

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041178.D
 Acq On : 10 Nov 2020 15:09
 Operator : SY/MD
 Sample : L4673-15MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3MSD

Quant Time: Nov 11 01:57:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 11 00:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	55741	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57040	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25606	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14138	3.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.40%
7) Chloroethane-d5	1.92	69	13949	3.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.60%
11) 1,1-Dichloroethene-d2	2.58	63	35397	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	4.65	46	83944	54.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.86%
24) Chloroform-d	5.08	84	39951	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.72	65	25794	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.74	84	66838	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.70	67	24336	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.90	98	55978	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.19	79	10046	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.64	63	65217	56.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23176	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	24995	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

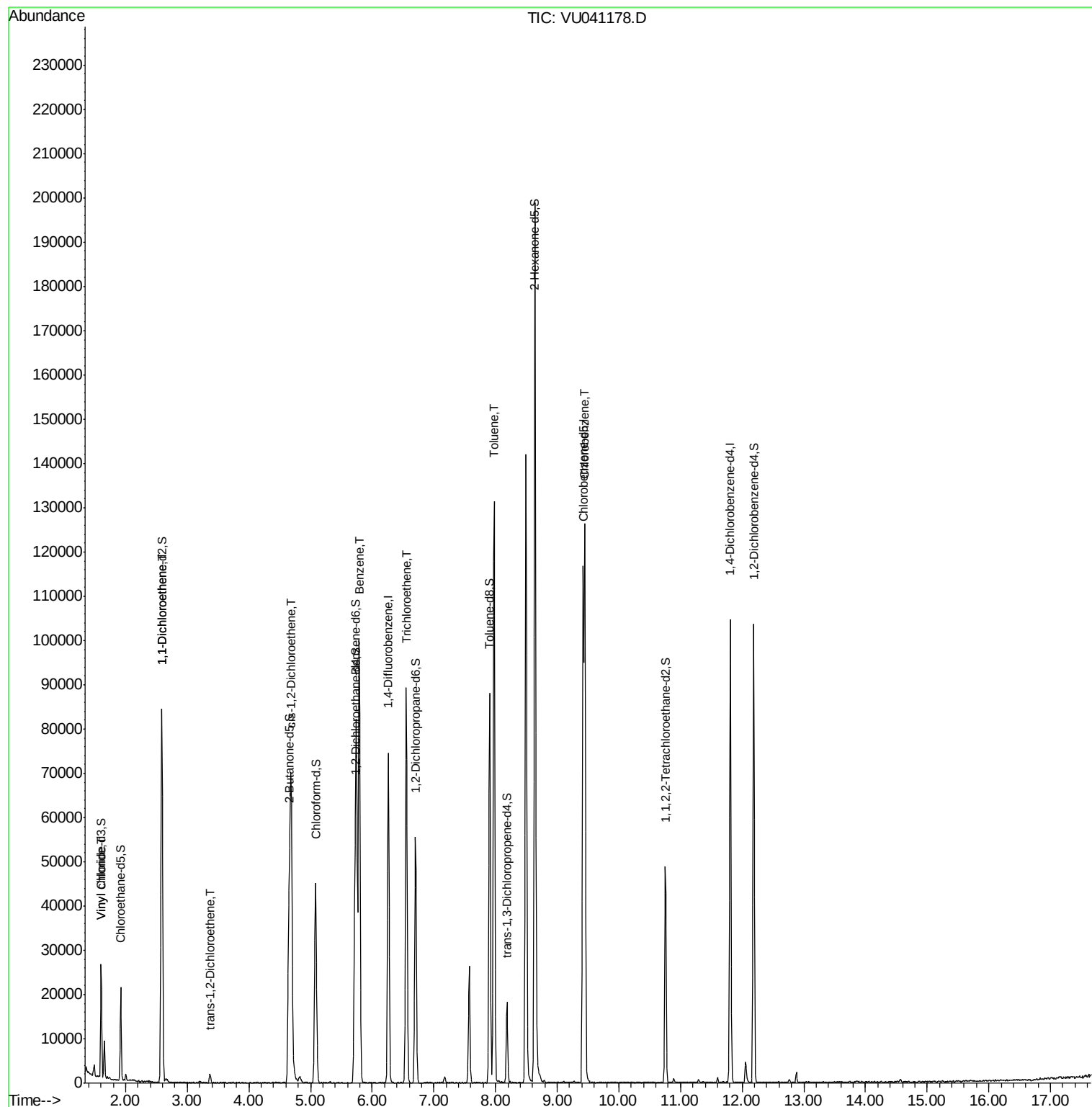
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2358	0.450	ug/L	84
12) 1,1-Dichloroethene	2.59	96	19492	4.951	ug/L	87
18) trans-1,2-Dichloroethene	3.37	96	967	0.242	ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	25407	6.156	ug/L	92
33) Benzene	5.79	78	88509	5.193	ug/L	100
34) Trichloroethene	6.55	95	29425	6.784	ug/L	99
42) Toluene	7.98	91	89036	5.152	ug/L	99
51) Chlorobenzene	9.45	112	60721	5.541	ug/L	98

