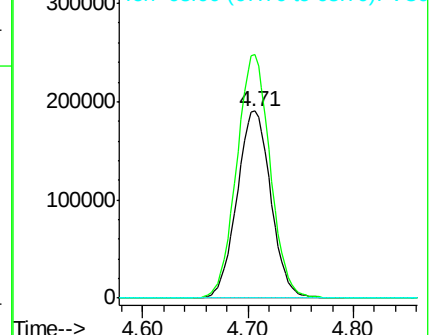
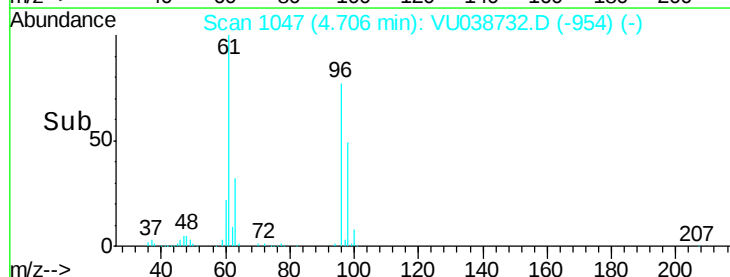
96 100

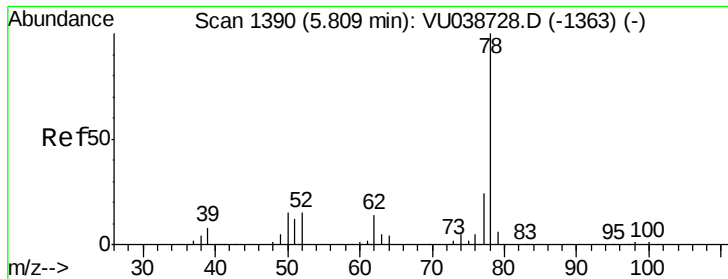
61 130.1 89.5 166.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038732.D (-954) (-)





#33

Benzene

Concen: 41.965 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

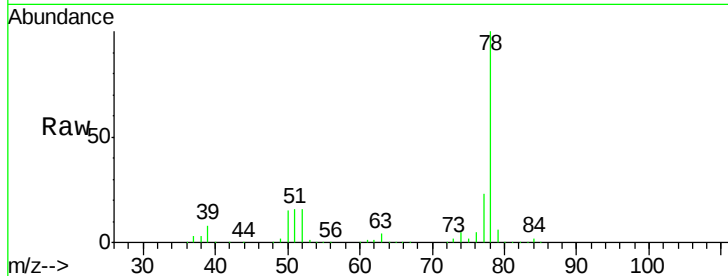
Instrument :

MSVOA_U

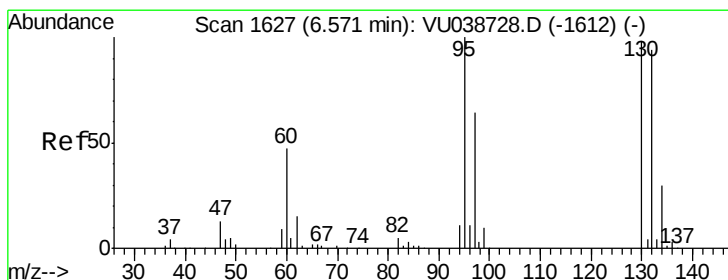
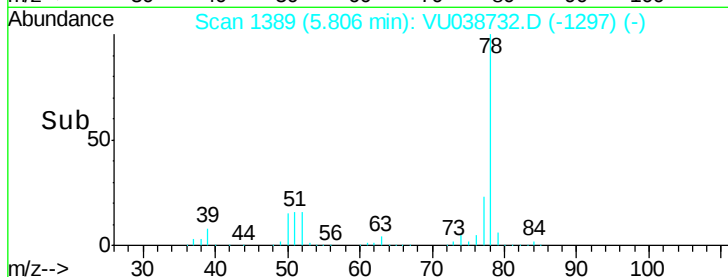
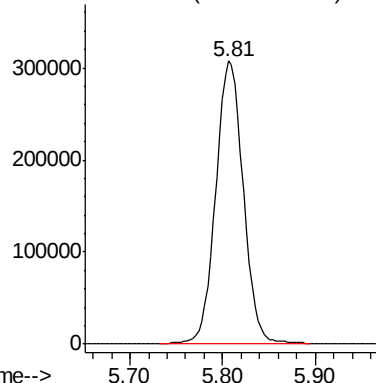
ClientSampleId :

EW0K9MSD

Tgt Ion: 78 Resp: 633910



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 45.760 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

Tgt Ion: 95 Resp: 175803

Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.4	82.4
132	95.1	64.9	120.5
130	98.4	68.6	127.4