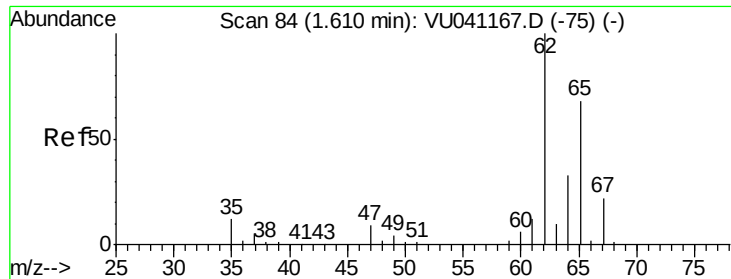
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 11 00:43:53 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.450 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041178.D

Acq: 10 Nov 2020 15:09

Instrument :

MSVOA_U

ClientSampled :

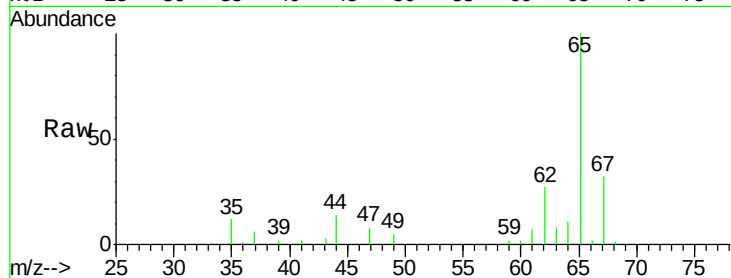
GB0T3MSD

Tot Ion: 62 Resp: 2358

Ion Ratio Lower Upper

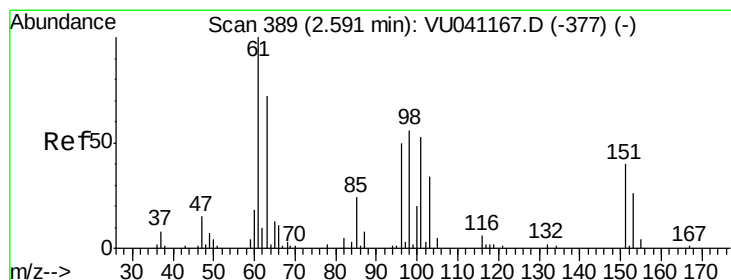
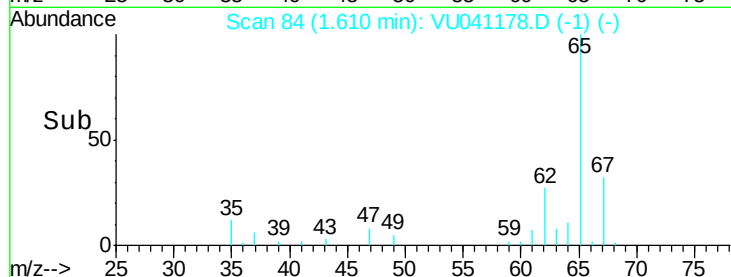
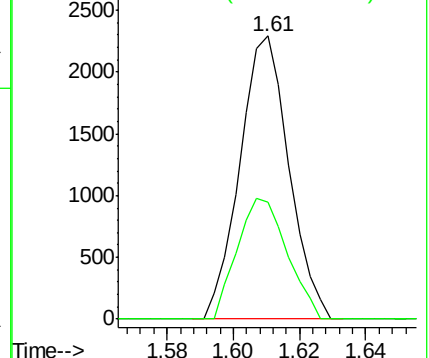
62 100

64 41.3 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 4.951 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041178.D

Acq: 10 Nov 2020 15:09

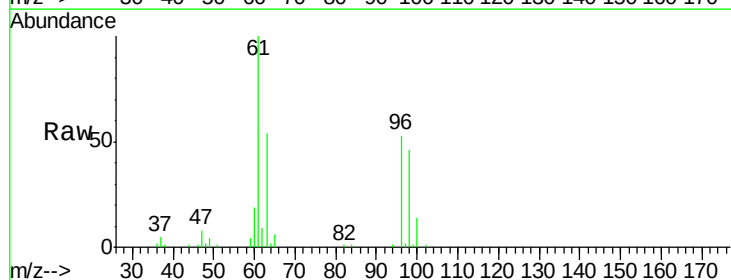
Tgt Ion: 96 Resp: 19492

Ion Ratio Lower Upper

96 100

61 188.3 134.3 249.5

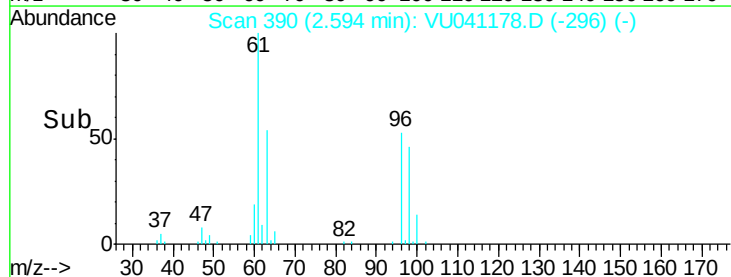
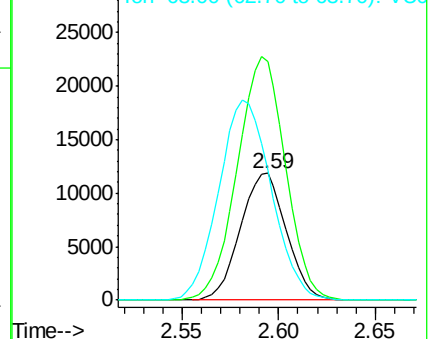
63 102.4 95.0 176.4

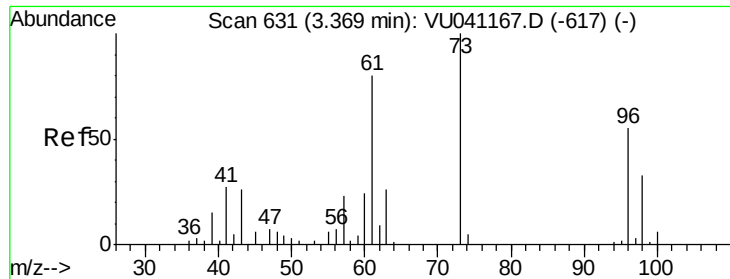


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

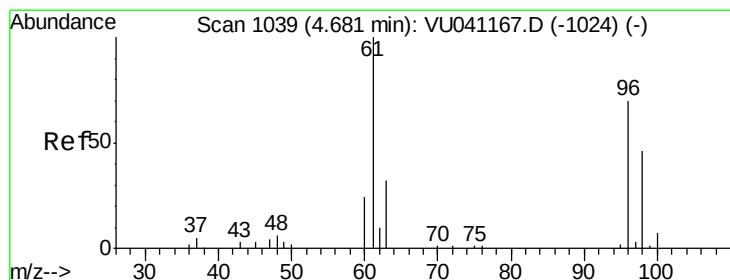
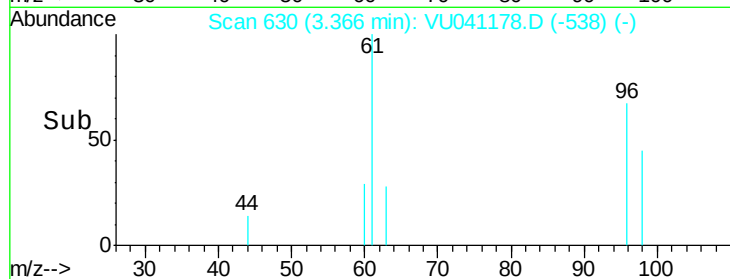
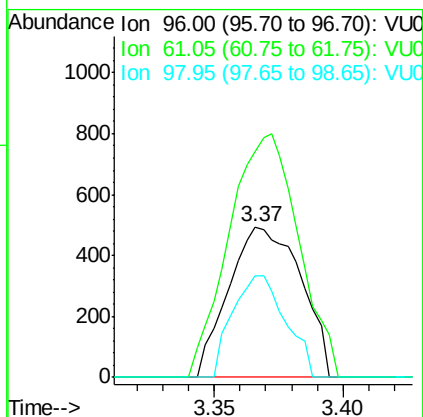
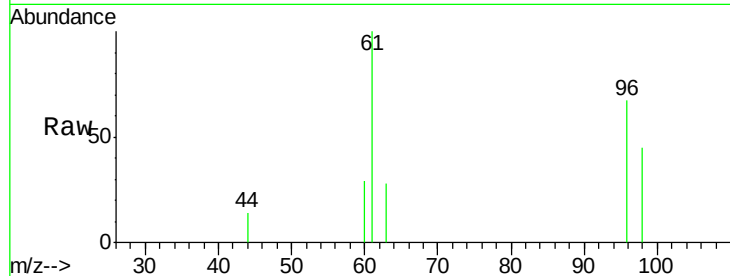