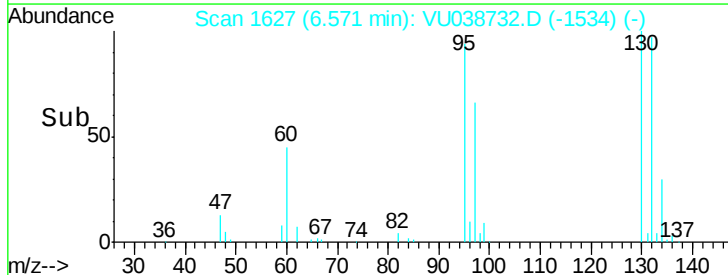
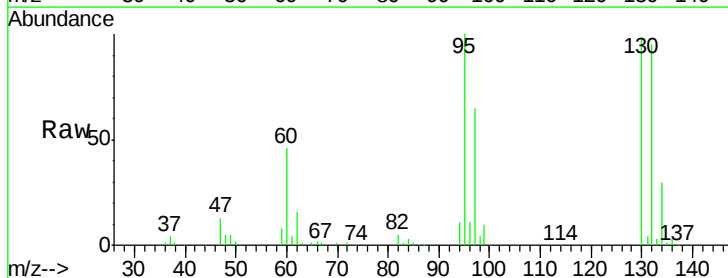
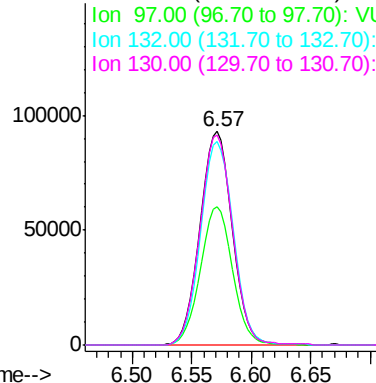
Ion 95.00 (94.70 to 95.70): VU0

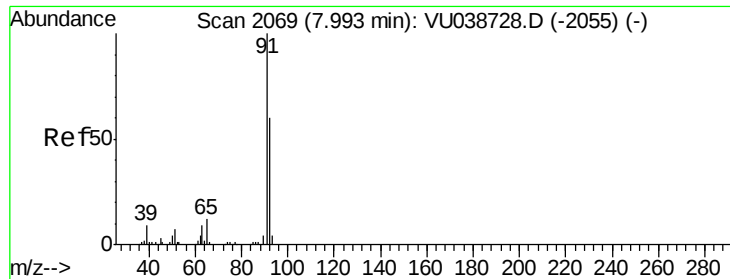
Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0





#42

Toluene

Concen: 42.009 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

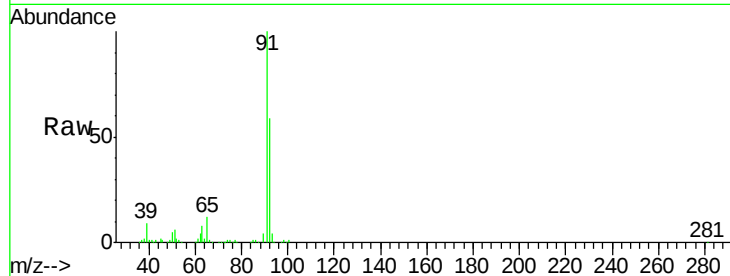
EW0K9MSD

Tot Ion: 91 Resp: 663518

Ion Ratio Lower Upper

91 100

92 59.3 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038732.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU038732.D (-1976) (-)

7.99

400000

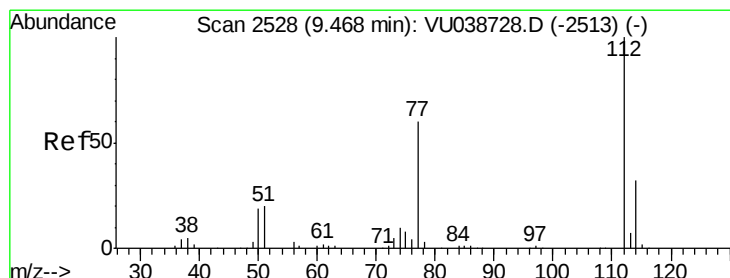
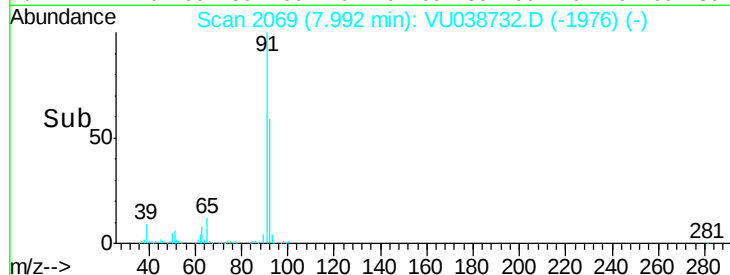
300000

200000

100000

0

Time-->



#51

Chlorobenzene

Concen: 41.849 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

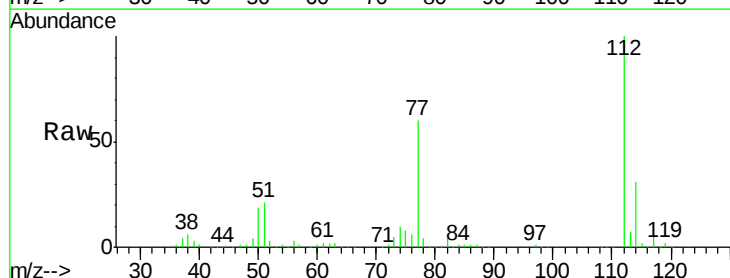
Tgt Ion: 112 Resp: 424638

Ion Ratio Lower Upper

112 100

114 31.2 22.2 41.2

77 59.9 47.9 71.9



Abundance Ion 112.00 (111.70 to 112.70): VU038732.D (-2435) (-)

Ion 114.00 (113.70 to 114.70): VU038732.D (-2435) (-)

Ion 77.00 (76.70 to 77.70): VU038732.D (-2435) (-)

9.47

300000

200000

100000

0

Time-->