#18
 trans-1,2-Dichloroethene
 Concen: 0.242 ug/L
 RT: 3.37 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU041178.D
 Acq: 10 Nov 2020 15:09

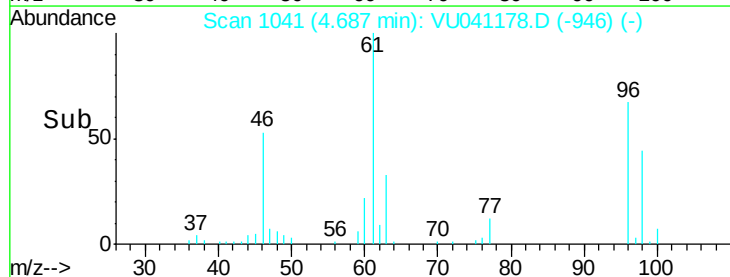
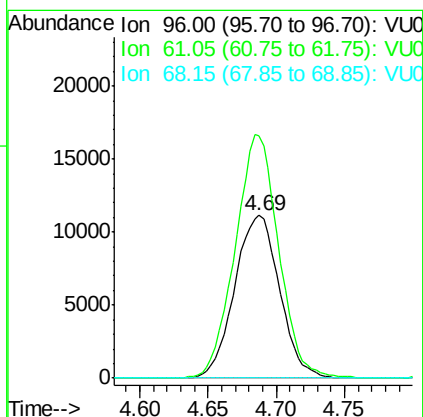
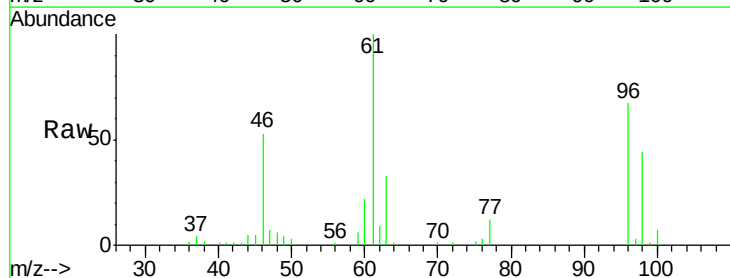
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3MSD

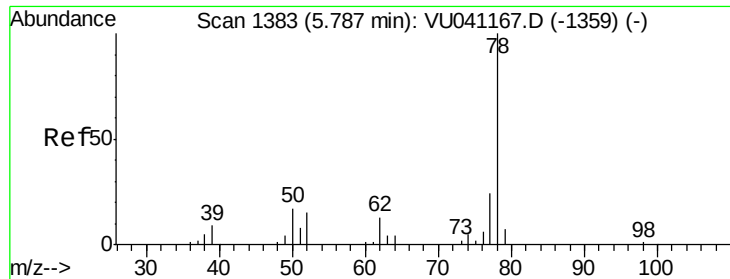
Tot Ion: 96 Resp: 967
 Ion Ratio Lower Upper
 96 100
 61 150.0 110.9 205.9
 98 67.2 45.4 84.2



#22
 cis-1,2-Dichloroethene
 Concen: 6.156 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: VU041178.D
 Acq: 10 Nov 2020 15:09

Tgt Ion: 96 Resp: 25407
 Ion Ratio Lower Upper
 96 100
 61 149.1 97.2 180.4
 68 0.0 0.0 0.0





#33

Benzene

Concen: 5.193 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU041178.D

Acq: 10 Nov 2020 15:09

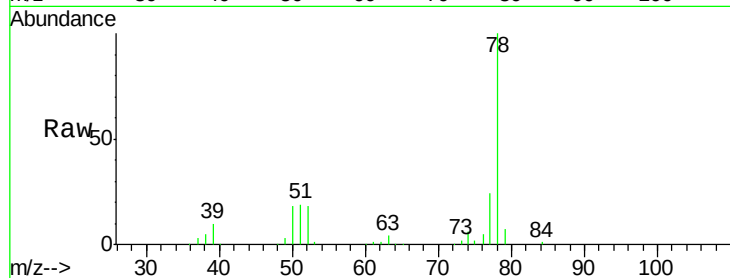
Instrument :

MSVOA_U

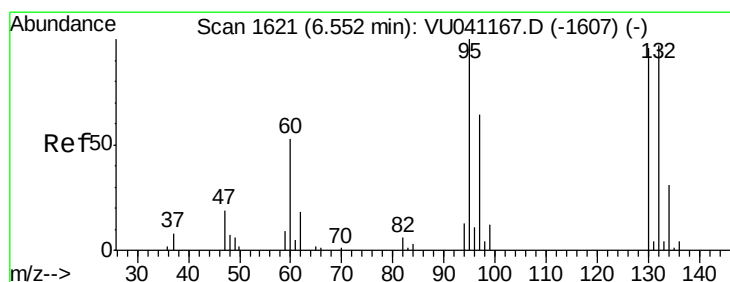
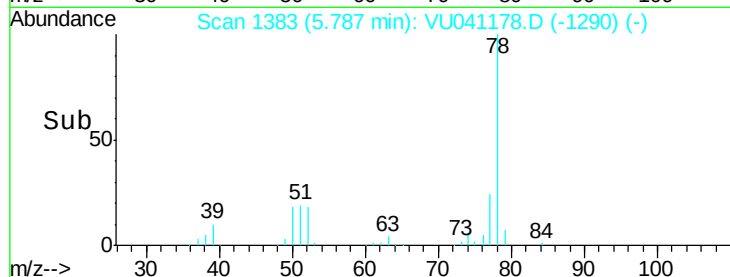
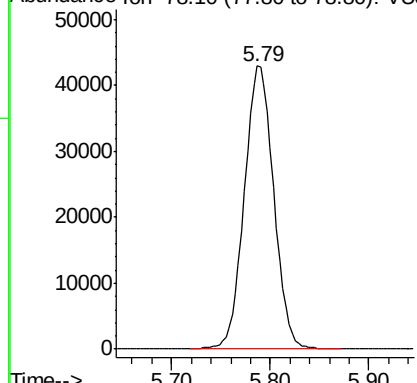
ClientSampleId :

GB0T3MSD

Tgt Ion: 78 Resp: 88509



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 6.784 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041178.D

Acq: 10 Nov 2020 15:09

Tgt Ion: 95 Resp: 29425

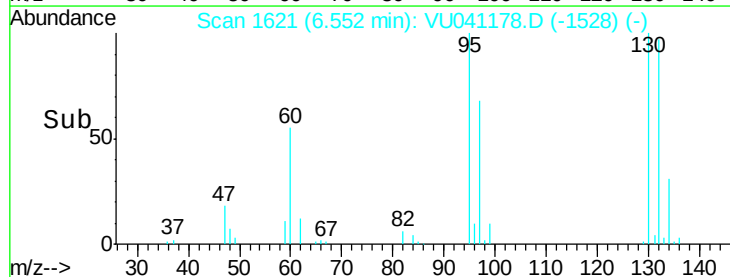
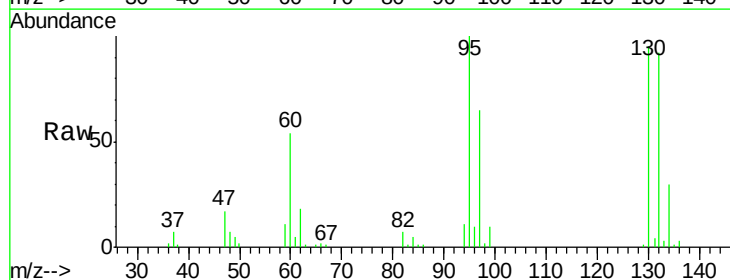
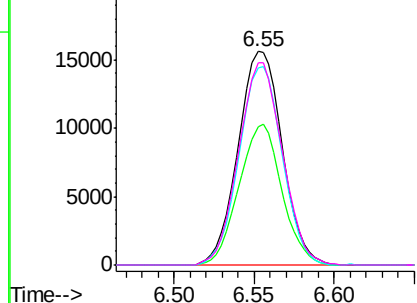
Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.6	84.6
132	92.3	64.8	120.4
130	95.0	64.8	120.4

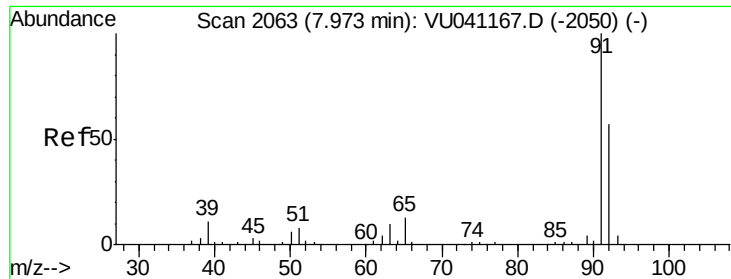
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.152 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041178.D

Acq: 10 Nov 2020 15:09

Instrument :

MSVOA_U

ClientSampleId :

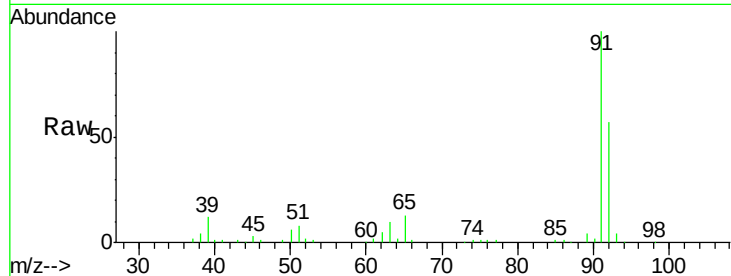
GB0T3MSD

Tot Ion: 91 Resp: 89036

Ion Ratio Lower Upper

91 100

92 57.2 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041178.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU041178.D (-1970) (-)

7.98

60000

50000

40000

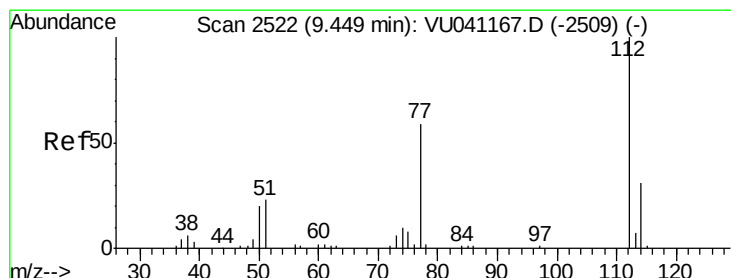
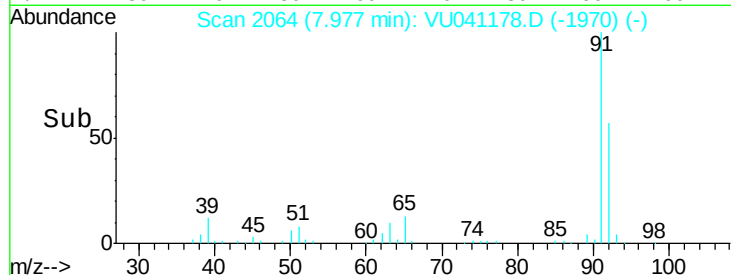
30000

20000

10000

0

Time-->



#51

Chlorobenzene

Concen: 5.541 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041178.D

Acq: 10 Nov 2020 15:09

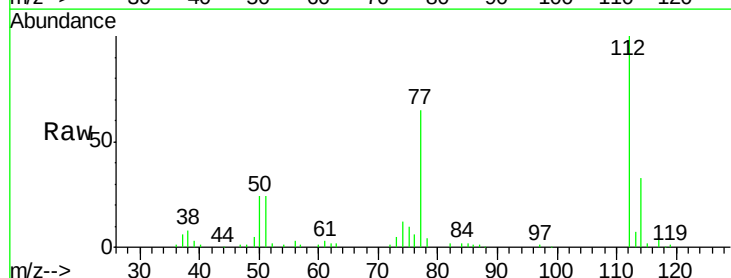
Tgt Ion: 112 Resp: 60721

Ion Ratio Lower Upper

112 100

114 33.4 22.4 41.6

77 65.1 51.2 76.8



Abundance Ion 112.10 (111.80 to 112.80): VU041178.D (-2429) (-)

Ion 114.05 (113.75 to 114.75): VU041178.D (-2429) (-)

Ion 77.10 (76.80 to 77.80): VU041178.D (-2429) (-)

9.45

50000

40000

30000

20000

10000

0

Time-->

